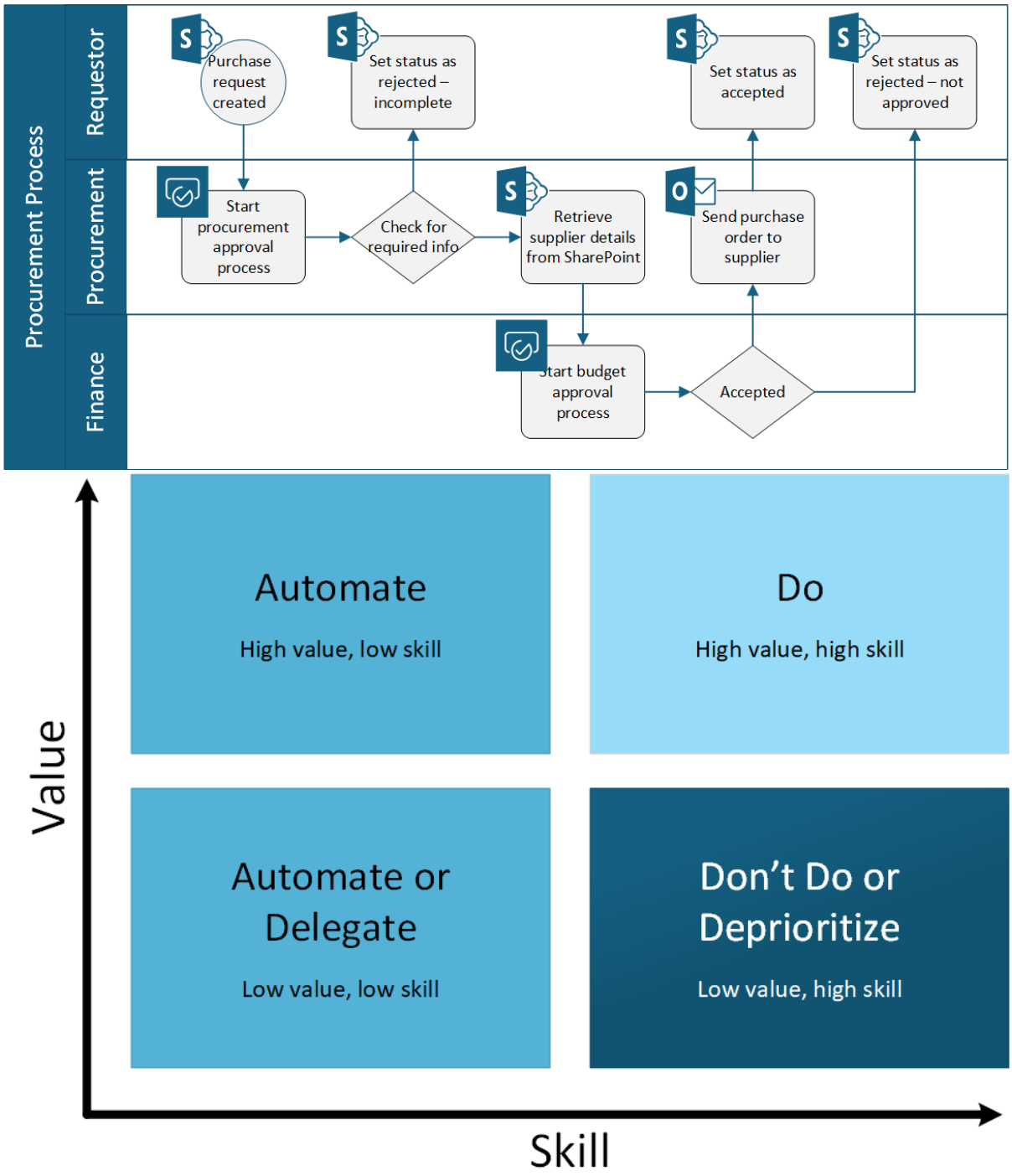
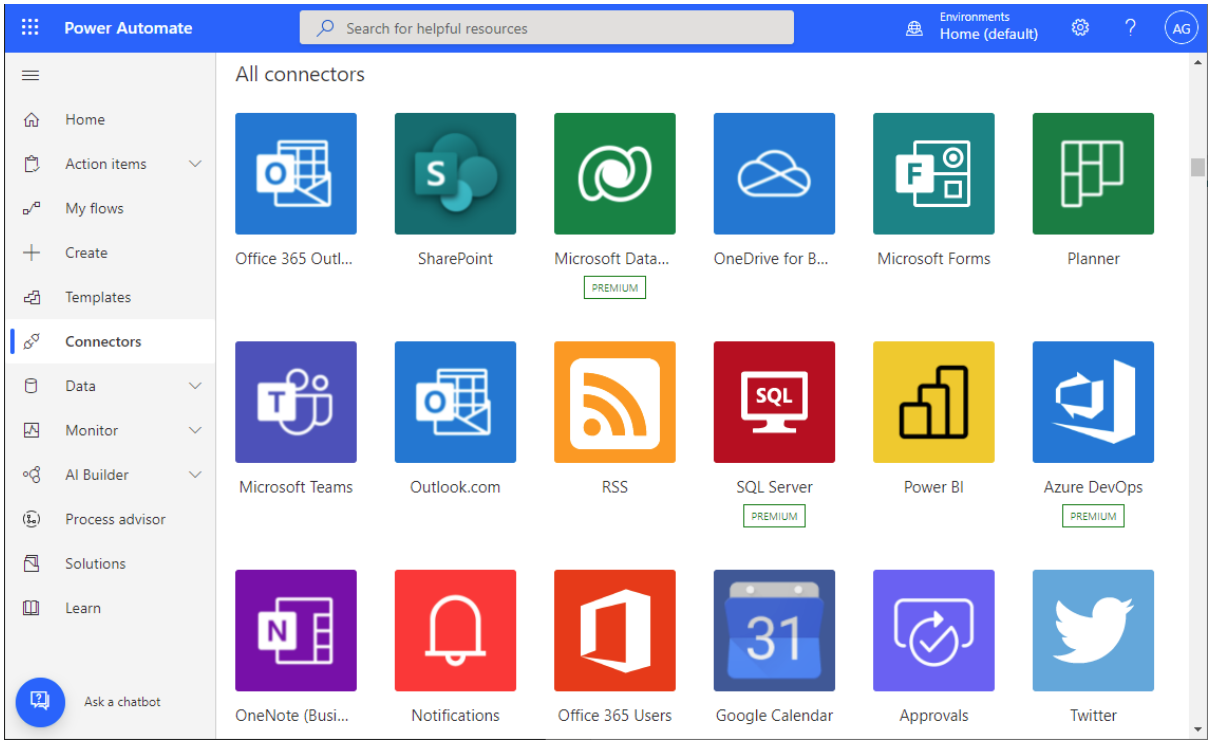
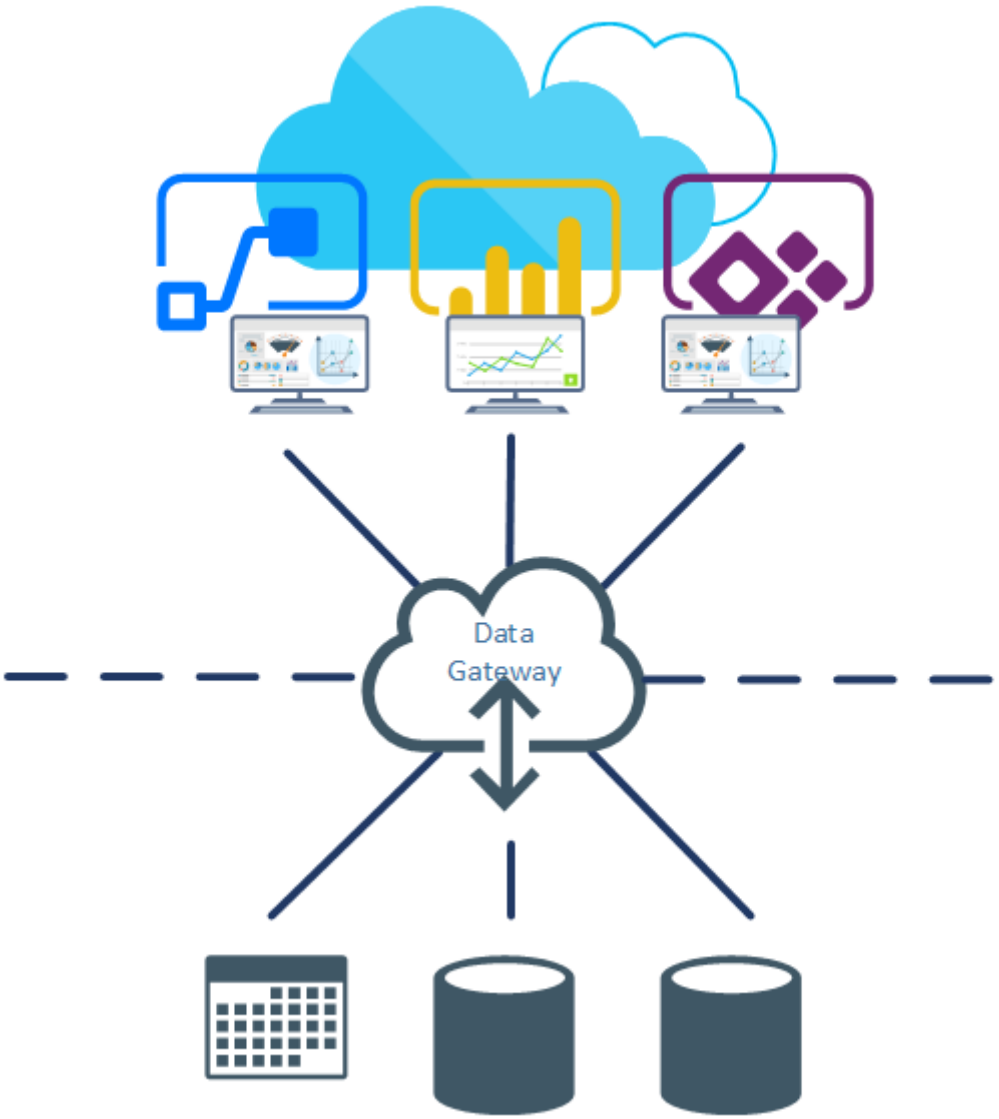
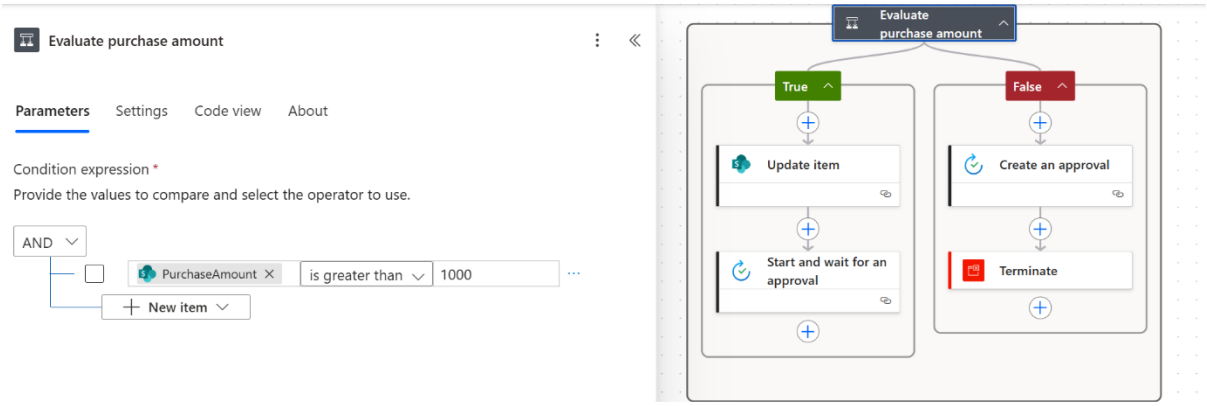
# Chapter 1: Introducing Microsoft Power Automate

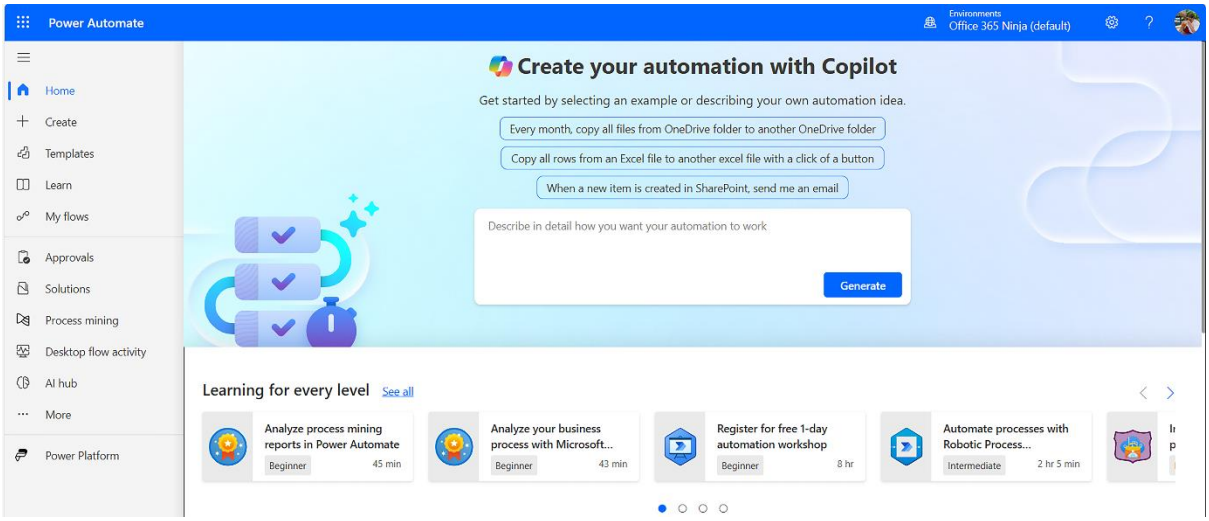


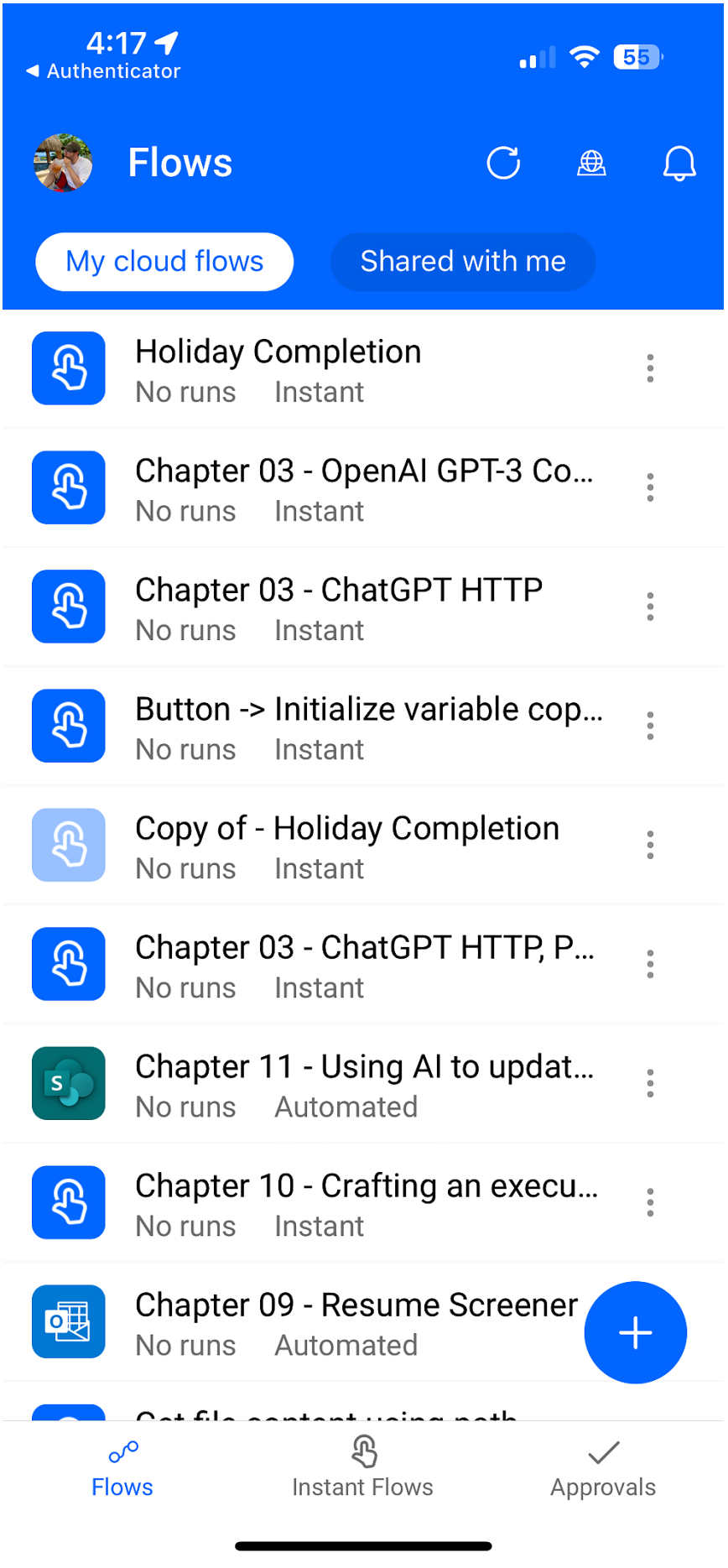

Power Automate
Search for helpful resources
Environments
Home (default)
AG
Home
Action items
My flows
Create
Templates
Connectors
Data
Monitor
AI Builder
Process advisor
Solutions
Learn
Ask a chatbot
All connectors
Office 365 Outl...
SharePoint
Microsoft Data...
PREMIUM
OneDrive for B...
Microsoft Forms
Planner
Microsoft Teams
Outlook.com
RSS
SQL Server
PREMIUM
Power BI
Azure DevOps
PREMIUM
OneNote (Busi...
Notifications
Office 365 Users
Google Calendar
Approvals
Twitter

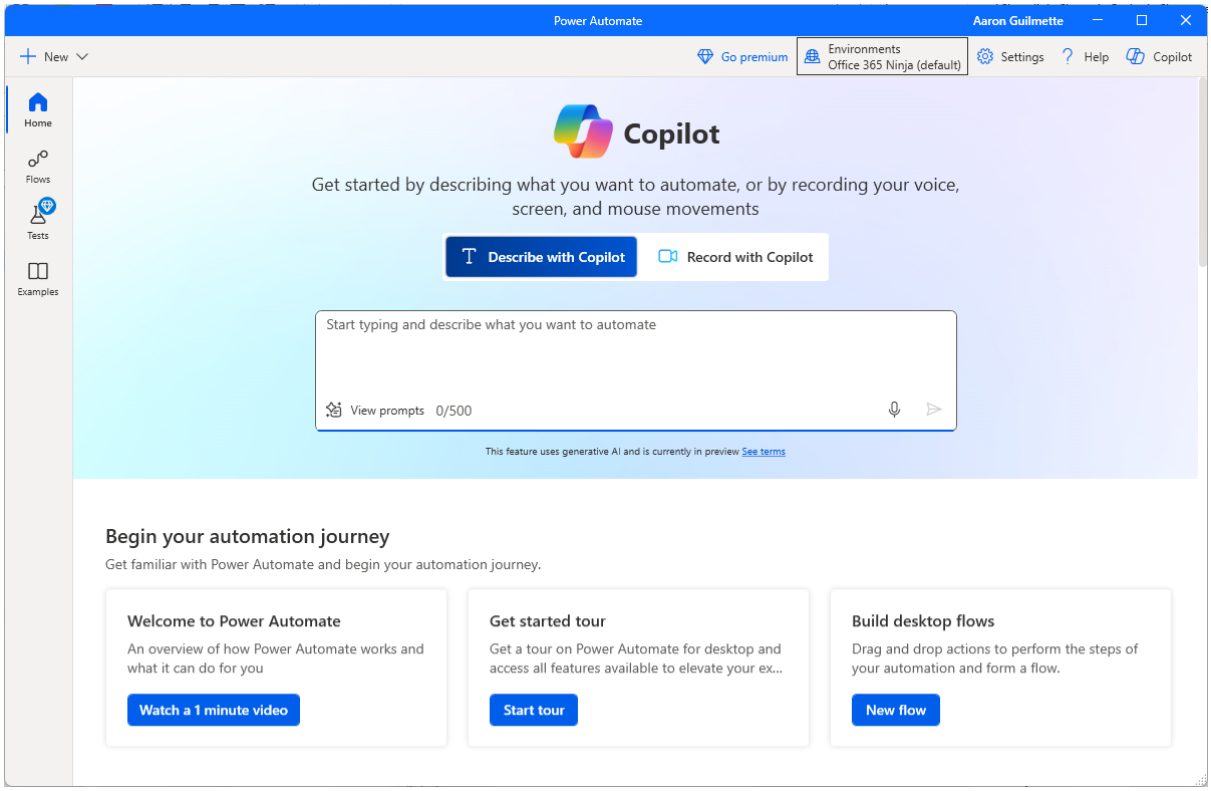

Data
Gateway

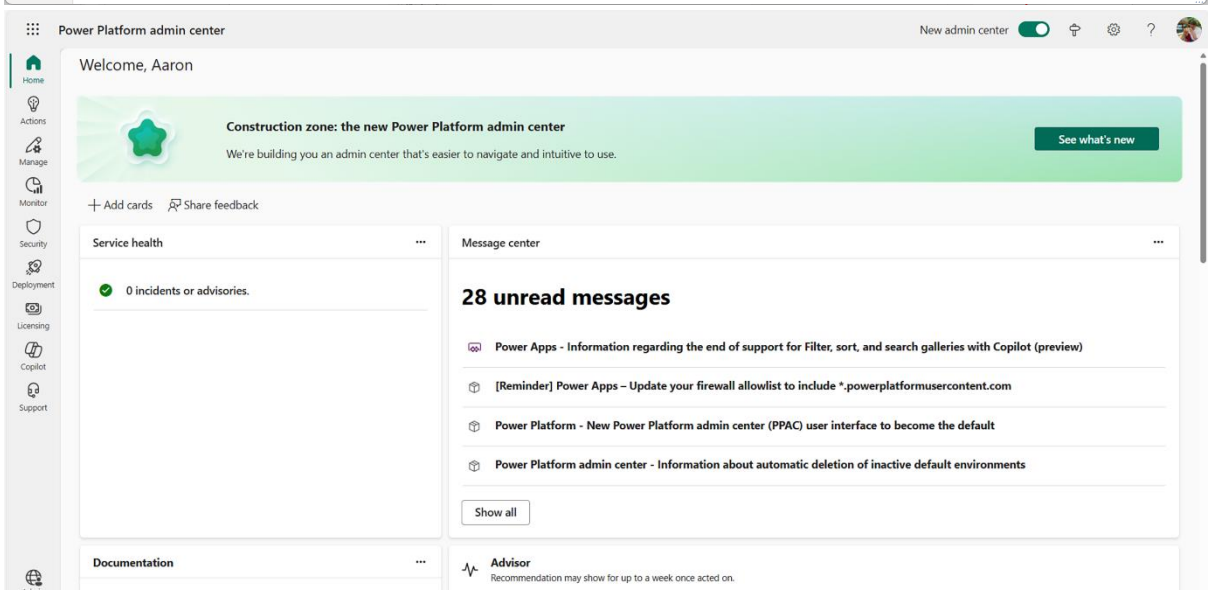

Evaluate purchase amount
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
PurchaseAmount
is greater than
1000
New item
Evaluate purchase amount
True
False
Update item
Start and wait for an approval
Create an approval
Terminate

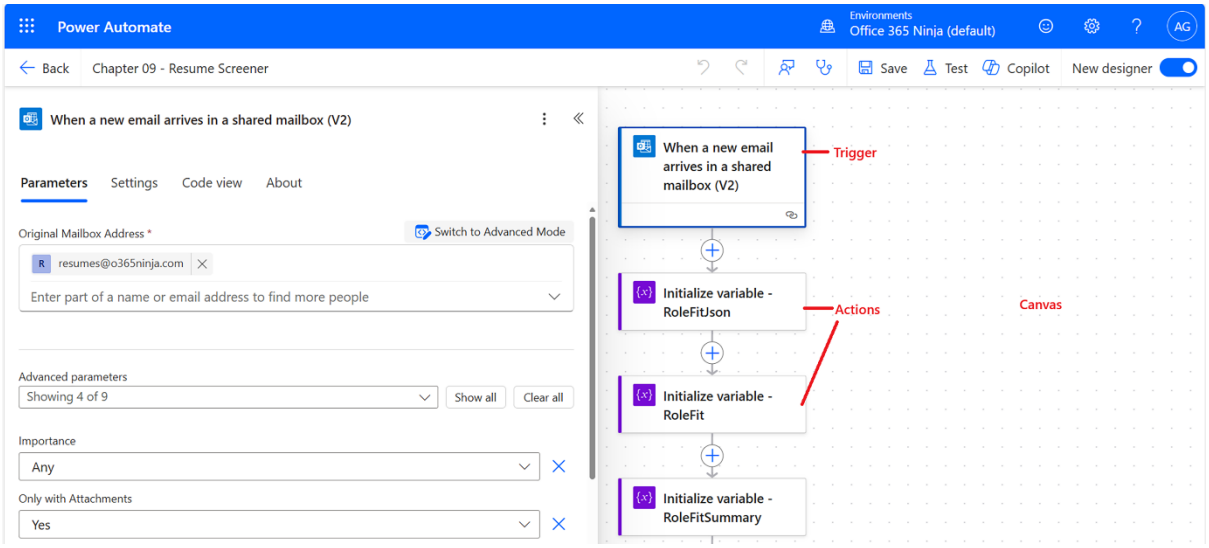
# Chapter 2: Getting Started with Power Automate

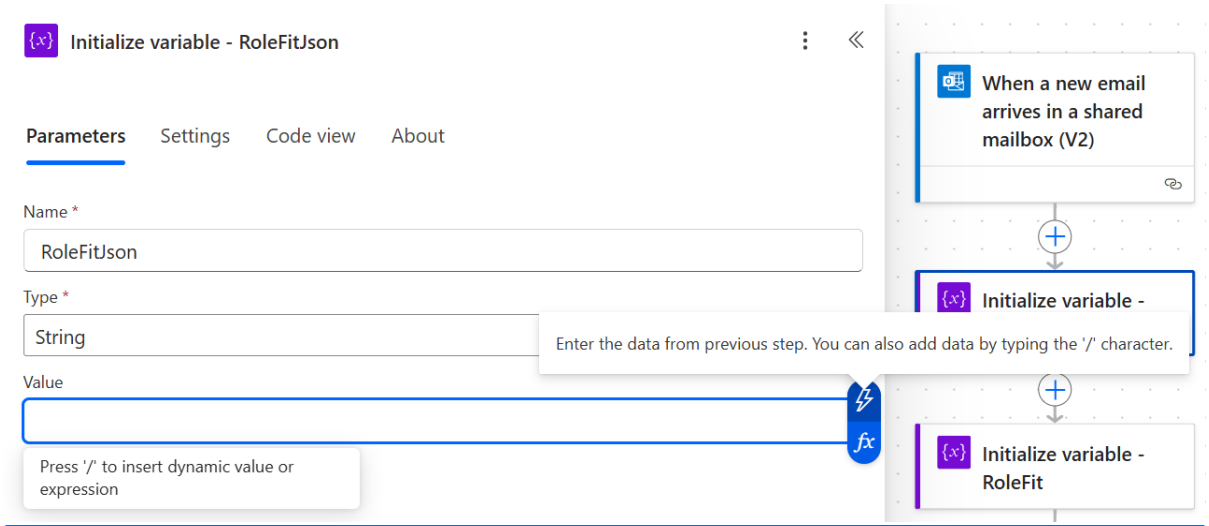


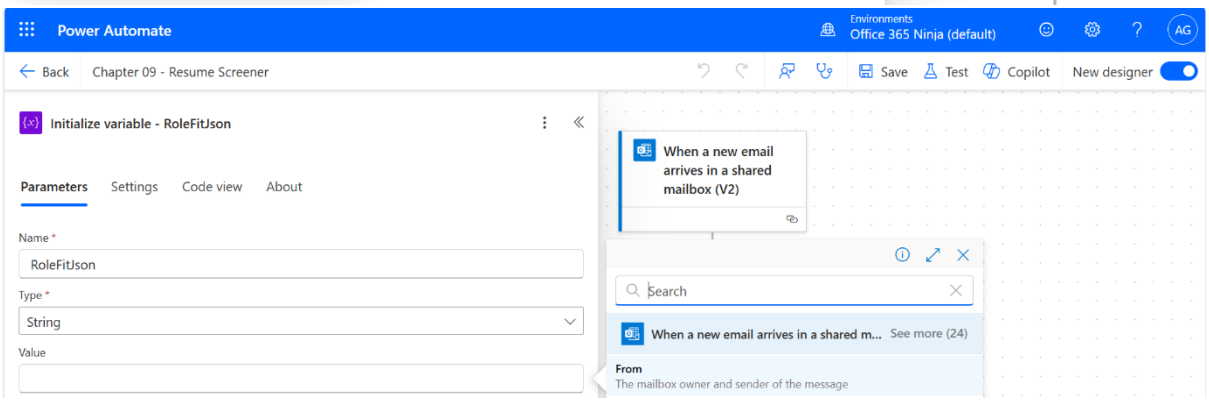

4:17
Authenticator
55
Flows
My cloud flows
Shared with me
Holiday Completion
No runs Instant
Chapter 03 - OpenAI GPT-3 Co...
No runs Instant
Chapter 03 - ChatGPT HTTP
No runs Instant
Button -> Initialize variable cop...
No runs Instant
Copy of - Holiday Completion
No runs Instant
Chapter 03 - ChatGPT HTTP, P...
No runs Instant
Chapter 11 - Using AI to updat...
No runs Automated
Chapter 10 - Crafting an execu...
No runs Instant
Chapter 09 - Resume Screener
No runs Automated
Flows
Instant Flows
Approvals

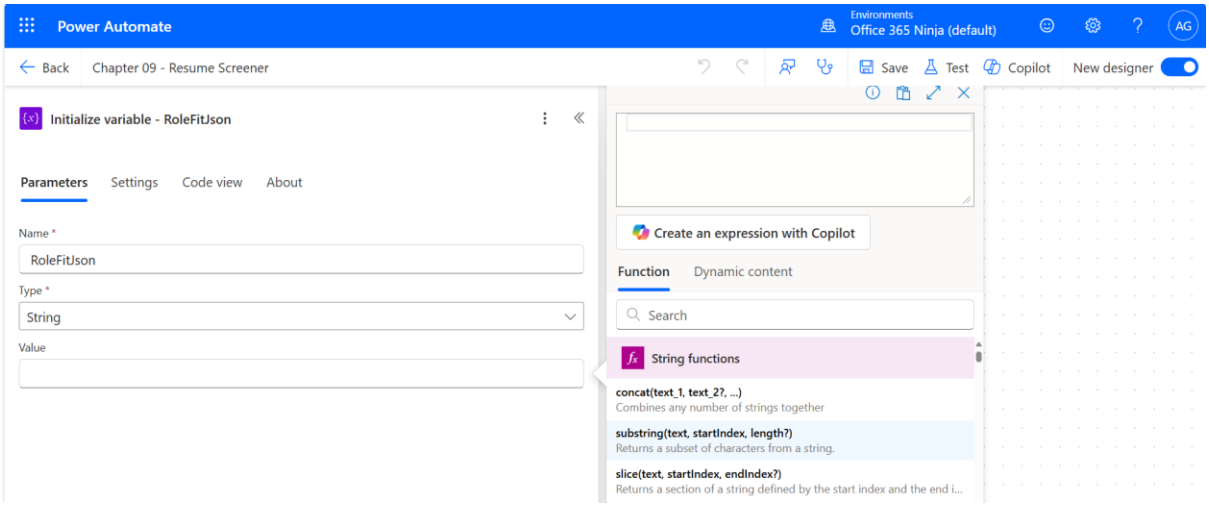

Power Automate
Aaron Guilmette
New
Go premium
Environments
Office 365 Ninja (default)
Settings
Help
Copilot
Home
Flows
Tests
Examples
Copilot
Get started by describing what you want to automate, or by recording your voice, screen, and mouse movements
Describe with Copilot
Record with Copilot
Start typing and describe what you want to automate
View prompts
0/500
This feature uses generative AI and is currently in preview See terms
Begin your automation journey
Get familiar with Power Automate and begin your automation journey.
Welcome to Power Automate
An overview of how Power Automate works and what it can do for you
Watch a 1 minute video
Get started tour
Get a tour on Power Automate for desktop and access all features available to elevate your ex...
Start tour
Build desktop flows
Drag and drop actions to perform the steps of your automation and form a flow.
New flow

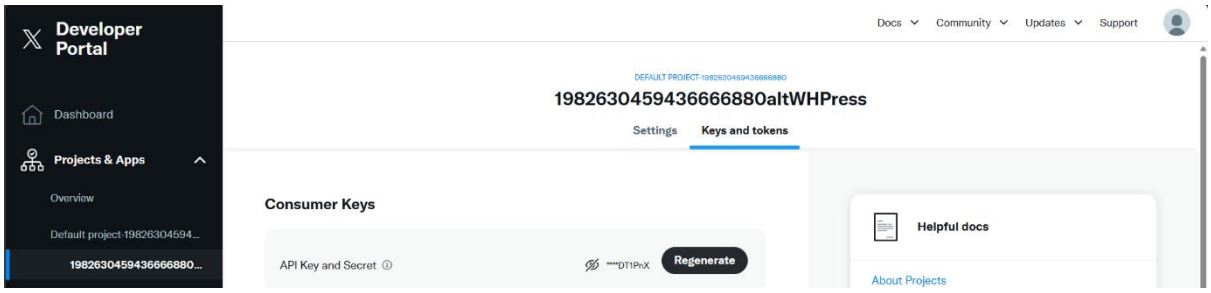

Power Platform admin center
New admin center
Welcome, Aaron
Home
Actions
Manage
Monitor
Security
Deployment
Licensing
Copilot
Support
Construction zone: the new Power Platform admin center
We're building you an admin center that's easier to navigate and intuitive to use.
See what's new
Add cards
Share feedback
Service health
0 incidents or advisories.
Message center
28 unread messages
Power Apps - Information regarding the end of support for Filter, sort, and search galleries with Copilot (preview)
[Reminder] Power Apps – Update your firewall allowlist to include *.powerplatformusercontent.com
Power Platform - New Power Platform admin center (PPAC) user interface to become the default
Power Platform admin center - Information about automatic deletion of inactive default environments
Show all
Documentation
Advisor
Recommendation may show for up to a week once acted on.


Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Resume Screener
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Parameters
Settings
Code view
About
Original Mailbox Address *
Switch to Advanced Mode
resumes@o365ninja.com
Enter part of a name or email address to find more people
Advanced parameters
Showing 4 of 9
Show all
Clear all
Importance
Any
Only with Attachments
Yes
When a new email arrives in a shared mailbox (V2)
Trigger
Initialize variable - RoleFitJson
Actions
Canvas
Initialize variable - RoleFit
Initialize variable - RoleFitSummary


Initialize variable - RoleFitJson
Parameters
Settings
Code view
About
Name *
RoleFitJson
Type *
String
Value
Press '/' to insert dynamic value or expression
When a new email arrives in a shared mailbox (V2)
Initialize variable -
Enter the data from previous step. You can also add data by typing the '/' character.
Initialize variable - RoleFit


Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Resume Screener
Save
Test
Copilot
New designer
Initialize variable - RoleFitJson
Parameters
Settings
Code view
About
Name *
RoleFitJson
Type *
String
Value
When a new email arrives in a shared mailbox (V2)
Search
When a new email arrives in a shared m...
See more (24)
From
The mailbox owner and sender of the message




## Did you save your API Key and API Key Secret?

- Save them in a secure location
- Treat them like a password or a set of keys
- If security has been compromised, regenerate them
- DO NOT store them in public places or shared docs

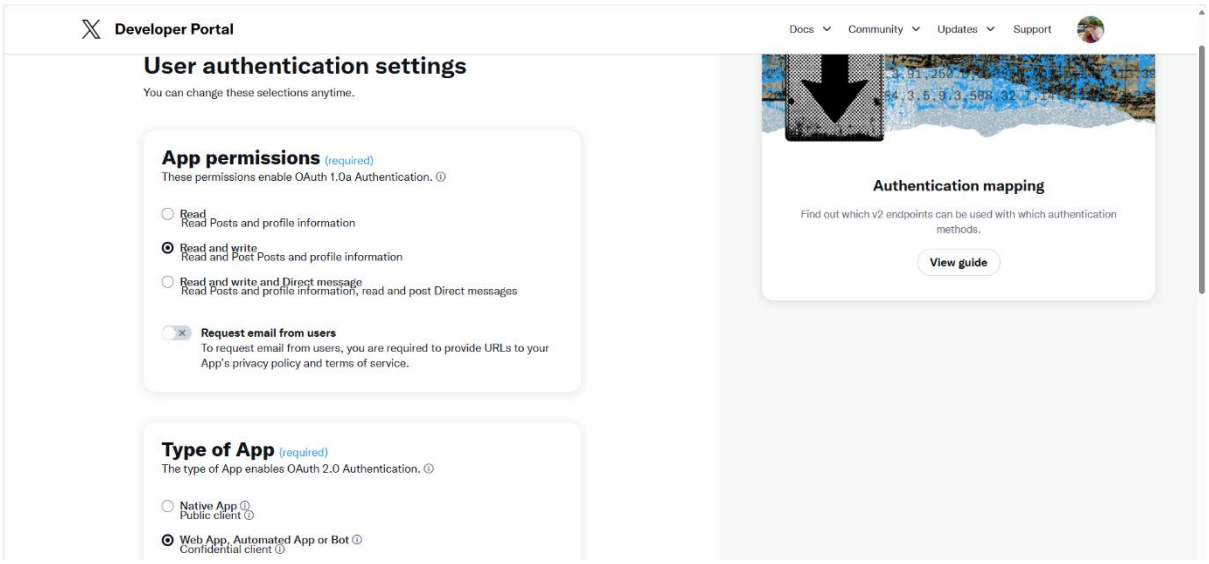
**API Key** ⓘ

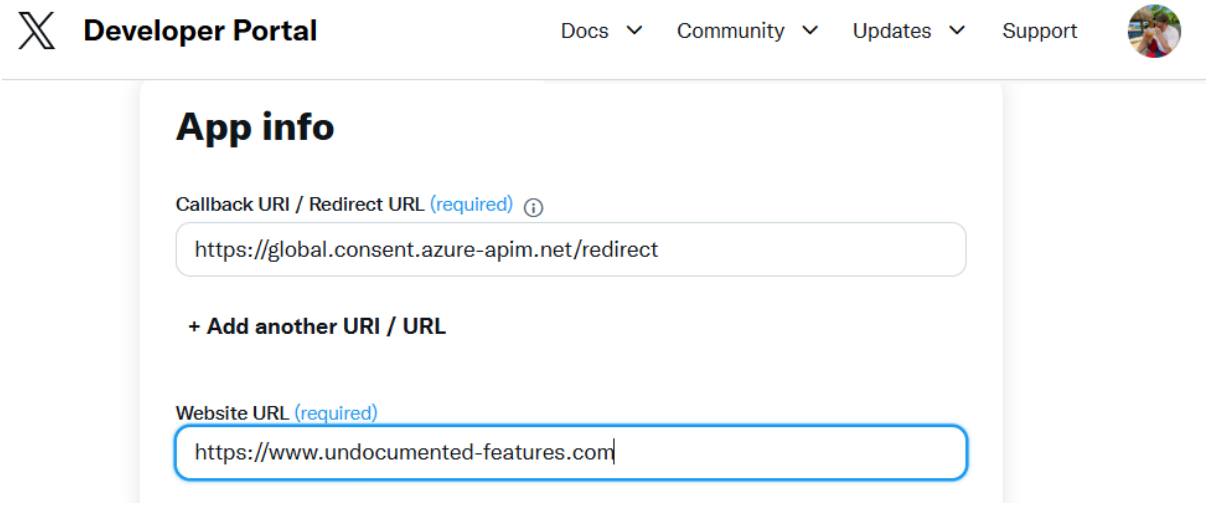
H9F[redacted] Copy

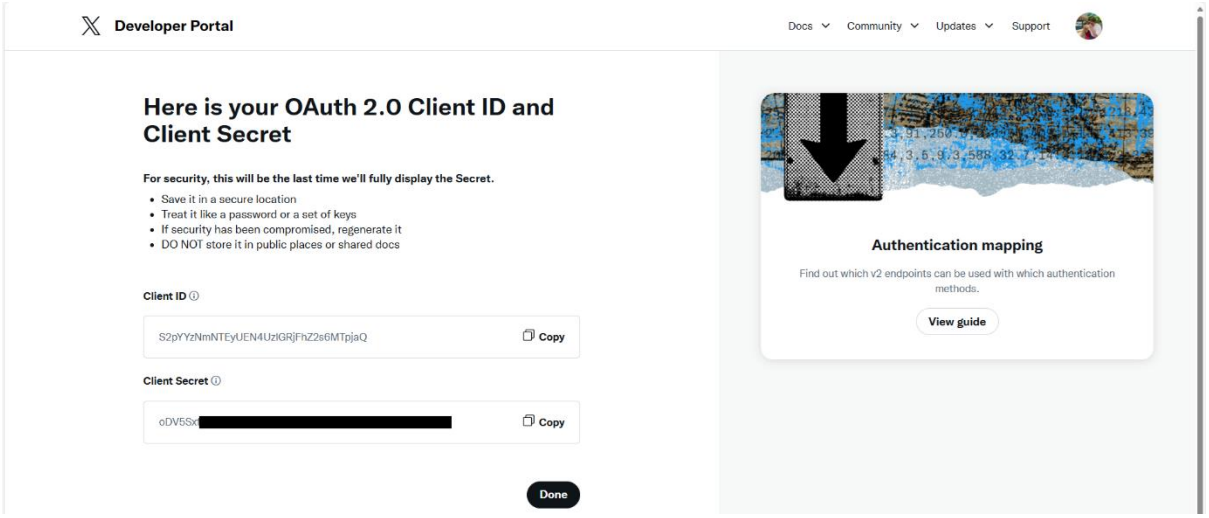
**API Key Secret** ⓘ

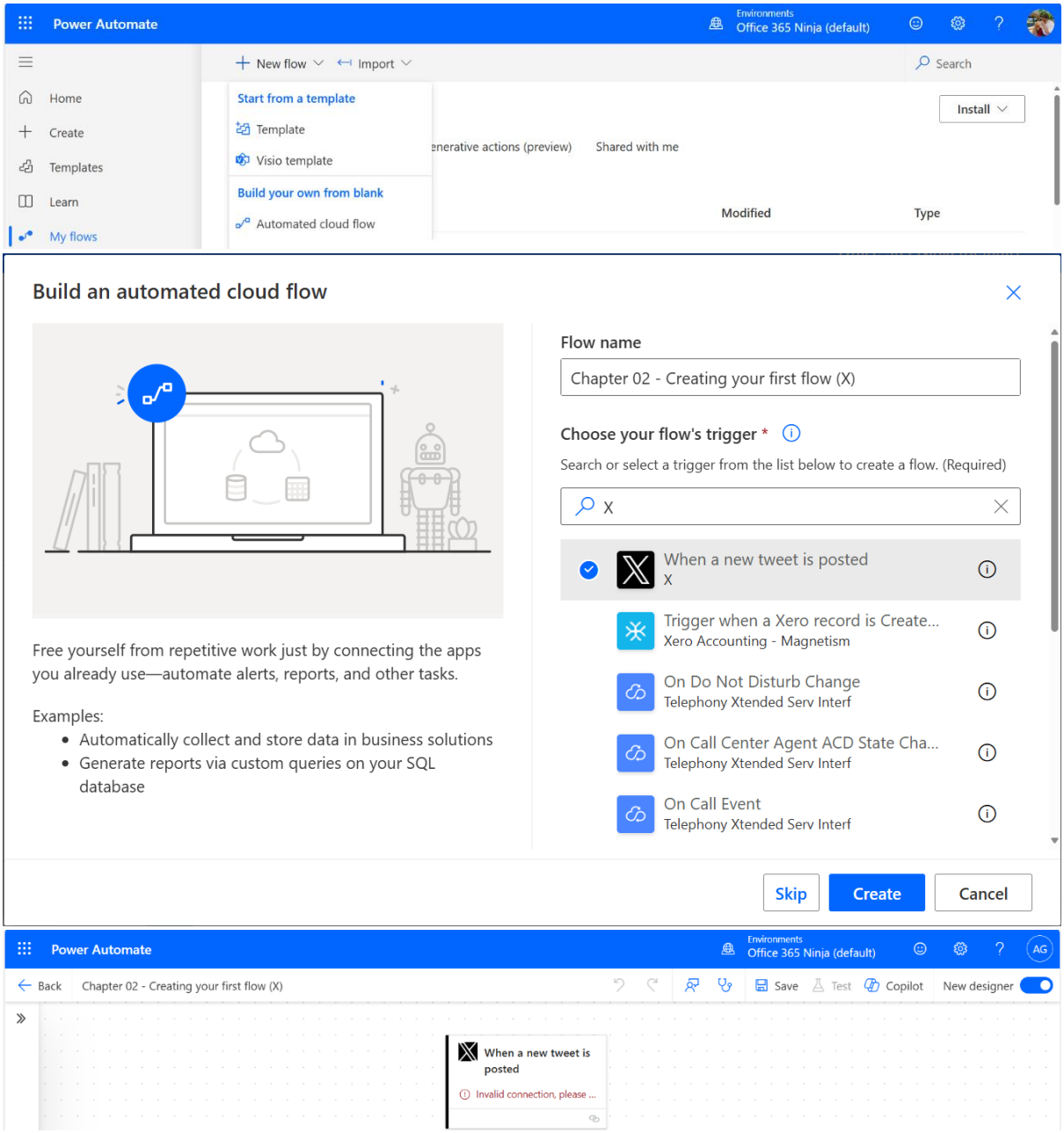
IEML[redacted] Copy

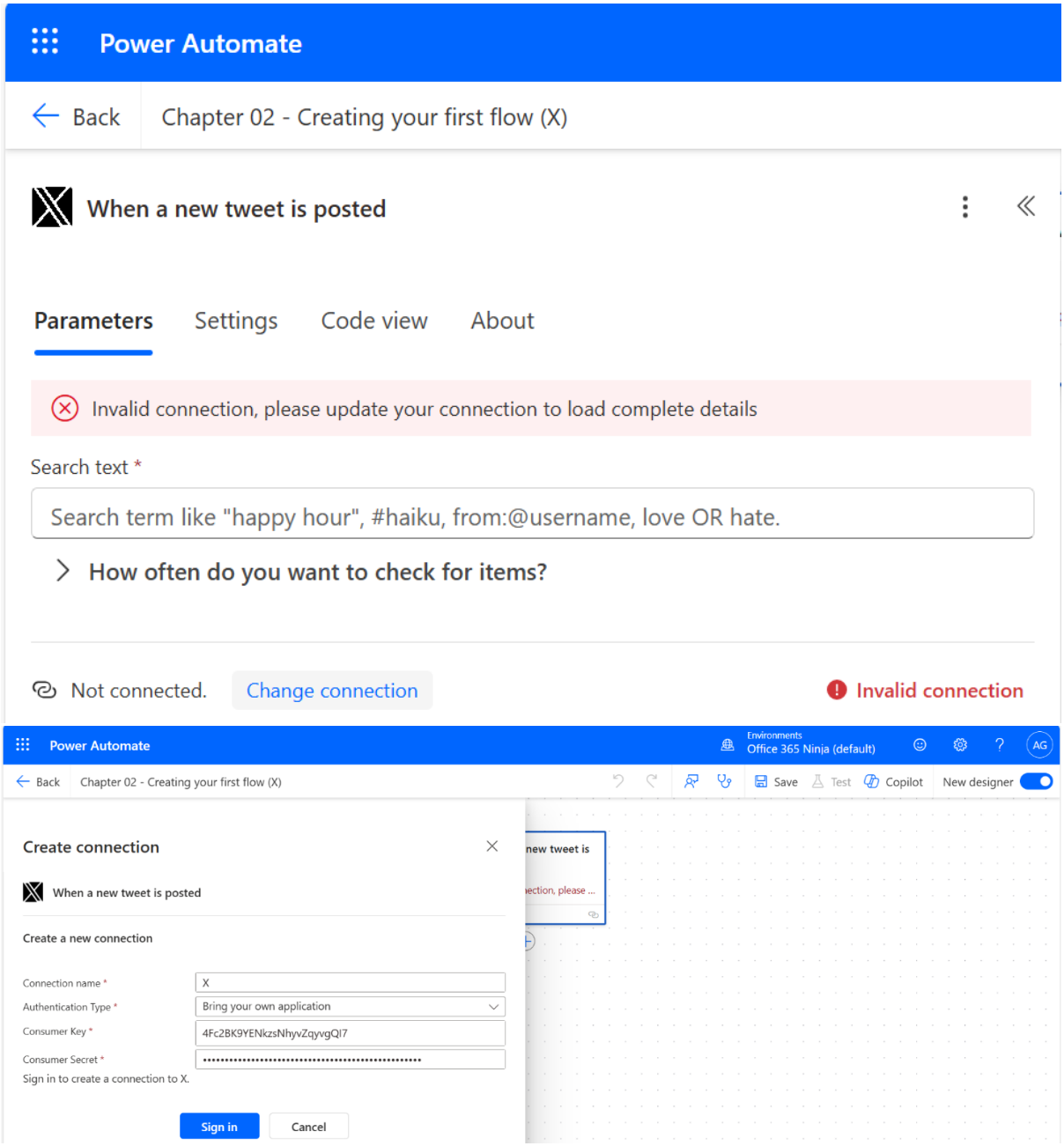
**Yes, I saved them**

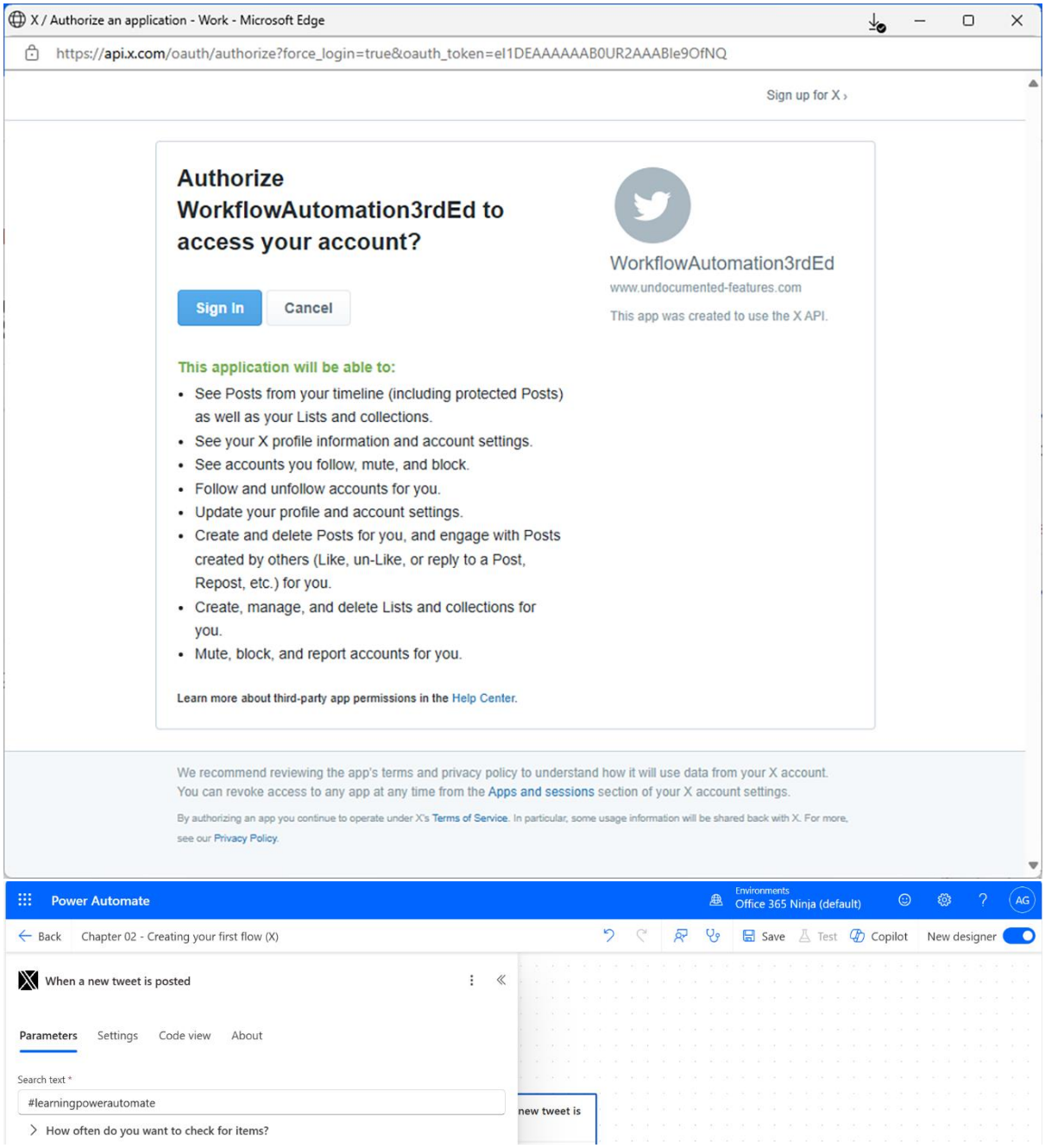

Developer Portal
Docs
Community
Updates
Support
User authentication settings
You can change these selections anytime.
App permissions (required)
These permissions enable OAuth 1.0a Authentication.
Read
Read Posts and profile information
Read and write
Read and Post Posts and profile information
Read and write and Direct message
Read Posts and profile information, read and post Direct messages
Request email from users
To request email from users, you are required to provide URLs to your App's privacy policy and terms of service.
Type of App (required)
The type of App enables OAuth 2.0 Authentication.
Native App
Public client
Web App, Automated App or Bot
Confidential client
Authentication mapping
Find out which v2 endpoints can be used with which authentication methods.
View guide


Developer Portal
Docs
Community
Updates
Support
App info
Callback URI / Redirect URL (required)
https://global.consent.azure-apim.net/redirect
+ Add another URI / URL
Website URL (required)
https://www.undocumented-features.com

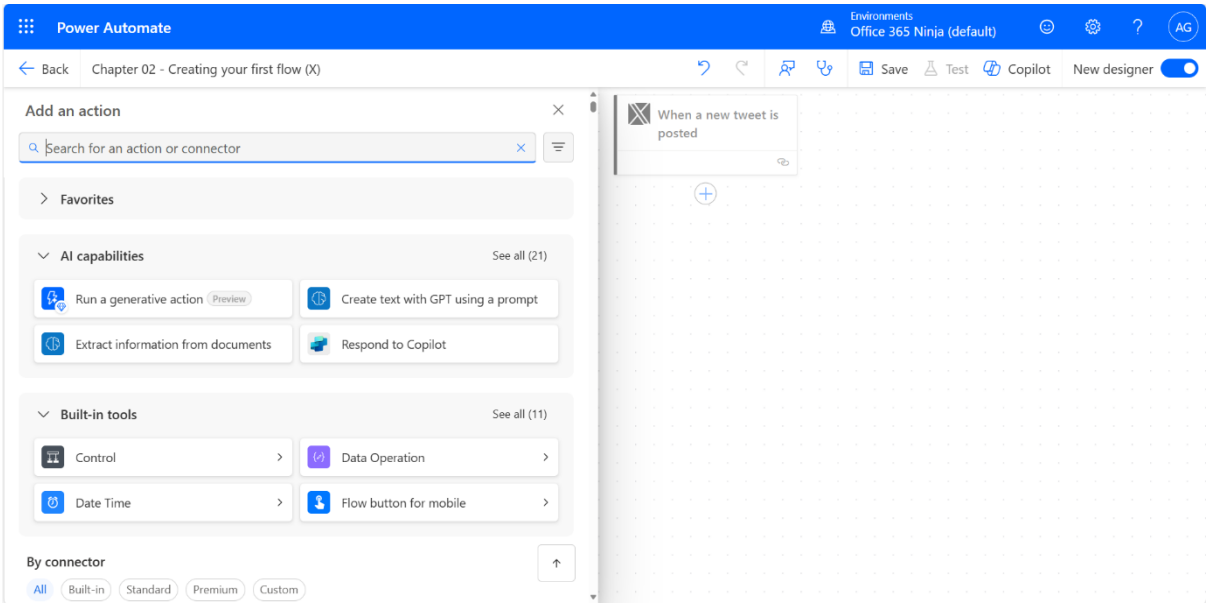

Developer Portal
Docs
Community
Updates
Support
Here is your OAuth 2.0 Client ID and Client Secret
For security, this will be the last time we'll fully display the Secret.
Save it in a secure location
Treat it like a password or a set of keys
If security has been compromised, regenerate it
DO NOT store it in public places or shared docs
Client ID
S2pYYzNmNTEyUEN4UzlGRjFhZ2s6MTpjaQ
Copy
Client Secret
oDV5Sx
Copy
Done
Authentication mapping
Find out which v2 endpoints can be used with which authentication methods.
View guide

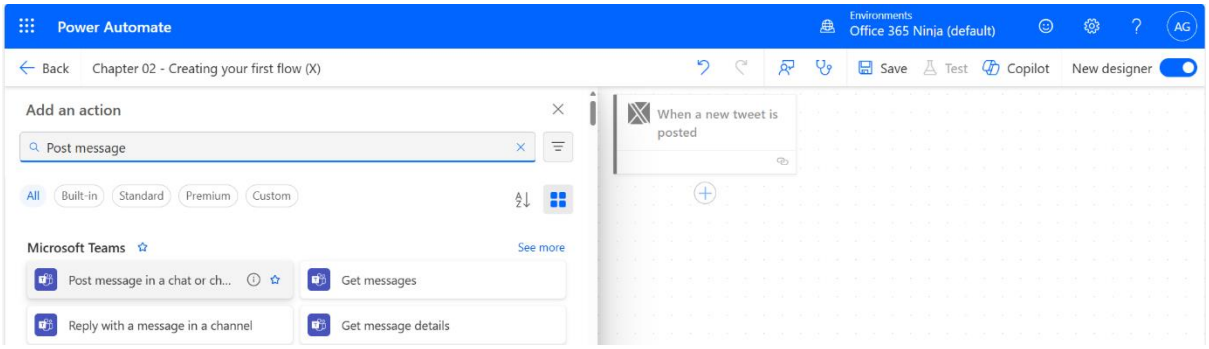

Power Automate
Environments
Office 365 Ninja (default)
New flow
Import
Search
Home
Create
Templates
Learn
My flows
Start from a template
Template
Visio template
Build your own from blank
Automated cloud flow
Install
Shared with me
Modified
Type
Build an automated cloud flow
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Flow name
Chapter 02 - Creating your first flow (X)
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
X
When a new tweet is posted
X
Trigger when a Xero record is Create...
Xero Accounting - Magnetism
On Do Not Disturb Change
Telephony Xtended Serv Interf
On Call Center Agent ACD State Cha...
Telephony Xtended Serv Interf
On Call Event
Telephony Xtended Serv Interf
Skip
Create
Cancel
Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
When a new tweet is posted
Invalid connection, please ...

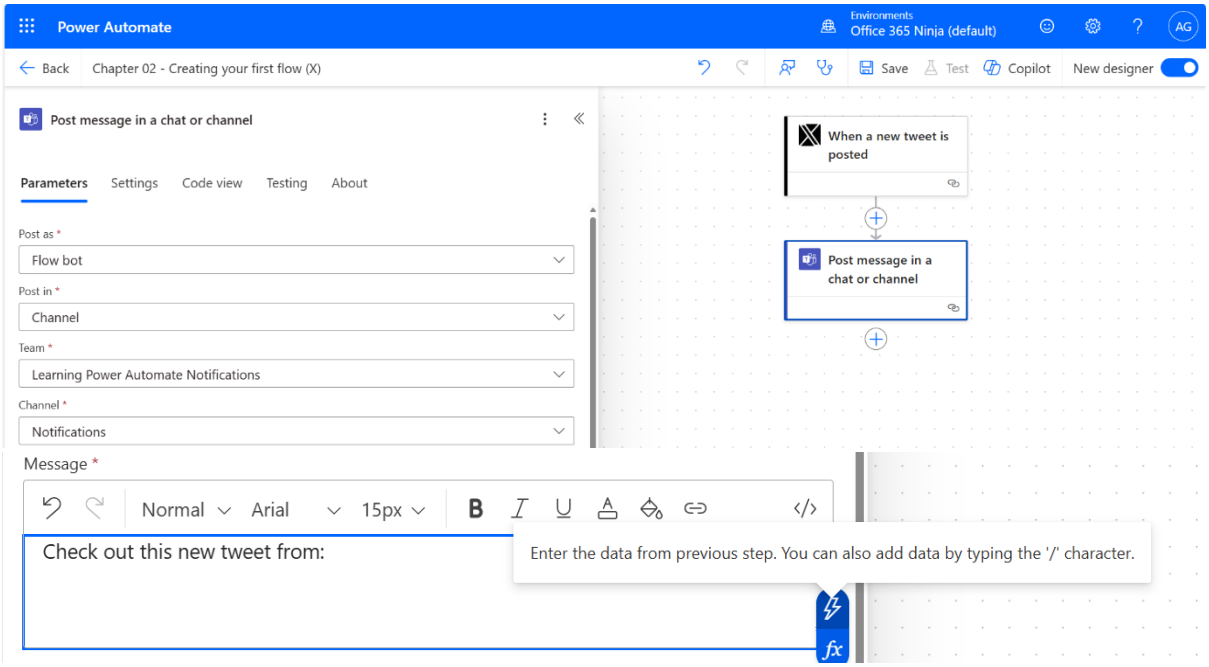

Power Automate
Back
Chapter 02 - Creating your first flow (X)
When a new tweet is posted
Parameters
Settings
Code view
About
Invalid connection, please update your connection to load complete details
Search text *
Search term like "happy hour", #haiku, from:@username, love OR hate.
How often do you want to check for items?
Not connected.
Change connection
Invalid connection
Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Create connection
When a new tweet is posted
Create a new connection
Connection name *
X
Authentication Type *
Bring your own application
Consumer Key *
4Fc2BK9YENkzsNhyvZqyvgQI7
Consumer Secret *
Sign in to create a connection to X.
Sign in
Cancel

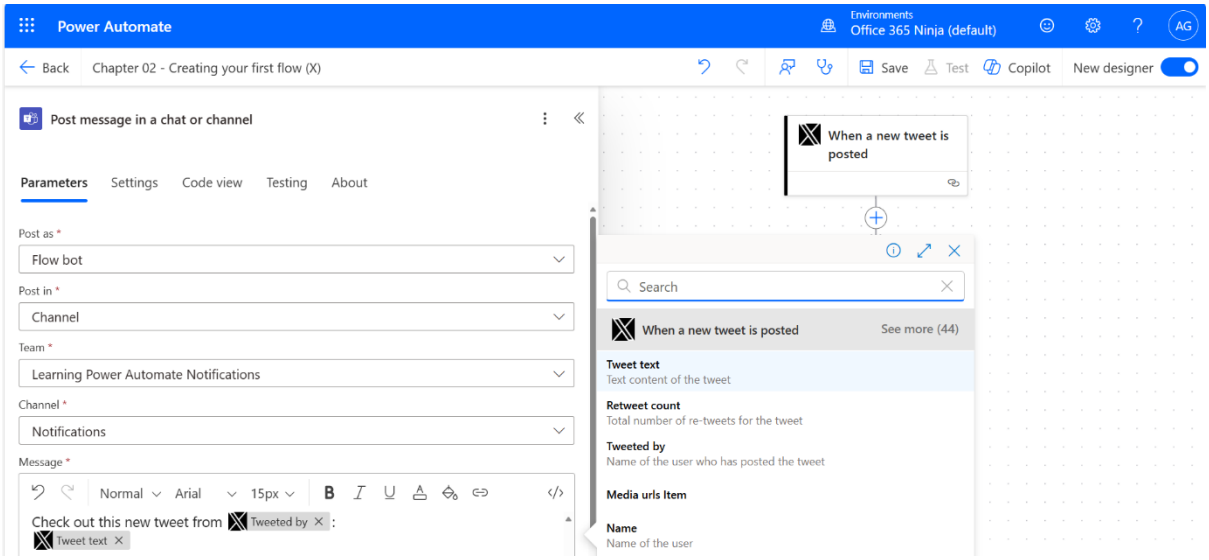

X / Authorize an application - Work - Microsoft Edge
https://api.x.com/oauth/authorize?force_login=true&oauth_token=el1DEAAAAAAB0UR2AAABle9OfNQ
Sign up for X ›
Authorize WorkflowAutomation3rdEd to access your account?
Sign In
Cancel
WorkflowAutomation3rdEd
www.undocumented-features.com
This app was created to use the X API.
This application will be able to:
• See Posts from your timeline (including protected Posts) as well as your Lists and collections.
• See your X profile information and account settings.
• See accounts you follow, mute, and block.
• Follow and unfollow accounts for you.
• Update your profile and account settings.
• Create and delete Posts for you, and engage with Posts created by others (Like, un-Like, or reply to a Post, Repost, etc.) for you.
• Create, manage, and delete Lists and collections for you.
• Mute, block, and report accounts for you.
Learn more about third-party app permissions in the Help Center.
We recommend reviewing the app's terms and privacy policy to understand how it will use data from your X account.
You can revoke access to any app at any time from the Apps and sessions section of your X account settings.
By authorizing an app you continue to operate under X's Terms of Service. In particular, some usage information will be shared back with X. For more, see our Privacy Policy.

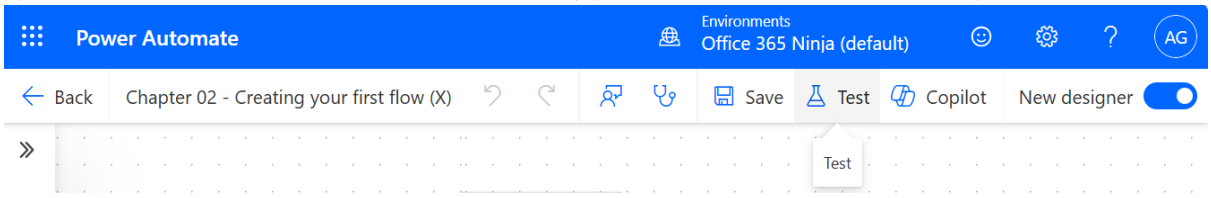

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
When a new tweet is posted
Parameters
Settings
Code view
About
Search text *
#learningpowerautomate
How often do you want to check for items?
new tweet is

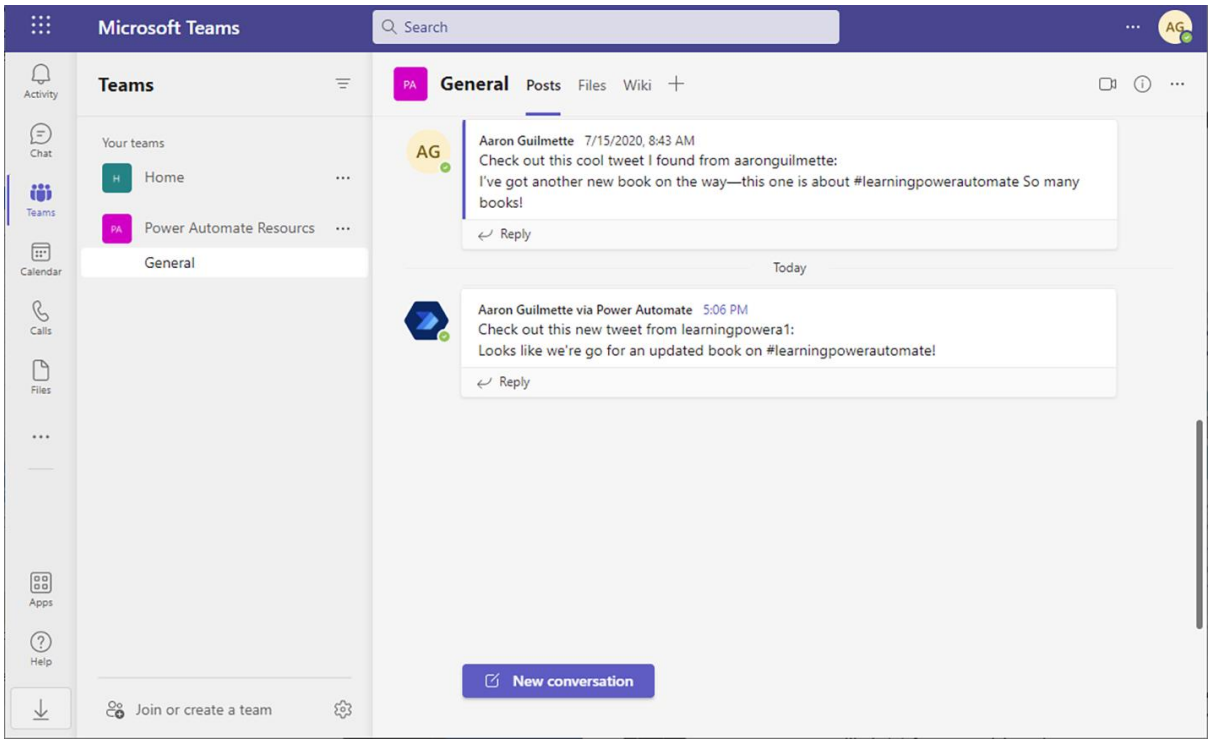

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Add an action
Search for an action or connector
Favorites
AI capabilities
See all (21)
Run a generative action
Preview
Create text with GPT using a prompt
Extract information from documents
Respond to Copilot
Built-in tools
See all (11)
Control
Data Operation
Date Time
Flow button for mobile
By connector
All
Built-in
Standard
Premium
Custom
When a new tweet is posted

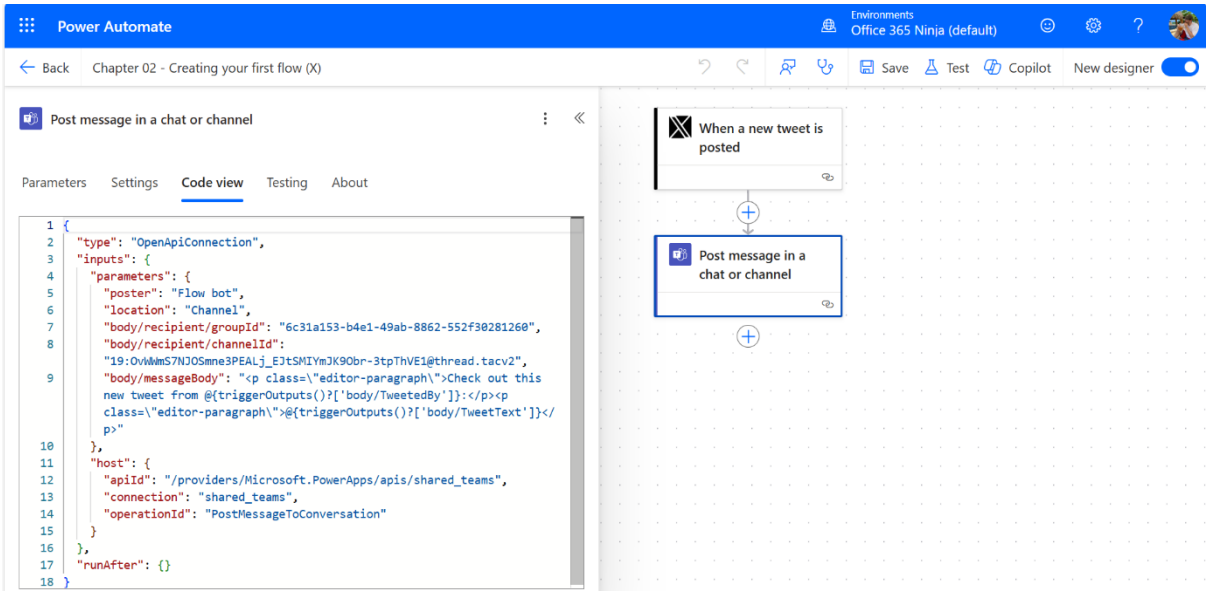

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Add an action
Post message
All
Built-in
Standard
Premium
Custom
Microsoft Teams
See more
Post message in a chat or ch...
Get messages
Reply with a message in a channel
Get message details
When a new tweet is posted


Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Post message in a chat or channel
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Channel
Team *
Learning Power Automate Notifications
Channel *
Notifications
Message *
Normal
Arial
15px
Check out this new tweet from:
Enter the data from previous step. You can also add data by typing the '/' character.
When a new tweet is posted
Post message in a chat or channel

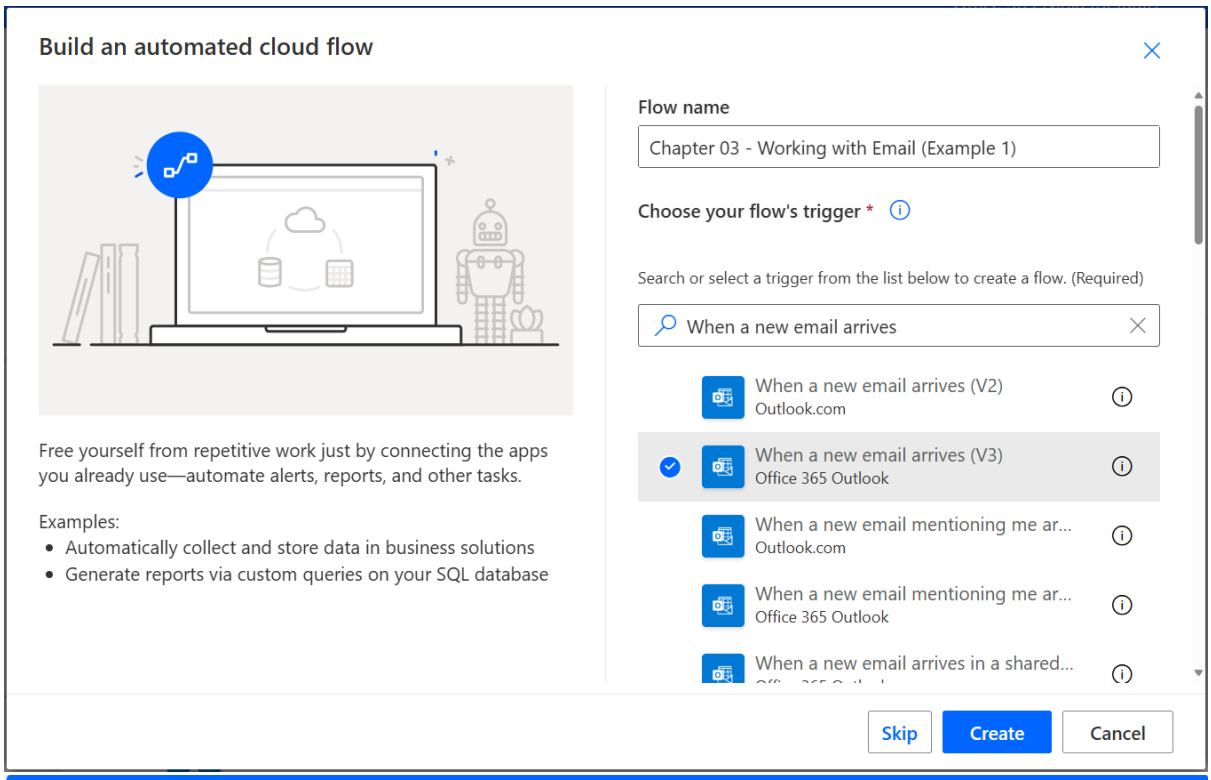

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Post message in a chat or channel
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Channel
Team *
Learning Power Automate Notifications
Channel *
Notifications
Message *
Normal
Arial
15px
Check out this new tweet from
Tweeted by
:
Tweet text
When a new tweet is posted
Search
When a new tweet is posted
See more (44)
Tweet text
Text content of the tweet
Retweet count
Total number of re-tweets for the tweet
Tweeted by
Name of the user who has posted the tweet
Media urls Item
Name
Name of the user

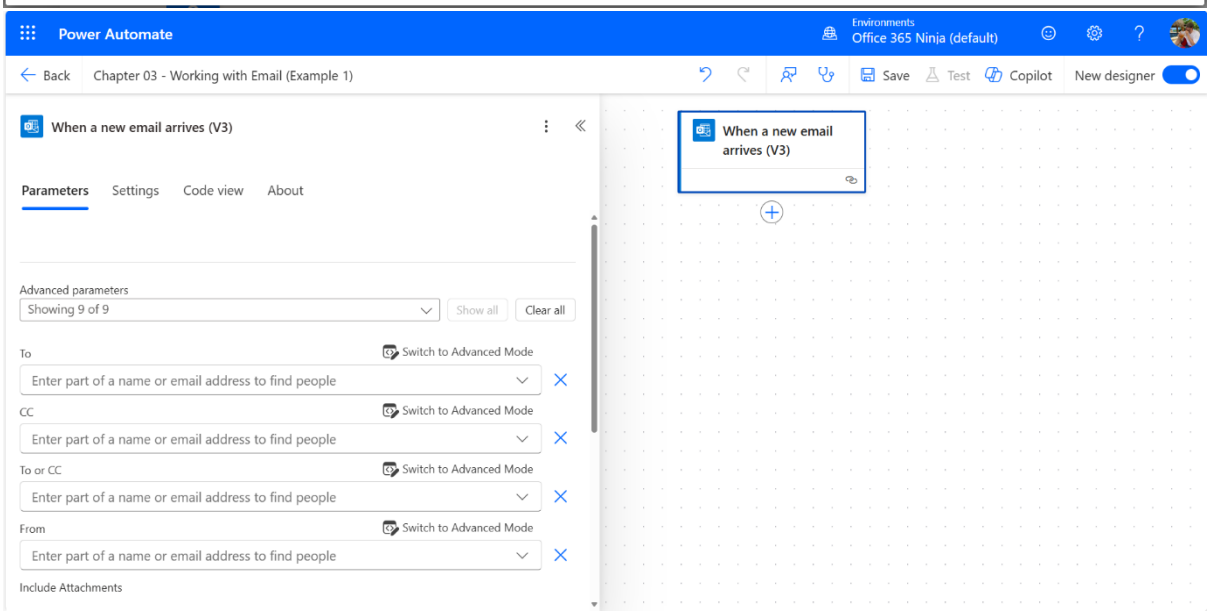

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Test

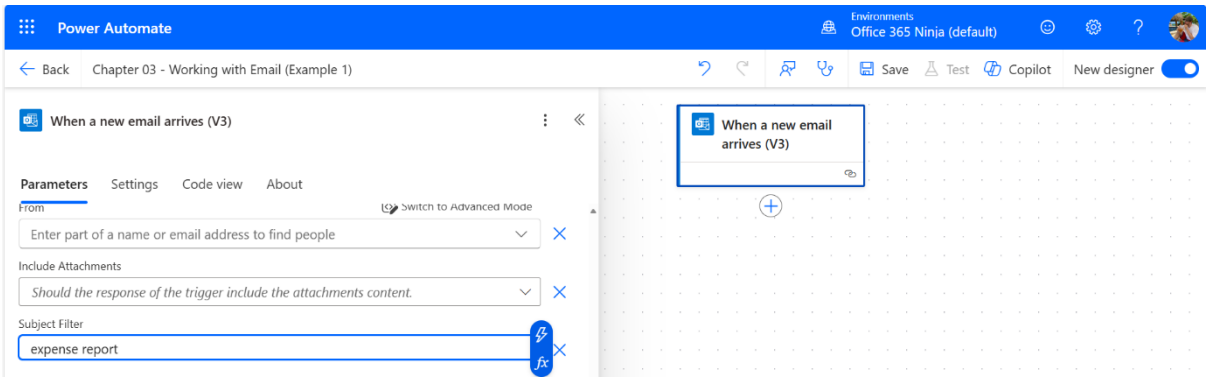

Microsoft Teams
Search
Activity
Chat
Teams
Calendar
Calls
Files
Apps
Help
Teams
Your teams
Home
Power Automate Resources
General
Join or create a team
General
Posts
Files
Wiki
Aaron Guilmette 7/15/2020, 8:43 AM
Check out this cool tweet I found from aaronguilmette:
I've got another new book on the way—this one is about #learningpowerautomate So many books!
Reply
Today
Aaron Guilmette via Power Automate 5:06 PM
Check out this new tweet from learningpowera1:
Looks like we're go for an updated book on #learningpowerautomate!
Reply
New conversation

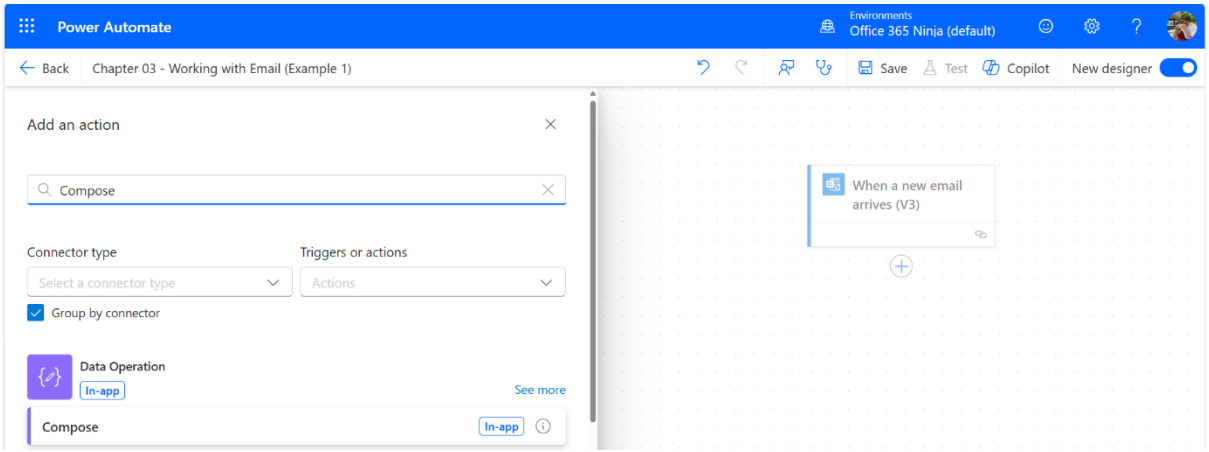

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
Post message in a chat or channel
Parameters
Settings
Code view
Testing
About
{
"type": "OpenApiConnection",
"inputs": {
"parameters": {
"poster": "Flow bot",
"location": "Channel",
"body/recipient/groupId": "6c31a153-b4e1-49ab-8862-552f30281260",
"body/recipient/channelId":
"19:OvWWmS7NJOSmne3PEALj_EJtSMIYmJK9Obr-3tpThVE1@thread.tacv2",
"body/messageBody": "<p class=\"editor-paragraph\">Check out this
new tweet from @{triggerOutputs()?['body/TweetedBy']}:</p><p
class=\"editor-paragraph\">@{triggerOutputs()?['body/TweetText']}</
p>"
},
"host": {
"apiId": "/providers/Microsoft.PowerApps/apis/shared_teams",
"connection": "shared_teams",
"operationId": "PostMessageToConversation"
}
},
"runAfter": {}
}
When a new tweet is posted
Post message in a chat or channel

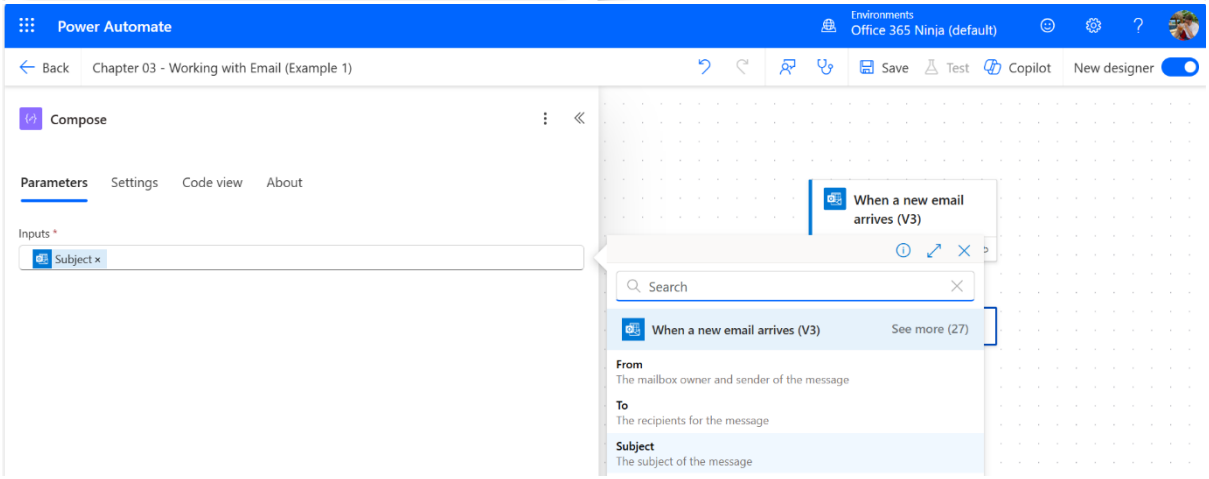
# Chapter 3: Working with Email

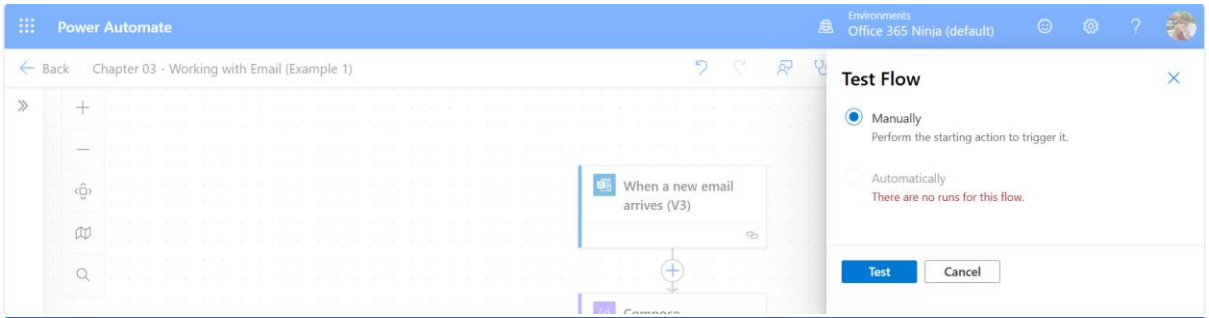


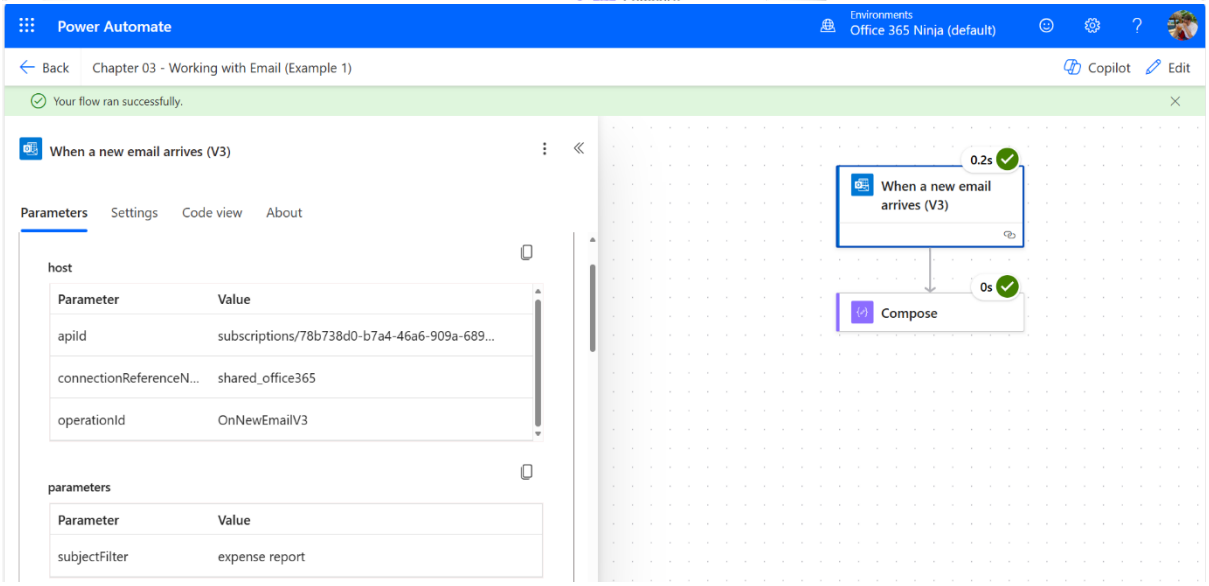



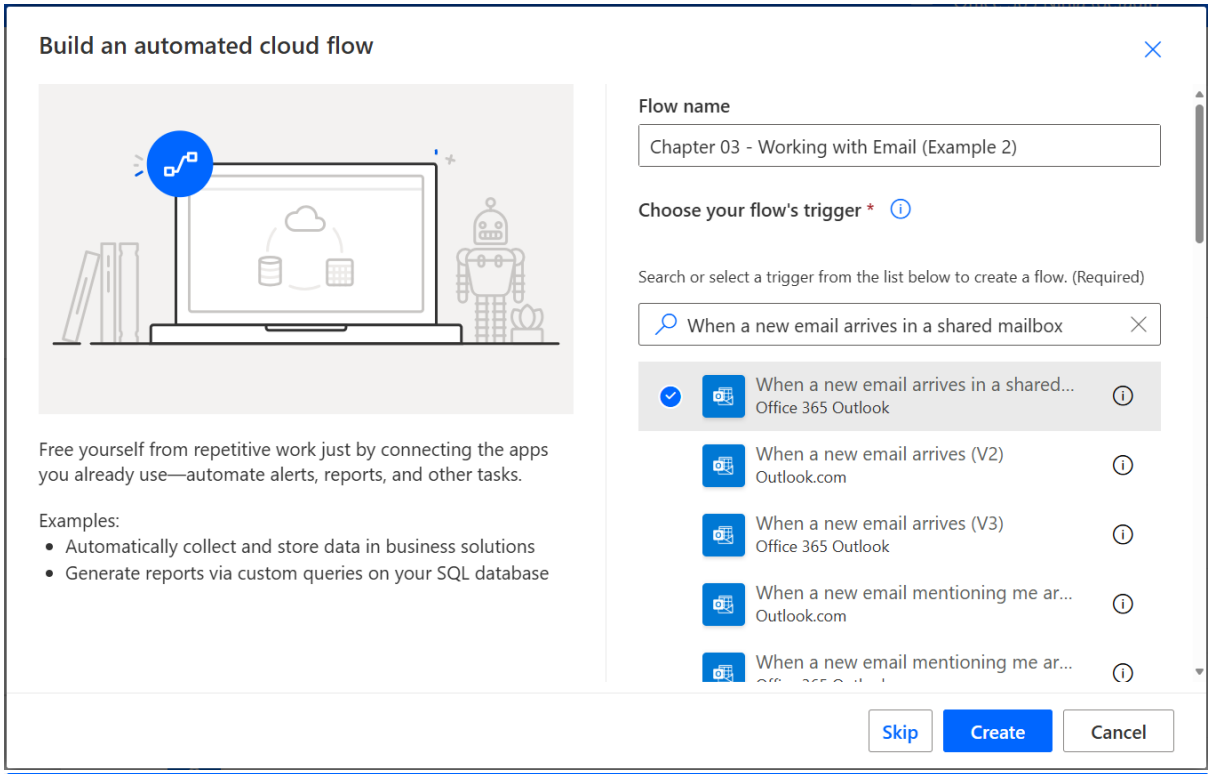



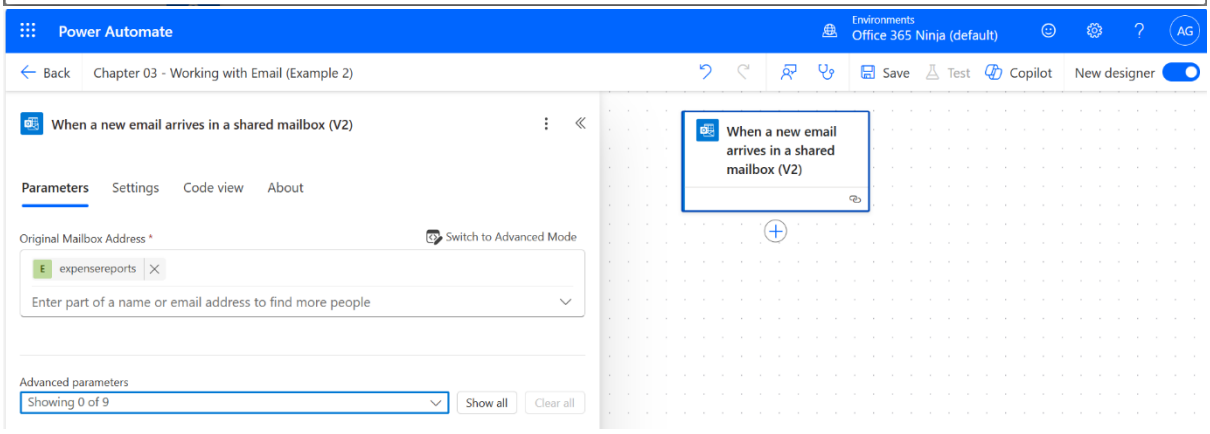

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 1)
Save
Test
Copilot
New designer
Add an action
Compose
Connector type
Select a connector type
Triggers or actions
Actions
Group by connector
Data Operation
In-app
See more
Compose
In-app
When a new email arrives (V3)

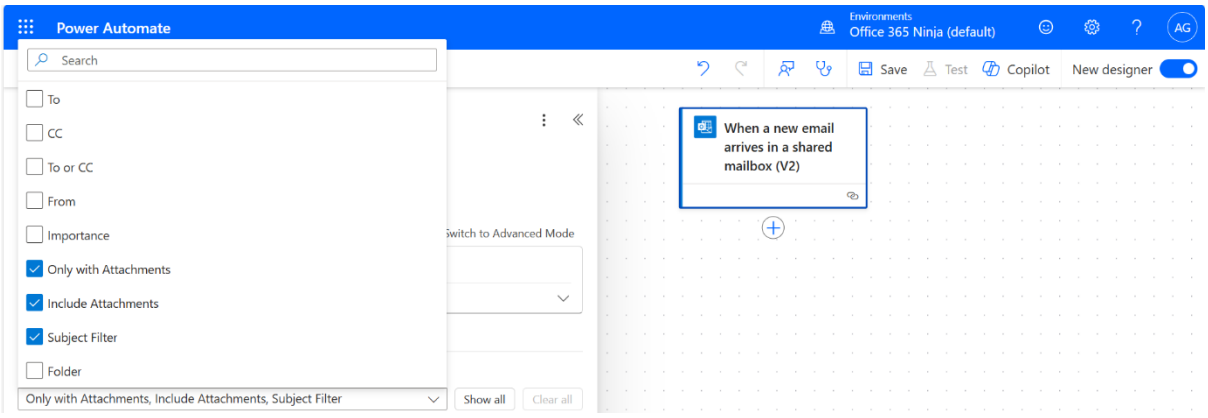

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 1)
Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
Subject ×
When a new email arrives (V3)
Search
When a new email arrives (V3)
See more (27)
From
The mailbox owner and sender of the message
To
The recipients for the message
Subject
The subject of the message

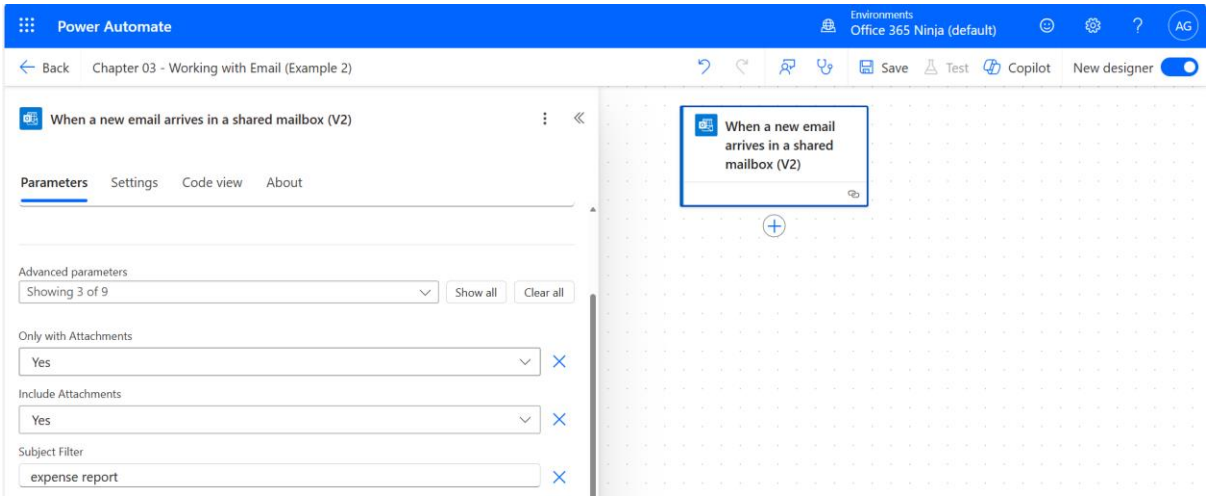

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 1)
When a new email arrives (V3)
Test Flow
Manually
Perform the starting action to trigger it.
Automatically
There are no runs for this flow.
Test
Cancel

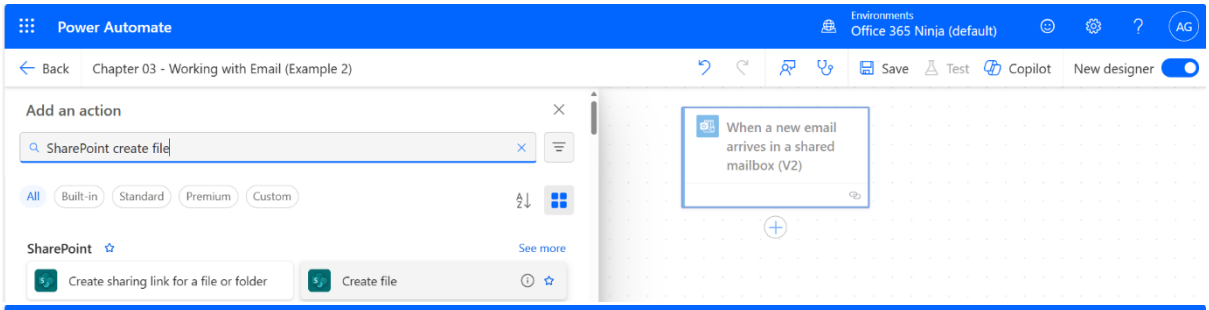

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 1)
Copilot
Edit
Your flow ran successfully.
When a new email arrives (V3)
Parameters
Settings
Code view
About
host
Parameter
Value
apiId
subscriptions/78b738d0-b7a4-46a6-909a-689...
connectionReferenceN...
shared_office365
operationId
OnNewEmailV3
parameters
Parameter
Value
subjectFilter
expense report
0.2s
When a new email arrives (V3)
0s
Compose

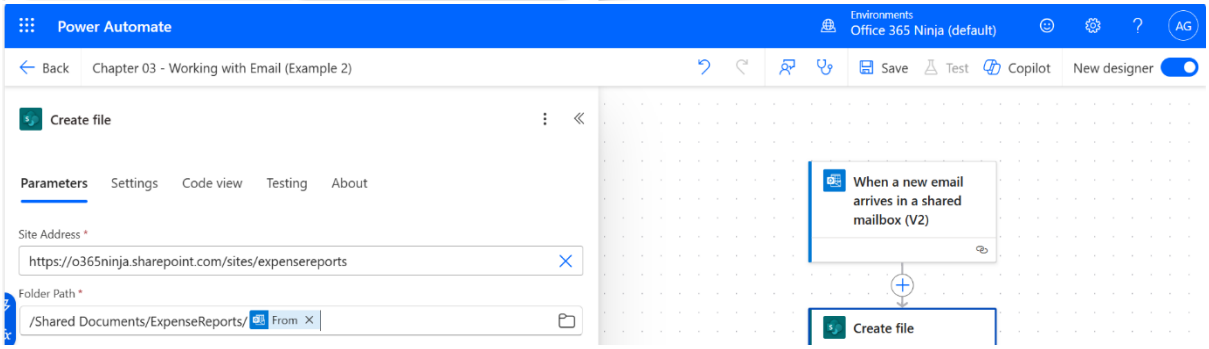

Build an automated cloud flow
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Flow name
Chapter 03 - Working with Email (Example 2)
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
When a new email arrives in a shared mailbox
When a new email arrives in a shared...
Office 365 Outlook
When a new email arrives (V2)
Outlook.com
When a new email arrives (V3)
Office 365 Outlook
When a new email mentioning me ar...
Outlook.com
When a new email mentioning me ar...
Skip
Create
Cancel

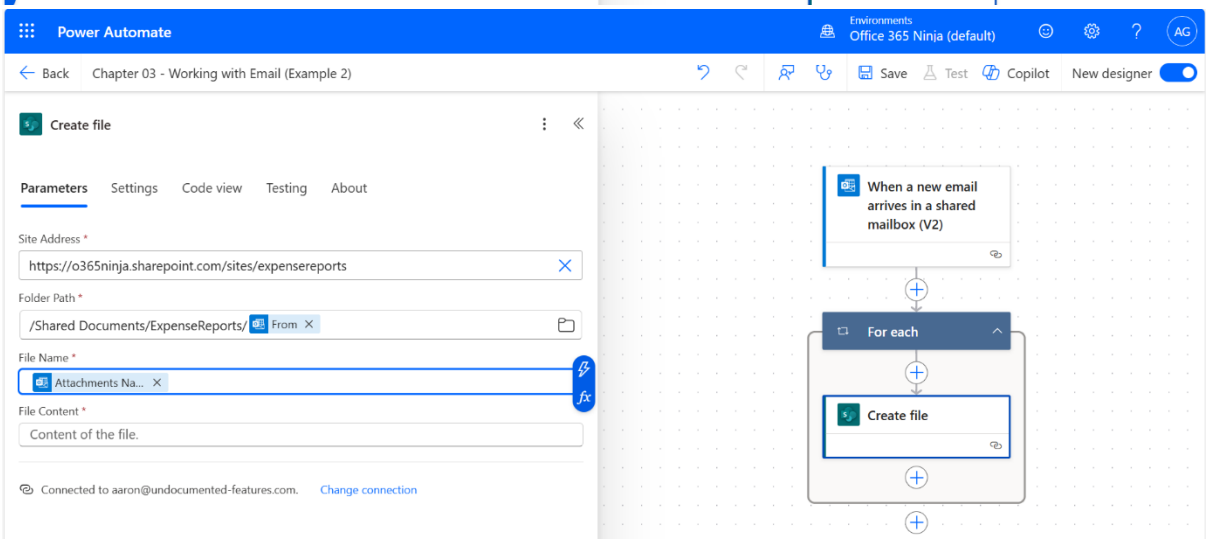

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Parameters
Settings
Code view
About
Original Mailbox Address *
Switch to Advanced Mode
expensereports
Enter part of a name or email address to find more people
Advanced parameters
Showing 0 of 9
Show all
Clear all
When a new email arrives in a shared mailbox (V2)

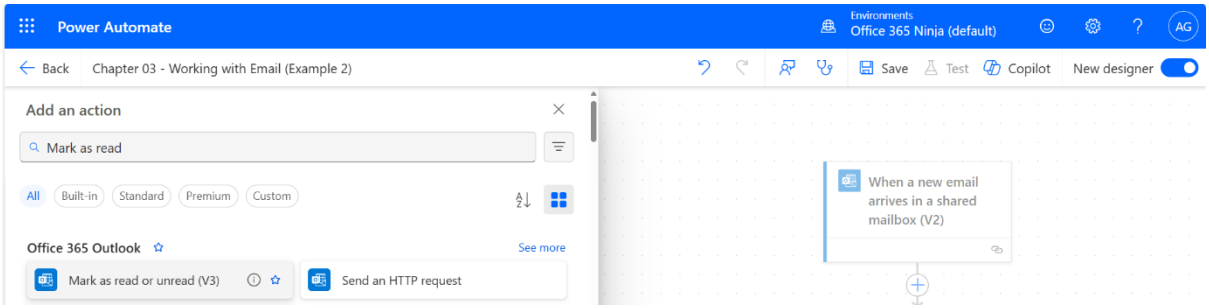

Power Automate
Environments
Office 365 Ninja (default)
AG
Search
To
CC
To or CC
From
Importance
Only with Attachments
Include Attachments
Subject Filter
Folder
Only with Attachments, Include Attachments, Subject Filter
Show all
Clear all
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)

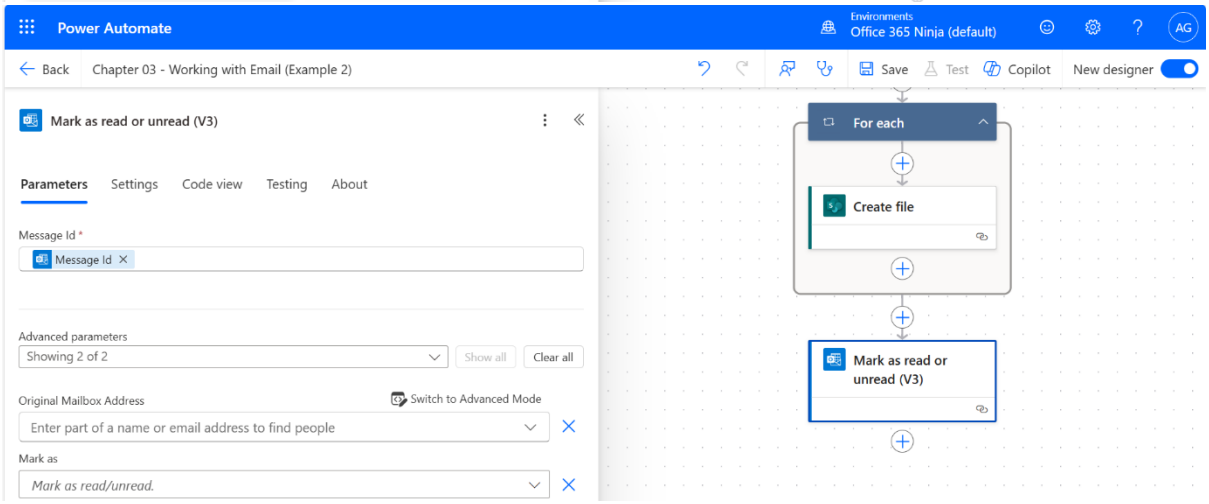

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Parameters
Settings
Code view
About
Advanced parameters
Showing 3 of 9
Show all
Clear all
Only with Attachments
Yes
Include Attachments
Yes
Subject Filter
expense report
When a new email arrives in a shared mailbox (V2)

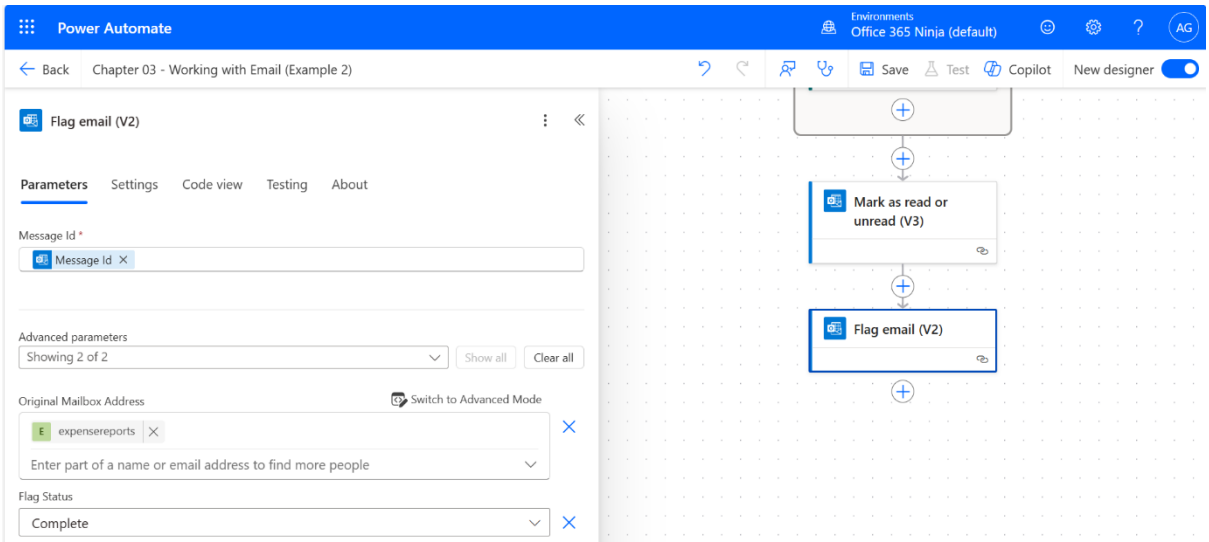

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Add an action
SharePoint create file
All
Built-in
Standard
Premium
Custom
SharePoint
See more
Create sharing link for a file or folder
Create file
When a new email arrives in a shared mailbox (V2)

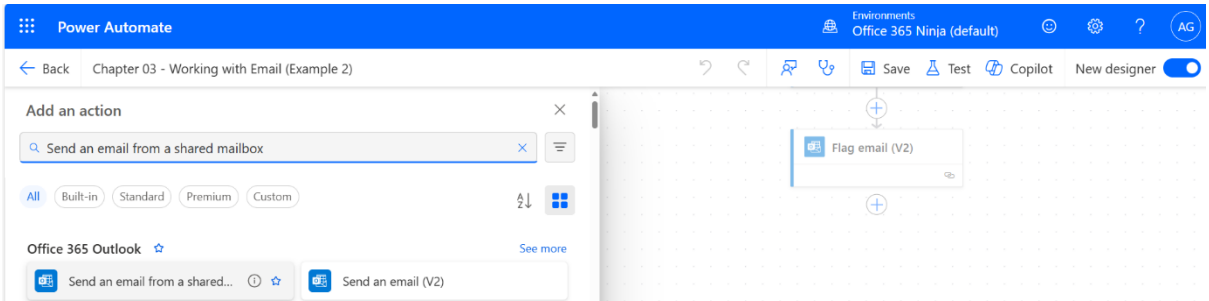

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Site Address *
https://o365ninja.sharepoint.com/sites/expensereports
Folder Path *
/Shared Documents/ExpenseReports/
From
When a new email arrives in a shared mailbox (V2)
Create file

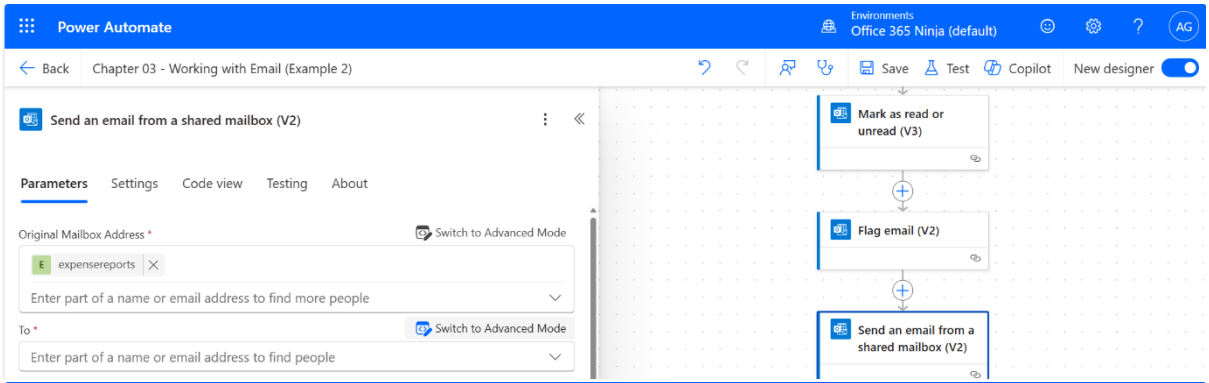

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Site Address *
https://o365ninja.sharepoint.com/sites/expensereports
Folder Path *
/Shared Documents/ExpenseReports/
From
File Name *
Attachments Na...
File Content *
Content of the file.
Connected to aaron@undocumented-features.com.
Change connection
When a new email arrives in a shared mailbox (V2)
For each
Create file

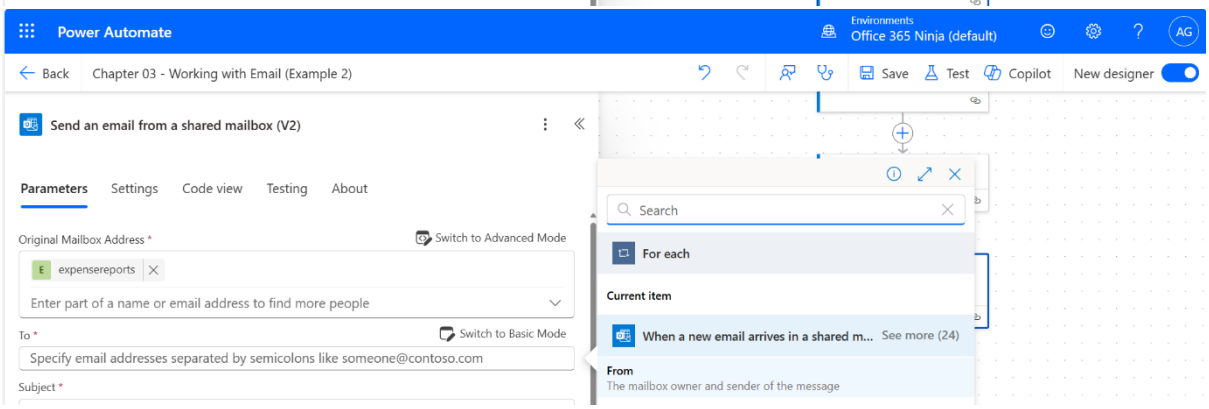

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Add an action
Mark as read
All
Built-in
Standard
Premium
Custom
Office 365 Outlook
See more
Mark as read or unread (V3)
Send an HTTP request
When a new email arrives in a shared mailbox (V2)

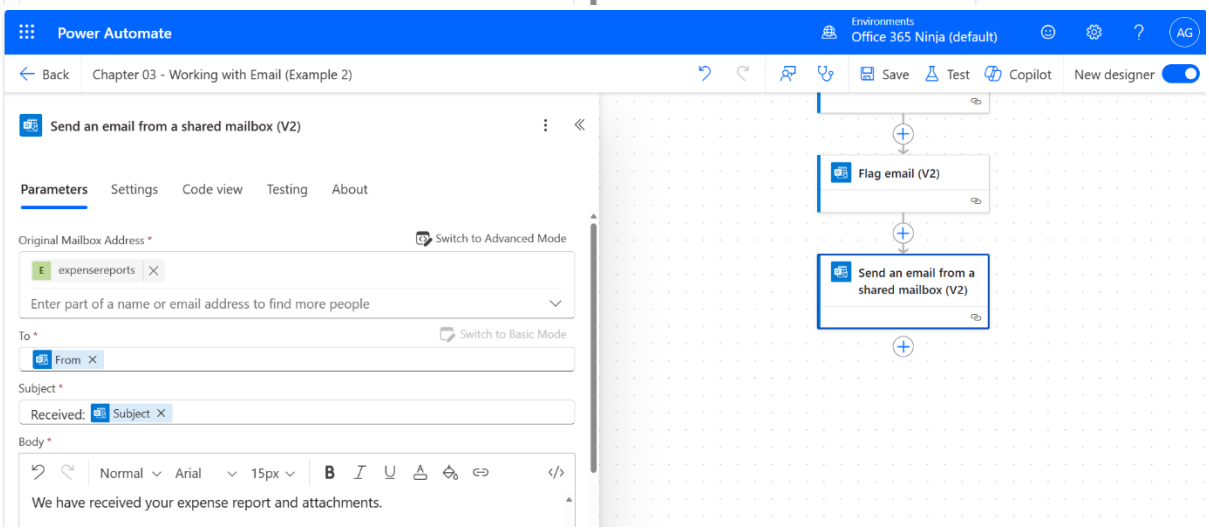

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Mark as read or unread (V3)
Parameters
Settings
Code view
Testing
About
Message Id *
Message Id
Advanced parameters
Showing 2 of 2
Show all
Clear all
Original Mailbox Address
Switch to Advanced Mode
Enter part of a name or email address to find people
Mark as
Mark as read/unread.
For each
Create file
Mark as read or unread (V3)

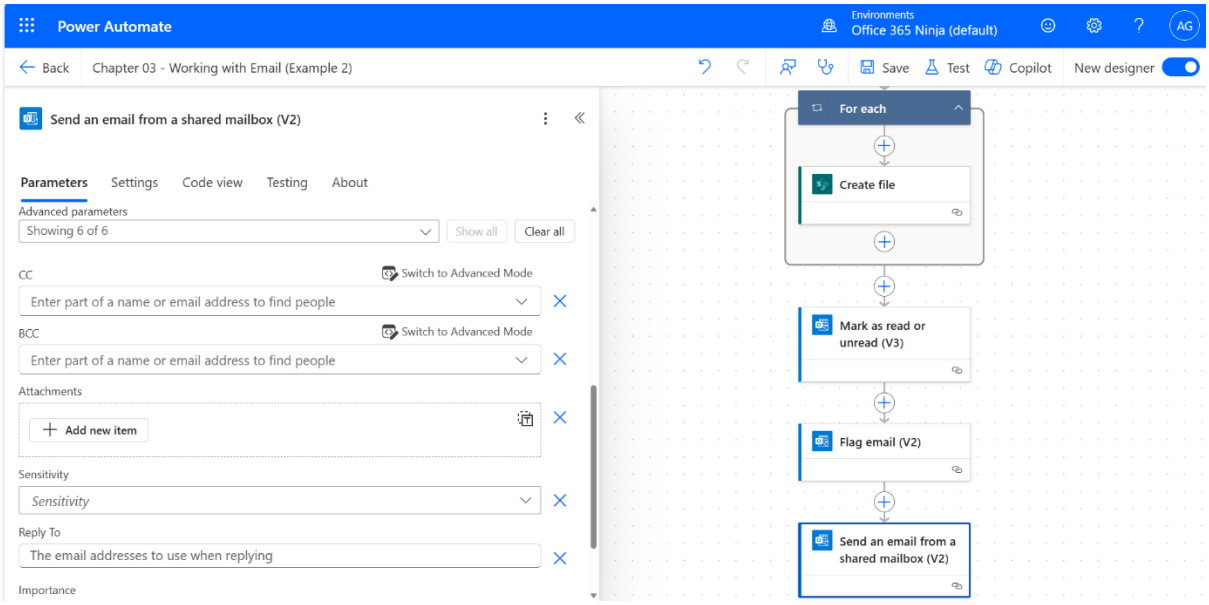

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Flag email (V2)
Parameters
Settings
Code view
Testing
About
Message Id *
Message Id
Advanced parameters
Showing 2 of 2
Show all
Clear all
Original Mailbox Address
Switch to Advanced Mode
expensereports
Enter part of a name or email address to find more people
Flag Status
Complete
Mark as read or unread (V3)
Flag email (V2)

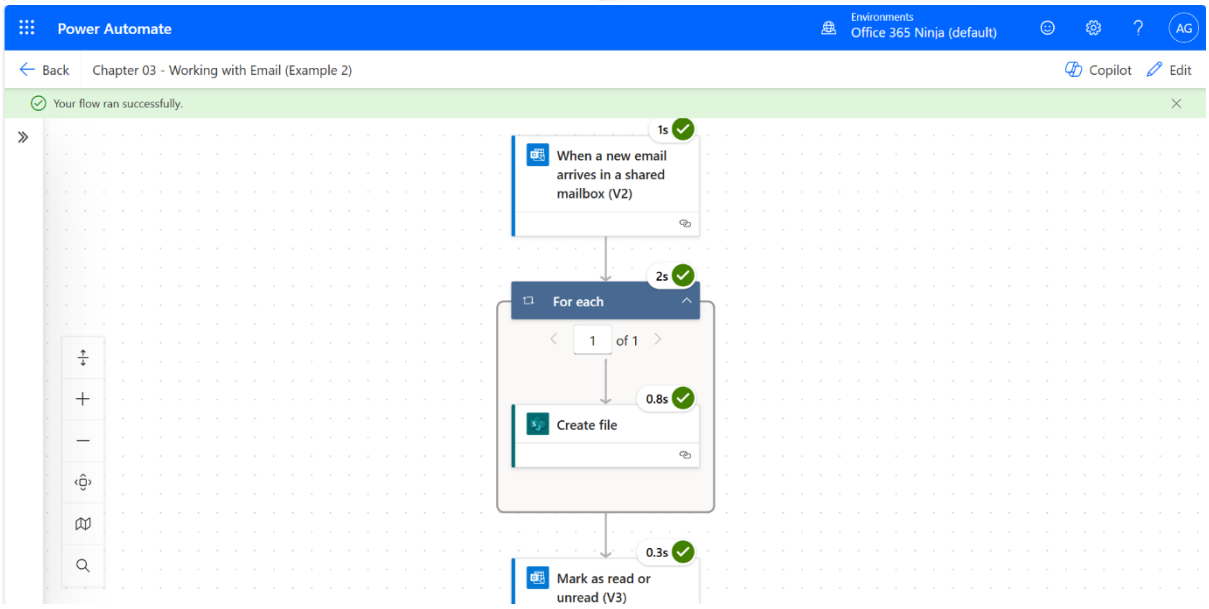

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Add an action
Send an email from a shared mailbox
All
Built-in
Standard
Premium
Custom
Office 365 Outlook
See more
Send an email from a shared...
Send an email (V2)
Flag email (V2)

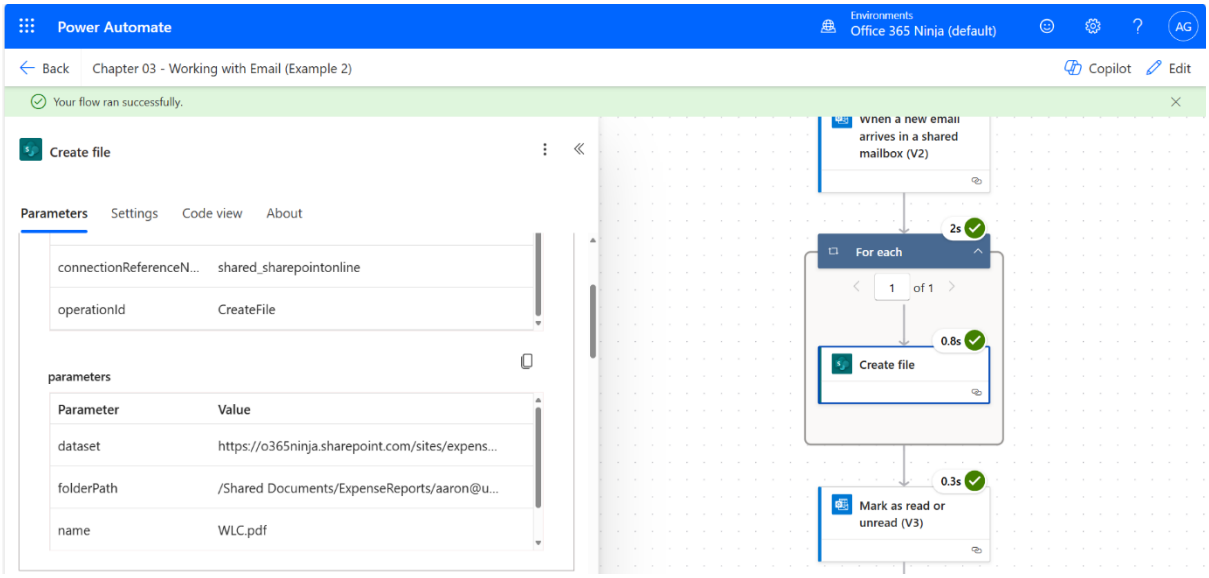

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Send an email from a shared mailbox (V2)
Parameters
Settings
Code view
Testing
About
Original Mailbox Address *
Switch to Advanced Mode
expensereports
Enter part of a name or email address to find more people
To *
Switch to Advanced Mode
Enter part of a name or email address to find people
Mark as read or unread (V3)
Flag email (V2)
Send an email from a shared mailbox (V2)

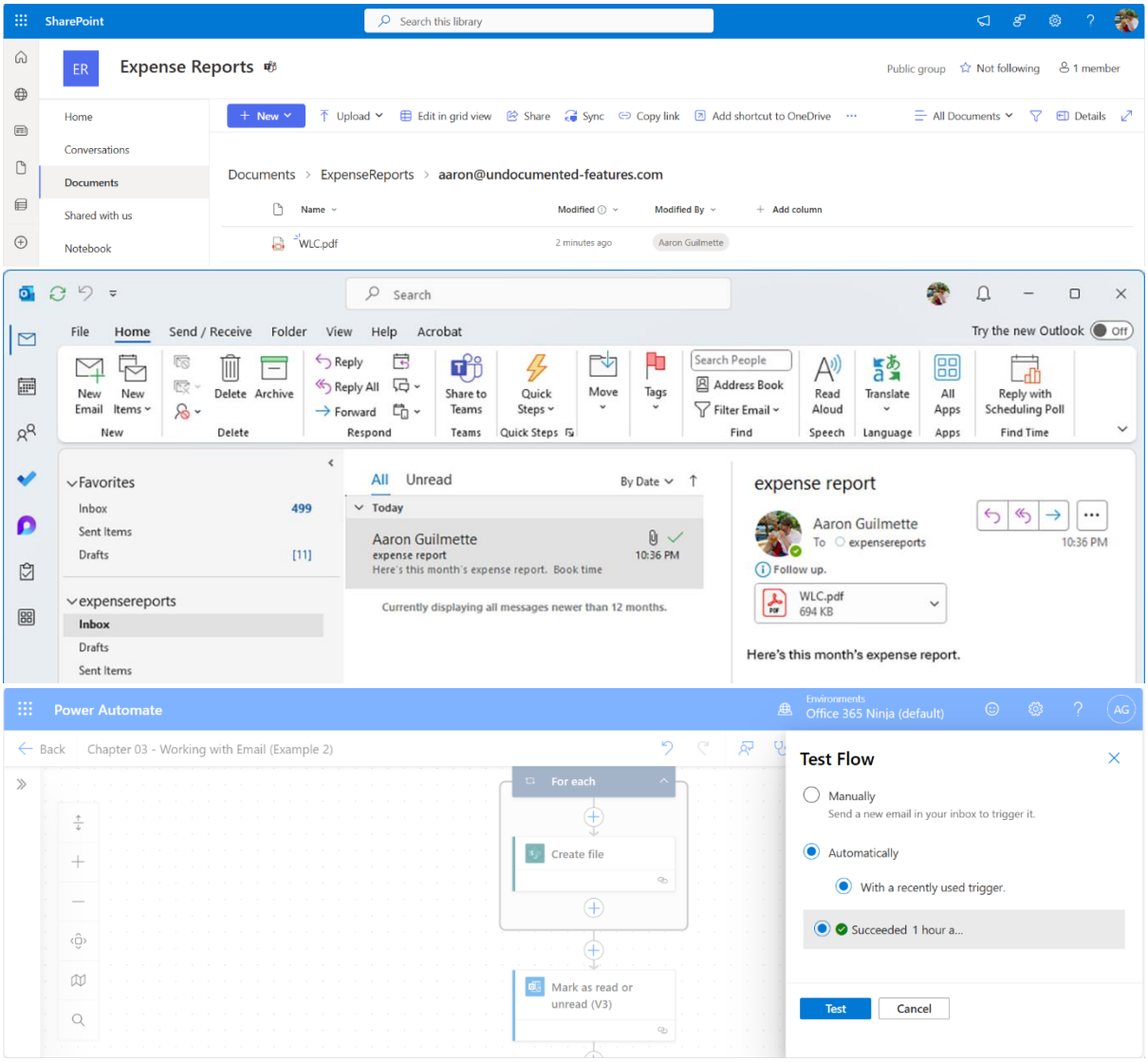

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Send an email from a shared mailbox (V2)
Parameters
Settings
Code view
Testing
About
Original Mailbox Address *
Switch to Advanced Mode
expensereports
Enter part of a name or email address to find more people
To *
Switch to Basic Mode
Specify email addresses separated by semicolons like someone@contoso.com
Subject *
Search
For each
Current item
When a new email arrives in a shared m...
See more (24)
From
The mailbox owner and sender of the message


Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Send an email from a shared mailbox (V2)
Parameters
Settings
Code view
Testing
About
Original Mailbox Address *
Switch to Advanced Mode
expensereports
Enter part of a name or email address to find more people
To *
Switch to Basic Mode
From
Subject *
Received:
Subject
Body *
Normal
Arial
15px
We have received your expense report and attachments.
Flag email (V2)
Send an email from a shared mailbox (V2)

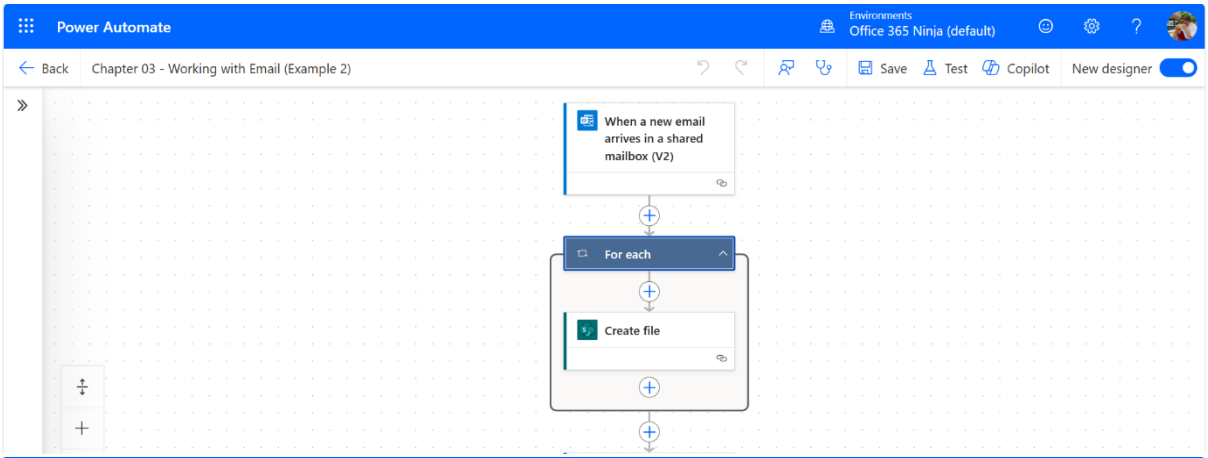

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Send an email from a shared mailbox (V2)
Parameters
Settings
Code view
Testing
About
Advanced parameters
Showing 6 of 6
Show all
Clear all
CC
Switch to Advanced Mode
Enter part of a name or email address to find people
BCC
Switch to Advanced Mode
Enter part of a name or email address to find people
Attachments
Add new item
Sensitivity
Sensitivity
Reply To
The email addresses to use when replying
Importance
For each
Create file
Mark as read or unread (V3)
Flag email (V2)
Send an email from a shared mailbox (V2)

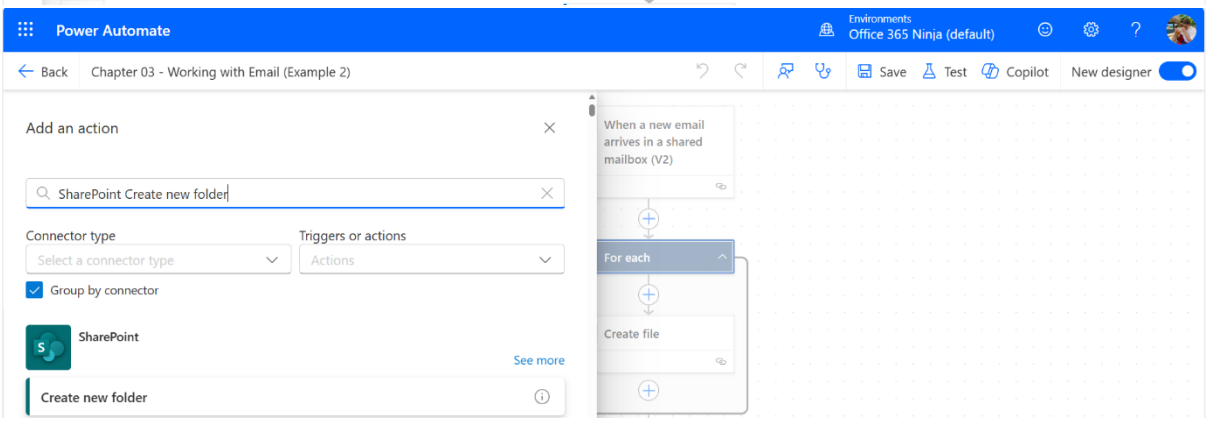

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Copilot
Edit
Your flow ran successfully.
1s
When a new email arrives in a shared mailbox (V2)
2s
For each
1
of 1
0.8s
Create file
0.3s
Mark as read or unread (V3)

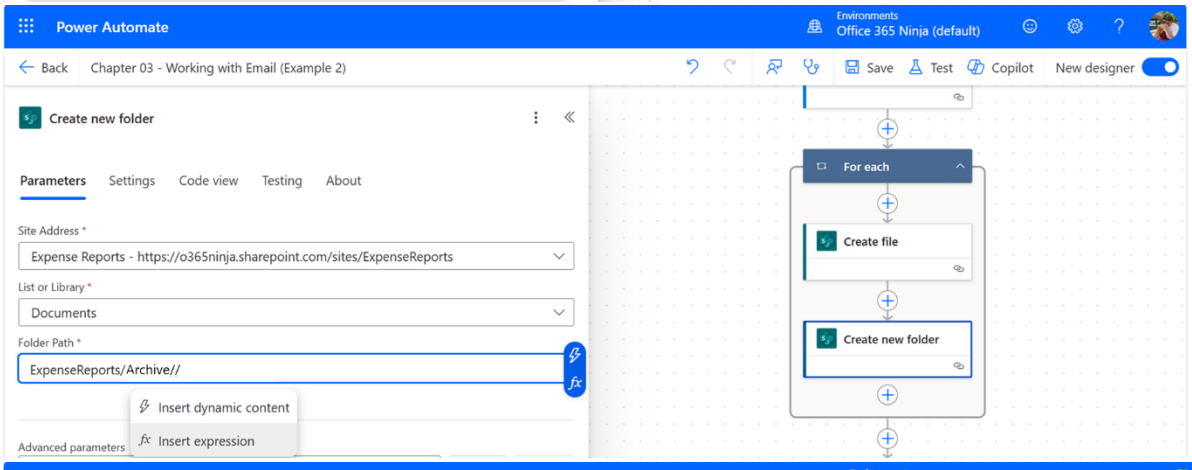

Power Automate
Environments
Office 365 Ninja (default)
AG
Back
Chapter 03 - Working with Email (Example 2)
Copilot
Edit
Your flow ran successfully.
Create file
Parameters
Settings
Code view
About
connectionReferenceN...
shared_sharepointonline
operationId
CreateFile
parameters
Parameter
Value
dataset
https://o365ninja.sharepoint.com/sites/expens...
folderPath
/Shared Documents/ExpenseReports/aaron@u...
name
WLC.pdf
When a new email arrives in a shared mailbox (V2)
2s
For each
1
of 1
0.8s
Create file
0.3s
Mark as read or unread (V3)

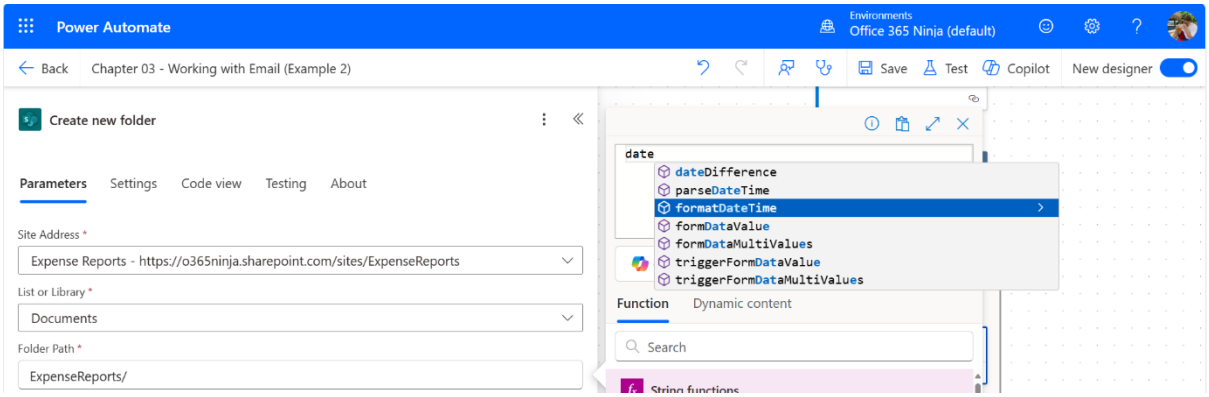

SharePoint
Search this library
ER
Expense Reports
Public group
Not following
1 member
Home
Conversations
Documents
Shared with us
Notebook
New
Upload
Edit in grid view
Share
Sync
Copy link
Add shortcut to OneDrive
All Documents
Details
Documents
ExpenseReports
aaron@undocumented-features.com
Name
Modified
Modified By
Add column
WLC.pdf
2 minutes ago
Aaron Guilmette
Search
File
Home
Send / Receive
Folder
View
Help
Acrobat
Try the new Outlook
Off
New Email
New Items
Delete
Archive
Reply
Reply All
Forward
Share to Teams
Quick Steps
Move
Tags
Search People
Address Book
Filter Email
Read Aloud
Translate
All Apps
Reply with Scheduling Poll
New
Delete
Respond
Teams
Quick Steps
Find
Speech
Language
Apps
Find Time
Favorites
Inbox 499
Sent Items
Drafts [11]
expensereports
Inbox
Drafts
Sent Items
All
Unread
By Date
Today
Aaron Guilmette
expense report
Here's this month's expense report. Book time
10:36 PM
Currently displaying all messages newer than 12 months.
expense report
Aaron Guilmette
To expensereports
10:36 PM
Follow up.
WLC.pdf
694 KB
Here's this month's expense report.
Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
For each
Create file
Mark as read or unread (V3)
Test Flow
Manually
Send a new email in your inbox to trigger it.
Automatically
With a recently used trigger.
Succeeded 1 hour a...
Test
Cancel

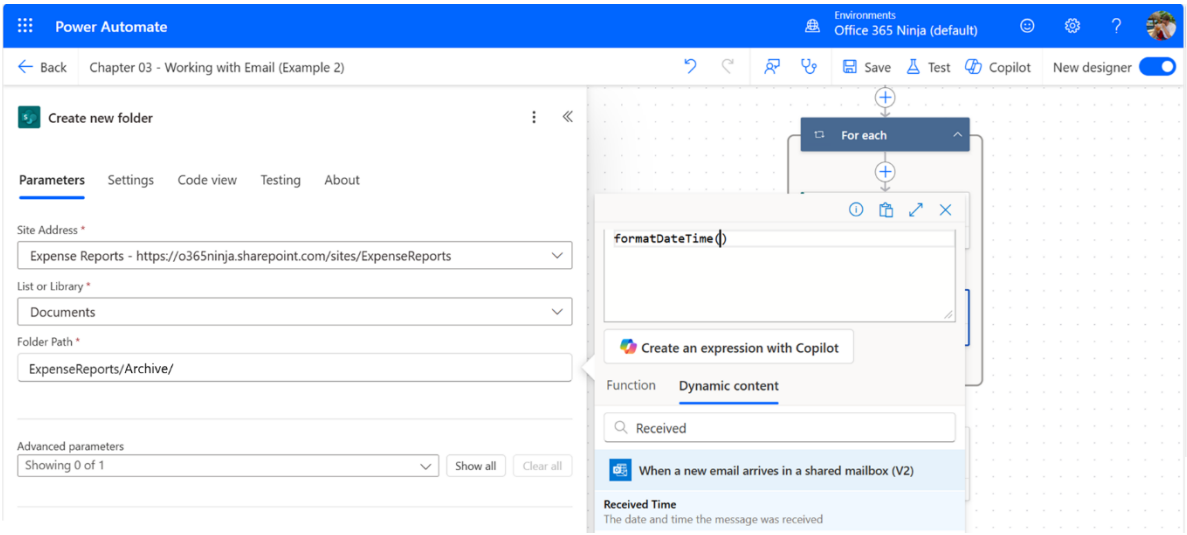
# Chapter 4: Copying Files

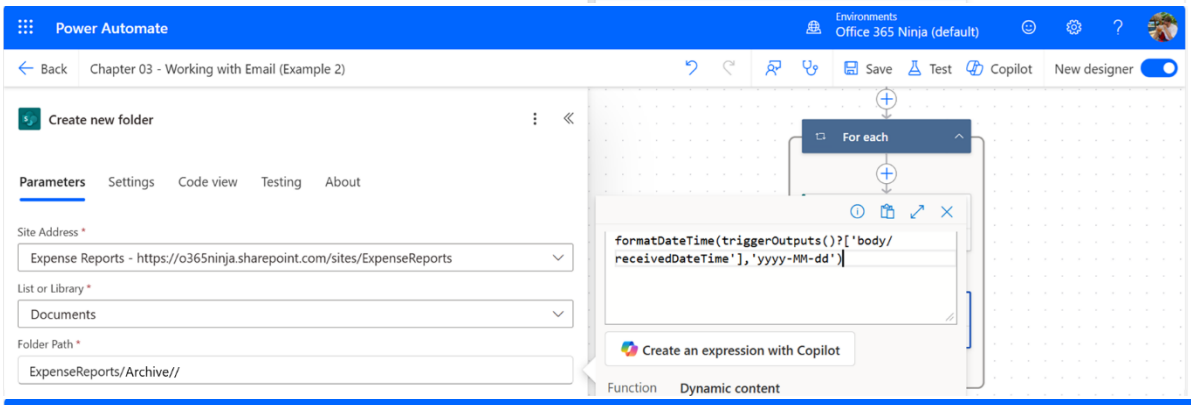


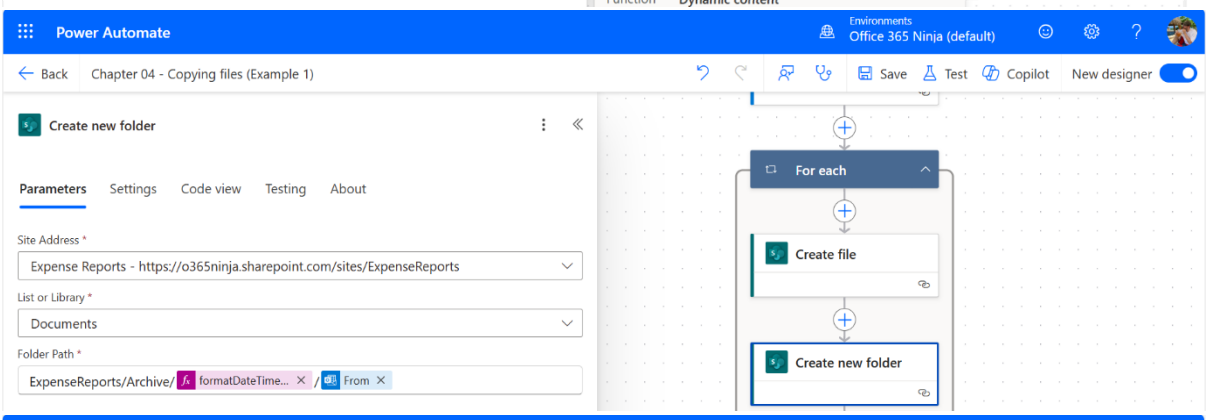



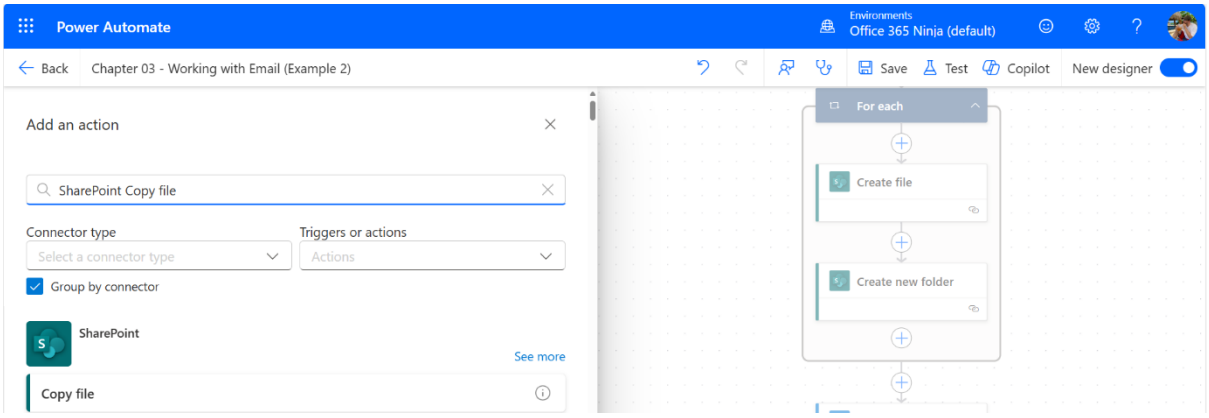



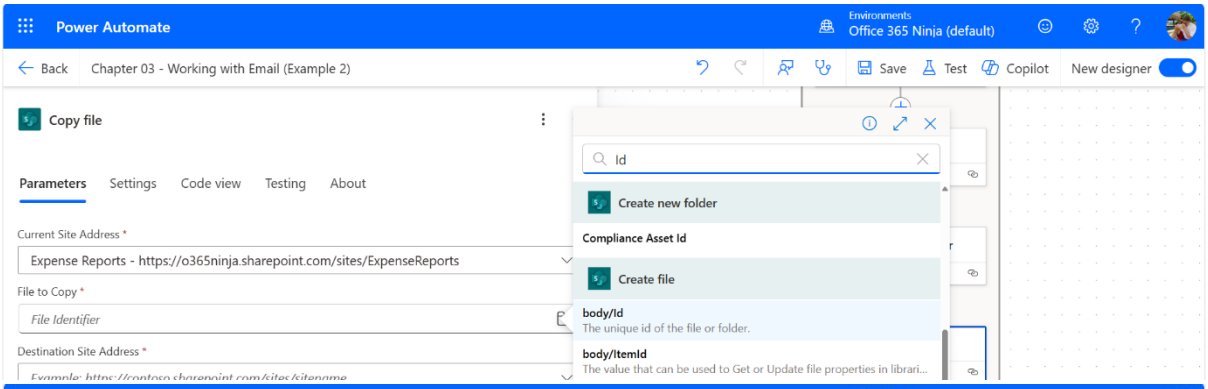



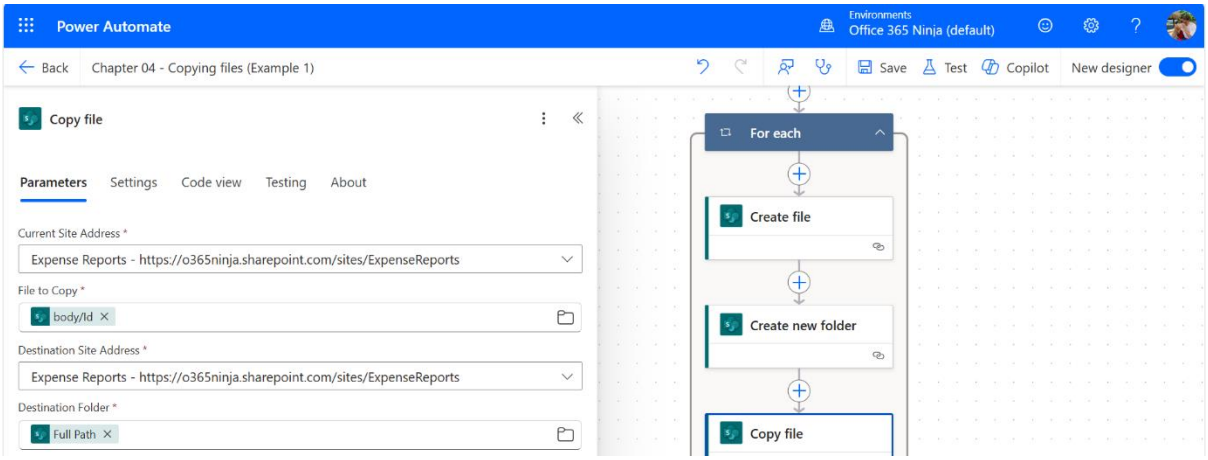

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Create new folder
Parameters
Settings
Code view
Testing
About
Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
List or Library *
Documents
Folder Path *
ExpenseReports/Archive/
Advanced parameters
Showing 0 of 1
Show all
Clear all
For each
formatDateTime()
Create an expression with Copilot
Function
Dynamic content
Received
When a new email arrives in a shared mailbox (V2)
Received Time
The date and time the message was received

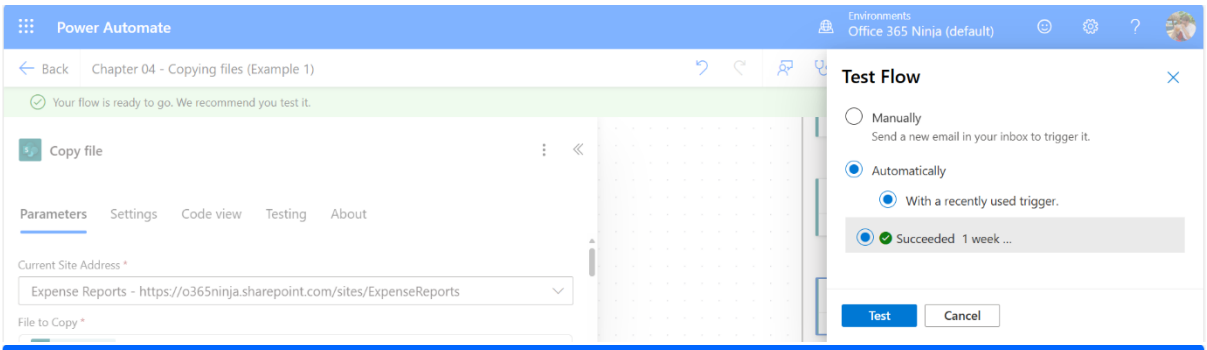

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Create new folder
Parameters
Settings
Code view
Testing
About
Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
List or Library *
Documents
Folder Path *
ExpenseReports/Archive//
For each
formatDateTime(triggerOutputs()?['body/
receivedDateTime'],'yyyy-MM-dd')
Create an expression with Copilot
Function
Dynamic content

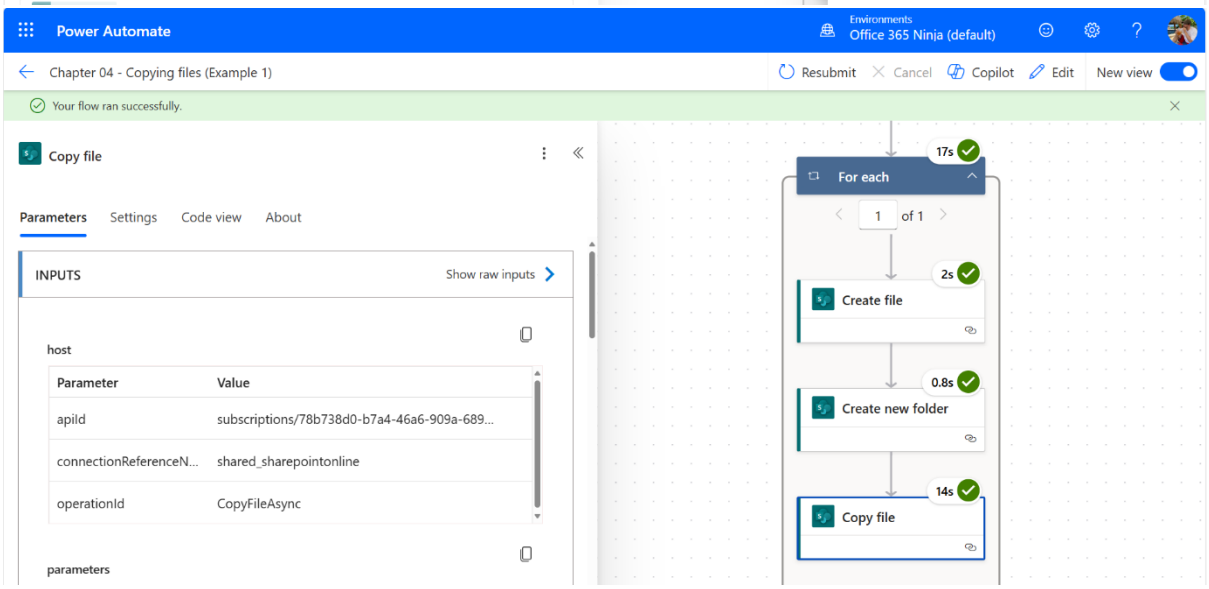

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copying files (Example 1)
Save
Test
Copilot
New designer
Create new folder
Parameters
Settings
Code view
Testing
About
Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
List or Library *
Documents
Folder Path *
ExpenseReports/Archive/
formatDateTime...
From
For each
Create file
Create new folder

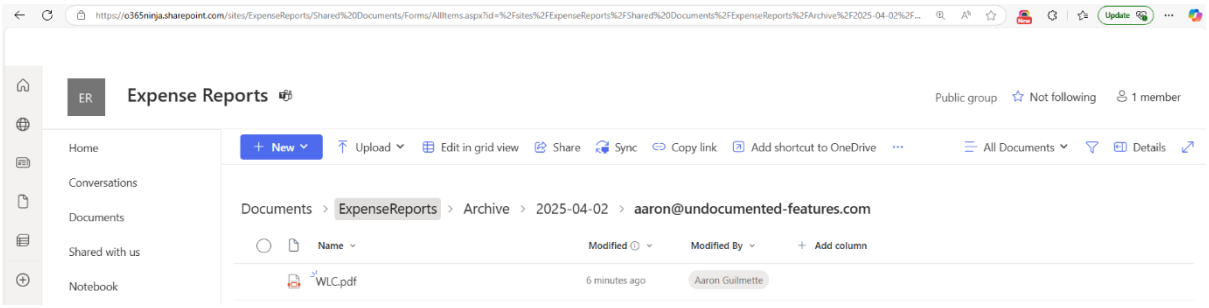

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Add an action
SharePoint Copy file
Connector type
Select a connector type
Triggers or actions
Actions
Group by connector
SharePoint
See more
Copy file
For each
Create file
Create new folder

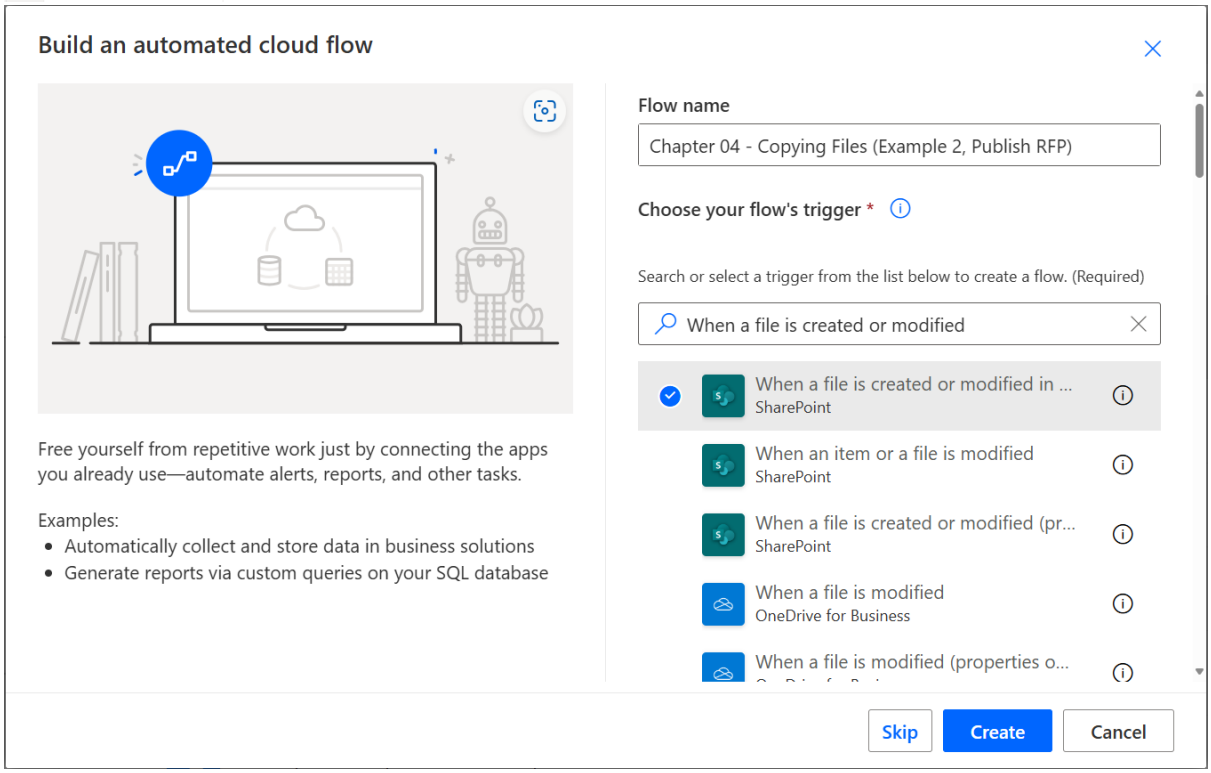

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 03 - Working with Email (Example 2)
Save
Test
Copilot
New designer
Copy file
Parameters
Settings
Code view
Testing
About
Current Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
File to Copy *
File Identifier
Destination Site Address *
Id
Create new folder
Compliance Asset Id
Create file
body/Id
The unique id of the file or folder.
body/ItemId
The value that can be used to Get or Update file properties in librari...

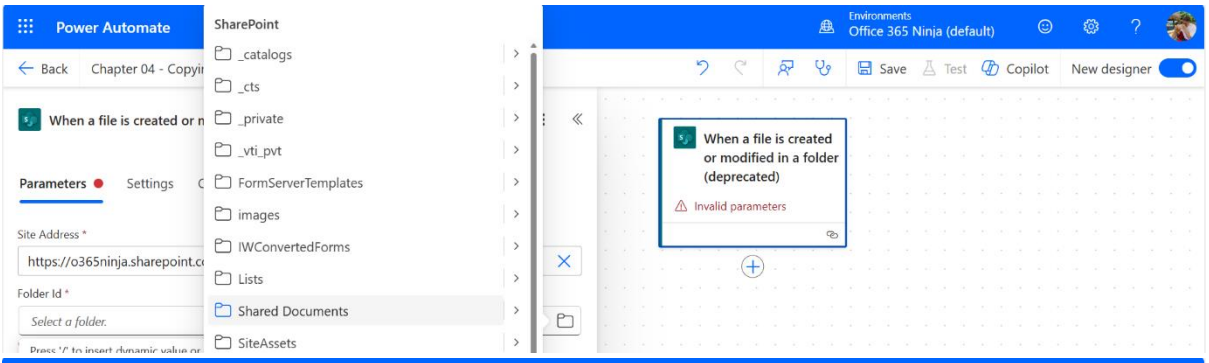

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copying files (Example 1)
Save
Test
Copilot
New designer
Copy file
Parameters
Settings
Code view
Testing
About
Current Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
File to Copy *
body/Id
Destination Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
Destination Folder *
Full Path
For each
Create file
Create new folder
Copy file

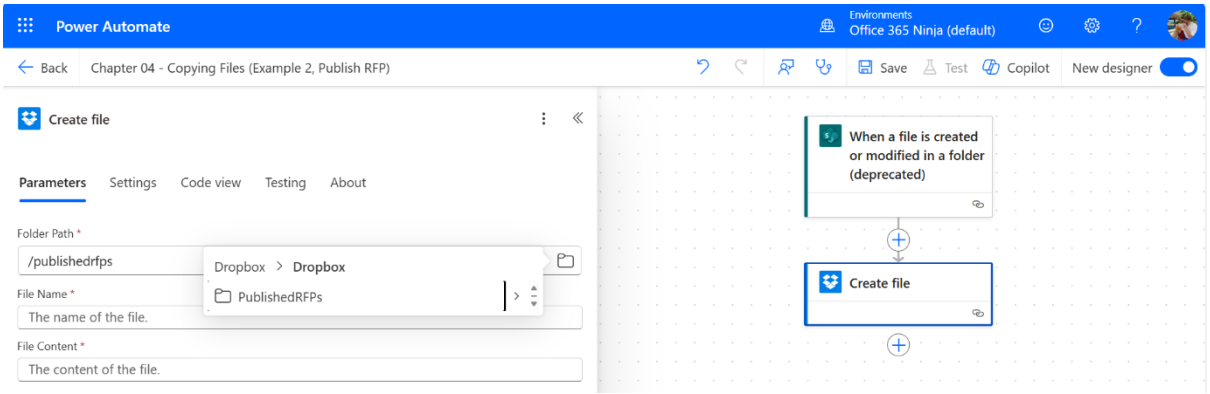

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copying files (Example 1)
Your flow is ready to go. We recommend you test it.
Copy file
Parameters
Settings
Code view
Testing
About
Current Site Address *
Expense Reports - https://o365ninja.sharepoint.com/sites/ExpenseReports
File to Copy *
Test Flow
Manually
Send a new email in your inbox to trigger it.
Automatically
With a recently used trigger.
Succeeded 1 week ...
Test
Cancel

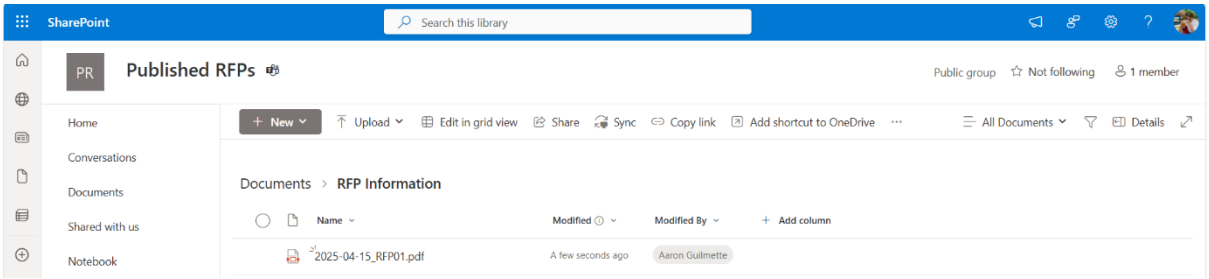

Power Automate
Environments
Office 365 Ninja (default)
Chapter 04 - Copying files (Example 1)
Resubmit
Cancel
Copilot
Edit
New view
Your flow ran successfully.
Copy file
Parameters
Settings
Code view
About
INPUTS
Show raw inputs
host
Parameter
Value
apiId
subscriptions/78b738d0-b7a4-46a6-909a-689...
connectionReferenceN...
shared_sharepointonline
operationId
CopyFileAsync
parameters
17s
For each
1
of 1
2s
Create file
0.8s
Create new folder
14s
Copy file

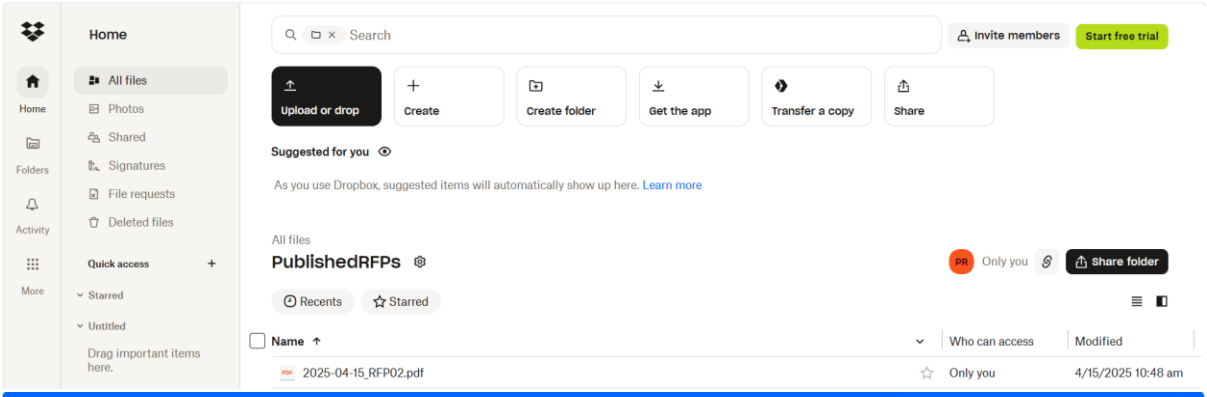

ER
Expense Reports
Public group
Not following
1 member
Home
Conversations
Documents
Shared with us
Notebook
New
Upload
Edit in grid view
Share
Sync
Copy link
Add shortcut to OneDrive
All Documents
Details
Documents
ExpenseReports
Archive
2025-04-02
aaron@undocumented-features.com
Name
Modified
Modified By
Add column
WLC.pdf
6 minutes ago
Aaron Guilmette

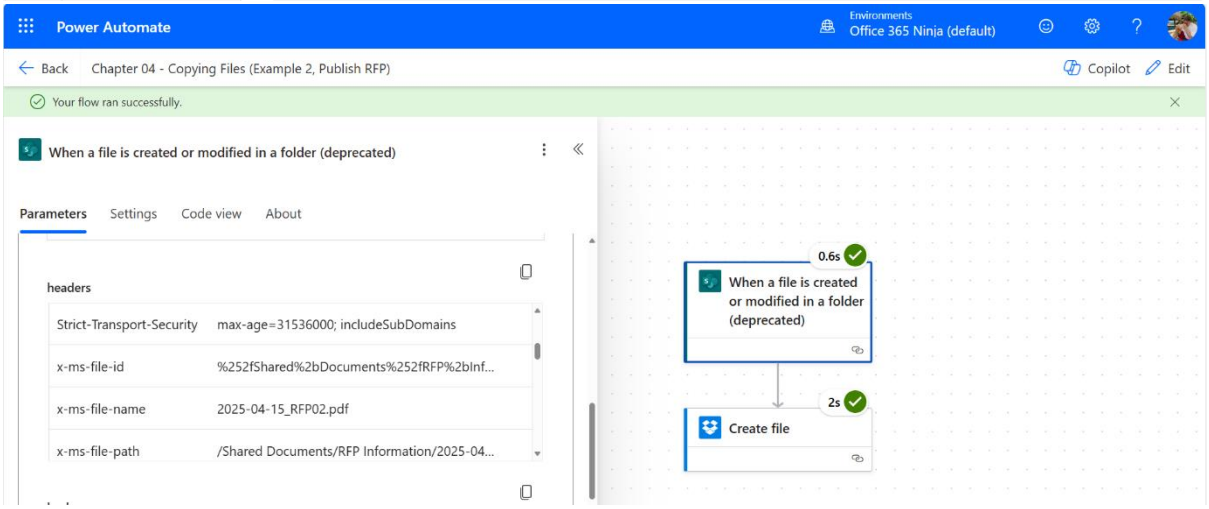

Build an automated cloud flow
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Flow name
Chapter 04 - Copying Files (Example 2, Publish RFP)
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
When a file is created or modified
When a file is created or modified in ...
SharePoint
When an item or a file is modified
SharePoint
When a file is created or modified (pr...
SharePoint
When a file is modified
OneDrive for Business
When a file is modified (properties o...
Skip
Create
Cancel


Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copyi
Save
Test
Copilot
New designer
When a file is created or n
Parameters
Settings
Site Address *
https://o365ninja.sharepoint.c
Folder Id *
Select a folder.
SharePoint
_catalogs
_cts
_private
_vti_pvt
FormServerTemplates
images
IWConvertedForms
Lists
Shared Documents
SiteAssets
When a file is created or modified in a folder (deprecated)
Invalid parameters

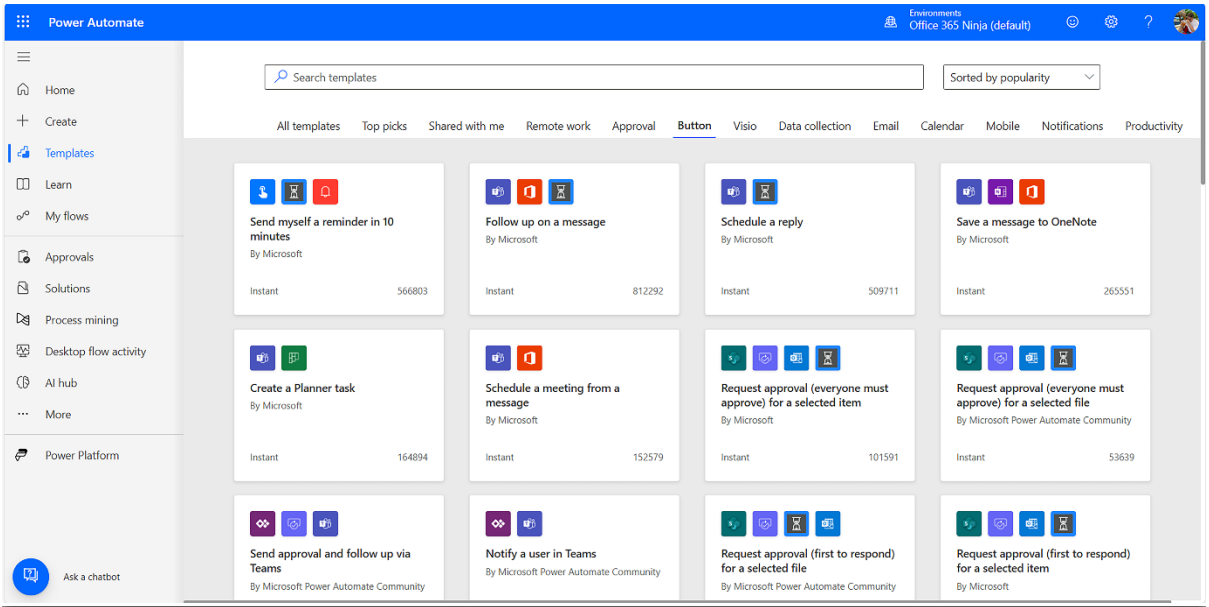

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copying Files (Example 2, Publish RFP)
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Folder Path *
/publishedrfps
Dropbox > Dropbox
PublishedRFPs
File Name *
The name of the file.
File Content *
The content of the file.
When a file is created or modified in a folder (deprecated)
Create file

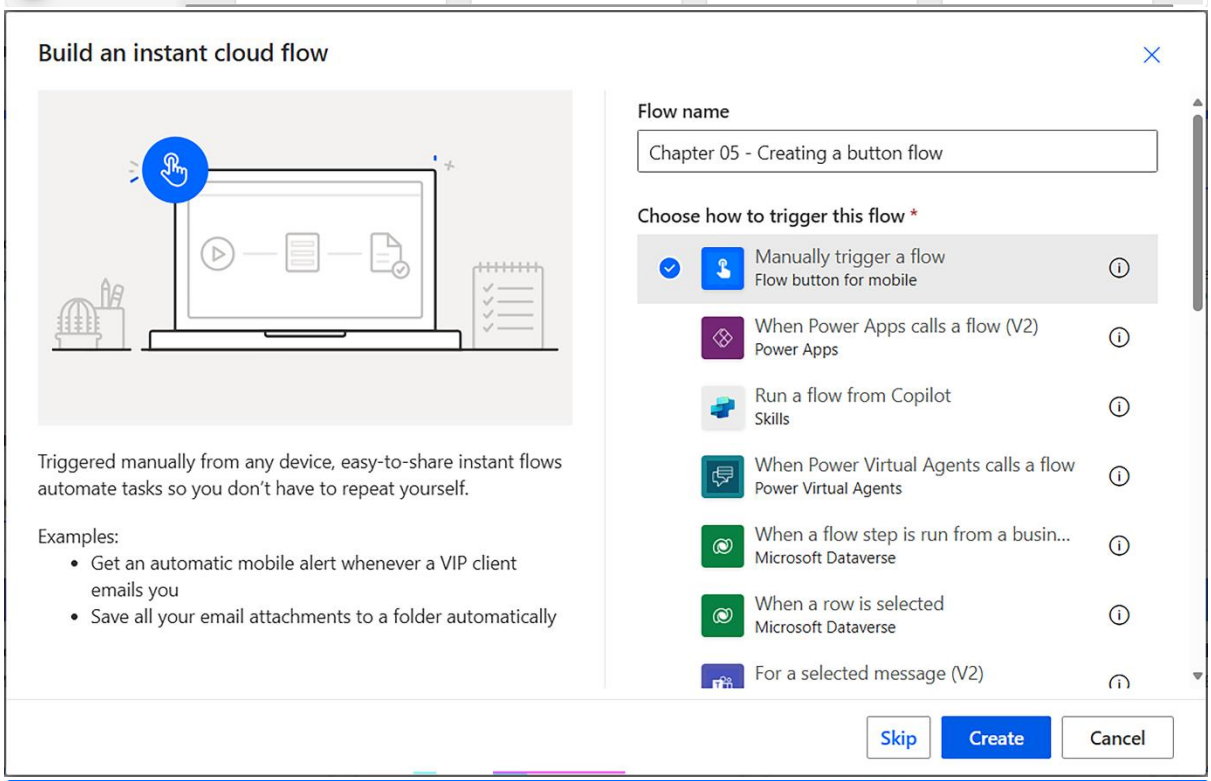

SharePoint
Search this library
PR
Published RFPs
Public group
Not following
1 member
Home
Conversations
Documents
Shared with us
Notebook
New
Upload
Edit in grid view
Share
Sync
Copy link
Add shortcut to OneDrive
All Documents
Details
Documents
RFP Information
Name
Modified
Modified By
Add column
2025-04-15_RFP01.pdf
A few seconds ago
Aaron Guilmette

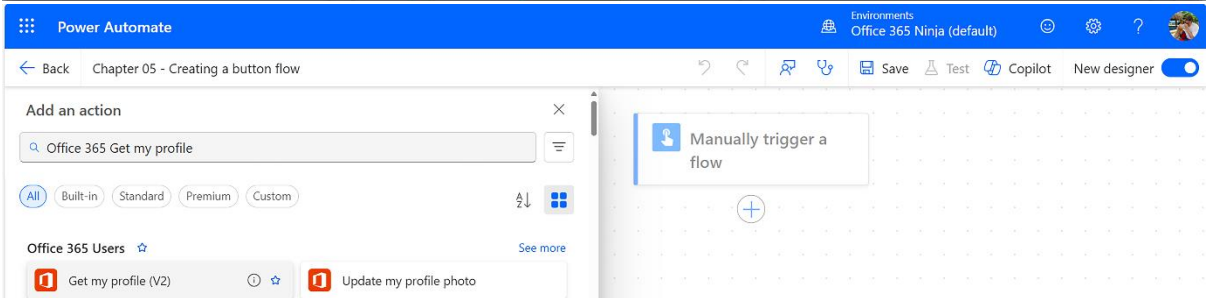

Home
Search
Invite members
Start free trial
Upload or drop
Create
Create folder
Get the app
Transfer a copy
Share
All files
Photos
Shared
Signatures
File requests
Deleted files
Quick access
Starred
Untitled
Drag important items here.
Suggested for you
As you use Dropbox, suggested items will automatically show up here. Learn more
All files
PublishedRFPs
Only you
Share folder
Recents
Starred
Name
Who can access
Modified
2025-04-15_RFP02.pdf
Only you
4/15/2025 10:48 am

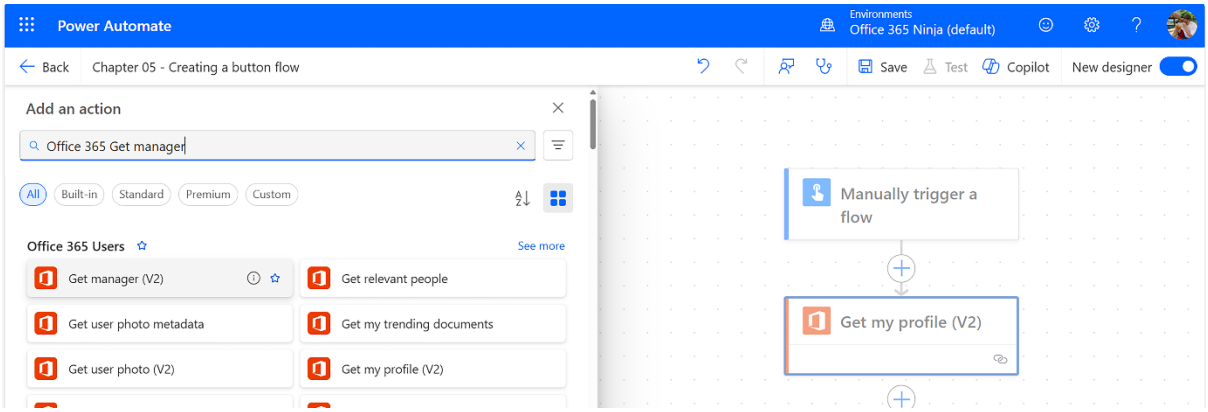

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 04 - Copying Files (Example 2, Publish RFP)
Copilot
Edit
Your flow ran successfully.
When a file is created or modified in a folder (deprecated)
Parameters
Settings
Code view
About
headers
Strict-Transport-Security
max-age=31536000; includeSubDomains
x-ms-file-id
%252fShared%2bDocuments%252fRFP%2bInf...
x-ms-file-name
2025-04-15_RFP02.pdf
x-ms-file-path
/Shared Documents/RFP Information/2025-04...
0.6s
When a file is created or modified in a folder (deprecated)
2s
Create file

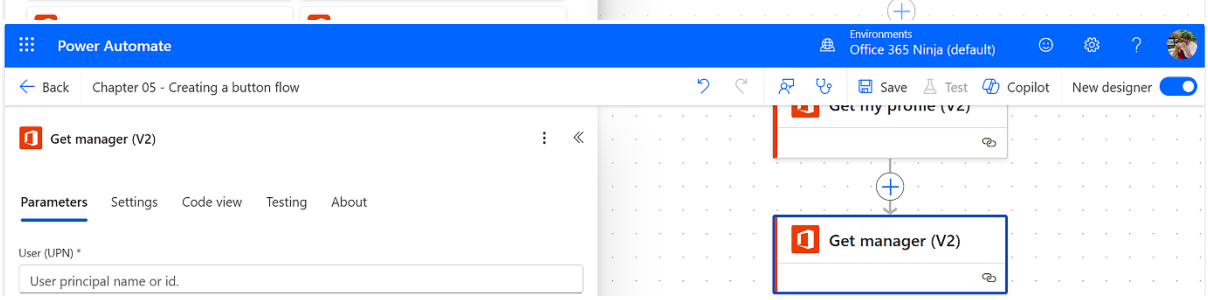
# Chapter 5: Creating Button Flows

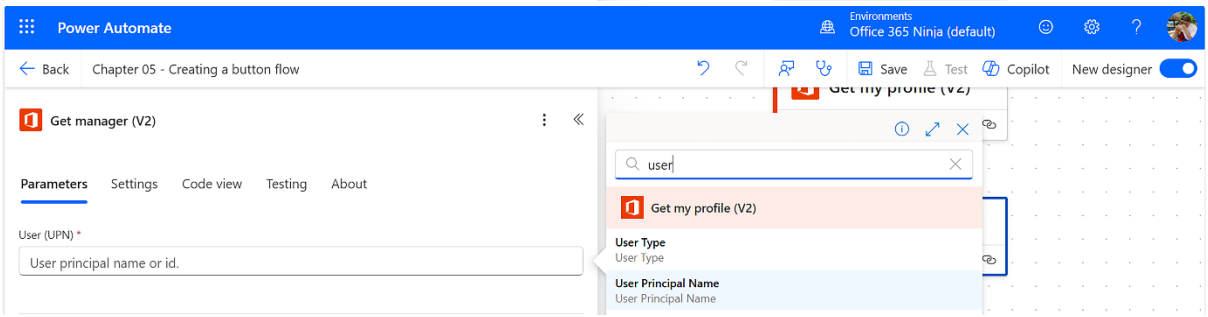


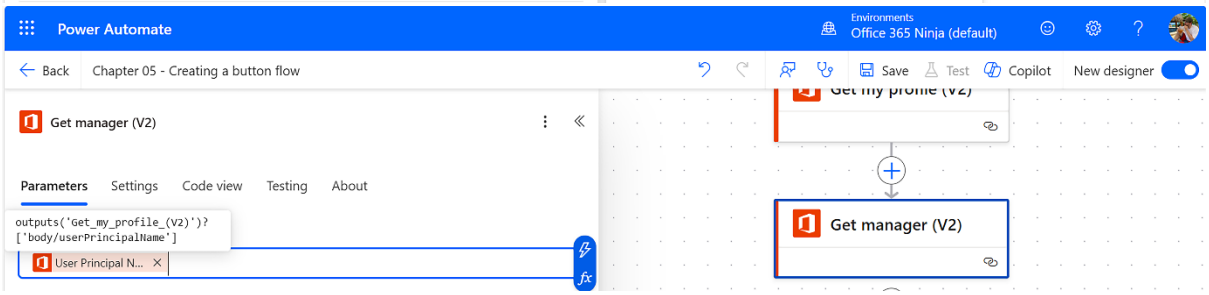



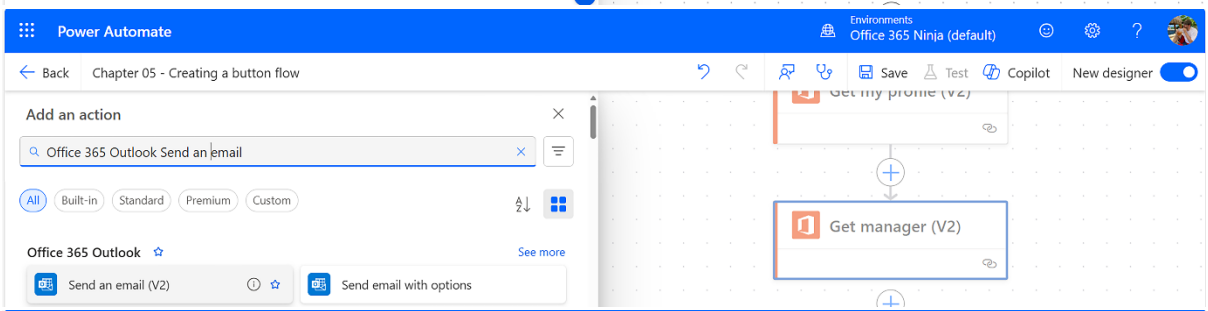



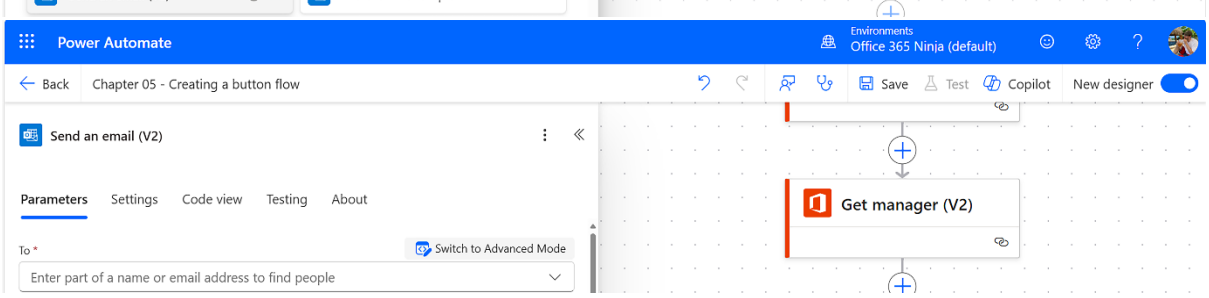

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Add an action
Office 365 Get manager
All
Built-in
Standard
Premium
Custom
Office 365 Users
See more
Get manager (V2)
Get relevant people
Get user photo metadata
Get my trending documents
Get user photo (V2)
Get my profile (V2)
Manually trigger a flow
Get my profile (V2)

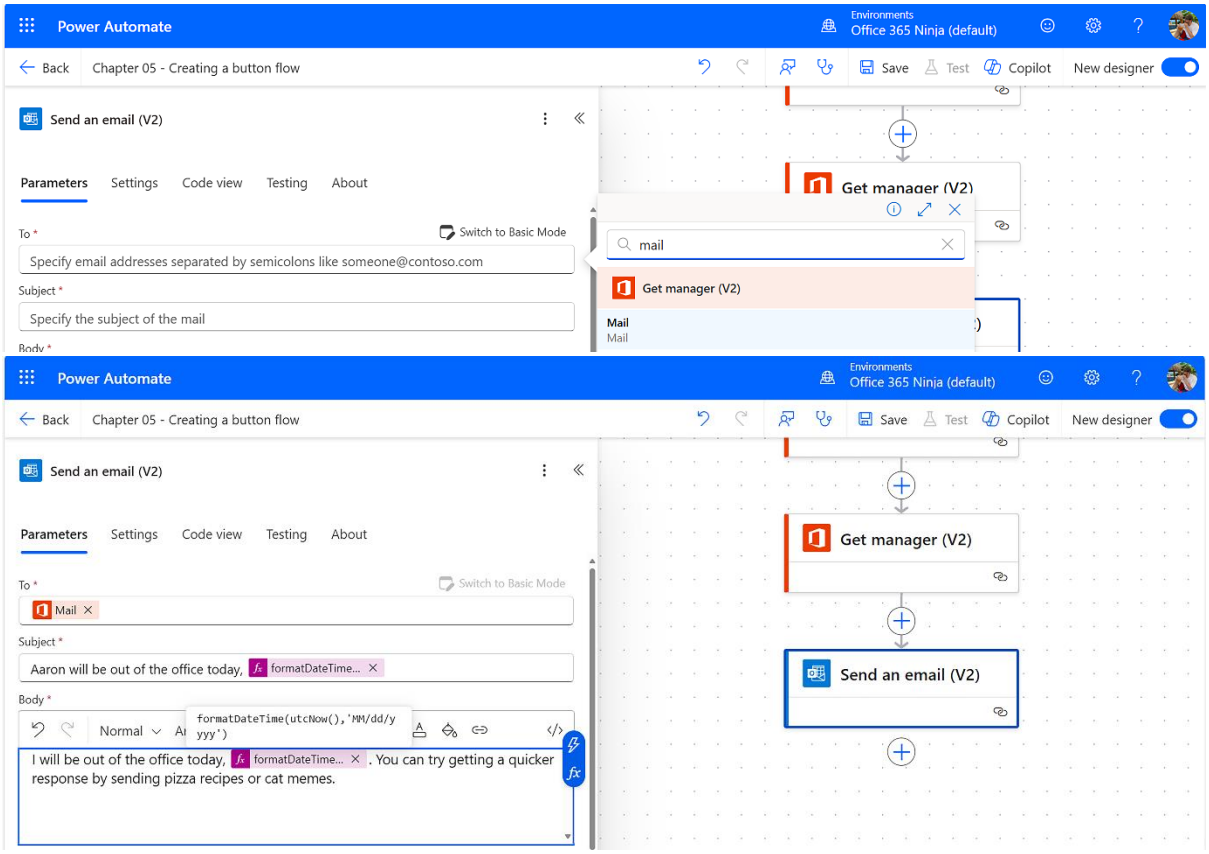

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
User (UPN) *
User principal name or id.
Get manager (V2)

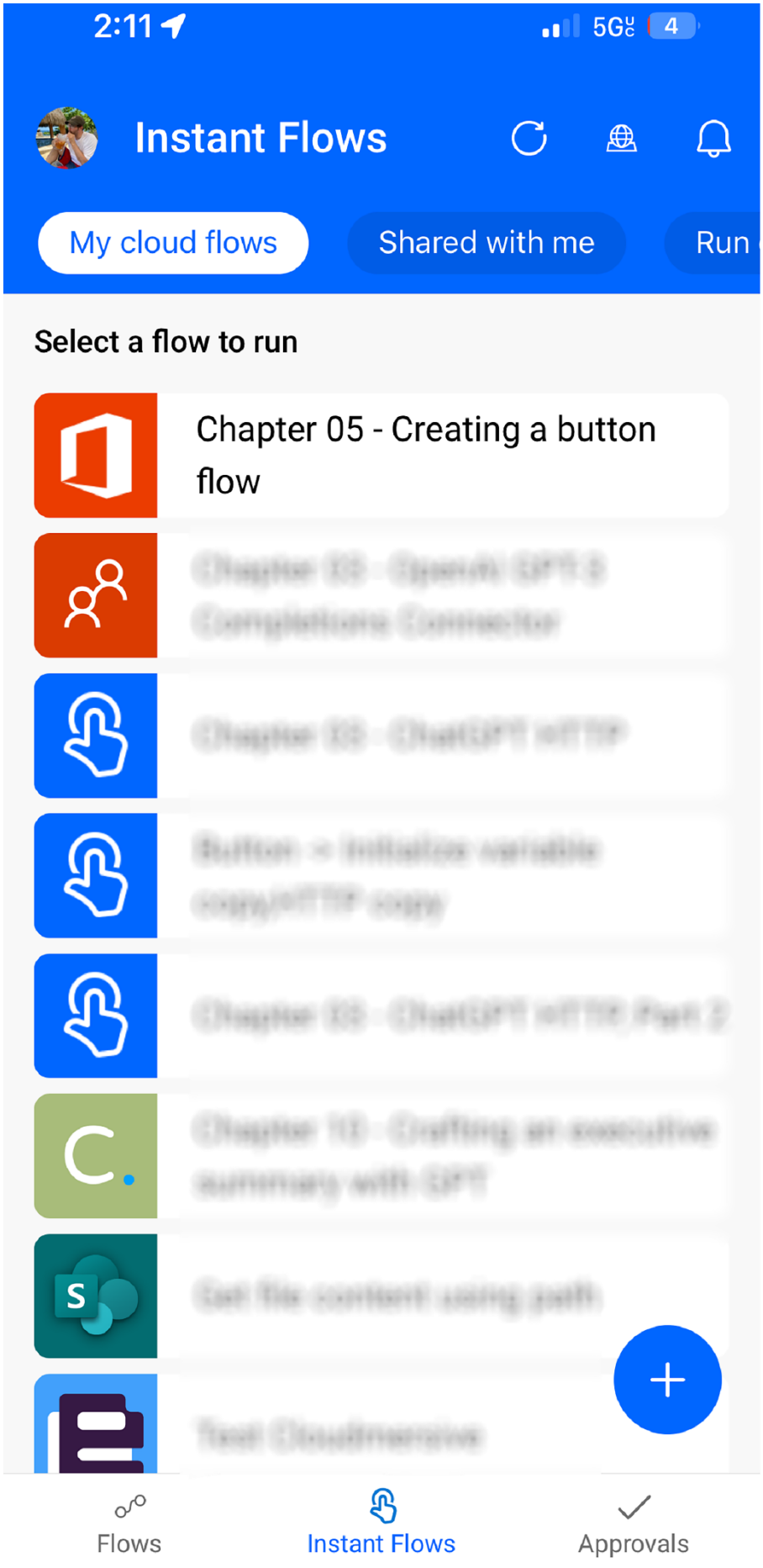

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
User (UPN) *
User principal name or id.
user
Get my profile (V2)
User Type
User Type
User Principal Name
User Principal Name

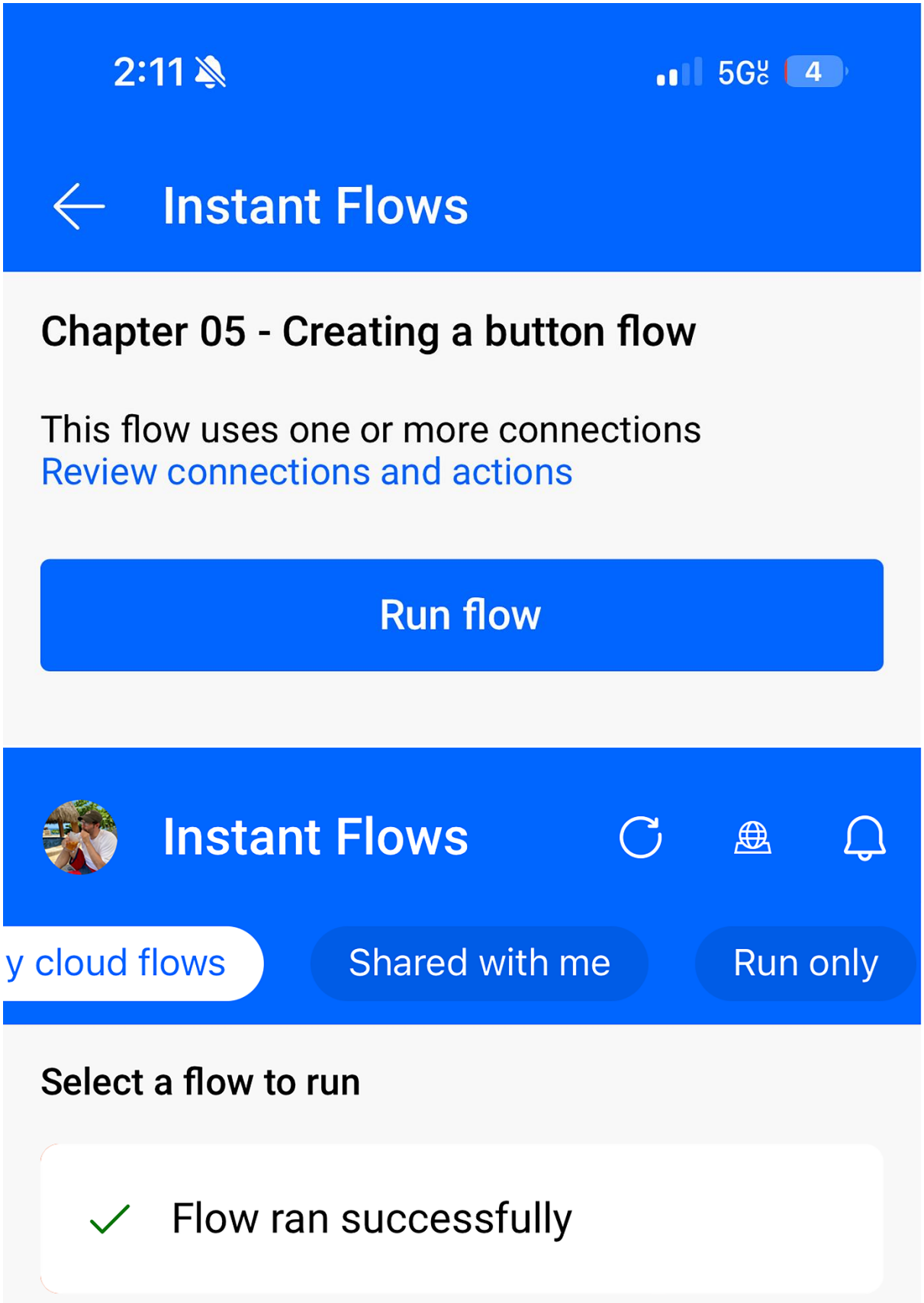

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
outputs('Get_my_profile_(V2)')?['body/userPrincipalName']
User Principal N...
Get manager (V2)

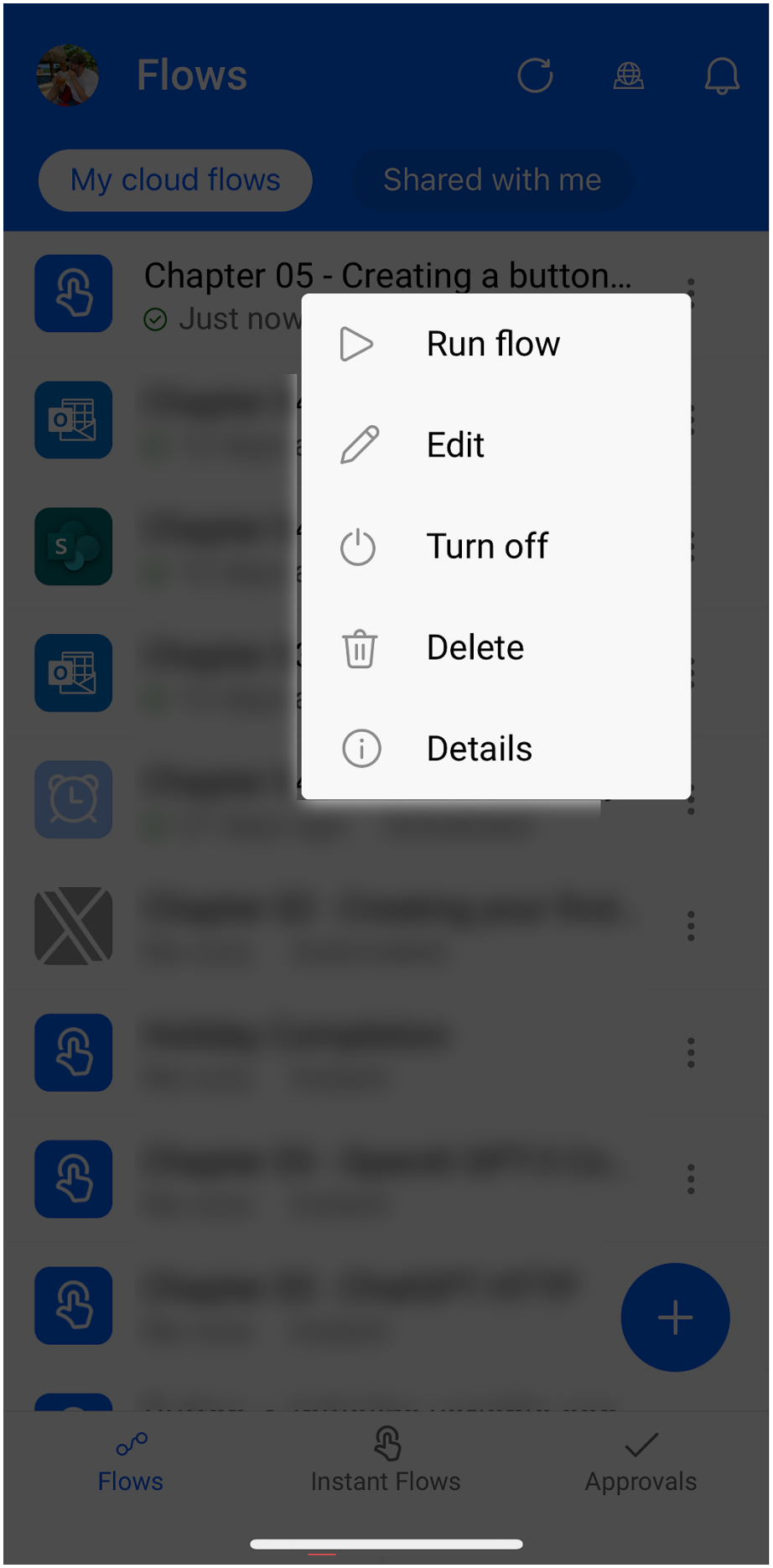

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Add an action
Office 365 Outlook Send an email
All
Built-in
Standard
Premium
Custom
Office 365 Outlook
See more
Send an email (V2)
Send email with options
Get manager (V2)

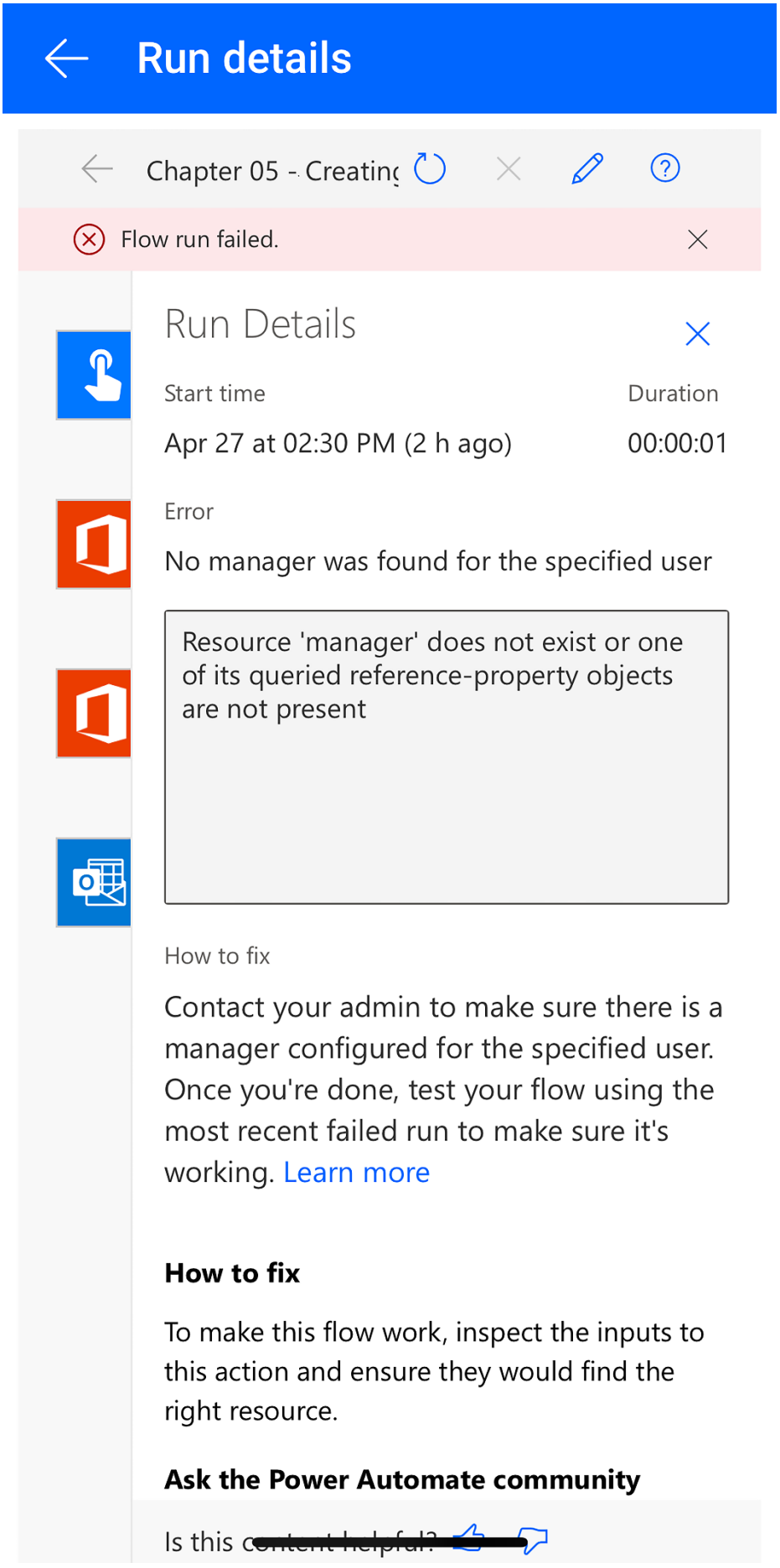

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Send an email (V2)
Parameters
Settings
Code view
Testing
About
To *
Switch to Advanced Mode
Enter part of a name or email address to find people
Get manager (V2)

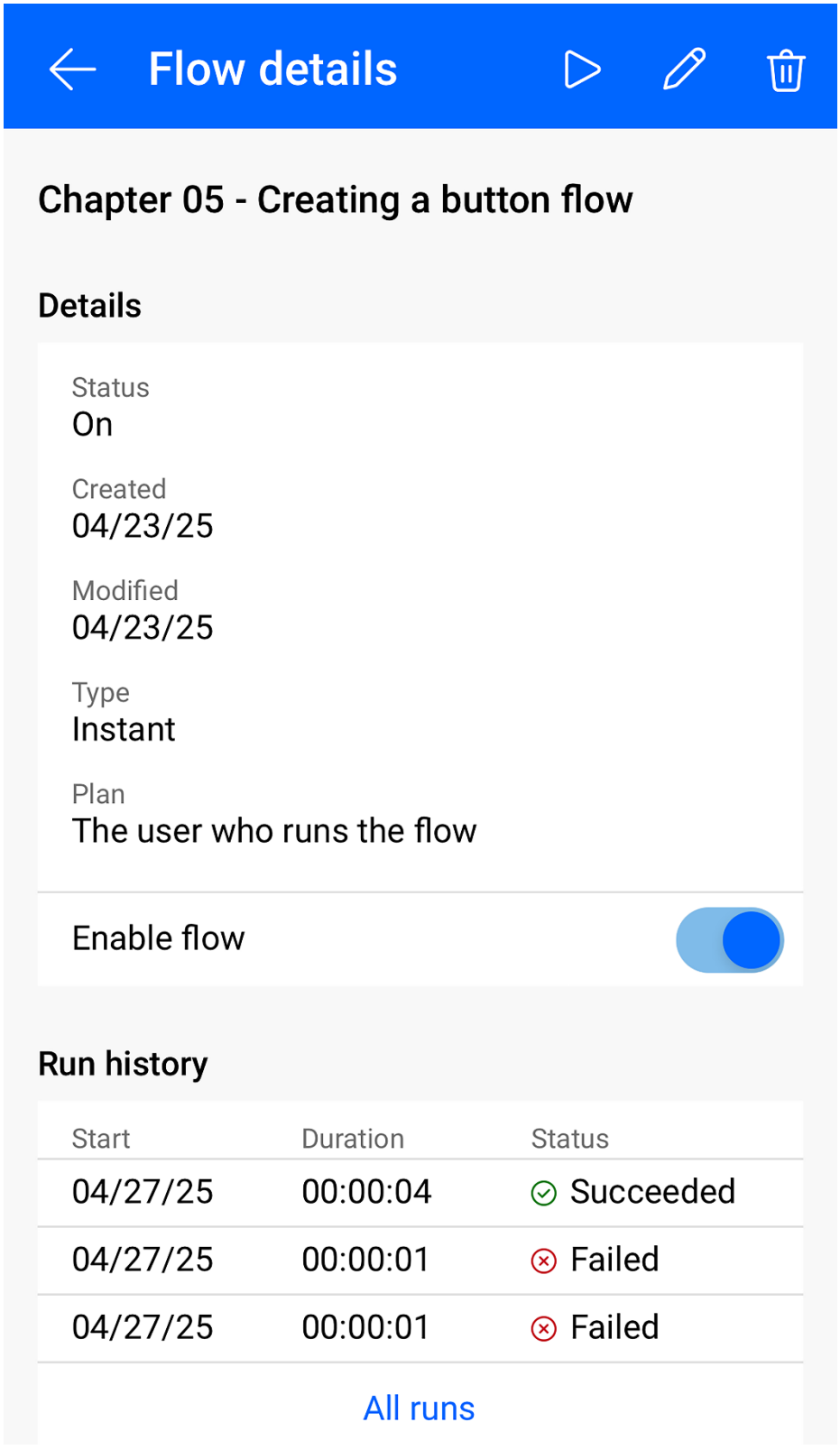

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Send an email (V2)
Parameters
Settings
Code view
Testing
About
To *
Switch to Basic Mode
Specify email addresses separated by semicolons like someone@contoso.com
Subject *
Specify the subject of the mail
Body *
Get manager (V2)
mail
Get manager (V2)
Mail
Mail
Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 05 - Creating a button flow
Save
Test
Copilot
New designer
Send an email (V2)
Parameters
Settings
Code view
Testing
About
To *
Switch to Basic Mode
Mail
Subject *
Aaron will be out of the office today,
formatDateTime...
Body *
Normal
formatDateTime(utcNow(),'MM/dd/yyyy')
I will be out of the office today,
formatDateTime...
. You can try getting a quicker response by sending pizza recipes or cat memes.
Get manager (V2)
Send an email (V2)


2:11
5G
4
Instant Flows
My cloud flows
Shared with me
Run
Select a flow to run
Chapter 05 - Creating a button flow
Flows
Instant Flows
Approvals

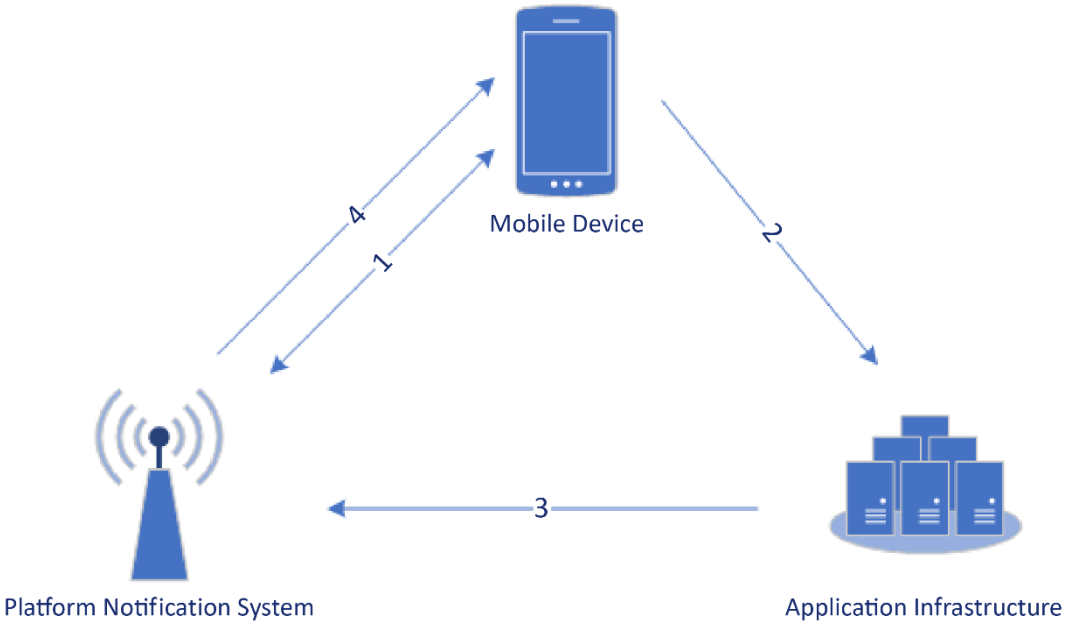

2:11
5G
4
Instant Flows
Chapter 05 - Creating a button flow
This flow uses one or more connections
Review connections and actions
Run flow
Instant Flows
y cloud flows
Shared with me
Run only
Select a flow to run
Flow ran successfully

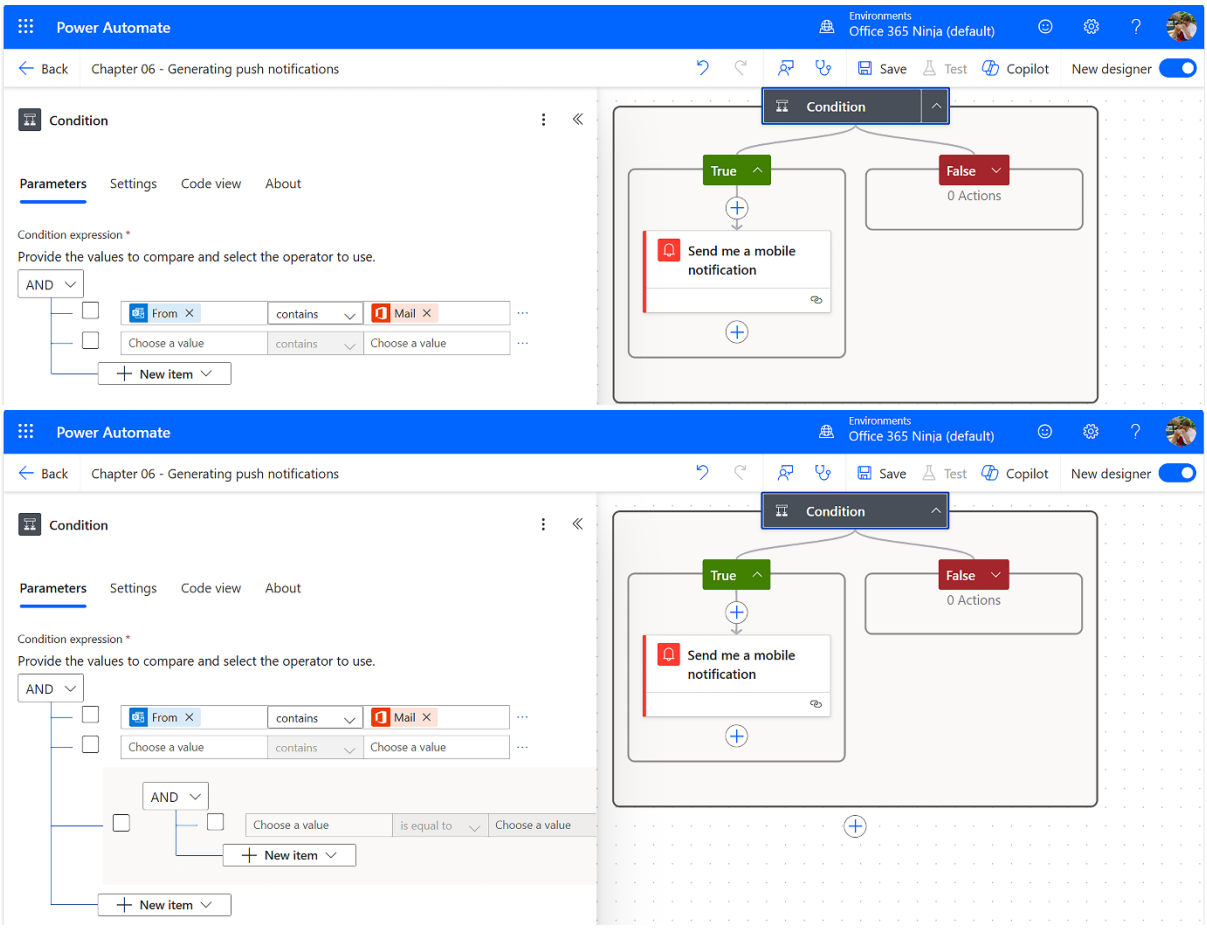

Flows
My cloud flows
Shared with me
Chapter 05 - Creating a button...
Just now
Run flow
Edit
Turn off
Delete
Details
Flows
Instant Flows
Approvals

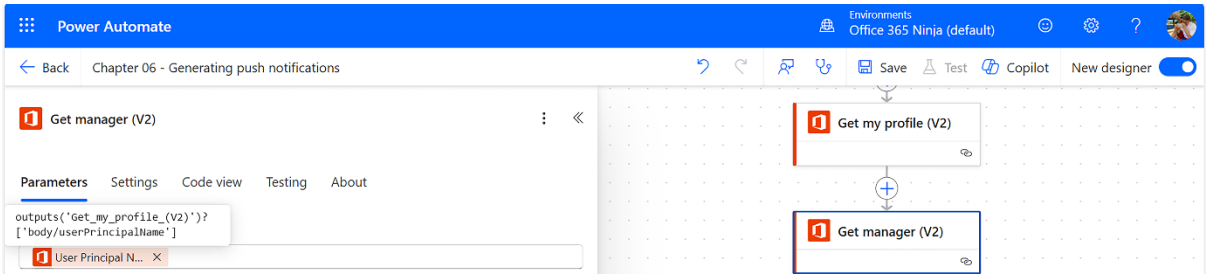

Run details
Chapter 05 - Creating
Flow run failed.
Run Details
Start time
Duration
Apr 27 at 02:30 PM (2 h ago)
00:00:01
Error
No manager was found for the specified user
Resource 'manager' does not exist or one of its queried reference-property objects are not present
How to fix
Contact your admin to make sure there is a manager configured for the specified user. Once you're done, test your flow using the most recent failed run to make sure it's working. Learn more
How to fix
To make this flow work, inspect the inputs to this action and ensure they would find the right resource.
Ask the Power Automate community
Is this content helpful?

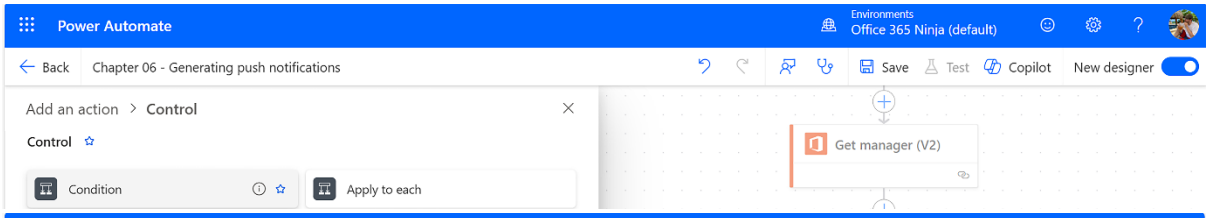

Flow details
Chapter 05 - Creating a button flow
Details
Status
On
Created
04/23/25
Modified
04/23/25
Type
Instant
Plan
The user who runs the flow
Enable flow
Run history
Start
Duration
Status
04/27/25
00:00:04
Succeeded
04/27/25
00:00:01
Failed
04/27/25
00:00:01
Failed
All runs

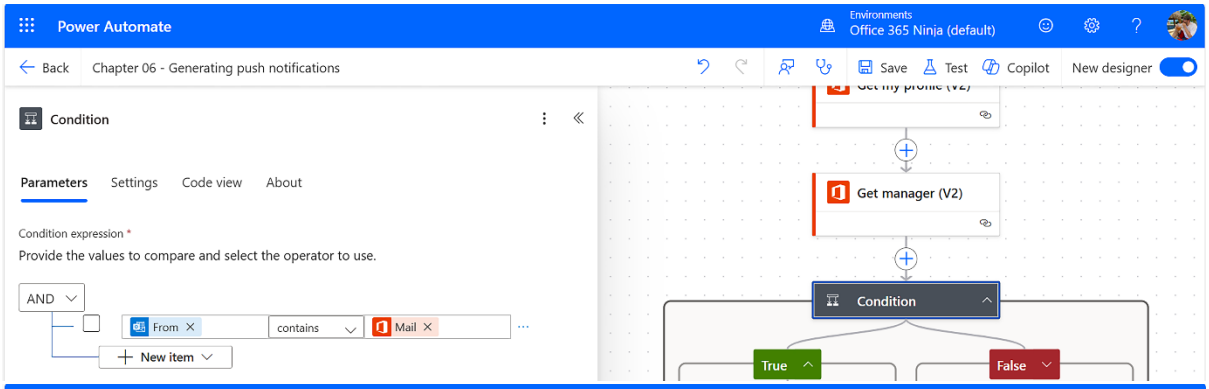
# Chapter 6: Generating Push Notifications

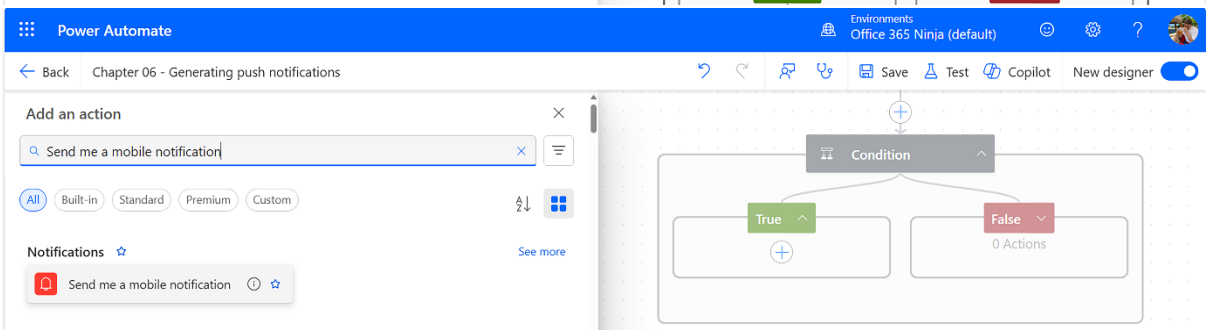


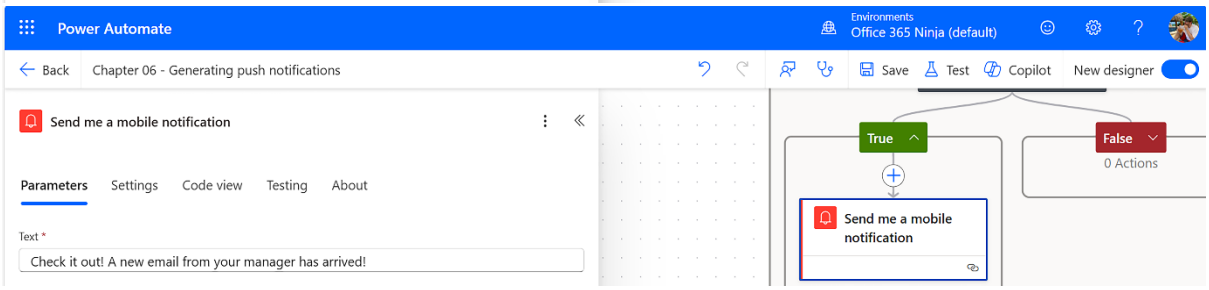



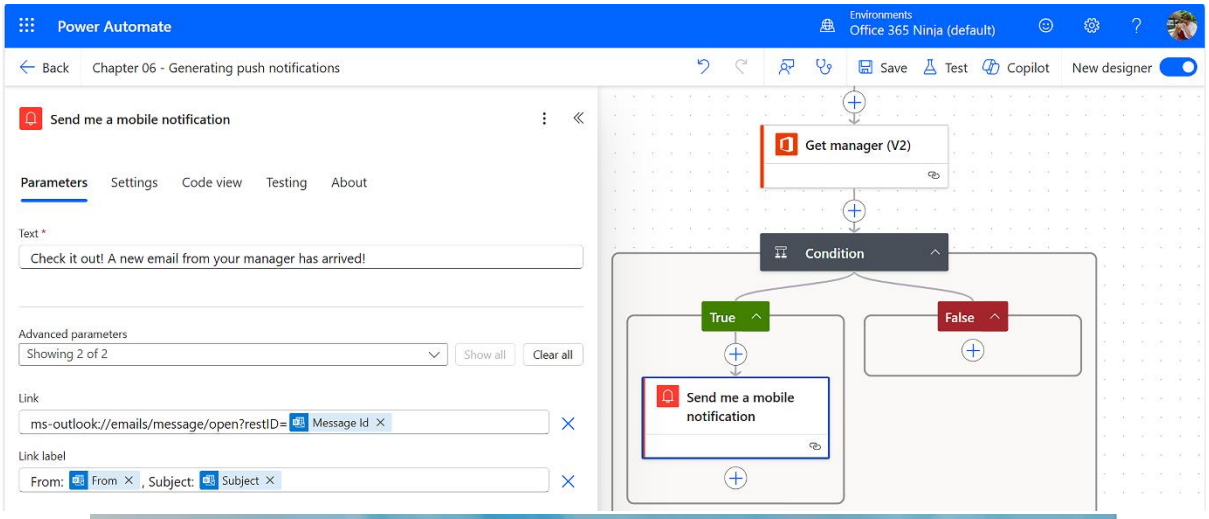

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
outputs('Get_my_profile_(V2)')?['body/userPrincipalName']
User Principal N...
Get my profile (V2)
Get manager (V2)

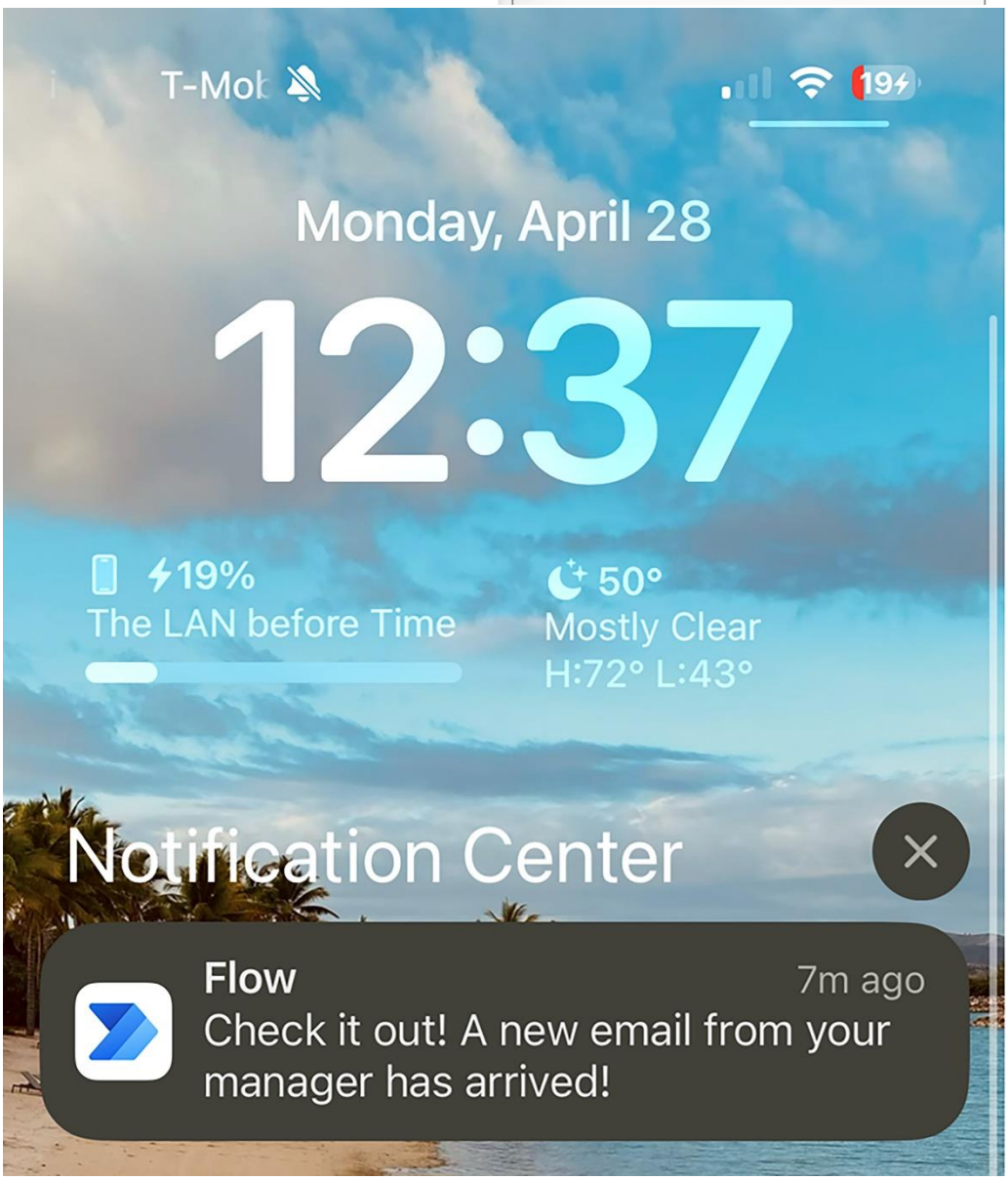

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Add an action
Control
Control
Condition
Apply to each
Get manager (V2)

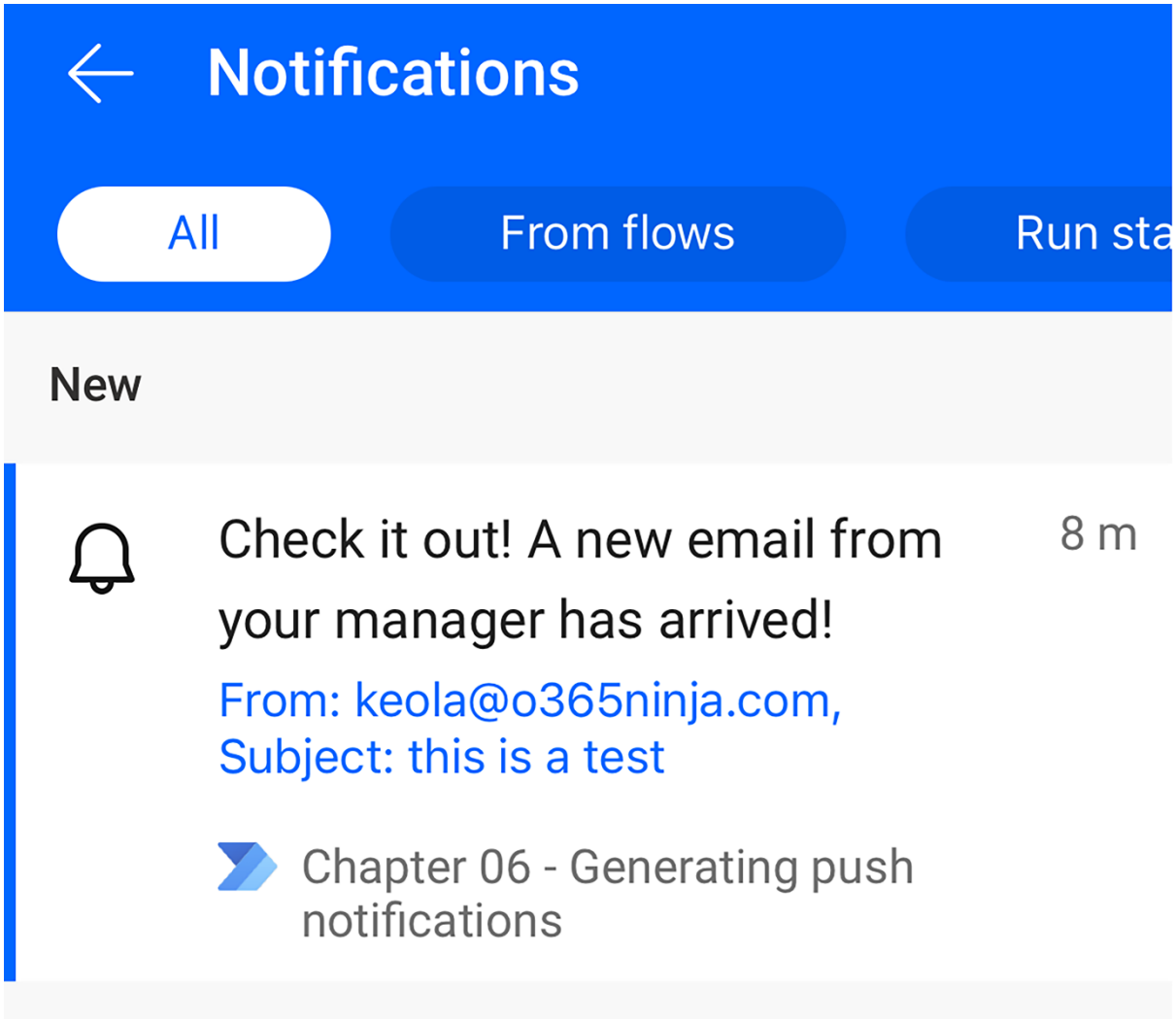

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
From
contains
Mail
New item
Get manager (V2)
Condition
True
False

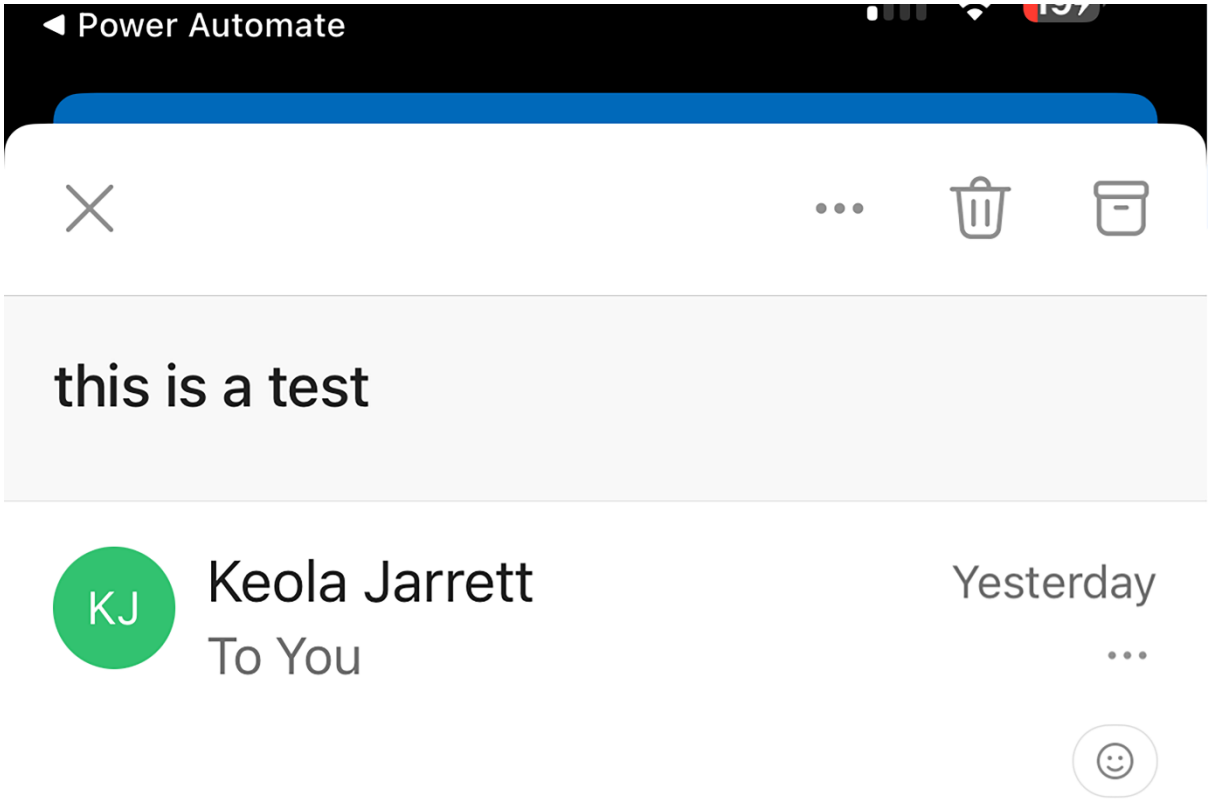

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Add an action
Send me a mobile notification
All
Built-in
Standard
Premium
Custom
Notifications
See more
Send me a mobile notification
Condition
True
False
0 Actions


Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Send me a mobile notification
Parameters
Settings
Code view
Testing
About
Text *
Check it out! A new email from your manager has arrived!
True
False
0 Actions
Send me a mobile notification

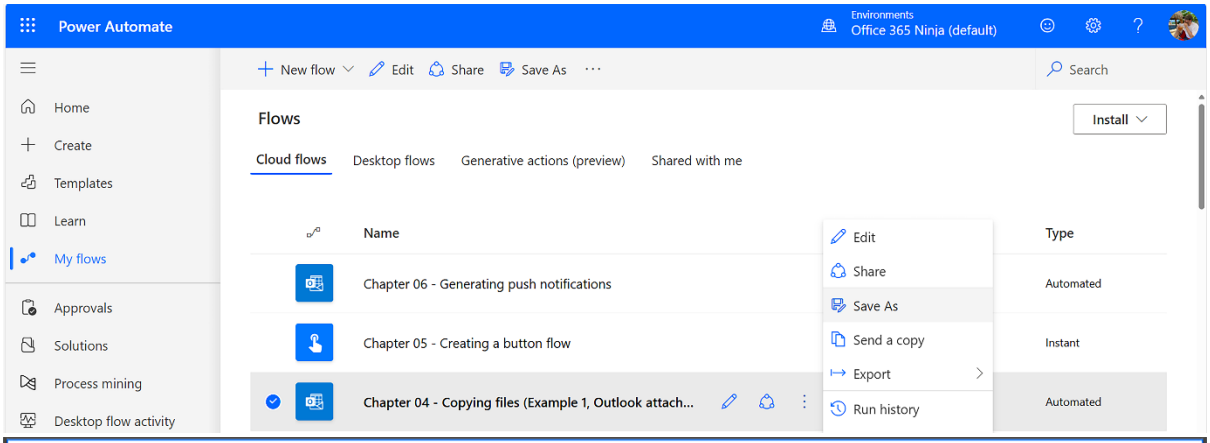

Power Automate
Environments
Office 365 Ninja (default)
Back
Chapter 06 - Generating push notifications
Save
Test
Copilot
New designer
Send me a mobile notification
Parameters
Settings
Code view
Testing
About
Text *
Check it out! A new email from your manager has arrived!
Advanced parameters
Showing 2 of 2
Show all
Clear all
Link
ms-outlook://emails/message/open?restID=
Message Id
Link label
From:
From
, Subject:
Subject
Get manager (V2)
Condition
True
False
Send me a mobile notification

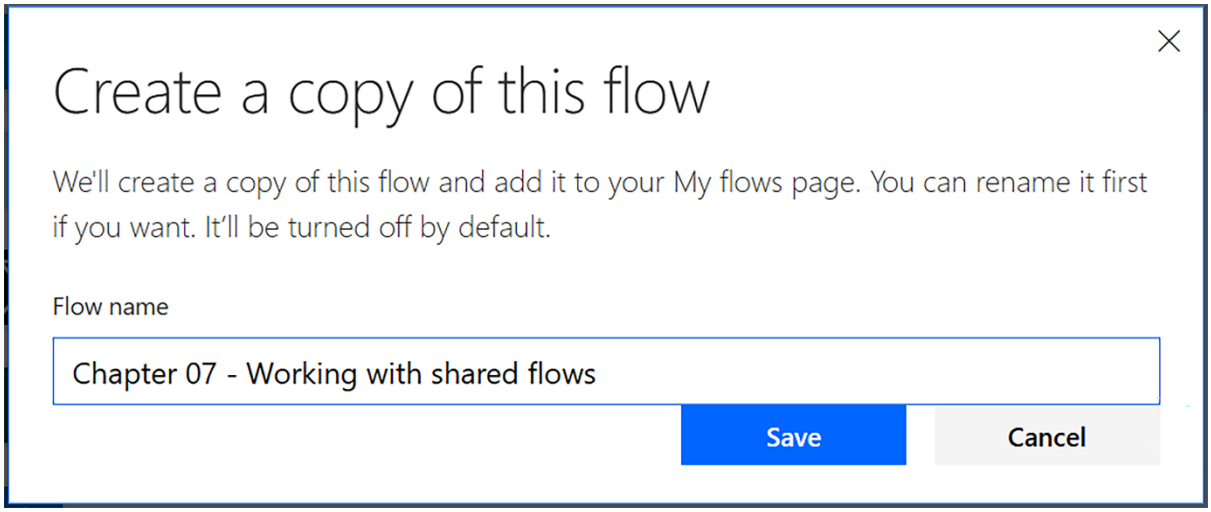

Monday, April 28
12:37
19%
The LAN before Time
50°
Mostly Clear
H:72° L:43°
Notification Center
Flow
7m ago
Check it out! A new email from your manager has arrived!

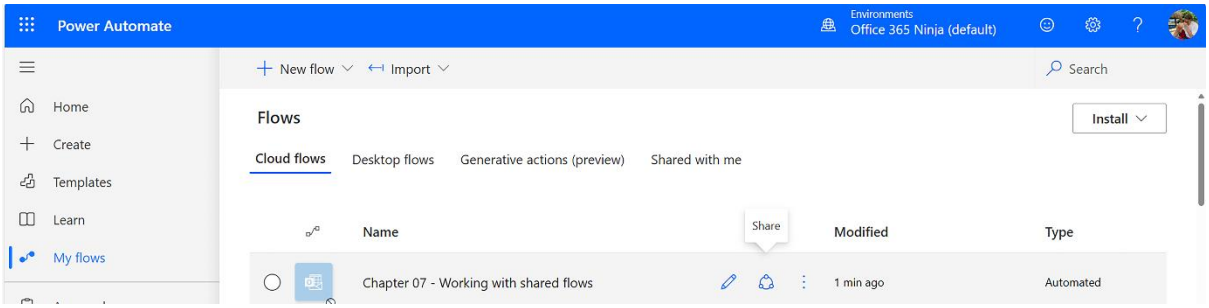

Notifications
All
From flows
Run sta
New
Check it out! A new email from your manager has arrived!
8 m
From: keola@o365ninja.com,
Subject: this is a test
Chapter 06 - Generating push notifications

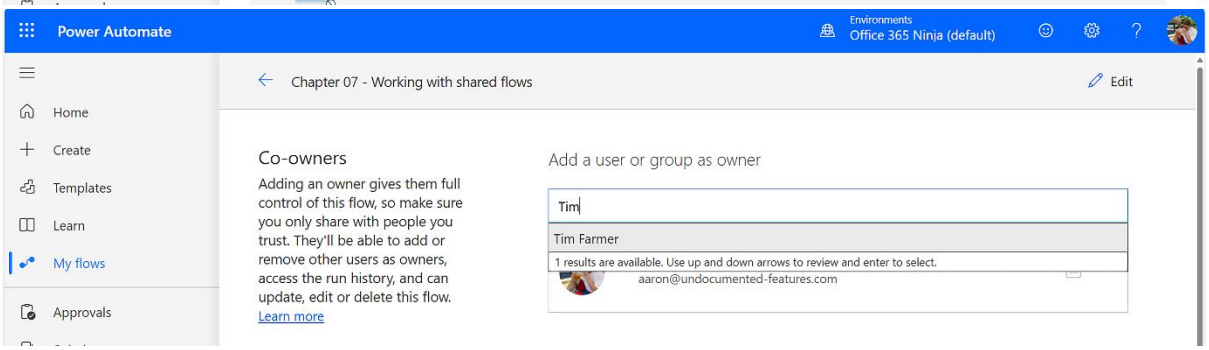

◀ Power Automate
this is a test
KJ
Keola Jarrett
To You
Yesterday

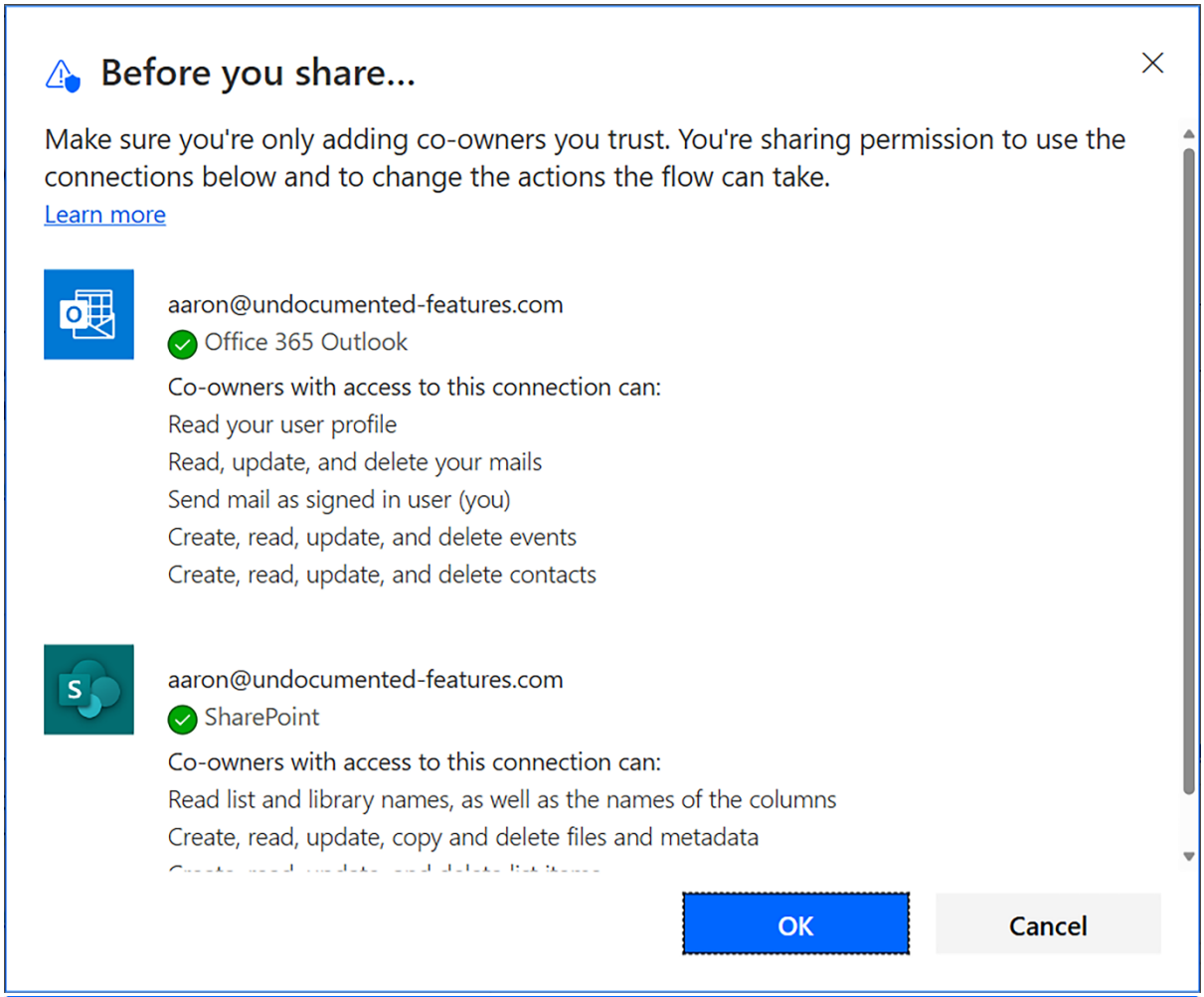
# Chapter 7: Working with Shared Flows

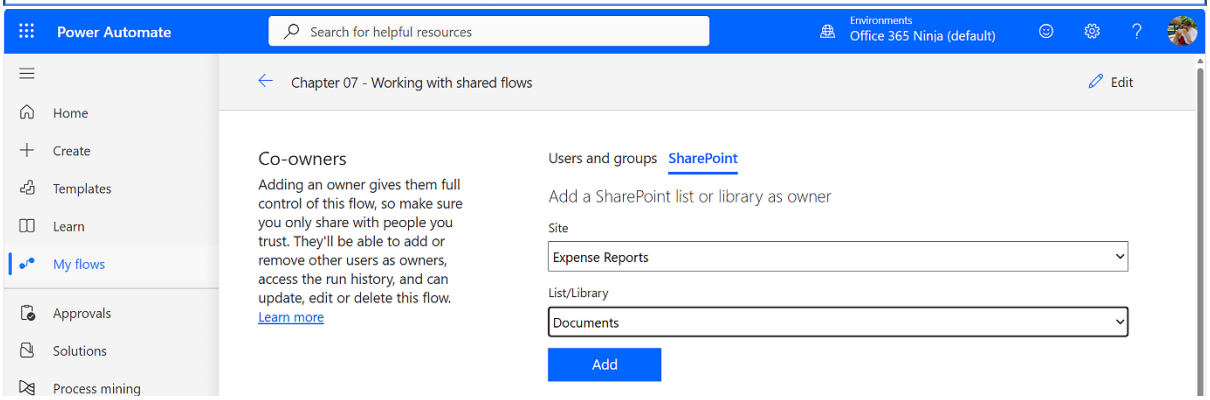


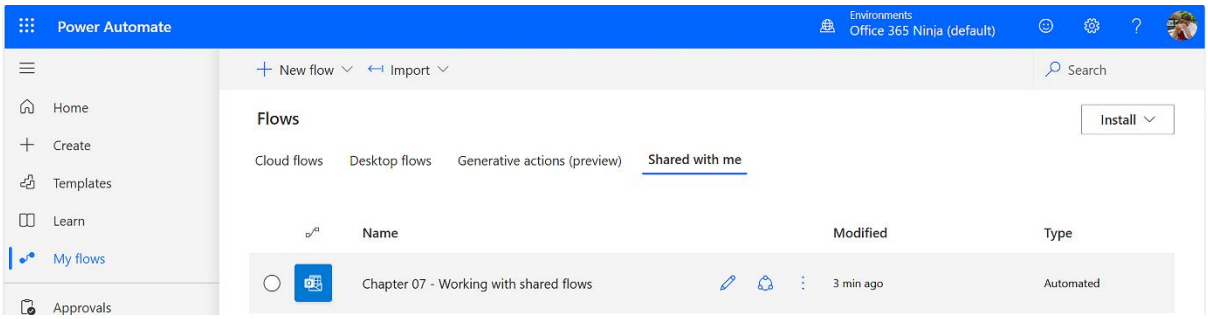



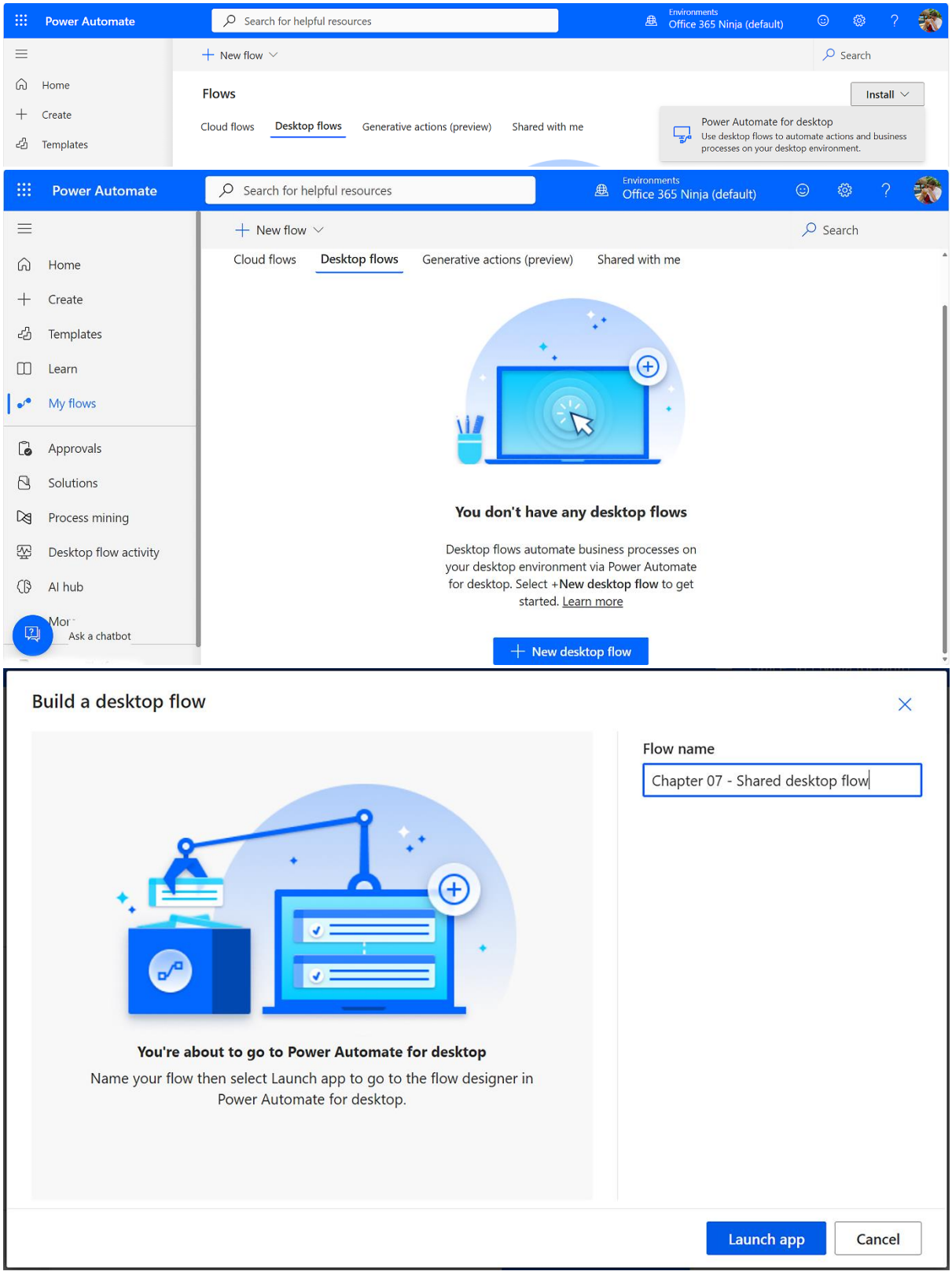



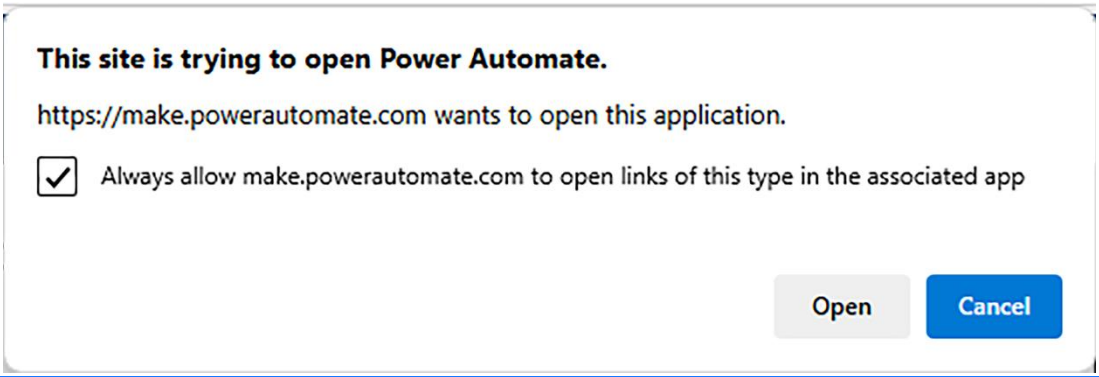



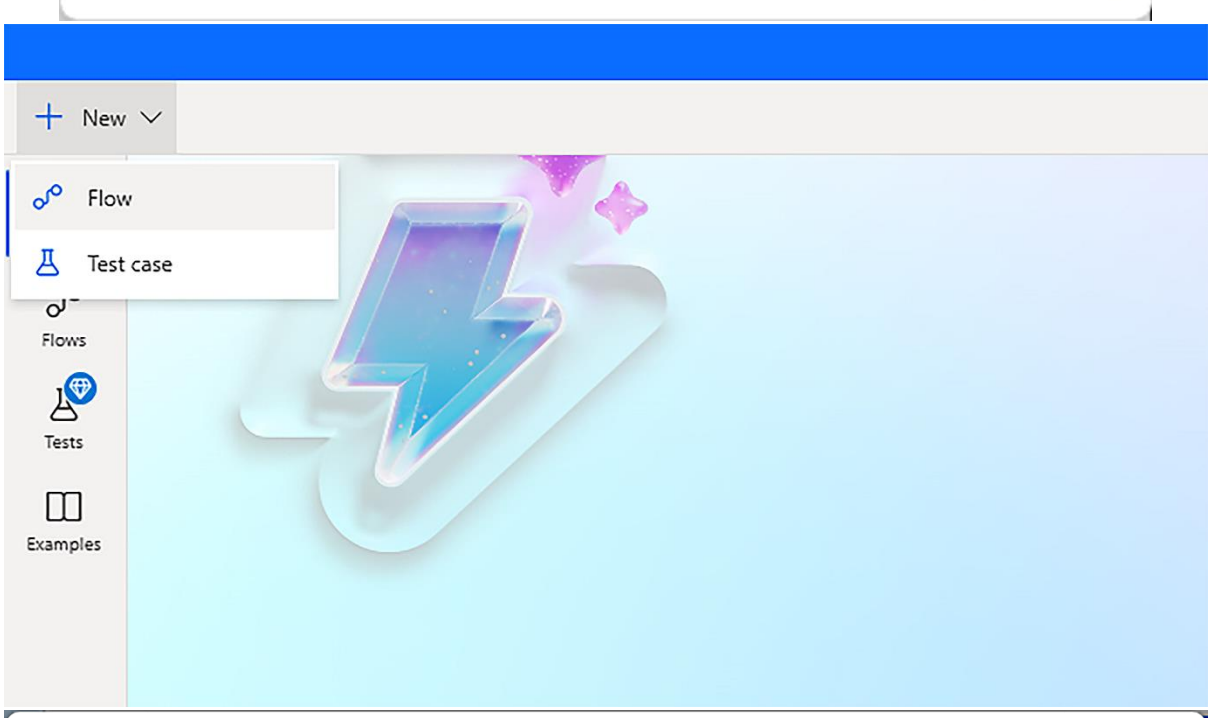

Before you share...
Make sure you're only adding co-owners you trust. You're sharing permission to use the connections below and to change the actions the flow can take.
Learn more
aaron@undocumented-features.com
Office 365 Outlook
Co-owners with access to this connection can:
Read your user profile
Read, update, and delete your mails
Send mail as signed in user (you)
Create, read, update, and delete events
Create, read, update, and delete contacts
aaron@undocumented-features.com
SharePoint
Co-owners with access to this connection can:
Read list and library names, as well as the names of the columns
Create, read, update, copy and delete files and metadata
OK
Cancel

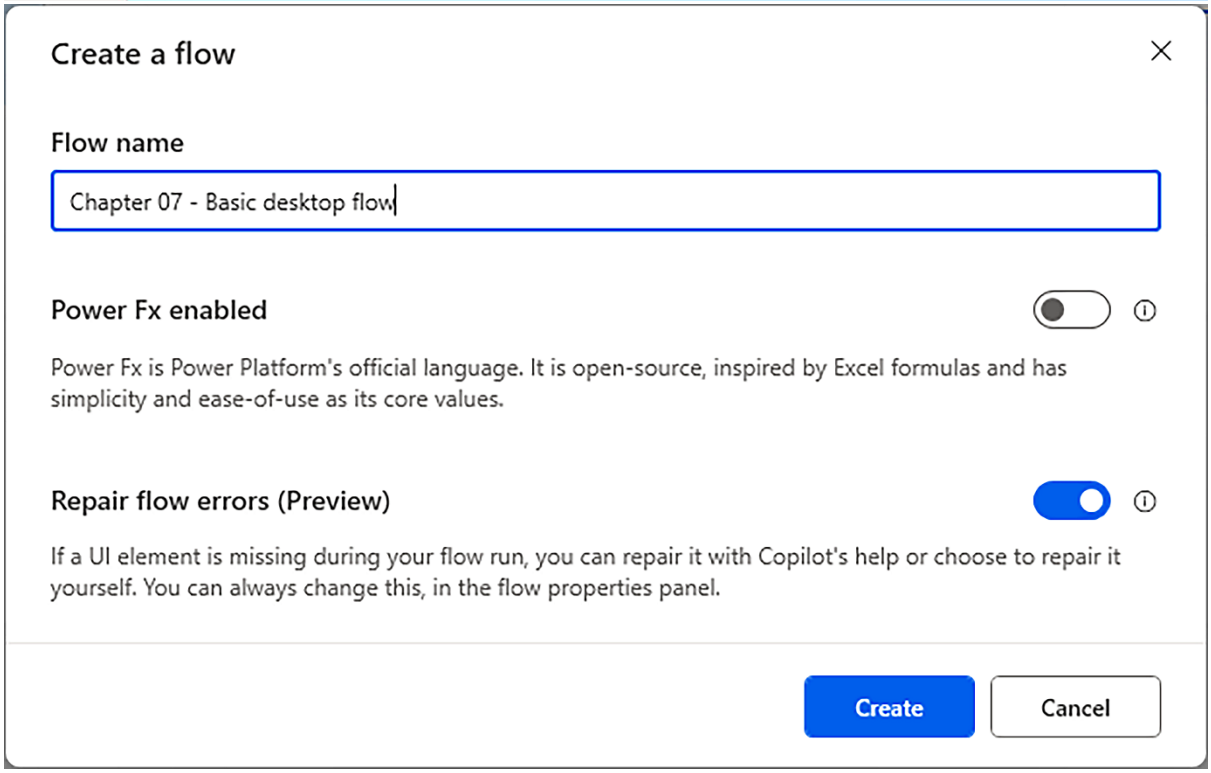

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Chapter 07 - Working with shared flows
Edit
Co-owners
Adding an owner gives them full control of this flow, so make sure you only share with people you trust. They'll be able to add or remove other users as owners, access the run history, and can update, edit or delete this flow.
Learn more
Users and groups
SharePoint
Add a SharePoint list or library as owner
Site
Expense Reports
List/Library
Documents
Add

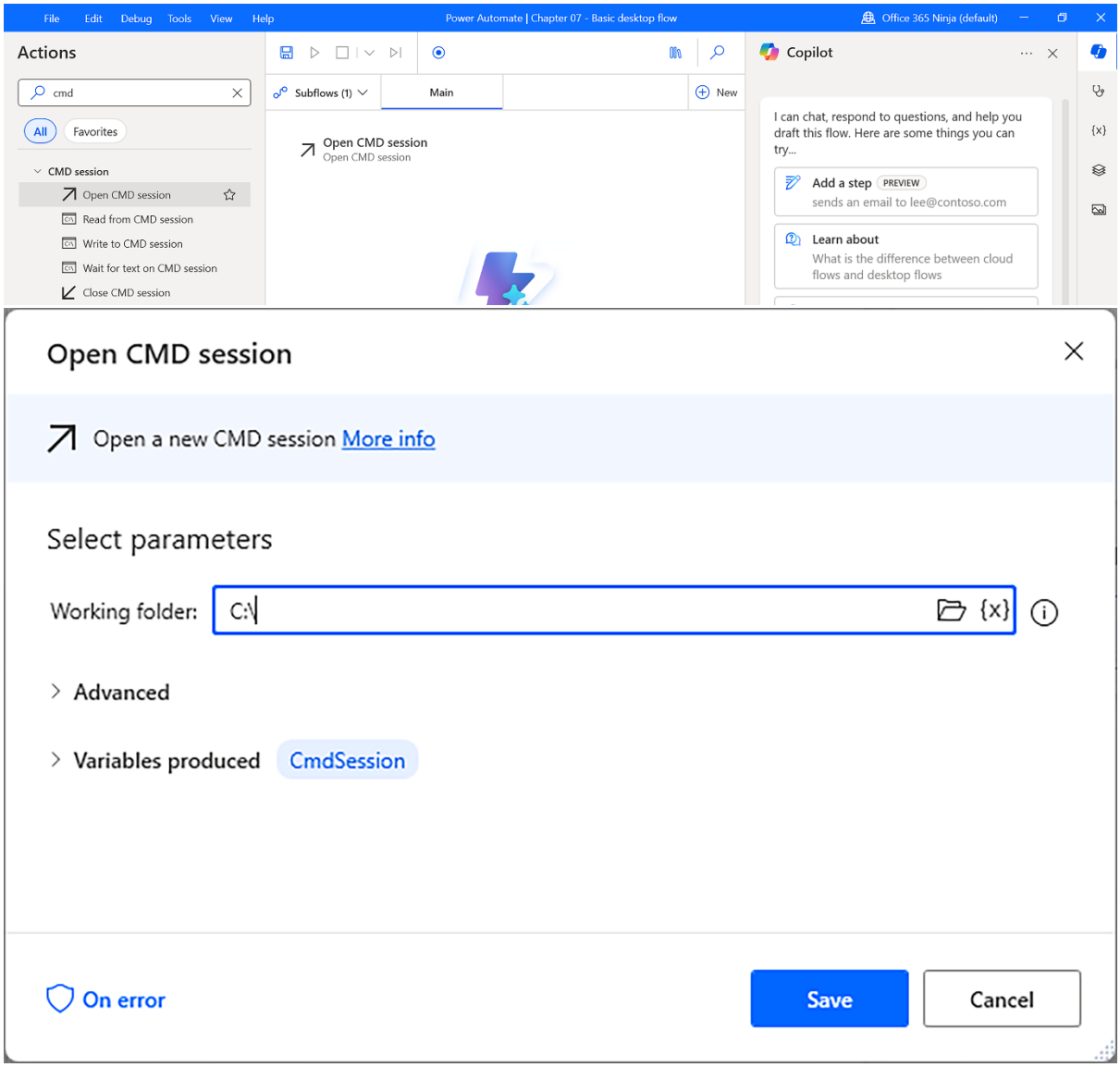

Power Automate
Environments
Office 365 Ninja (default)
New flow
Import
Search
Home
Create
Templates
Learn
My flows
Approvals
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Type
Chapter 07 - Working with shared flows
3 min ago
Automated

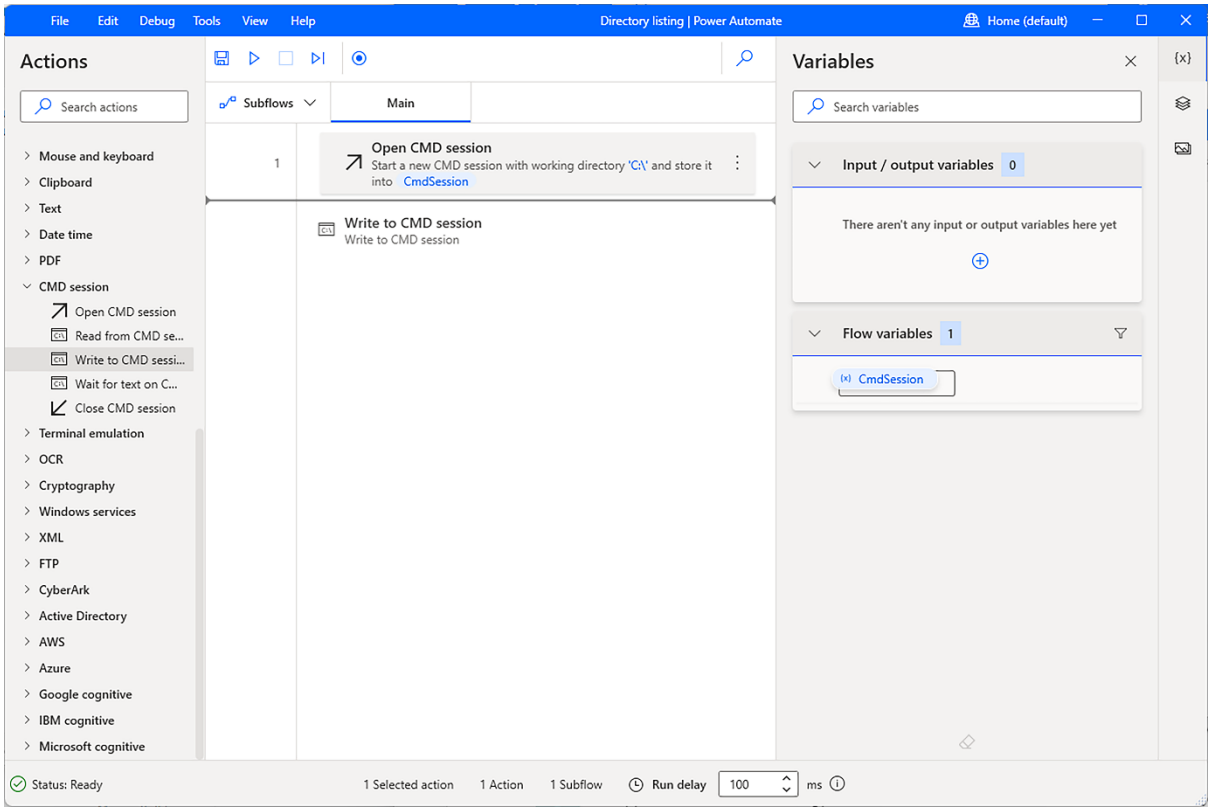

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Search
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
Ask a chatbot
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Power Automate for desktop
Use desktop flows to automate actions and business processes on your desktop environment.
You don't have any desktop flows
Desktop flows automate business processes on your desktop environment via Power Automate for desktop. Select +New desktop flow to get started. Learn more
New desktop flow
Build a desktop flow
Flow name
Chapter 07 - Shared desktop flow
You're about to go to Power Automate for desktop
Name your flow then select Launch app to go to the flow designer in Power Automate for desktop.
Launch app
Cancel

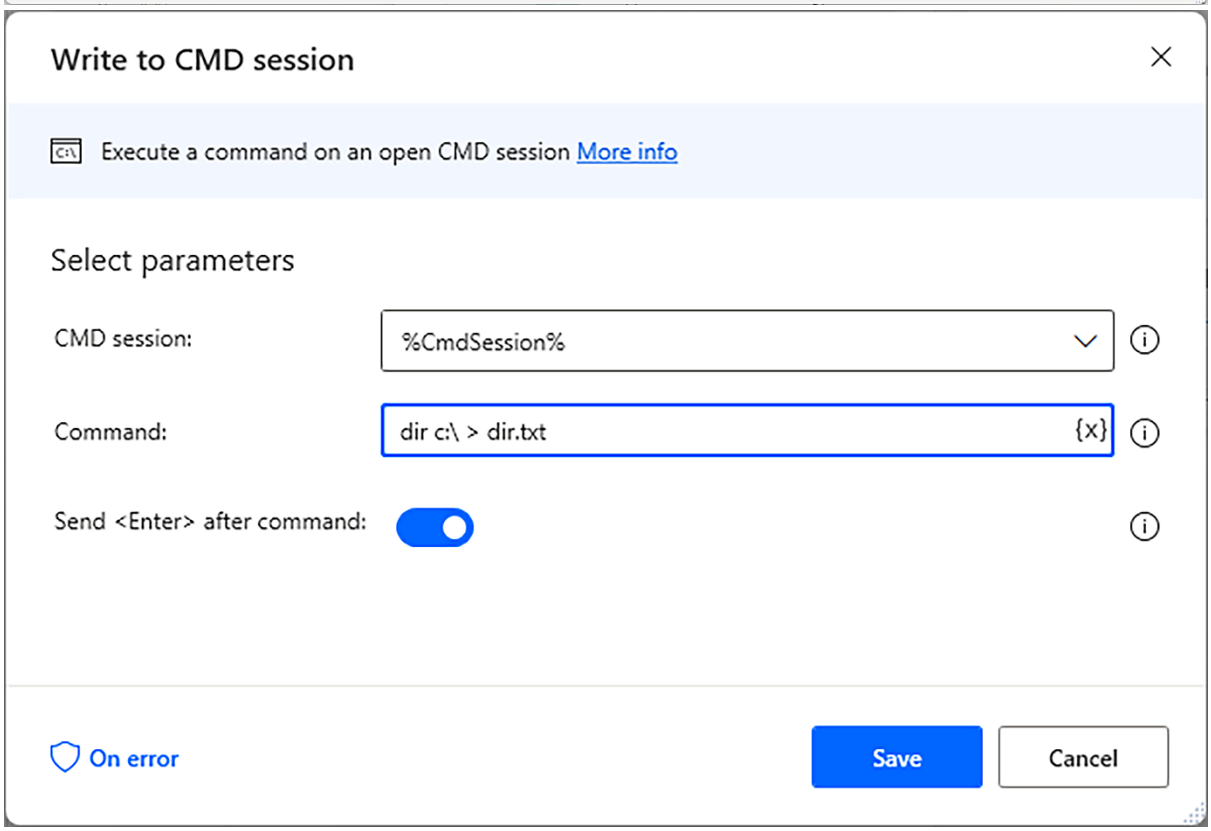

This site is trying to open Power Automate.
https://make.powerautomate.com wants to open this application.
Always allow make.powerautomate.com to open links of this type in the associated app
Open
Cancel

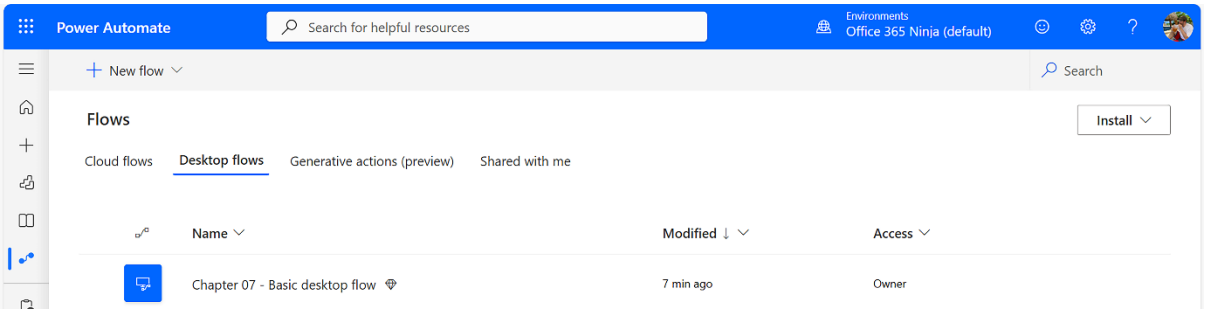

New
Flow
Test case
Flows
Tests
Examples

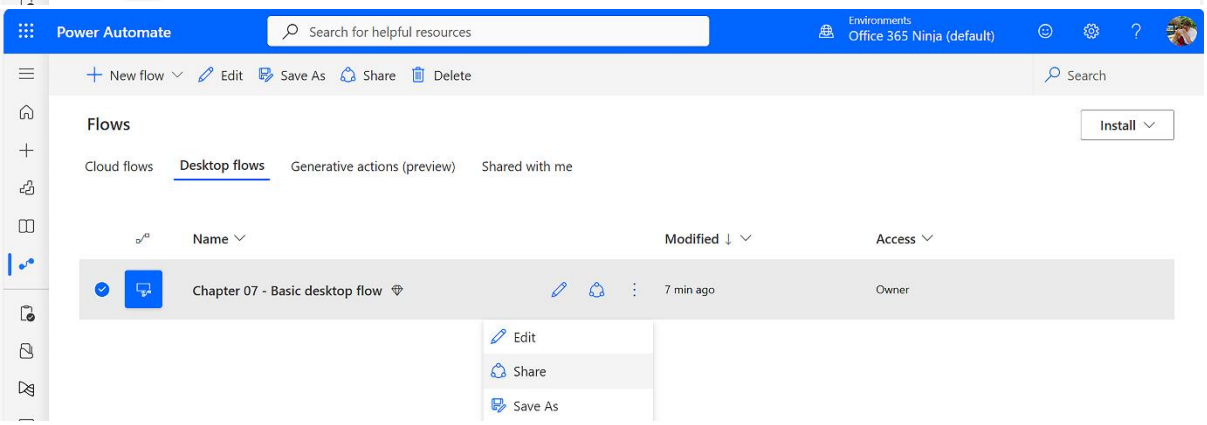

Create a flow
Flow name
Chapter 07 - Basic desktop flow
Power Fx enabled
Power Fx is Power Platform's official language. It is open-source, inspired by Excel formulas and has simplicity and ease-of-use as its core values.
Repair flow errors (Preview)
If a UI element is missing during your flow run, you can repair it with Copilot's help or choose to repair it yourself. You can always change this, in the flow properties panel.
Create
Cancel

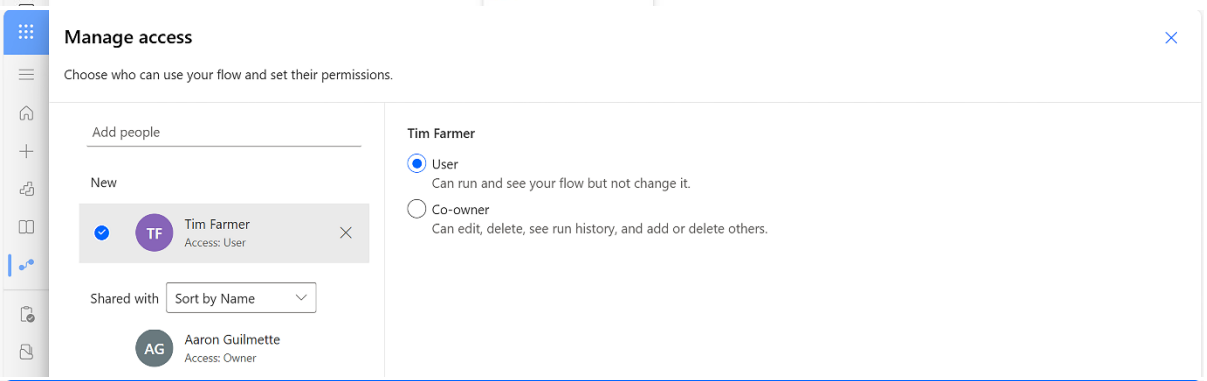

File
Edit
Debug
Tools
View
Help
Power Automate | Chapter 07 - Basic desktop flow
Office 365 Ninja (default)
Actions
cmd
All
Favorites
CMD session
Open CMD session
Read from CMD session
Write to CMD session
Wait for text on CMD session
Close CMD session
Subflows (1)
Main
New
Open CMD session
Open CMD session
Copilot
I can chat, respond to questions, and help you draft this flow. Here are some things you can try...
Add a step
PREVIEW
sends an email to lee@contoso.com
Learn about
What is the difference between cloud flows and desktop flows
Open CMD session
Open a new CMD session More info
Select parameters
Working folder:
C:\
{x}
Advanced
Variables produced
CmdSession
On error
Save
Cancel

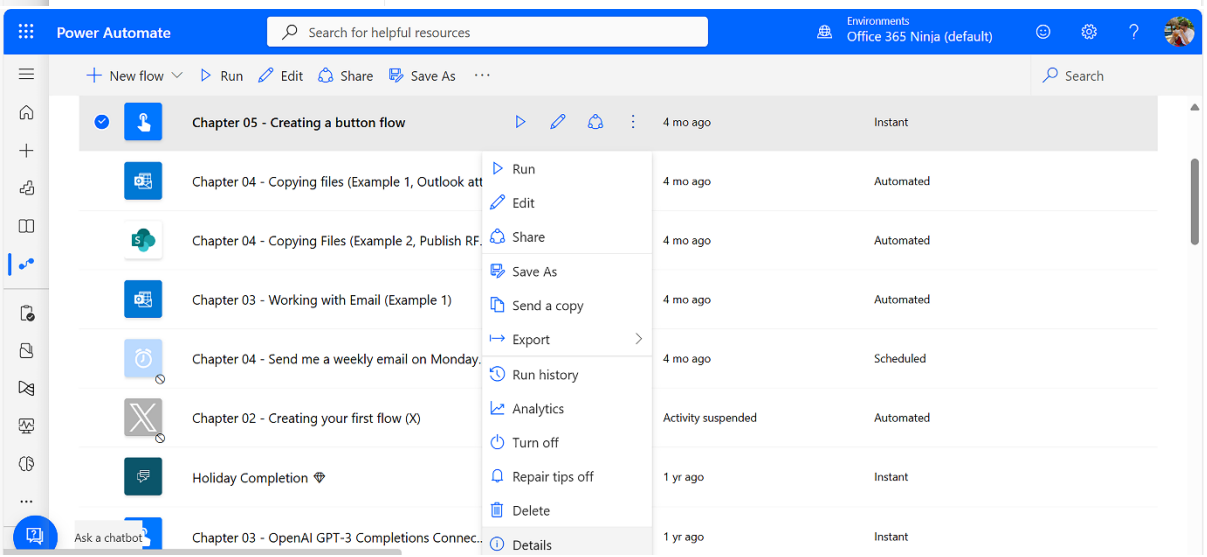

File
Edit
Debug
Tools
View
Help
Directory listing | Power Automate
Home (default)
Actions
Search actions
Mouse and keyboard
Clipboard
Text
Date time
PDF
CMD session
Open CMD session
Read from CMD se...
Write to CMD sessi...
Wait for text on C...
Close CMD session
Terminal emulation
OCR
Cryptography
Windows services
XML
FTP
CyberArk
Active Directory
AWS
Azure
Google cognitive
IBM cognitive
Microsoft cognitive
Subflows
Main
1
Open CMD session
Start a new CMD session with working directory 'C:\' and store it into CmdSession
Write to CMD session
Write to CMD session
Variables
Search variables
Input / output variables 0
There aren't any input or output variables here yet
Flow variables 1
CmdSession
Status: Ready
1 Selected action
1 Action
1 Subflow
Run delay
100
ms

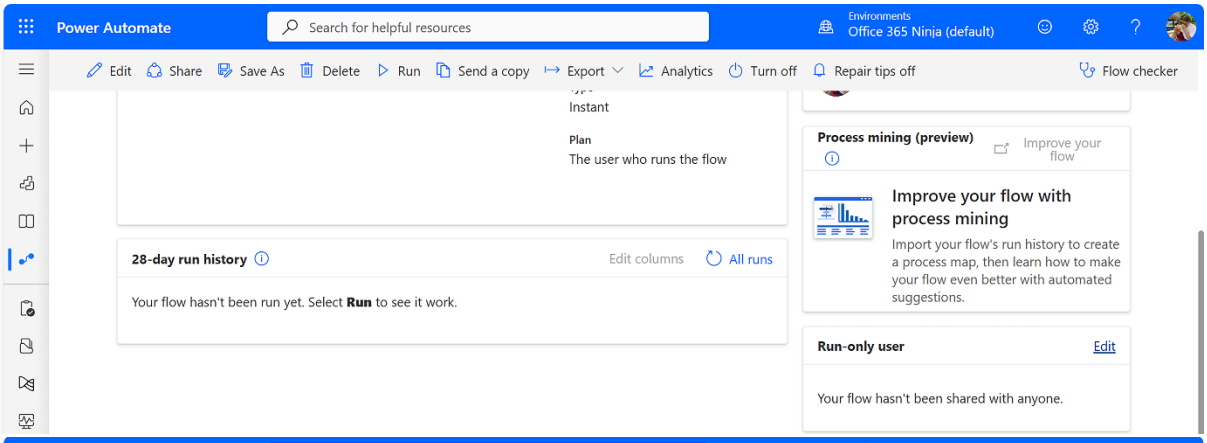

Write to CMD session
Execute a command on an open CMD session More info
Select parameters
CMD session:
%CmdSession%
Command:
dir c:\ > dir.txt
{x}
Send <Enter> after command:
On error
Save
Cancel

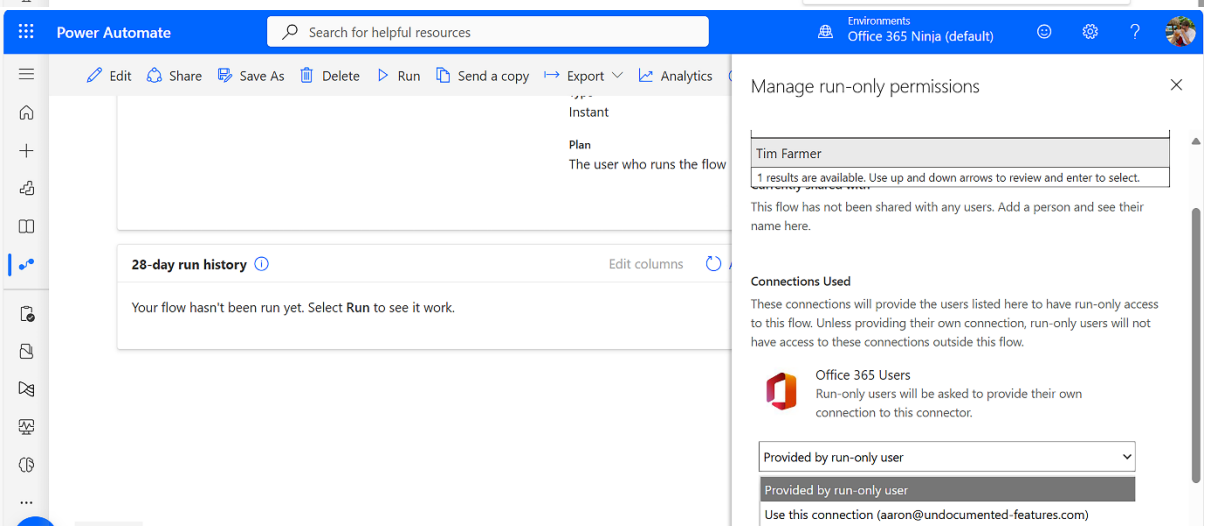

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Search
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Access
Chapter 07 - Basic desktop flow
7 min ago
Owner

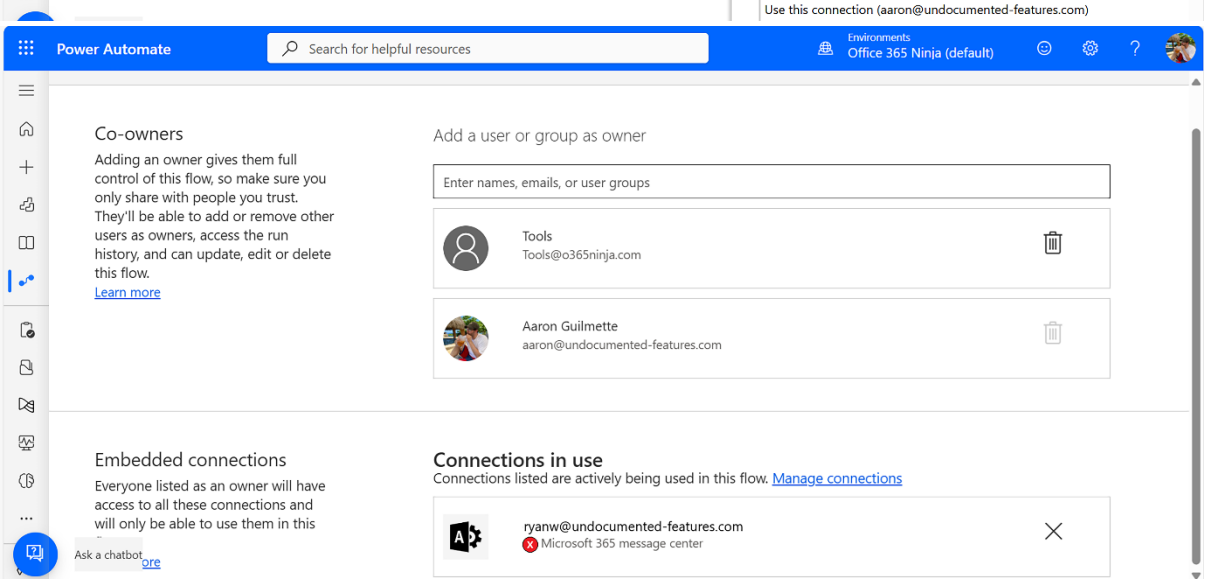

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Edit
Save As
Share
Delete
Search
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Access
Chapter 07 - Basic desktop flow
7 min ago
Owner
Edit
Share
Save As

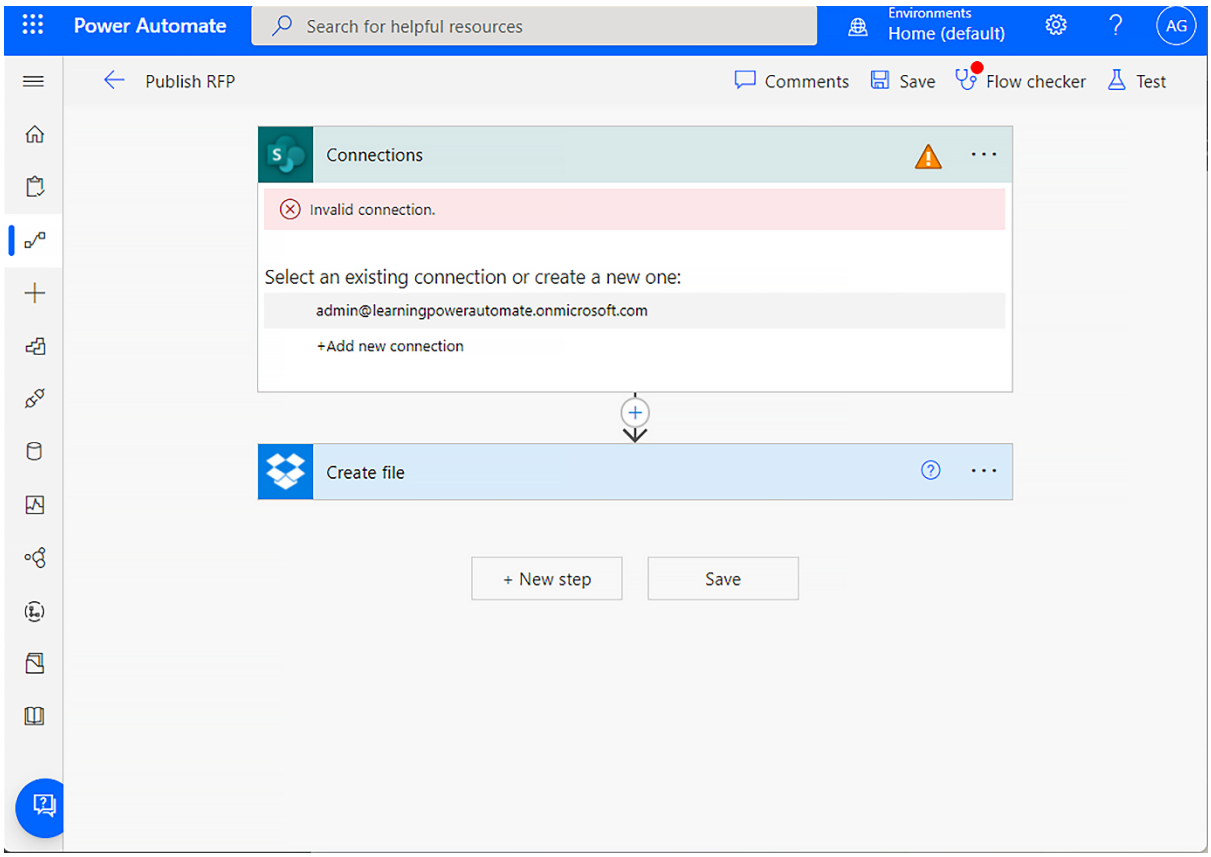

Manage access
Choose who can use your flow and set their permissions.
Add people
New
TF
Tim Farmer
Access: User
Shared with
Sort by Name
AG
Aaron Guilmette
Access: Owner
Tim Farmer
User
Can run and see your flow but not change it.
Co-owner
Can edit, delete, see run history, and add or delete others.


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Run
Edit
Share
Save As
Search
Chapter 05 - Creating a button flow
4 mo ago
Instant
Chapter 04 - Copying files (Example 1, Outlook att
4 mo ago
Automated
Chapter 04 - Copying Files (Example 2, Publish RF
4 mo ago
Automated
Chapter 03 - Working with Email (Example 1)
4 mo ago
Automated
Chapter 04 - Send me a weekly email on Monday
4 mo ago
Scheduled
Chapter 02 - Creating your first flow (X)
Activity suspended
Automated
Holiday Completion
1 yr ago
Instant
Chapter 03 - OpenAI GPT-3 Completions Connec...
1 yr ago
Instant
Run
Edit
Share
Save As
Send a copy
Export
Run history
Analytics
Turn off
Repair tips off
Delete
Details
Ask a chatbot

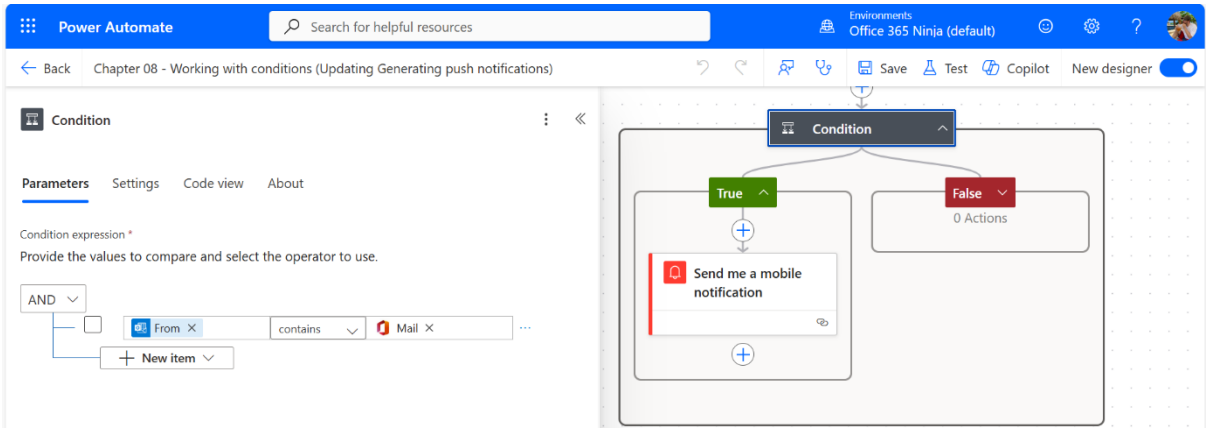

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Edit
Share
Save As
Delete
Run
Send a copy
Export
Analytics
Turn off
Repair tips off
Flow checker
Instant
Plan
The user who runs the flow
Process mining (preview)
Improve your flow
Improve your flow with process mining
Import your flow's run history to create a process map, then learn how to make your flow even better with automated suggestions.
28-day run history
Edit columns
All runs
Your flow hasn't been run yet. Select Run to see it work.
Run-only user
Edit
Your flow hasn't been shared with anyone.

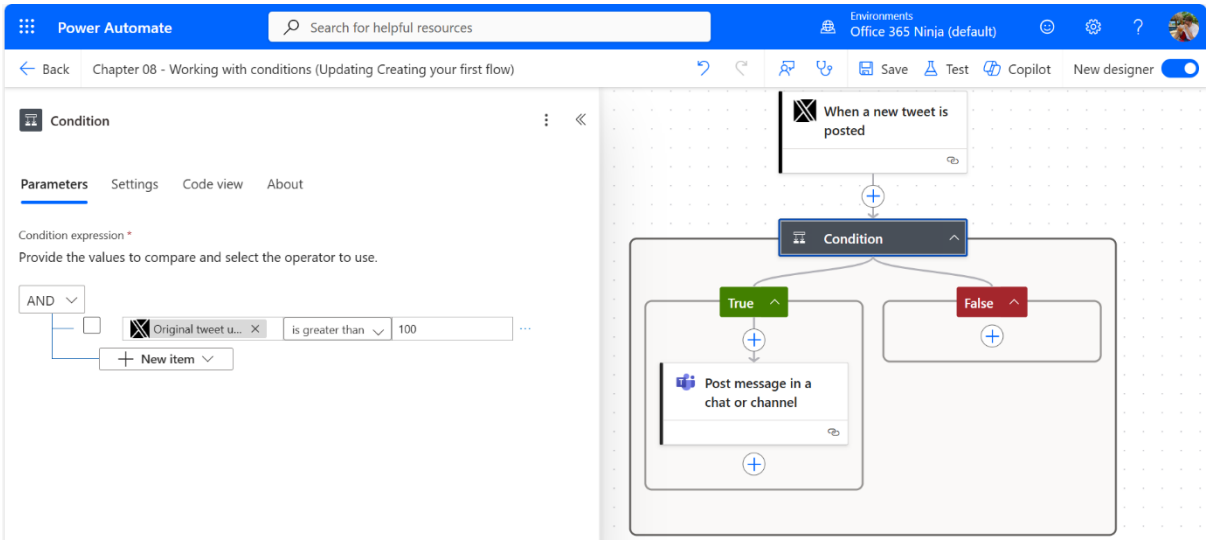

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Edit
Share
Save As
Delete
Run
Send a copy
Export
Analytics
Instant
Plan
The user who runs the flow
28-day run history
Edit columns
Your flow hasn't been run yet. Select Run to see it work.
Manage run-only permissions
Tim Farmer
1 results are available. Use up and down arrows to review and enter to select.
This flow has not been shared with any users. Add a person and see their name here.
Connections Used
These connections will provide the users listed here to have run-only access to this flow. Unless providing their own connection, run-only users will not have access to these connections outside this flow.
Office 365 Users
Run-only users will be asked to provide their own connection to this connector.
Provided by run-only user
Provided by run-only user
Use this connection (aaron@undocumented-features.com)

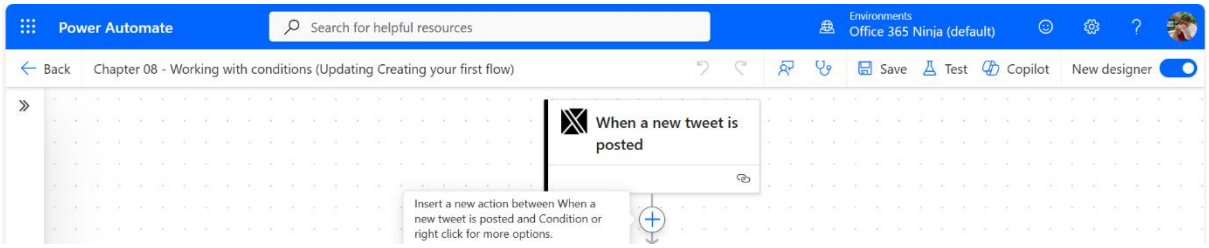

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Co-owners
Adding an owner gives them full control of this flow, so make sure you only share with people you trust. They'll be able to add or remove other users as owners, access the run history, and can update, edit or delete this flow.
Learn more
Add a user or group as owner
Enter names, emails, or user groups
Tools
Tools@o365ninja.com
Aaron Guilmette
aaron@undocumented-features.com
Embedded connections
Everyone listed as an owner will have access to all these connections and will only be able to use them in this
Ask a chatbot
Connections in use
Connections listed are actively being used in this flow. Manage connections
ryanw@undocumented-features.com
Microsoft 365 message center

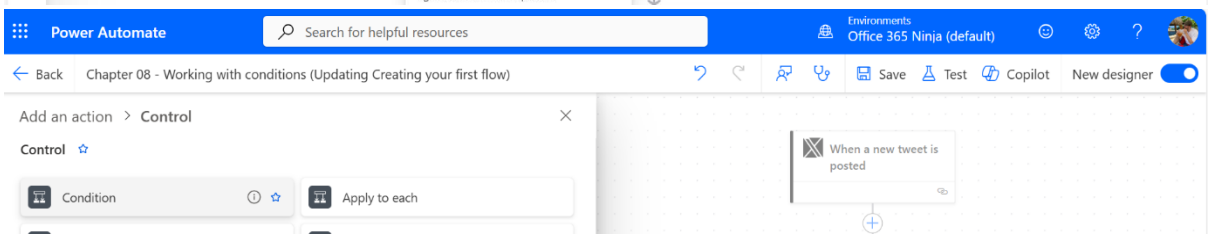

Power Automate
Search for helpful resources
Environments
Home (default)
AG
Publish RFP
Comments
Save
Flow checker
Test
Connections
Invalid connection.
Select an existing connection or create a new one:
admin@learningpowerautomate.onmicrosoft.com
+Add new connection
Create file
+ New step
Save

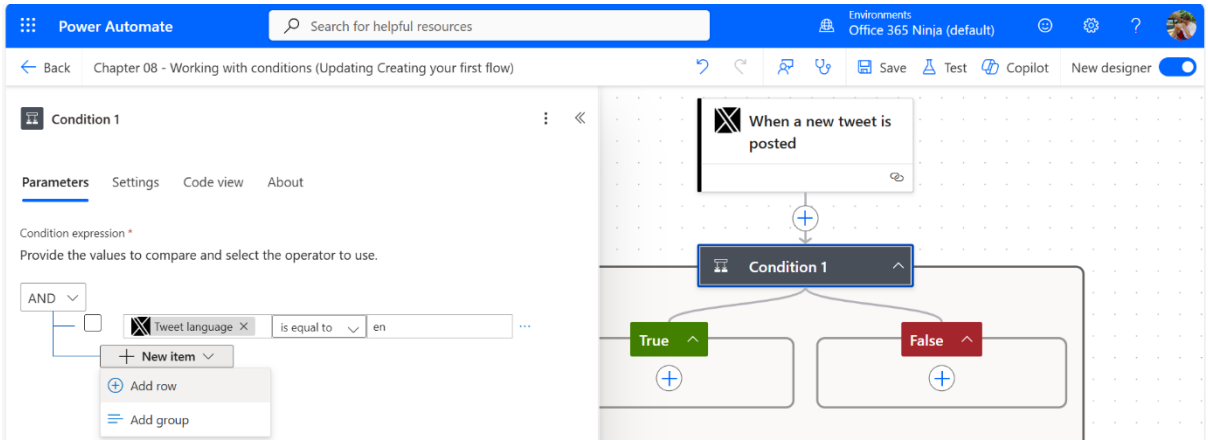
# Chapter 8: Working with Conditions

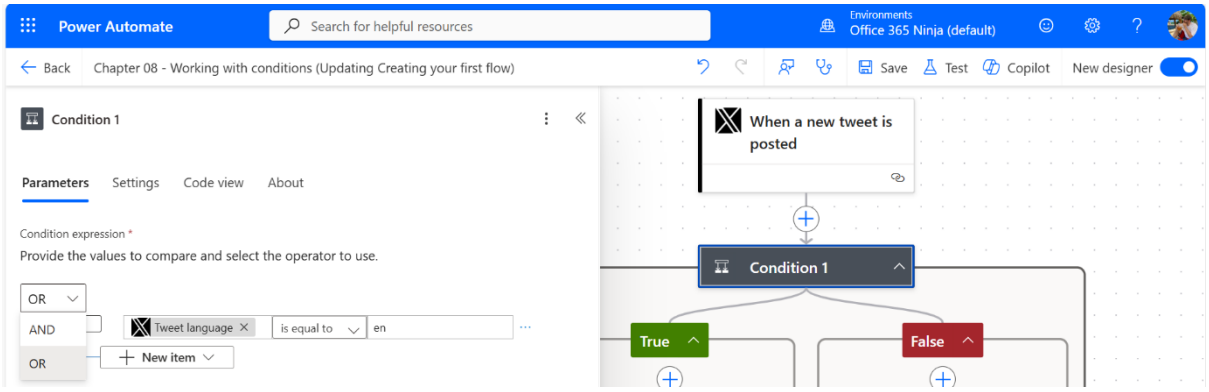


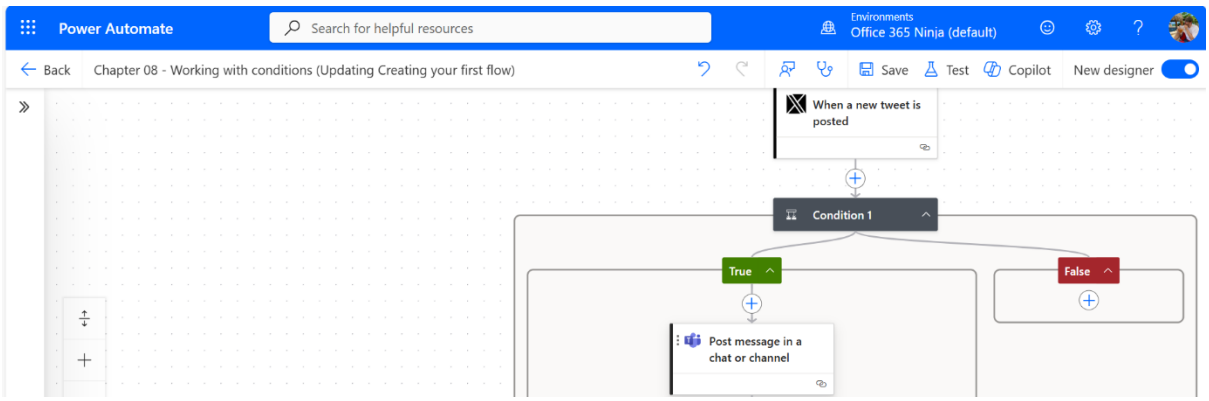



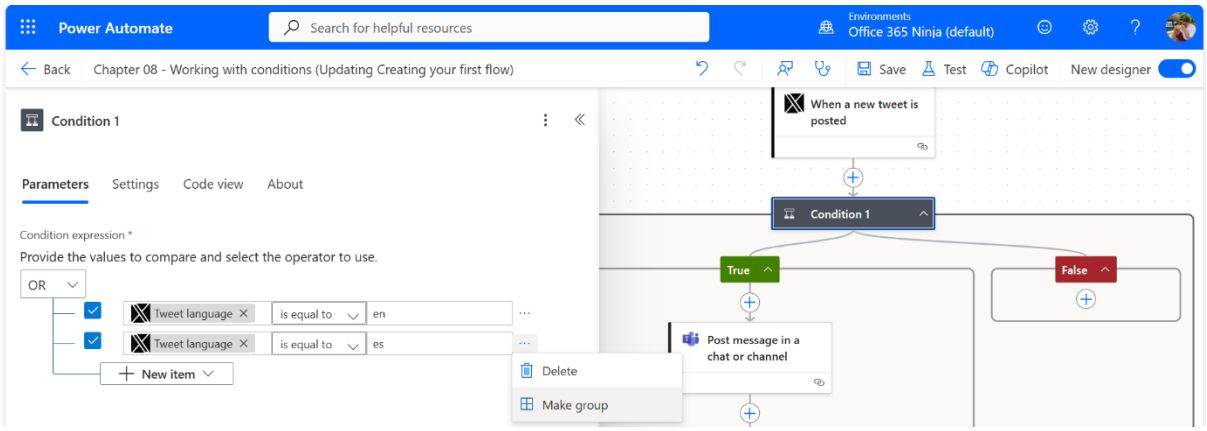



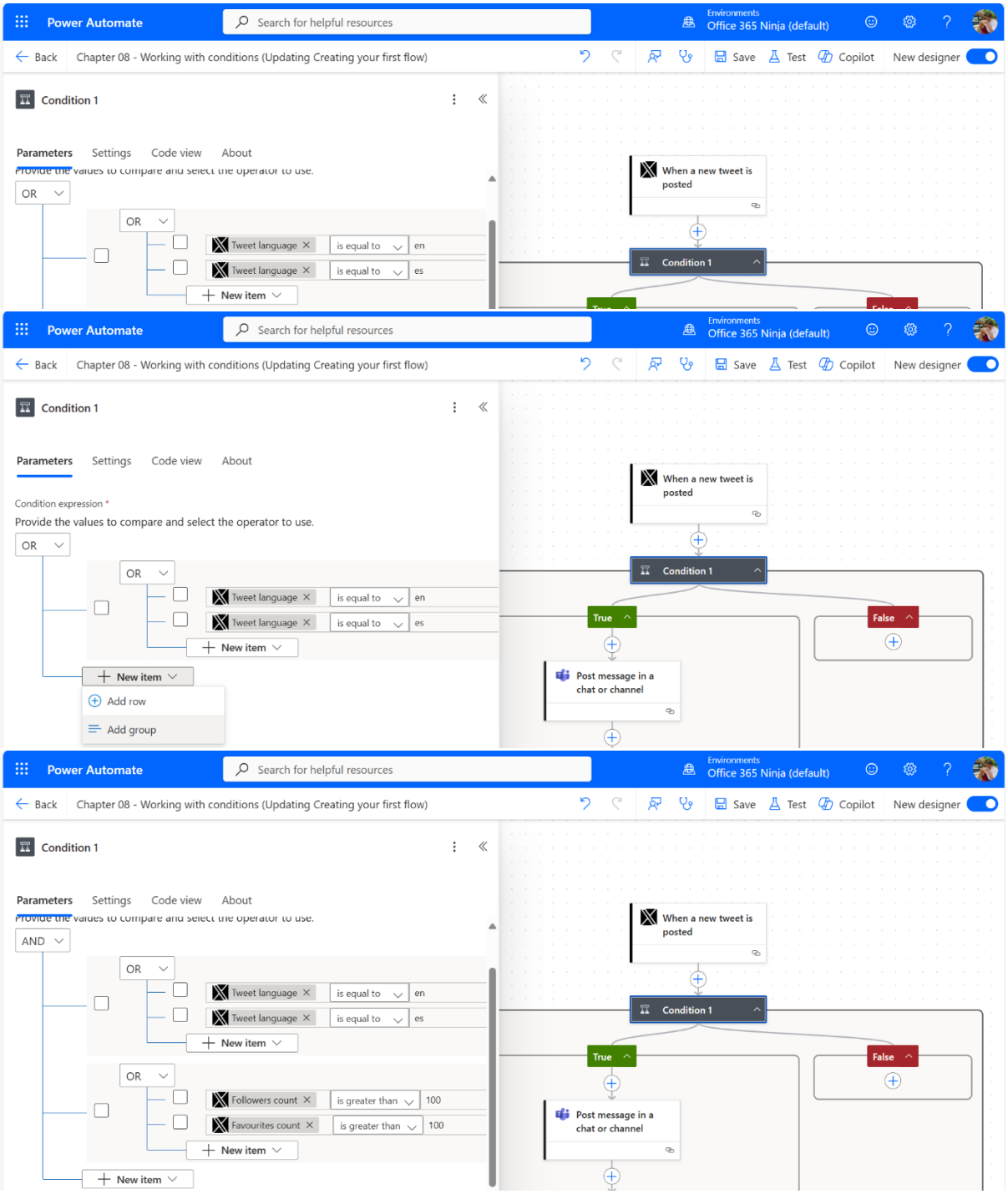



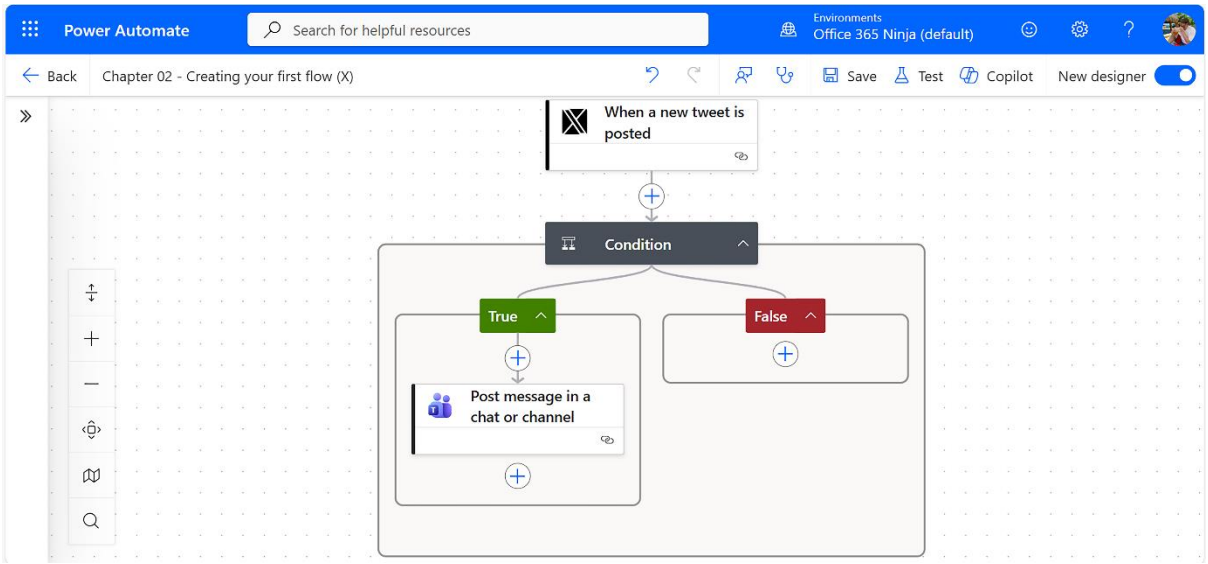

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Condition 1
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
Tweet language
is equal to
en
New item
Add row
Add group
When a new tweet is posted
Condition 1
True
False

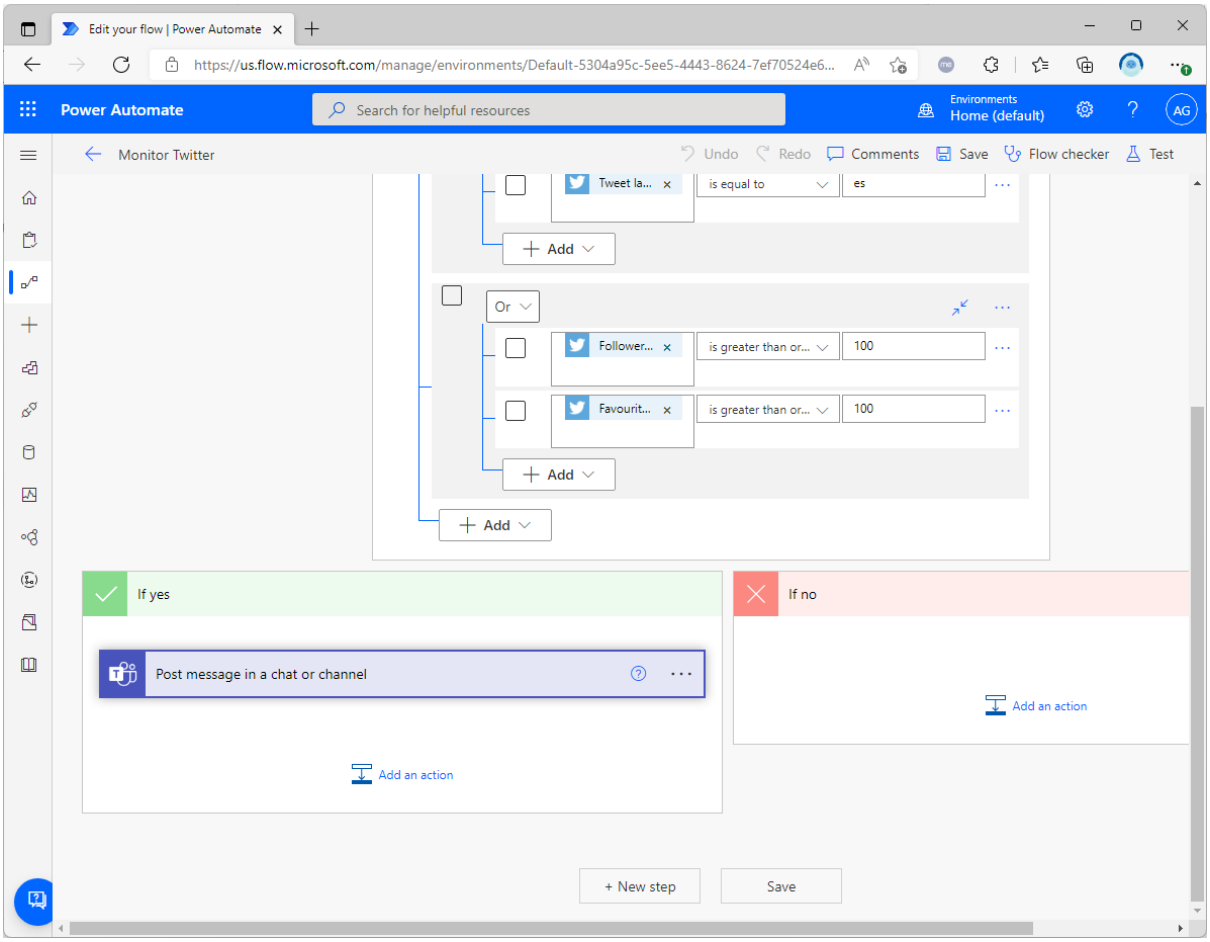

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Condition 1
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
OR
AND
OR
Tweet language
is equal to
en
New item
When a new tweet is posted
Condition 1
True
False

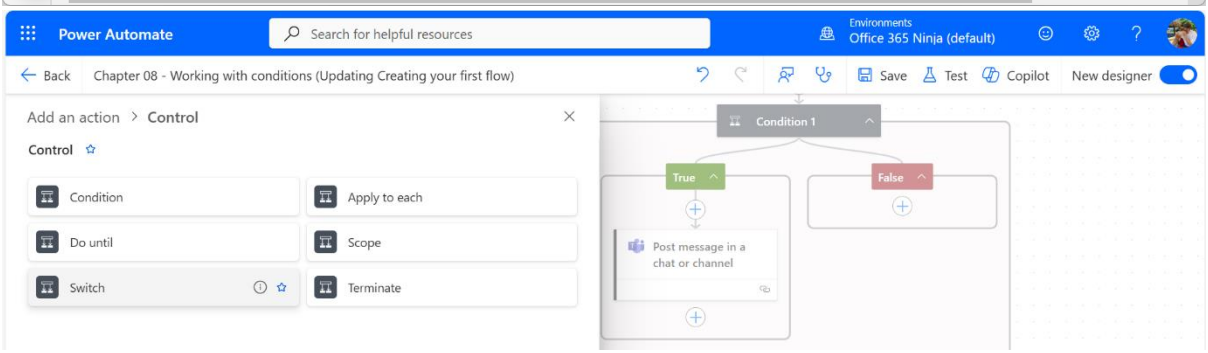

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
When a new tweet is posted
Condition 1
True
False
Post message in a chat or channel

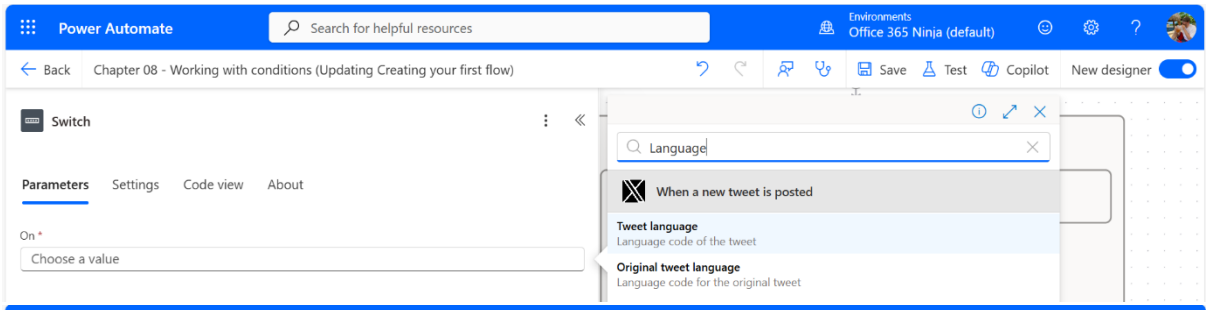

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Condition 1
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
OR
Tweet language
is equal to
en
Tweet language
is equal to
es
New item
Delete
Make group
When a new tweet is posted
Condition 1
True
False
Post message in a chat or channel

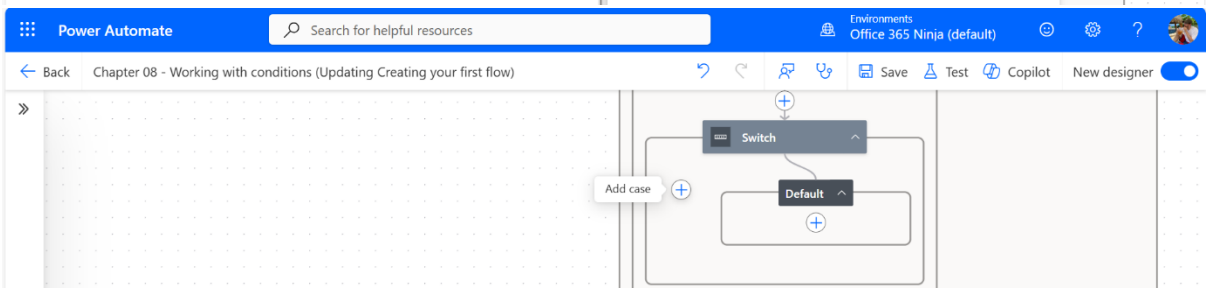

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Condition 1
Parameters
Settings
Code view
About
OR
Tweet language
is equal to
en
es
New item
When a new tweet is posted
True
False
Post message in a chat or channel
Add row
Add group
AND
Followers count
is greater than
100
Favourites count

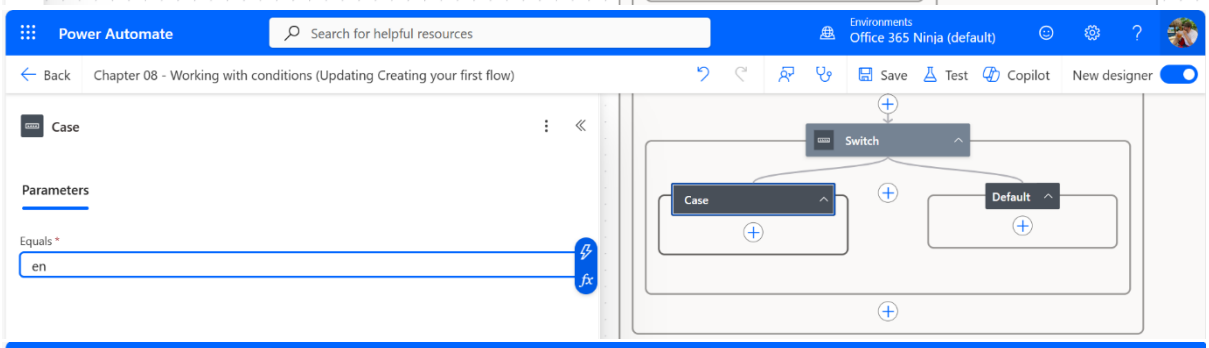

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 02 - Creating your first flow (X)
Save
Test
Copilot
New designer
When a new tweet is posted
Condition
True
False
Post message in a chat or channel

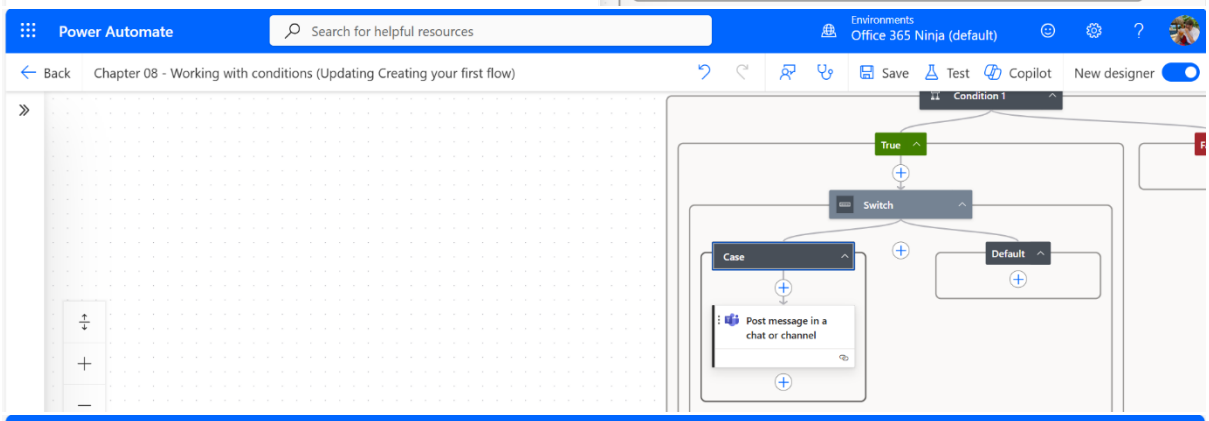

Edit your flow | Power Automate
https://us.flow.microsoft.com/manage/environments/Default-5304a95c-5ee5-4443-8624-7ef70524e6...
Power Automate
Search for helpful resources
Environments
Home (default)
Monitor Twitter
Undo
Redo
Comments
Save
Flow checker
Test
Tweet la...
is equal to
es
Add
Or
Follower...
is greater than or...
100
Favourit...
is greater than or...
100
Add
Add
If yes
Post message in a chat or channel
Add an action
If no
Add an action
+ New step
Save

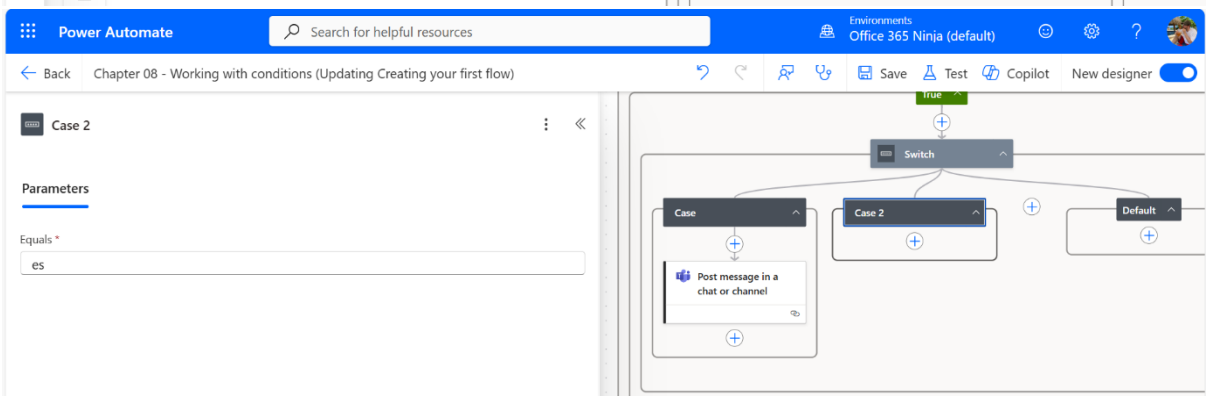

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Add an action
Control
Control
Condition
Apply to each
Do until
Scope
Switch
Terminate
Condition 1
True
False
Post message in a chat or channel

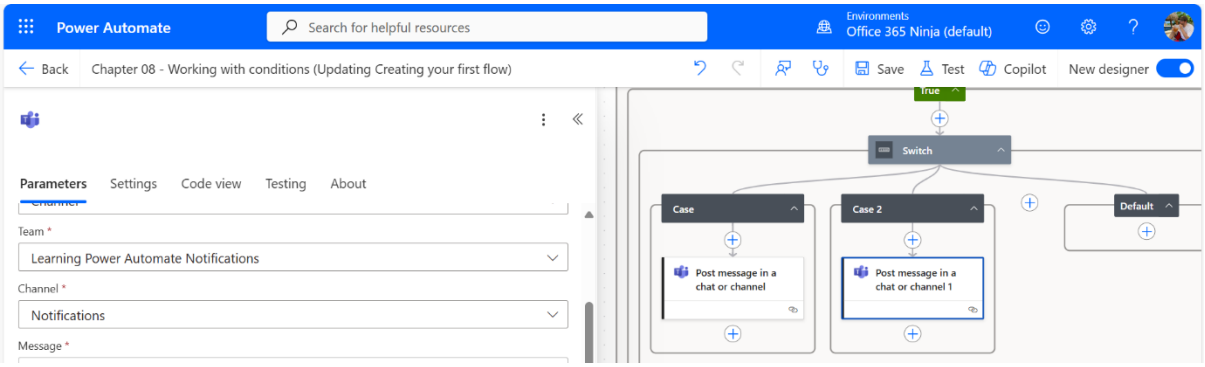

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Switch
Parameters
Settings
Code view
About
On *
Choose a value
Language
When a new tweet is posted
Tweet language
Language code of the tweet
Original tweet language
Language code for the original tweet

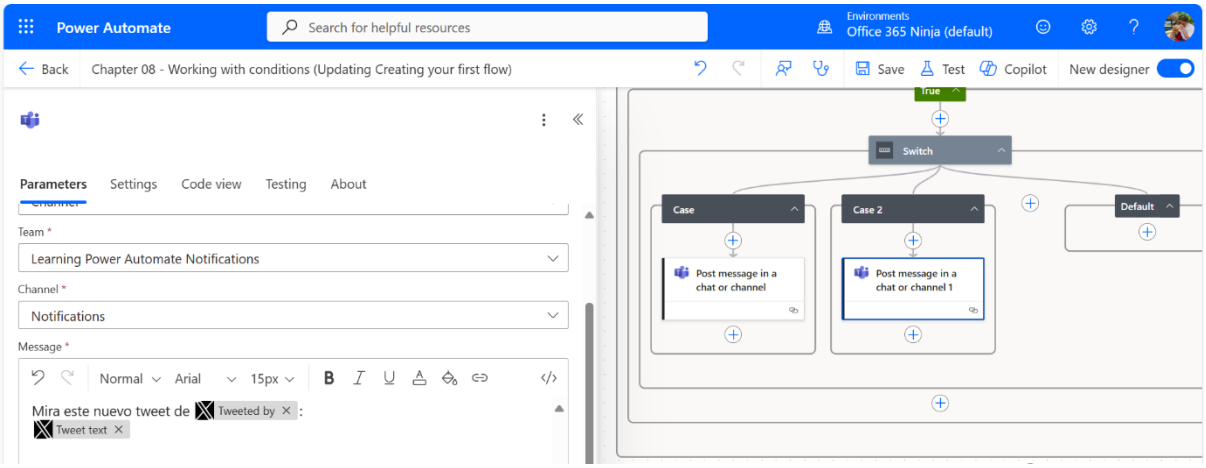

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Switch
Add case
Default

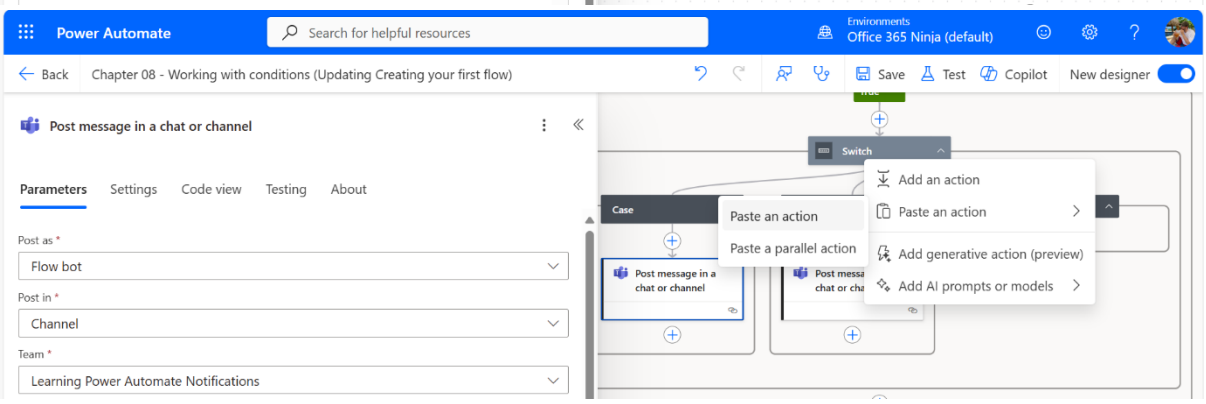

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Case
Parameters
Equals *
en
Switch
Case
Default


Power Automate
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Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Condition 1
True
Switch
Case
Default
Post message in a chat or channel

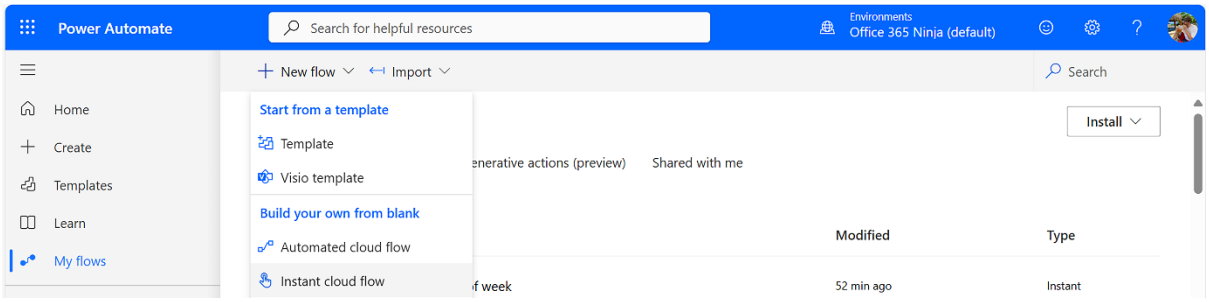

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Case 2
Parameters
Equals *
es
True
Switch
Case
Case 2
Default
Post message in a chat or channel

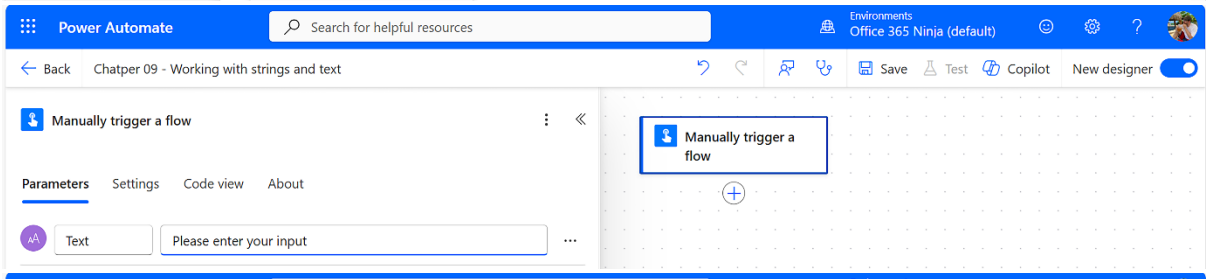

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Parameters
Settings
Code view
Testing
About
Team *
Learning Power Automate Notifications
Channel *
Notifications
Message *
True
Switch
Case
Case 2
Default
Post message in a chat or channel
Post message in a chat or channel 1

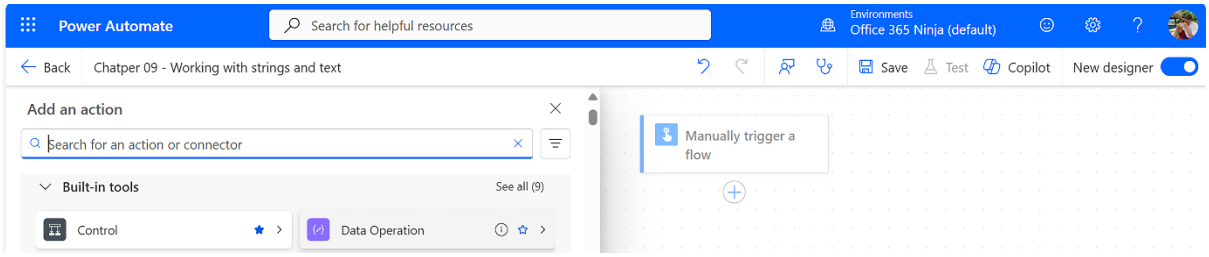

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Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Parameters
Settings
Code view
Testing
About
Team *
Learning Power Automate Notifications
Channel *
Notifications
Message *
Normal
Arial
15px
Mira este nuevo tweet de
Tweeted by
:
Tweet text
True
Switch
Case
Case 2
Default
Post message in a chat or channel
Post message in a chat or channel 1

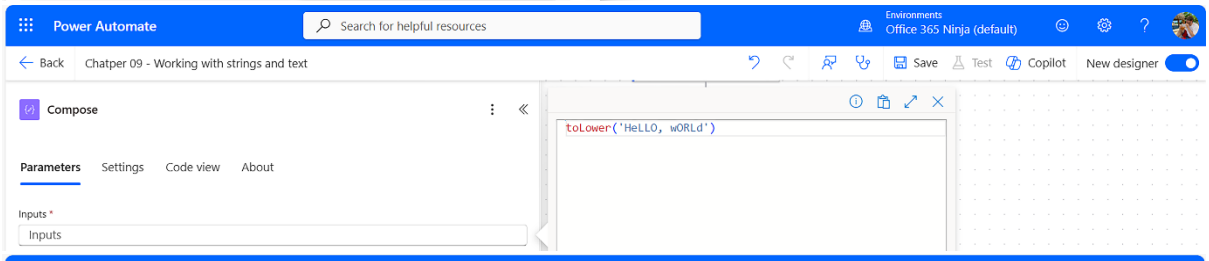

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 08 - Working with conditions (Updating Creating your first flow)
Save
Test
Copilot
New designer
Post message in a chat or channel
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Channel
Team *
Learning Power Automate Notifications
Switch
Case
Add an action
Paste an action
Paste a parallel action
Add generative action (preview)
Add AI prompts or models
Post message in a chat or channel

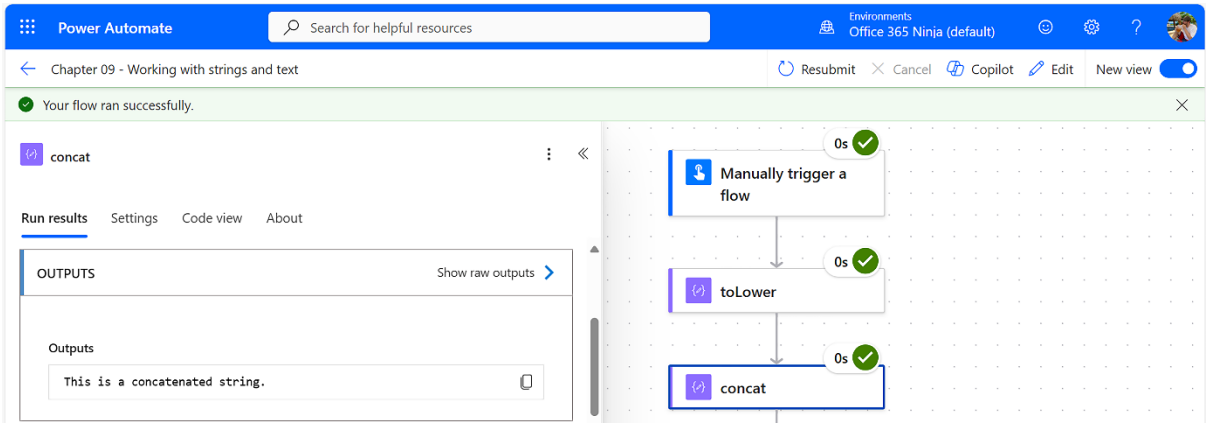
# Chapter 9: Understanding Expressions and Functions

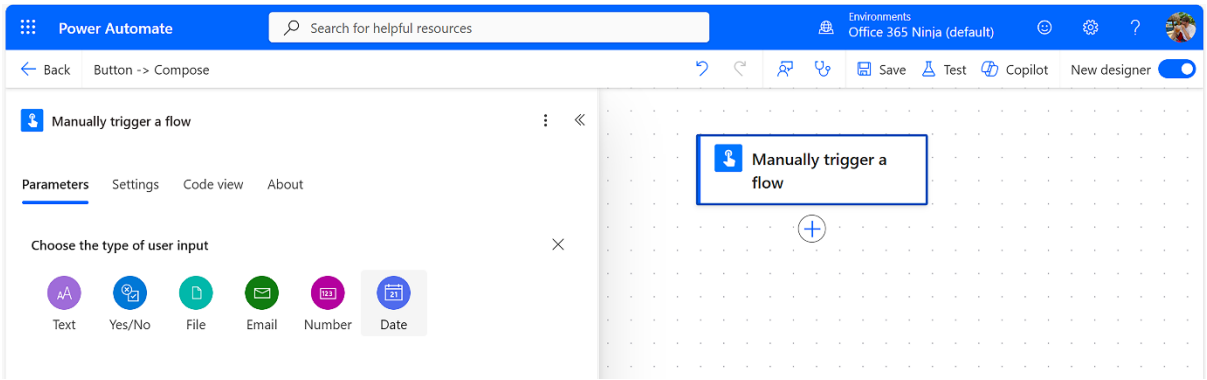


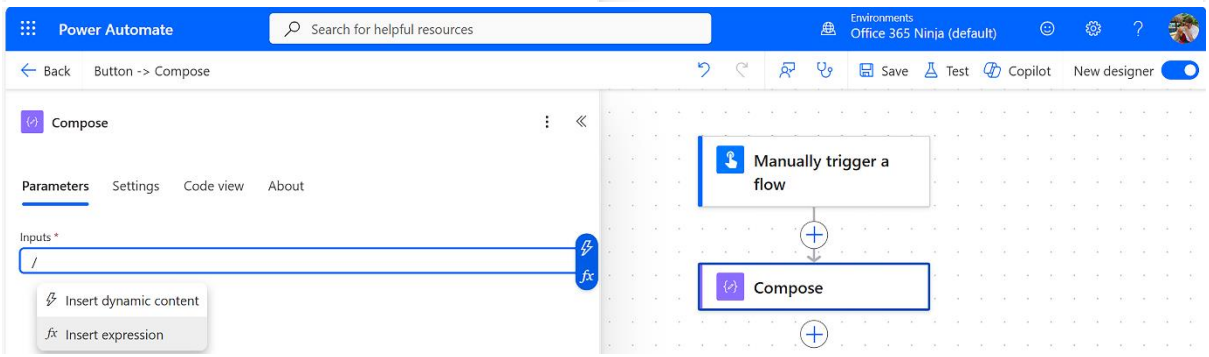



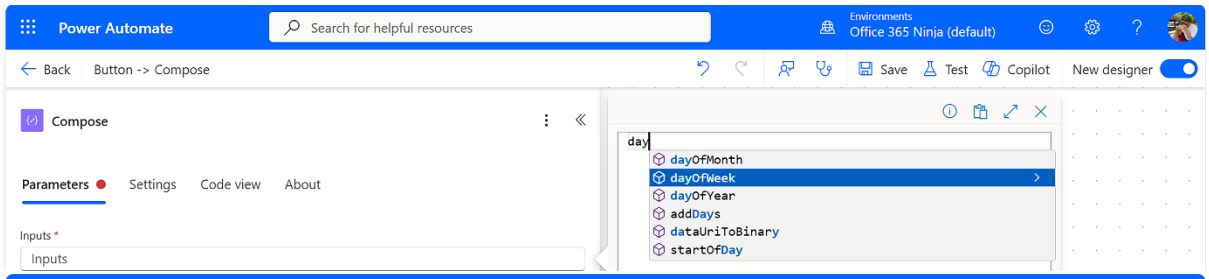



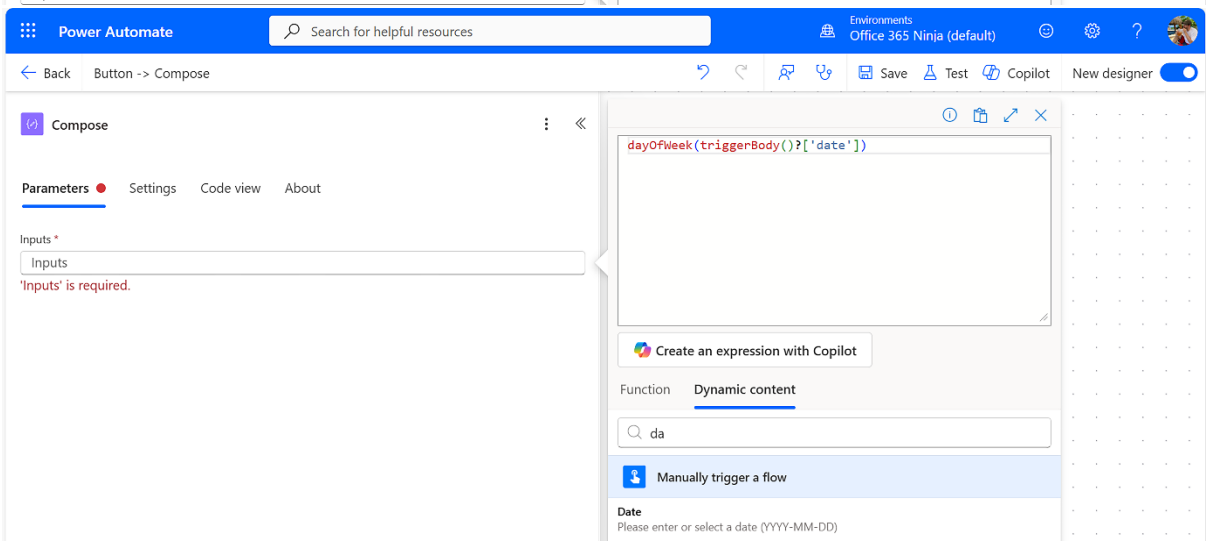



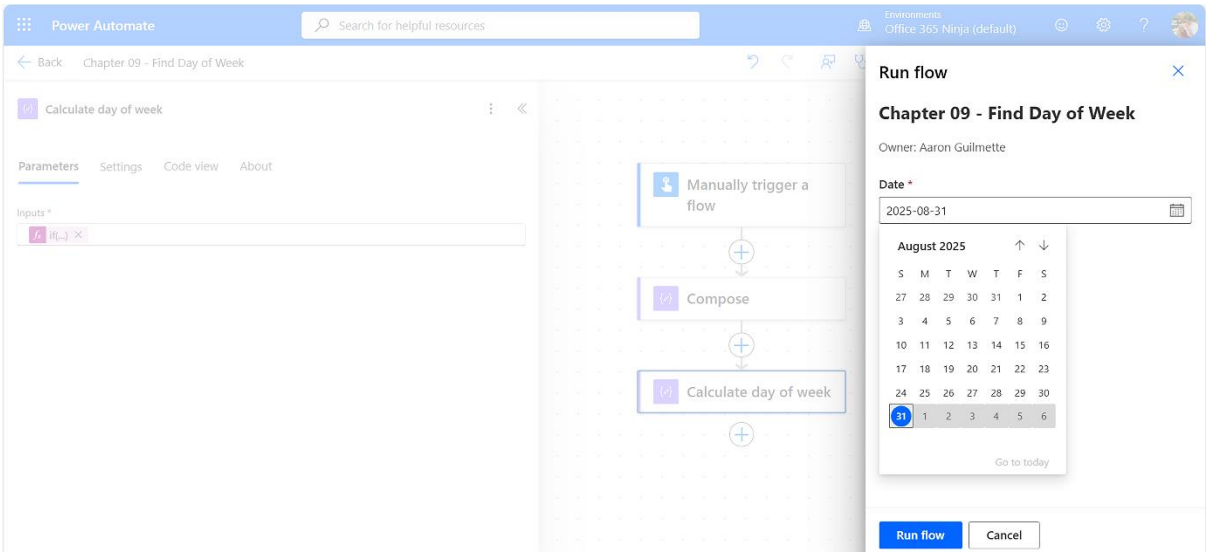



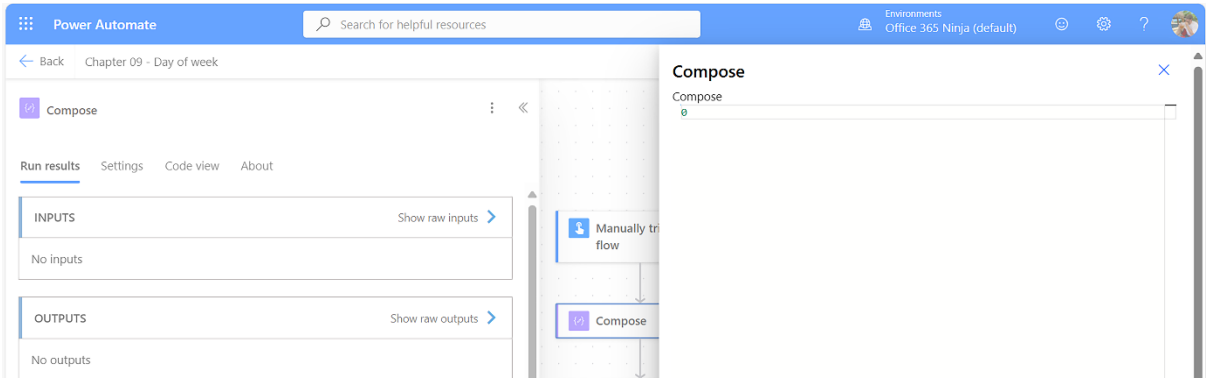

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Choose the type of user input
Text
Yes/No
File
Email
Number
Date
Manually trigger a flow

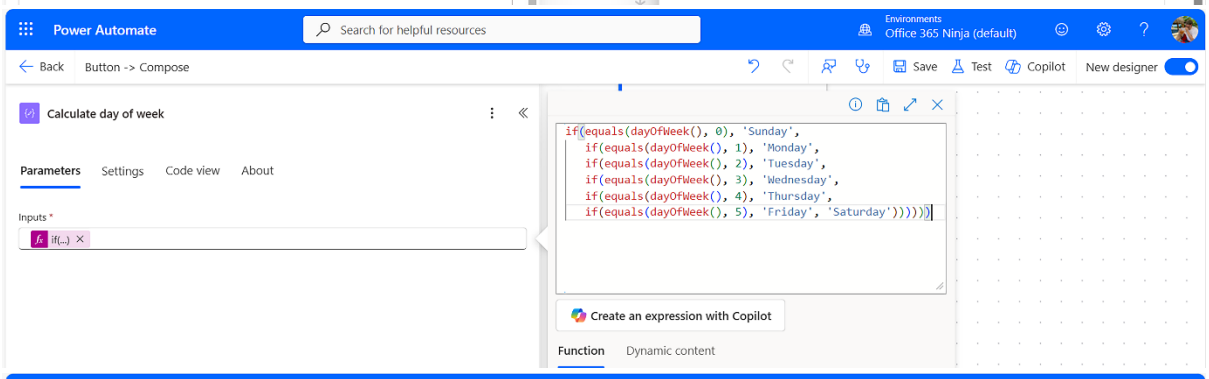

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
Insert dynamic content
Insert expression
Manually trigger a flow
Compose

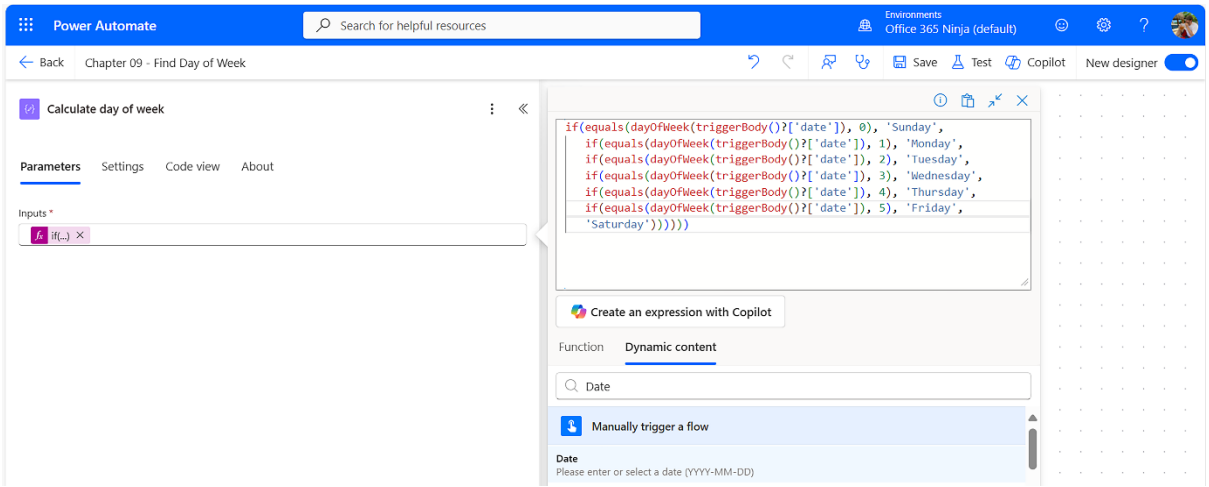

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
Inputs
day
dayOfMonth
dayOfWeek
dayOfYear
addDays
dataUriToBinary
startOfDay

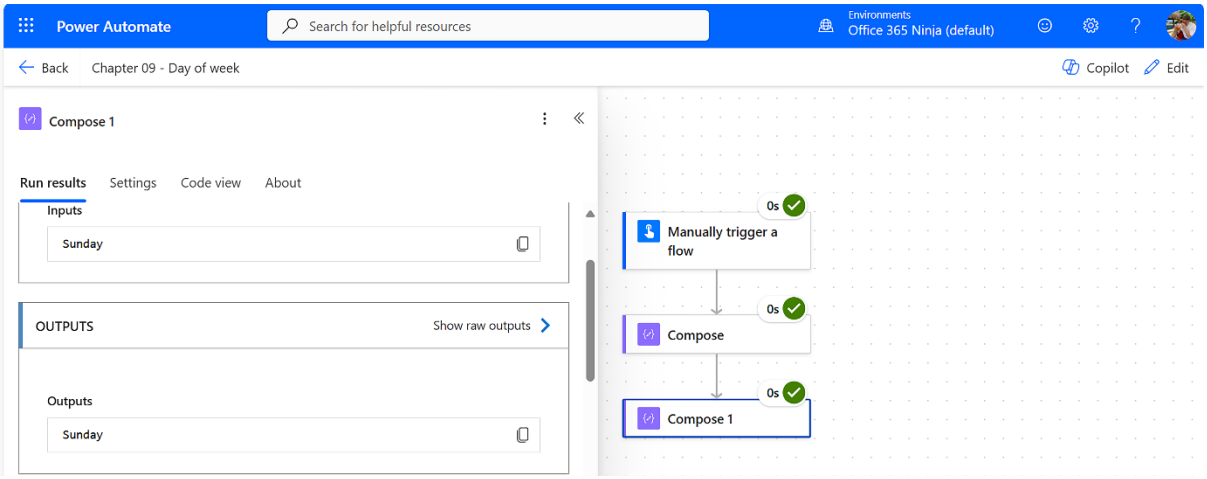

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
Inputs
'Inputs' is required.
dayOfWeek(triggerBody()?['date'])
Create an expression with Copilot
Function
Dynamic content
da
Manually trigger a flow
Date
Please enter or select a date (YYYY-MM-DD)

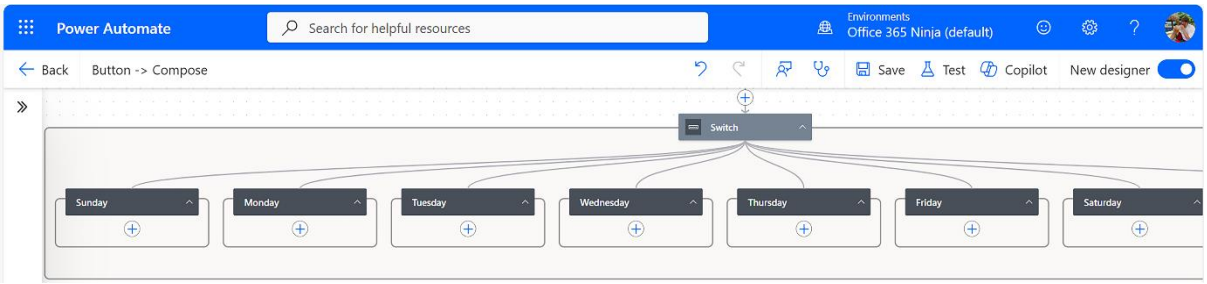

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Find Day of Week
Calculate day of week
Parameters
Settings
Code view
About
Inputs *
if(...)
Manually trigger a flow
Compose
Calculate day of week
Run flow
Chapter 09 - Find Day of Week
Owner: Aaron Guilmette
Date *
2025-08-31
August 2025
S M T W T F S
27 28 29 30 31 1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31 1 2 3 4 5 6
Go to today
Run flow
Cancel

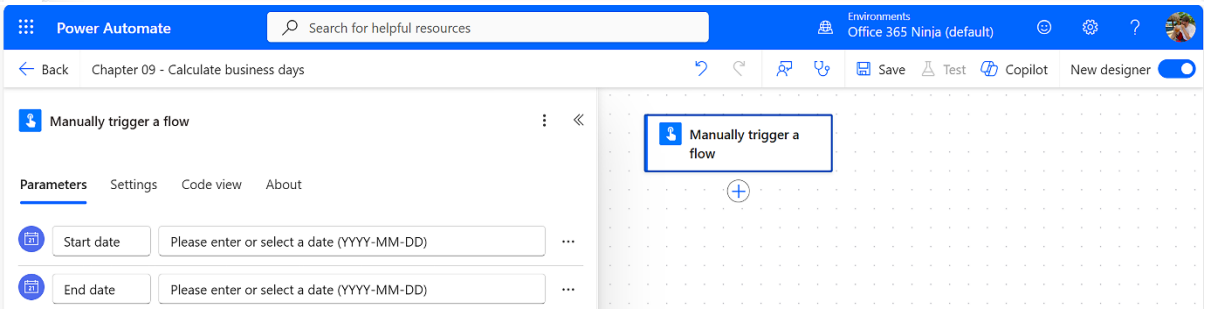

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Day of week
Compose
Run results
Settings
Code view
About
INPUTS
Show raw inputs
No inputs
OUTPUTS
Show raw outputs
No outputs
Manually tri
flow
Compose
Compose
Compose
0

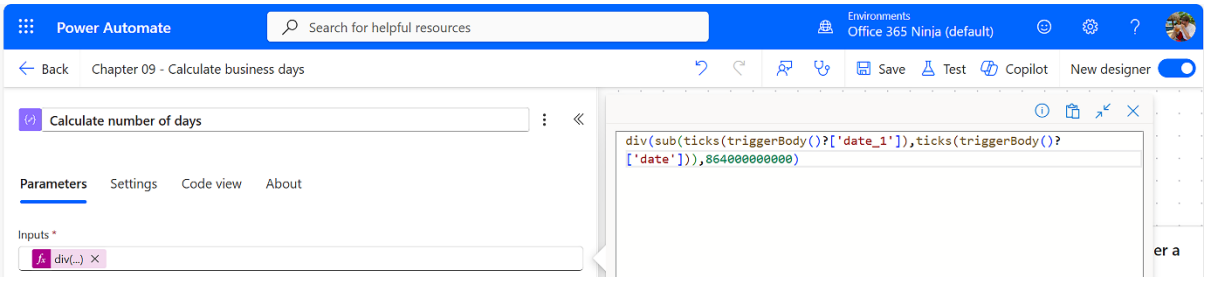

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Calculate day of week
Parameters
Settings
Code view
About
Inputs *
if(...)
if(equals(dayOfWeek(), 0), 'Sunday',
if(equals(dayOfWeek(), 1), 'Monday',
if(equals(dayOfWeek(), 2), 'Tuesday',
if(equals(dayOfWeek(), 3), 'Wednesday',
if(equals(dayOfWeek(), 4), 'Thursday',
if(equals(dayOfWeek(), 5), 'Friday', 'Saturday')))))
Create an expression with Copilot
Function
Dynamic content

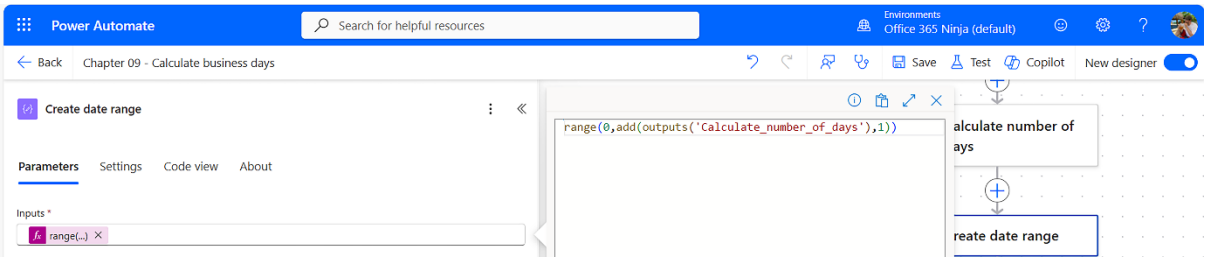

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 09 - Find Day of Week
Save
Test
Copilot
New designer
Calculate day of week
Parameters
Settings
Code view
About
Inputs *
if(...)
if(equals(dayOfWeek(triggerBody()?['date']), 0), 'Sunday',
if(equals(dayOfWeek(triggerBody()?['date']), 1), 'Monday',
if(equals(dayOfWeek(triggerBody()?['date']), 2), 'Tuesday',
if(equals(dayOfWeek(triggerBody()?['date']), 3), 'Wednesday',
if(equals(dayOfWeek(triggerBody()?['date']), 4), 'Thursday',
if(equals(dayOfWeek(triggerBody()?['date']), 5), 'Friday',
'Saturday'))))))
Create an expression with Copilot
Function
Dynamic content
Date
Manually trigger a flow
Date
Please enter or select a date (YYYY-MM-DD)

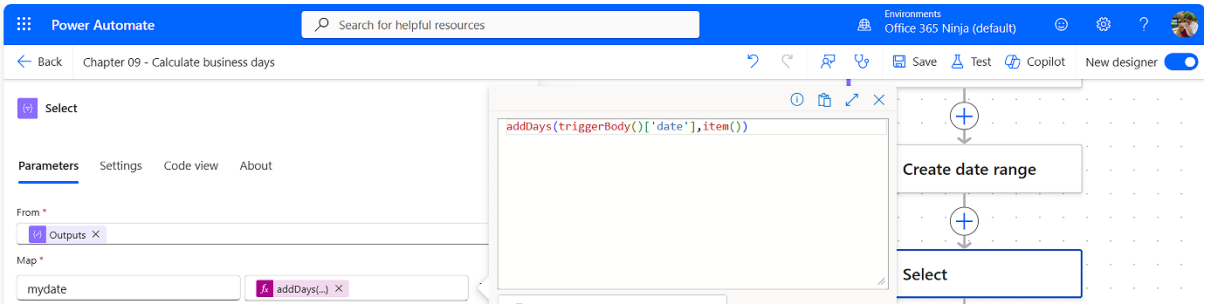

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Day of week
Copilot
Edit
Compose 1
Run results
Settings
Code view
About
Inputs
Sunday
OUTPUTS
Show raw outputs
Outputs
Sunday
0s
Manually trigger a flow
0s
Compose
0s
Compose 1

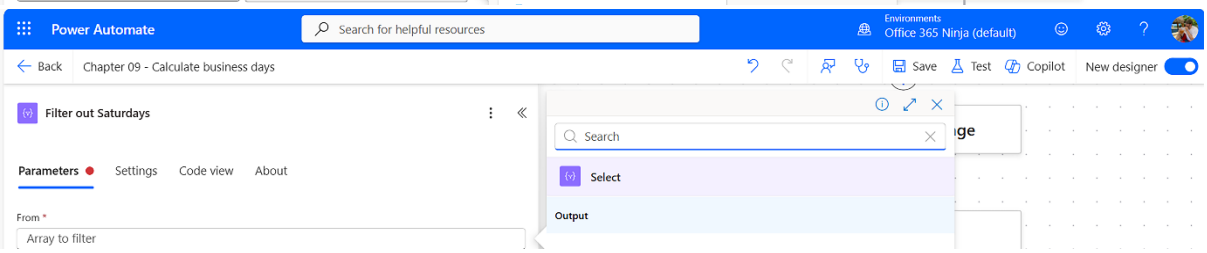

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Button -> Compose
Save
Test
Copilot
New designer
Switch
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

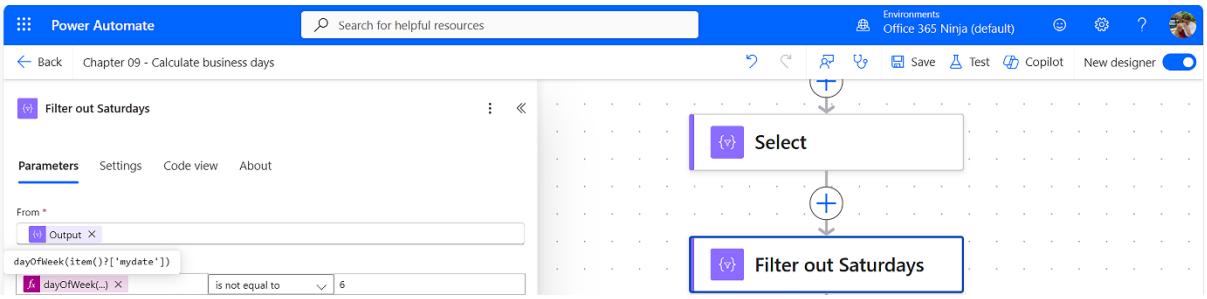

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Start date
Please enter or select a date (YYYY-MM-DD)
End date
Please enter or select a date (YYYY-MM-DD)
Manually trigger a flow

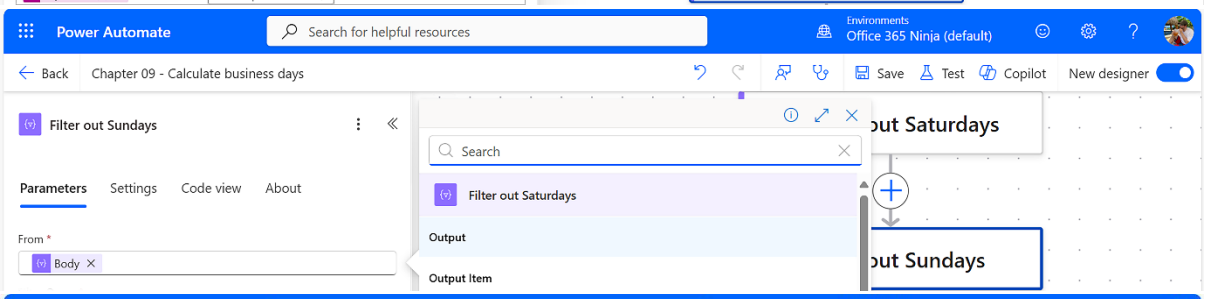

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Calculate number of days
Parameters
Settings
Code view
About
Inputs *
div(...)
div(sub(ticks(triggerBody()?['date_1']),ticks(triggerBody()?['date']
)),864000000000)
er a

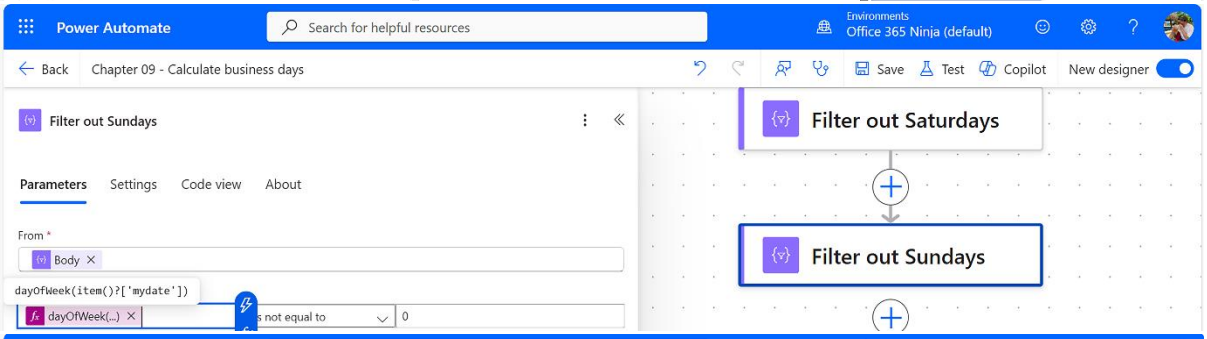

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Create date range
Parameters
Settings
Code view
About
Inputs *
range(...)
range(0,add(outputs('Calculate_number_of_days'),1))
alculate number of
ays
reate date range

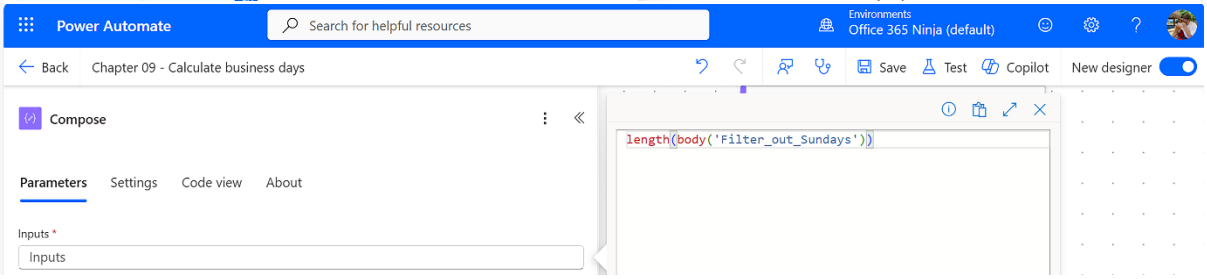

Power Automate
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Select
Parameters
Settings
Code view
About
From *
Outputs
Map *
mydate
addDays(...)
addDays(triggerBody()['date'],item())
Create date range
Select

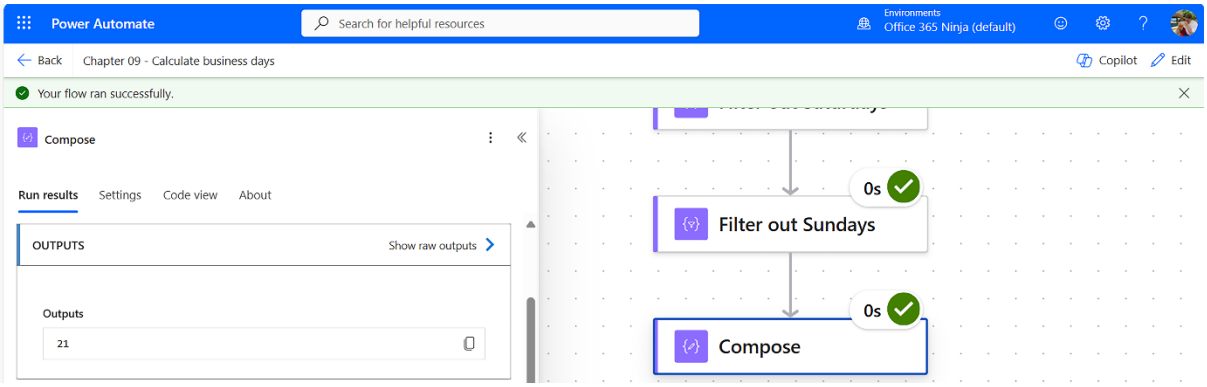

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Filter out Saturdays
Parameters
Settings
Code view
About
From *
Array to filter
Search
Select
Output

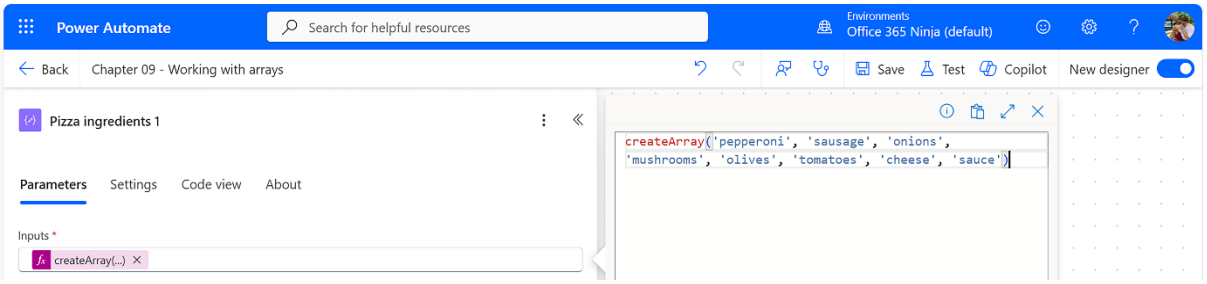

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Filter out Saturdays
Parameters
Settings
Code view
About
From *
Output
dayOfWeek(item()?['mydate'])
dayOfWeek(...)
is not equal to
6
Select
Filter out Saturdays

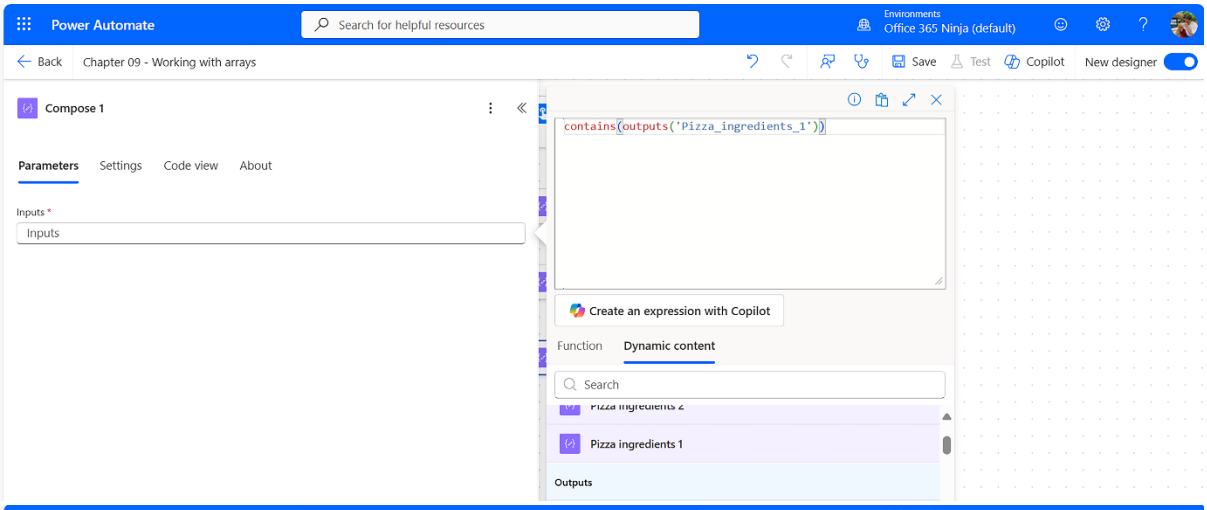

Power Automate
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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Filter out Sundays
Parameters
Settings
Code view
About
From *
Body
Search
Filter out Saturdays
Output
Output Item
ut Saturdays
ut Sundays

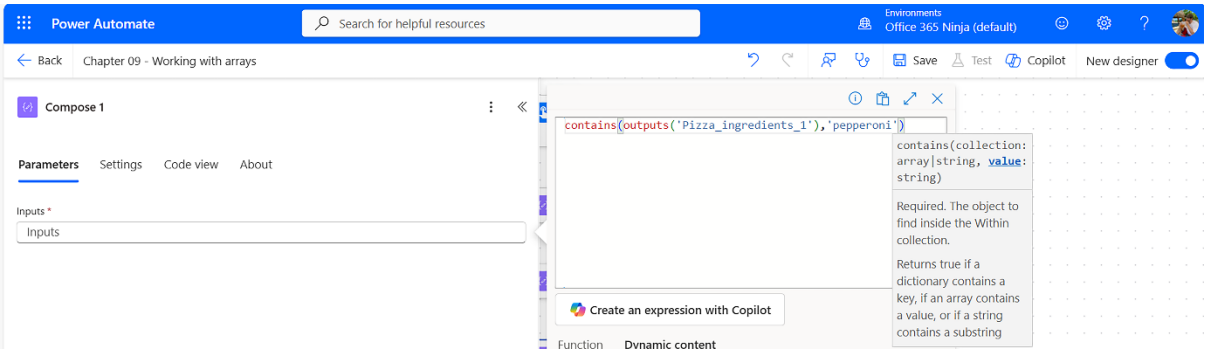

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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Filter out Sundays
Parameters
Settings
Code view
About
From *
Body
dayOfWeek(item()?['mydate'])
dayOfWeek(...)
not equal to
0
Filter out Saturdays
Filter out Sundays

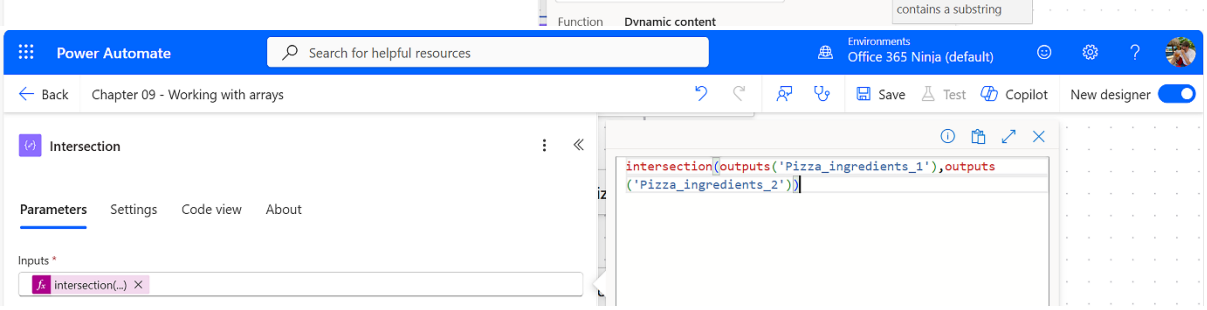

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Chapter 09 - Calculate business days
Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
Inputs
length(body('Filter_out_Sundays'))

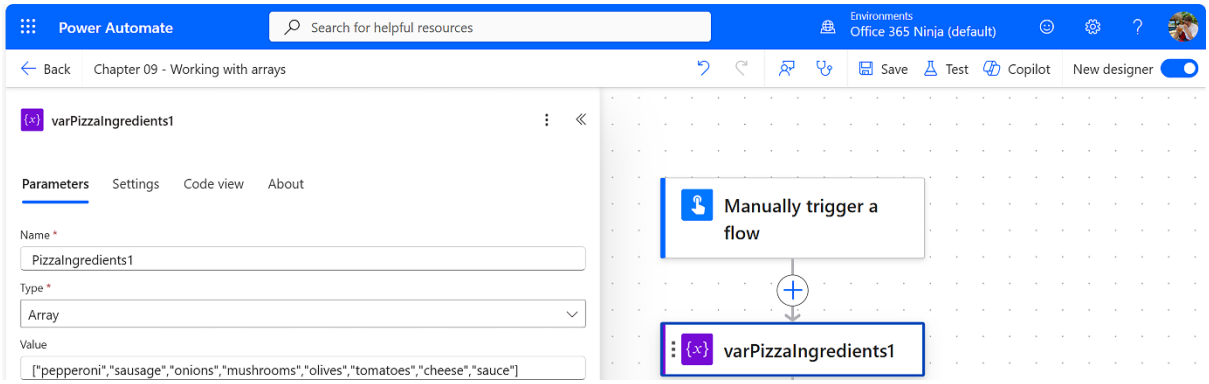

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 09 - Calculate business days
Copilot
Edit
Your flow ran successfully.
Compose
Run results
Settings
Code view
About
OUTPUTS
Show raw outputs
Outputs
21
0s
Filter out Sundays
0s
Compose


Power Automate
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Office 365 Ninja (default)
Back
Chapter 09 - Working with arrays
Save
Test
Copilot
New designer
Pizza ingredients 1
Parameters
Settings
Code view
About
Inputs *
createArray(...)
createArray('pepperoni', 'sausage', 'onions',
'mushrooms', 'olives', 'tomatoes', 'cheese', 'sauce')

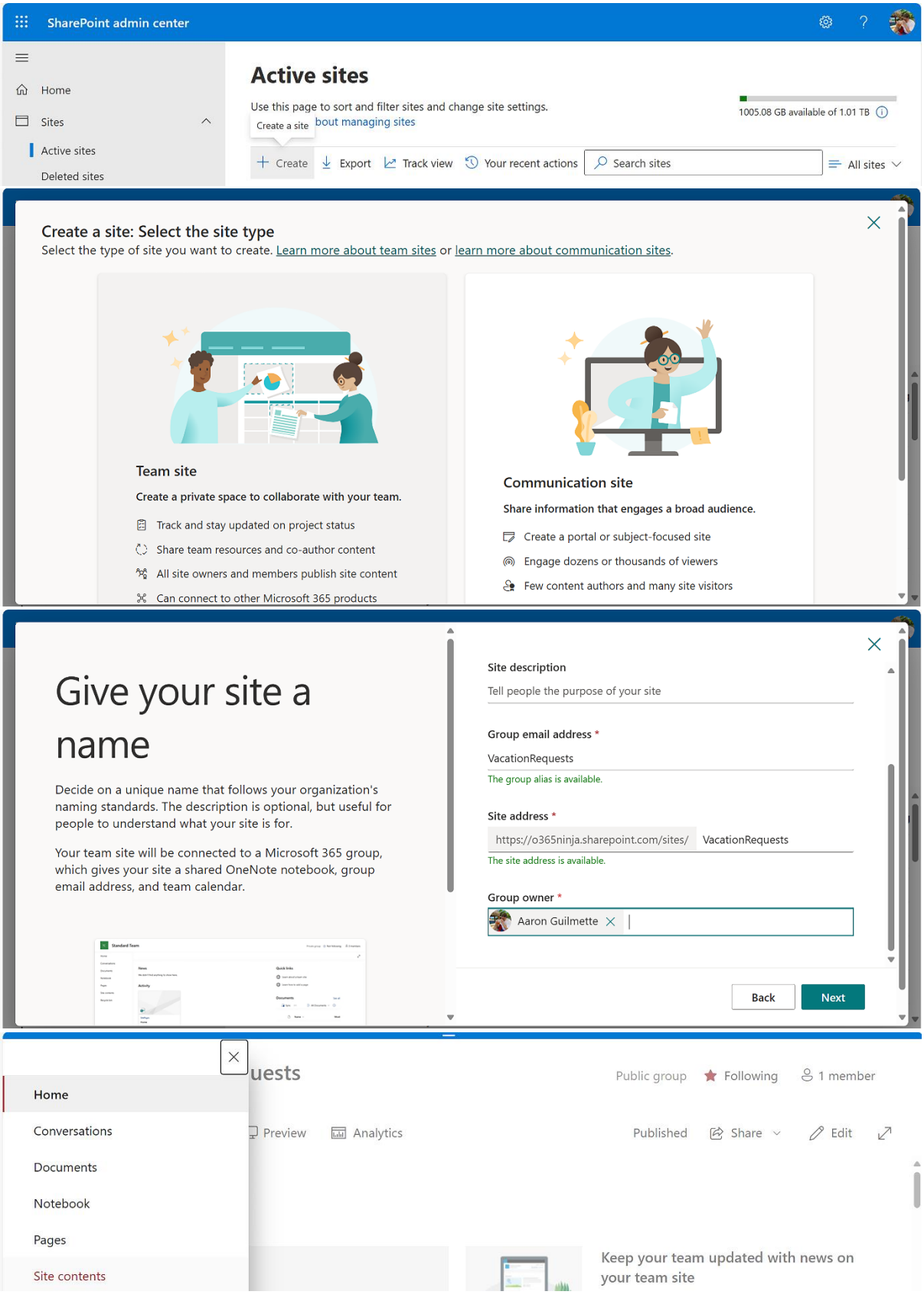

Power Automate
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Office 365 Ninja (default)
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Chapter 09 - Working with arrays
Save
Test
Copilot
New designer
Compose 1
Parameters
Settings
Code view
About
Inputs *
Inputs
contains(outputs('Pizza_ingredients_1'))
Create an expression with Copilot
Function
Dynamic content
Search
Pizza ingredients 1
Outputs

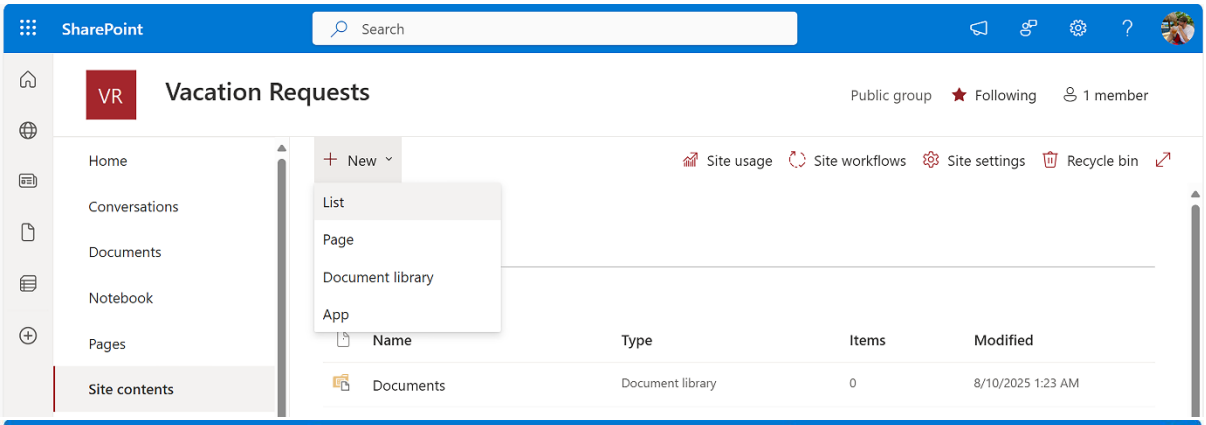

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 09 - Working with arrays
Save
Test
Copilot
New designer
Compose 1
Parameters
Settings
Code view
About
Inputs *
Inputs
contains(outputs('Pizza_ingredients_1'),'pepperoni')
contains(collection: array|string, value: string)
Required. The object to find inside the Within collection.
Returns true if a dictionary contains a key, if an array contains a value, or if a string contains a substring
Create an expression with Copilot
Function
Dynamic content

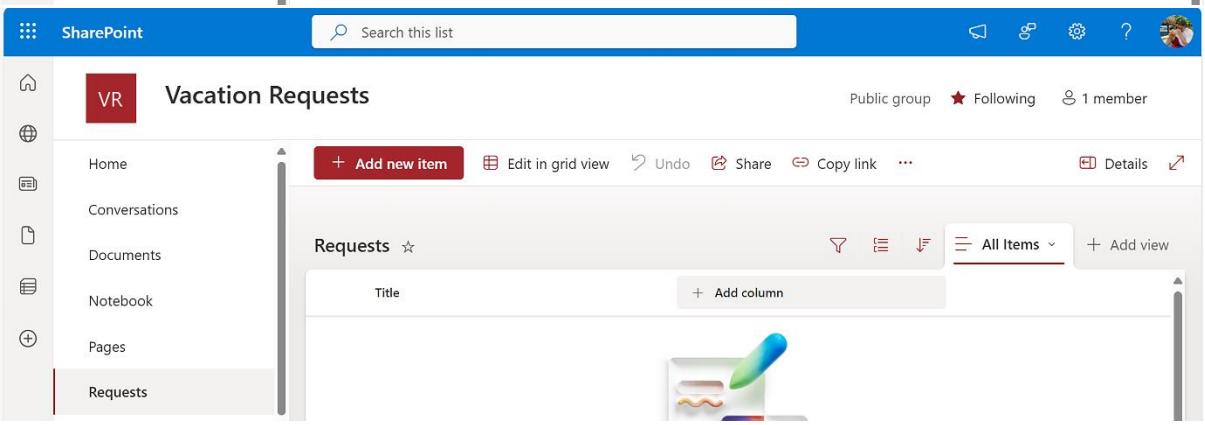

Power Automate
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Office 365 Ninja (default)
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Chapter 09 - Working with arrays
Save
Test
Copilot
New designer
Intersection
Parameters
Settings
Code view
About
Inputs *
intersection(...)
intersection(outputs('Pizza_ingredients_1'),outputs
('Pizza_ingredients_2'))

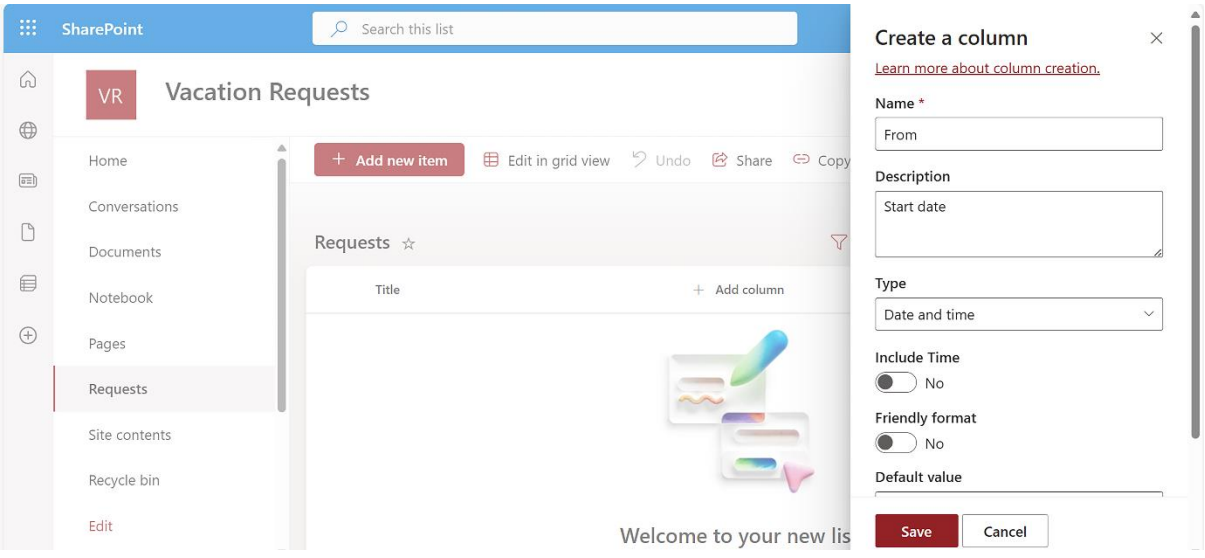

Power Automate
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Chapter 09 - Working with arrays
Save
Test
Copilot
New designer
varPizzaIngredients1
Parameters
Settings
Code view
About
Name *
PizzaIngredients1
Type *
Array
Value
["pepperoni","sausage","onions","mushrooms","olives","tomatoes","cheese","sauce"]
Manually trigger a flow
varPizzaIngredients1

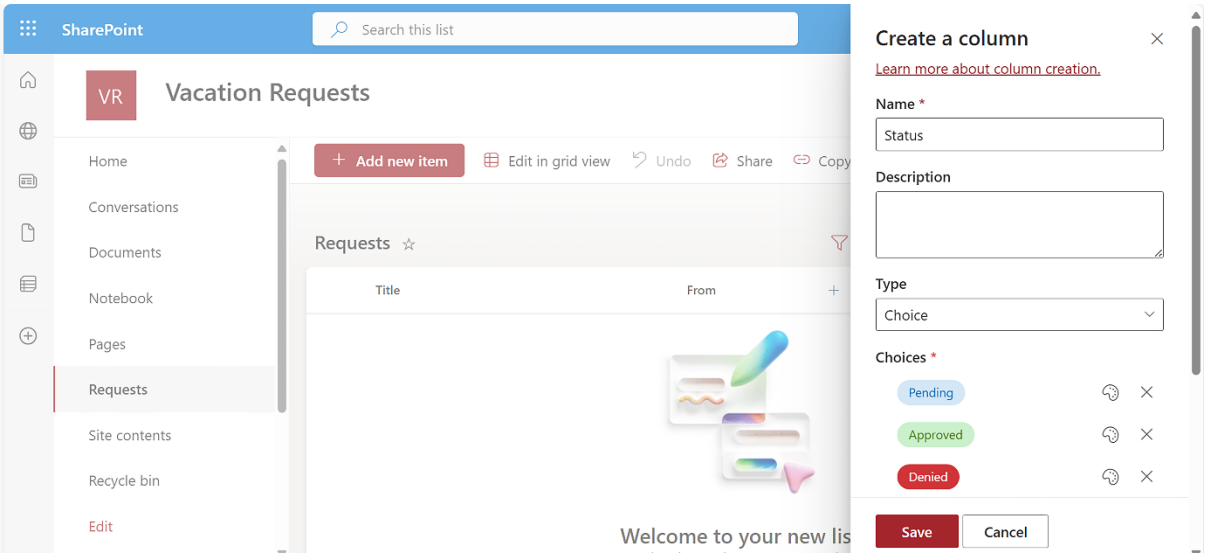
# Chapter 10: Getting Started with Approvals

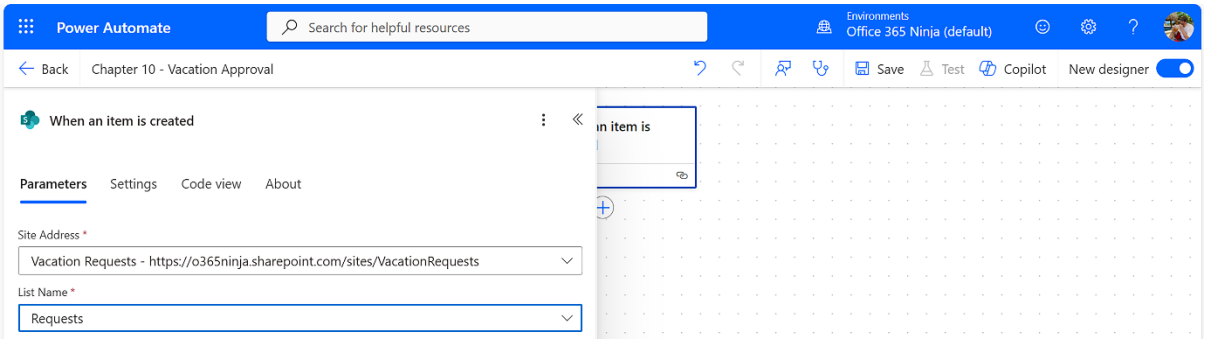


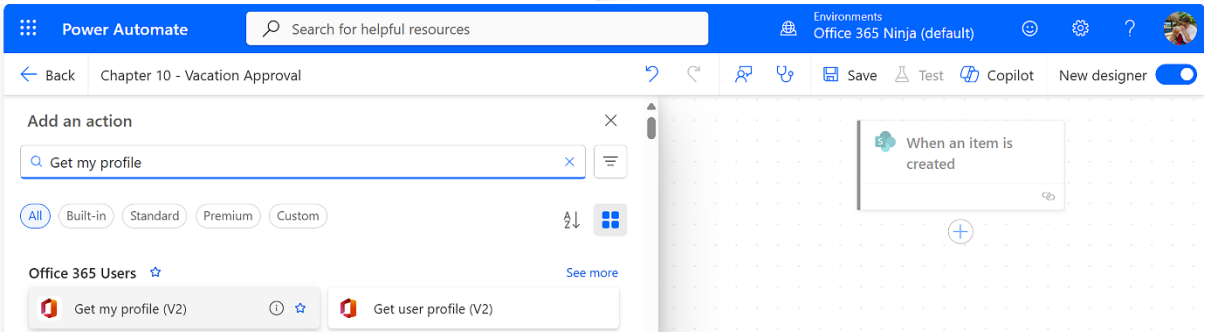

SharePoint
Search
VR
Vacation Requests
Public group
Following
1 member
Home
Conversations
Documents
Notebook
Pages
Site contents
New
Site usage
Site workflows
Site settings
Recycle bin
List
Page
Document library
App
Name
Type
Items
Modified
Documents
Document library
0
8/10/2025 1:23 AM

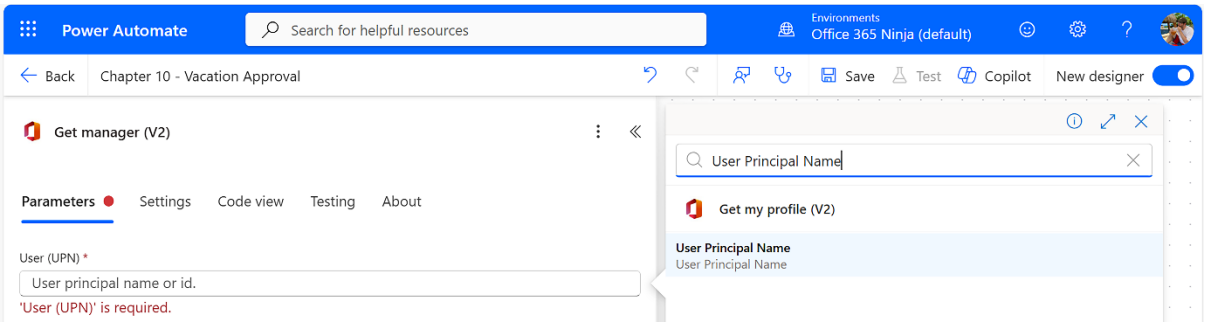

SharePoint
Search this list
VR
Vacation Requests
Public group
Following
1 member
Home
Conversations
Documents
Notebook
Pages
Requests
Add new item
Edit in grid view
Undo
Share
Copy link
Details
Requests
All Items
Add view
Title
Add column

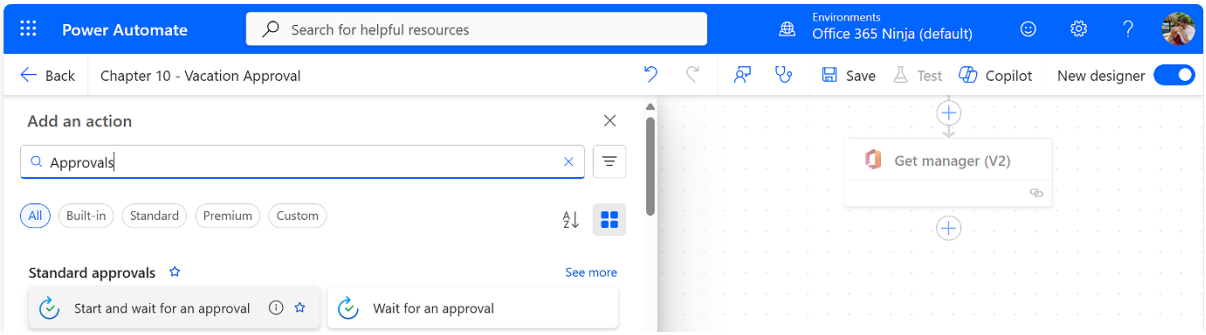

SharePoint
Search this list
VR
Vacation Requests
Home
Conversations
Documents
Notebook
Pages
Requests
Site contents
Recycle bin
Edit
Add new item
Edit in grid view
Undo
Share
Requests
Title
Add column
Welcome to your new lis
Create a column
Learn more about column creation.
Name *
From
Description
Start date
Type
Date and time
Include Time
No
Friendly format
No
Default value
Save
Cancel

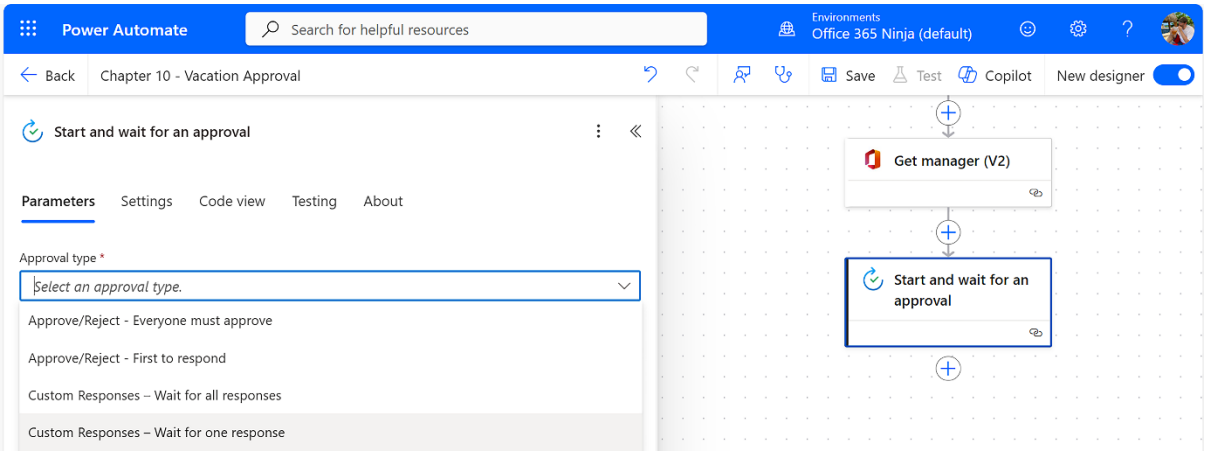

SharePoint
Search this list
VR
Vacation Requests
Home
Conversations
Documents
Notebook
Pages
Requests
Site contents
Recycle bin
Edit
Add new item
Edit in grid view
Undo
Share
Requests
Title
From
Welcome to your new lis
Create a column
Learn more about column creation.
Name *
Status
Description
Type
Choice
Choices *
Pending
Approved
Denied
Save
Cancel

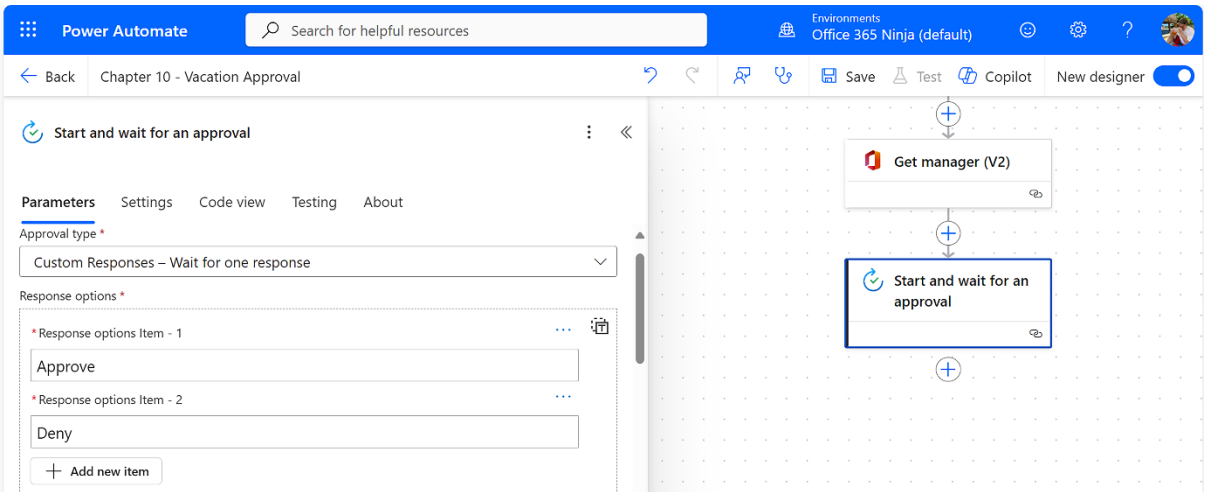

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
When an item is created
Parameters
Settings
Code view
About
Site Address *
Vacation Requests - https://o365ninja.sharepoint.com/sites/VacationRequests
List Name *
Requests

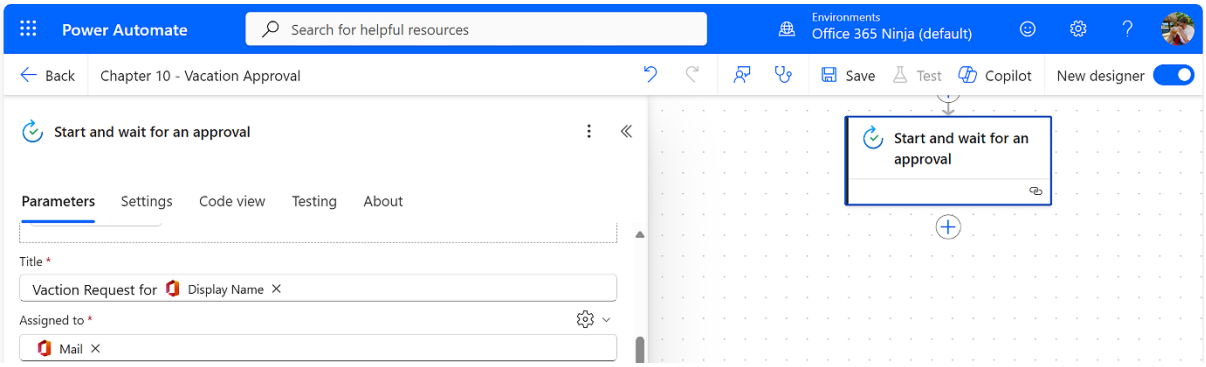

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Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Add an action
Get my profile
All
Built-in
Standard
Premium
Custom
Office 365 Users
See more
Get my profile (V2)
Get user profile (V2)
When an item is created

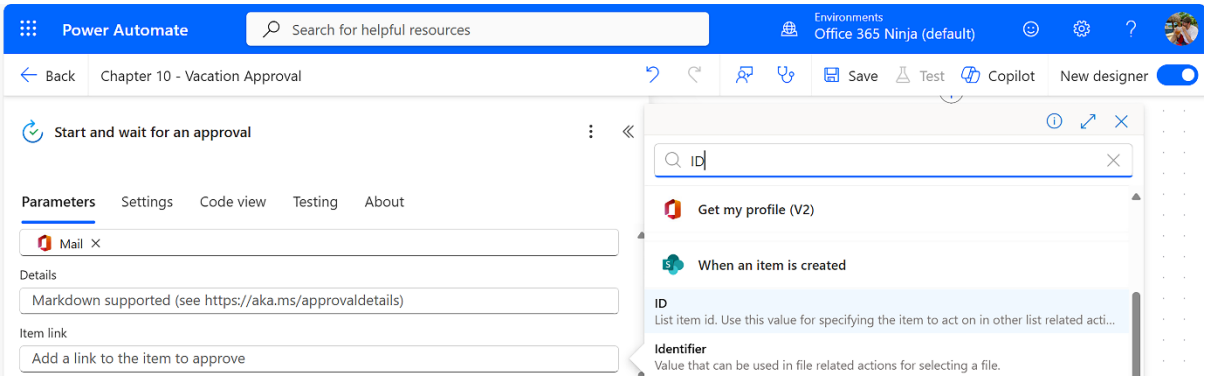

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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
User (UPN) *
User principal name or id.
'User (UPN)' is required.
User Principal Name
Get my profile (V2)
User Principal Name
User Principal Name

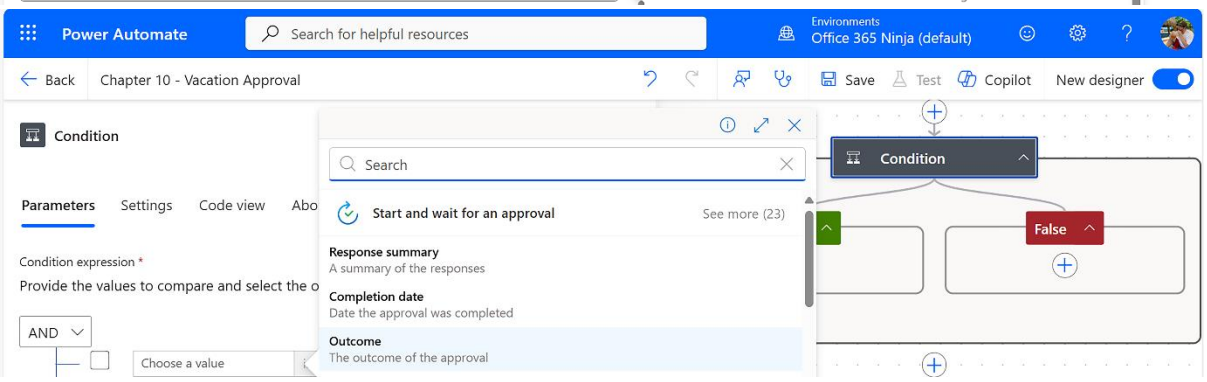

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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Add an action
Approvals
All
Built-in
Standard
Premium
Custom
Standard approvals
See more
Start and wait for an approval
Wait for an approval
Get manager (V2)

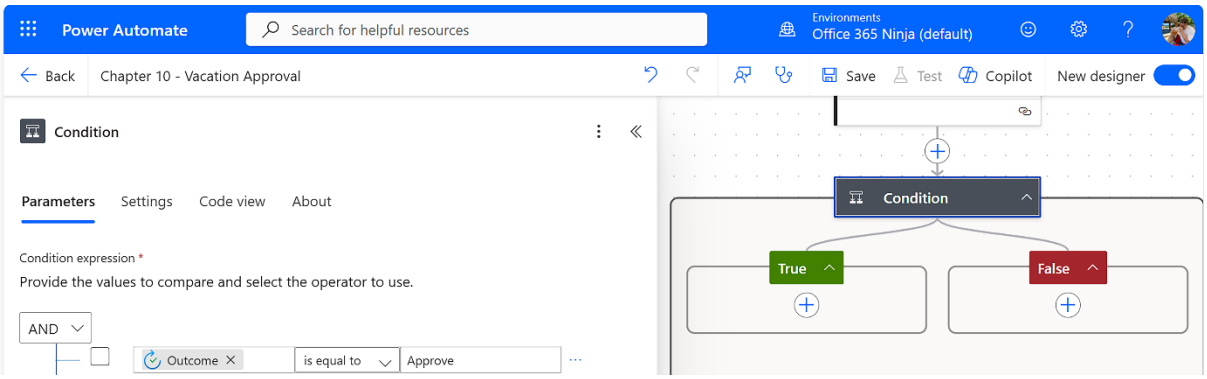

Power Automate
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Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Start and wait for an approval
Parameters
Settings
Code view
Testing
About
Approval type *
Select an approval type.
Approve/Reject - Everyone must approve
Approve/Reject - First to respond
Custom Responses – Wait for all responses
Custom Responses – Wait for one response
Get manager (V2)
Start and wait for an approval

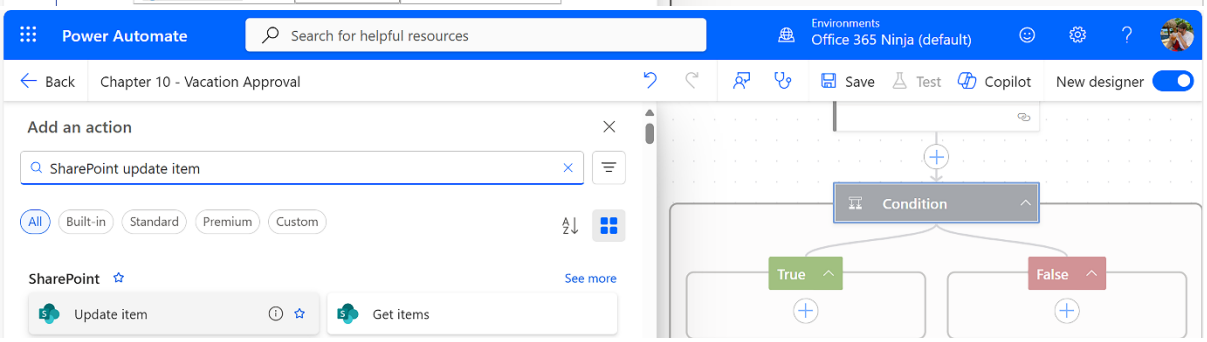

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Start and wait for an approval
Parameters
Settings
Code view
Testing
About
Approval type *
Custom Responses – Wait for one response
Response options *
* Response options Item - 1
Approve
* Response options Item - 2
Deny
Add new item
Get manager (V2)
Start and wait for an approval

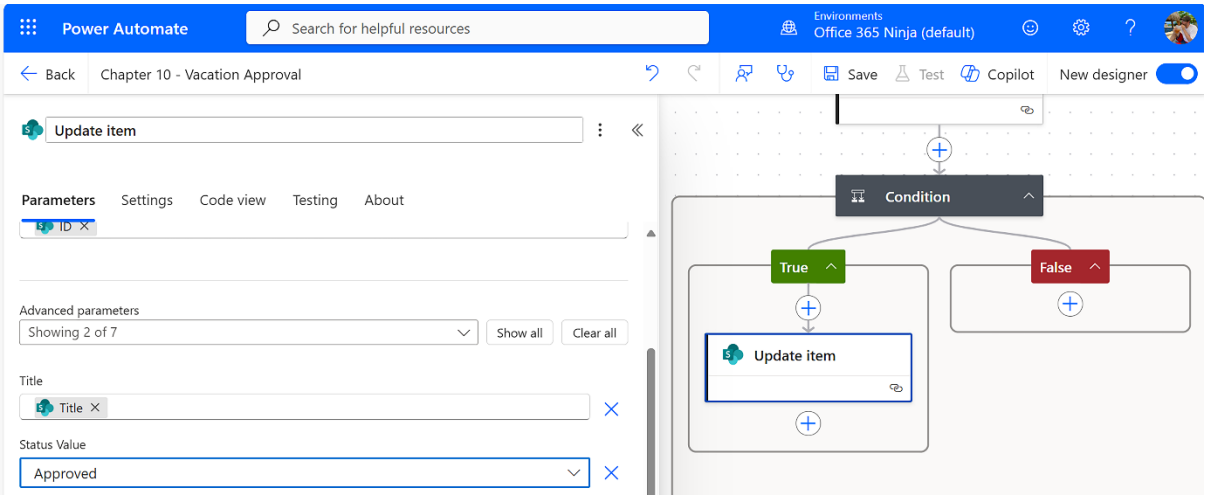

Power Automate
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Environments
Office 365 Ninja (default)
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Save
Test
Copilot
New designer
Start and wait for an approval
Parameters
Settings
Code view
Testing
About
Title *
Vaction Request for
Display Name
Assigned to *
Mail
Start and wait for an approval

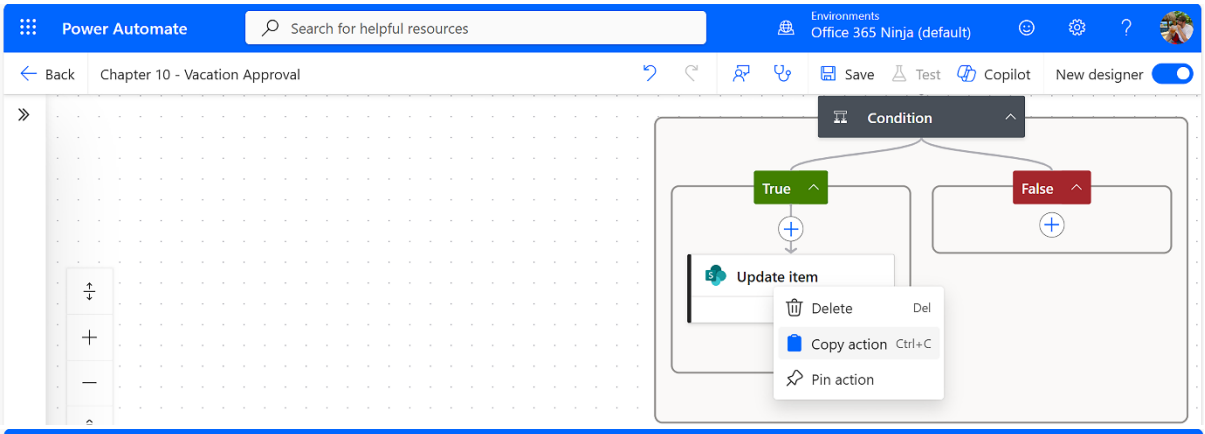

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Save
Test
Copilot
New designer
Start and wait for an approval
Parameters
Settings
Code view
Testing
About
Mail
Details
Markdown supported (see https://aka.ms/approvaldetails)
Item link
Add a link to the item to approve
ID
Get my profile (V2)
When an item is created
ID
List item id. Use this value for specifying the item to act on in other list related acti...
Identifier
Value that can be used in file related actions for selecting a file.

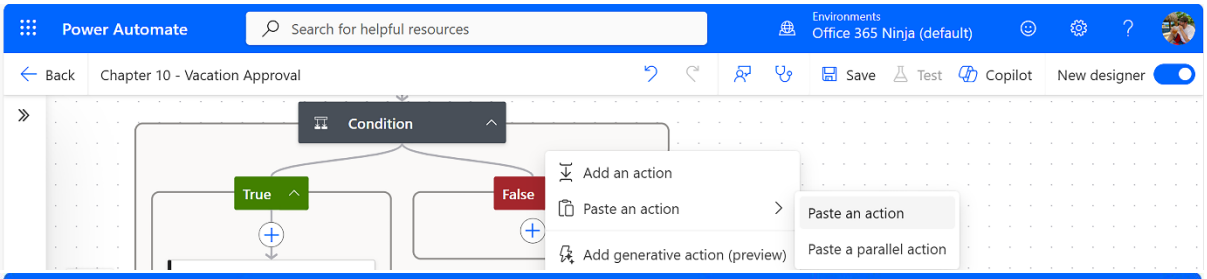

Power Automate
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Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
Abo
Condition expression *
Provide the values to compare and select the o
AND
Choose a value
Search
Start and wait for an approval
See more (23)
Response summary
A summary of the responses
Completion date
Date the approval was completed
Outcome
The outcome of the approval
Condition
False

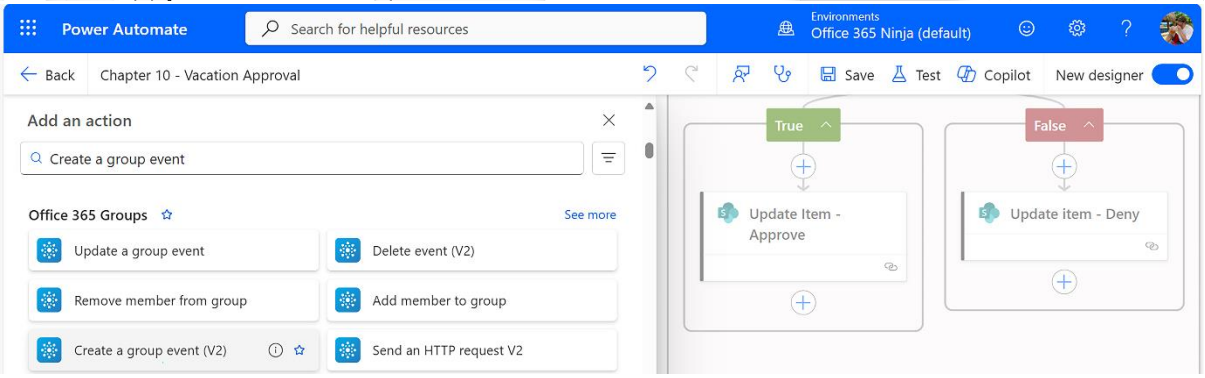

Power Automate
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Environments
Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
Outcome
is equal to
Approve
Condition
True
False

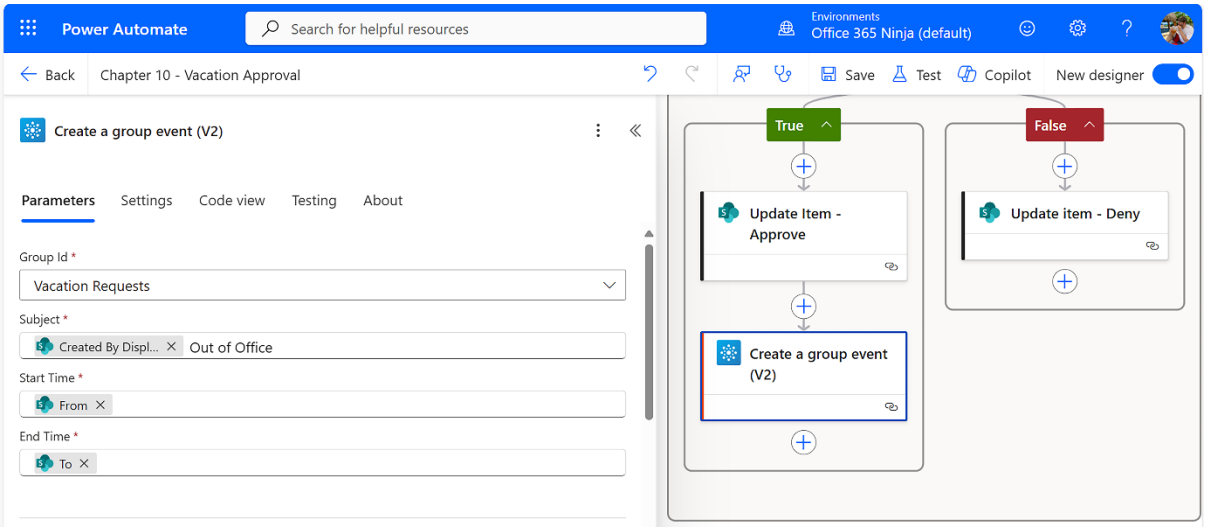

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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Add an action
SharePoint update item
All
Built-in
Standard
Premium
Custom
SharePoint
See more
Update item
Get items
Condition
True
False

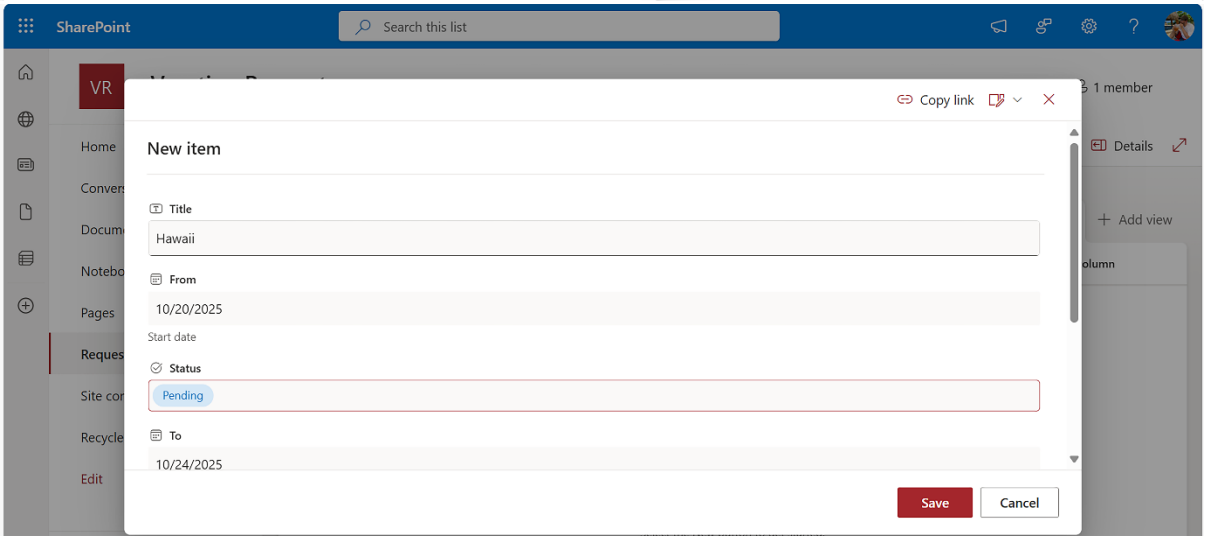

Power Automate
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Environments
Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Update item
Parameters
Settings
Code view
Testing
About
ID
Advanced parameters
Showing 2 of 7
Show all
Clear all
Title
Title
Status Value
Approved
Condition
True
False
Update item

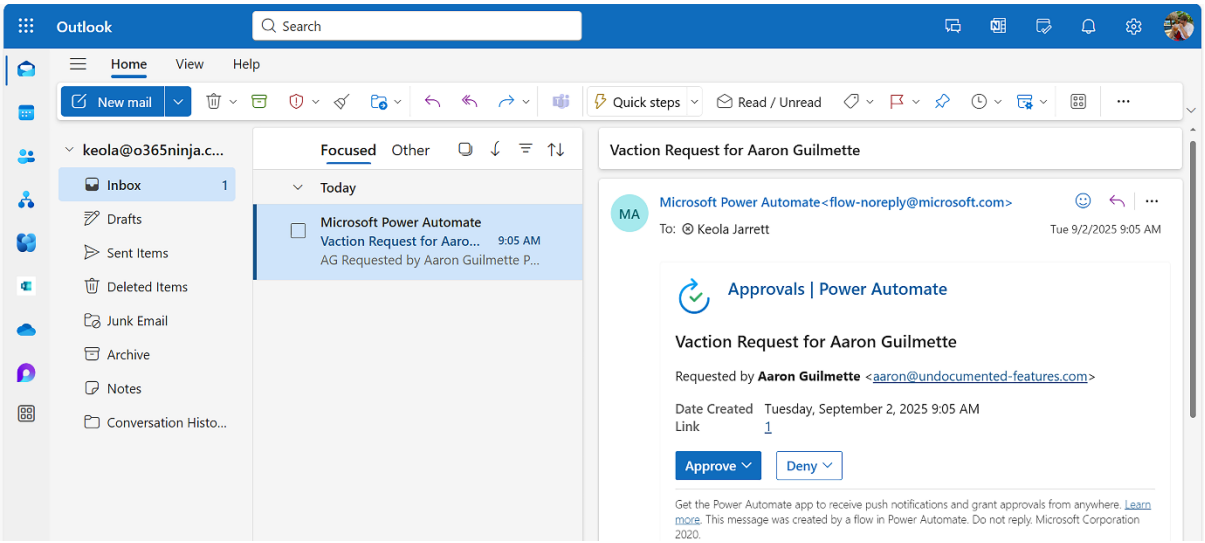

Power Automate
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Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Condition
True
False
Update item
Delete
Del
Copy action
Ctrl+C
Pin action

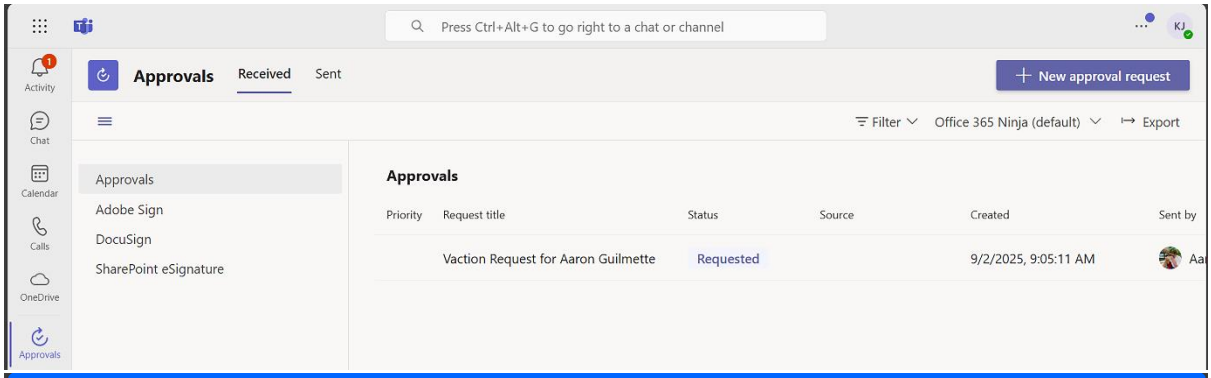

Power Automate
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Save
Test
Copilot
New designer
Condition
True
False
Add an action
Paste an action
Add generative action (preview)
Paste an action
Paste a parallel action

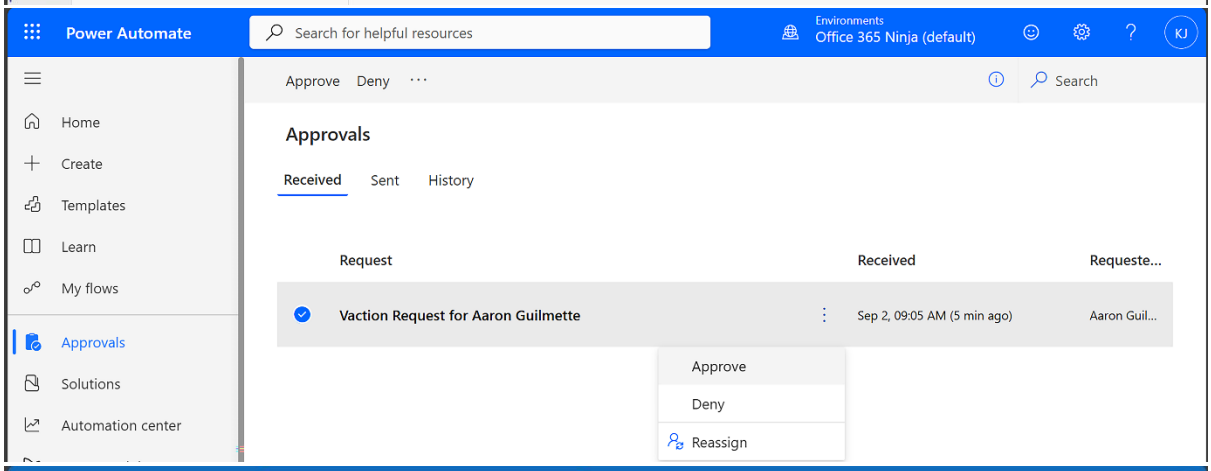

Power Automate
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Add an action
Create a group event
Office 365 Groups
See more
Update a group event
Delete event (V2)
Remove member from group
Add member to group
Create a group event (V2)
Send an HTTP request V2
True
False
Update Item - Approve
Update item - Deny

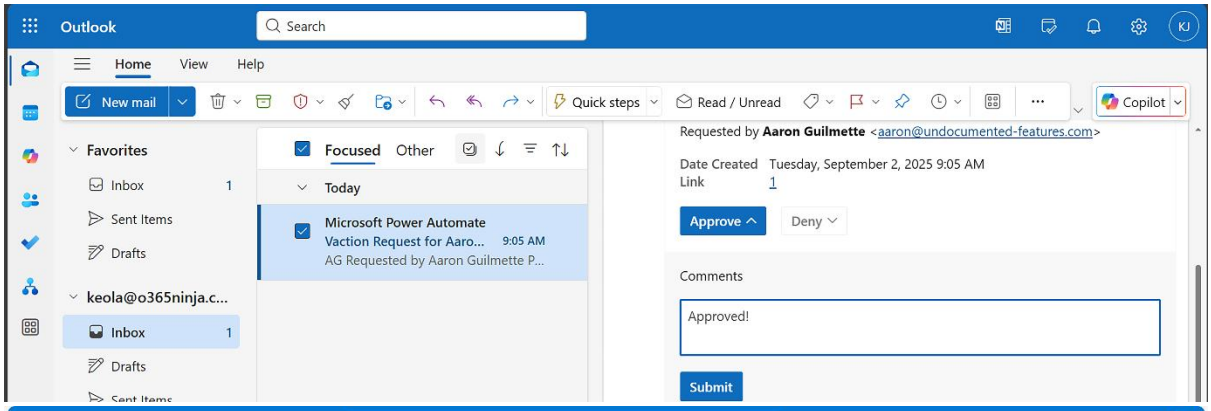

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
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Chapter 10 - Vacation Approval
Save
Test
Copilot
New designer
Create a group event (V2)
Parameters
Settings
Code view
Testing
About
Group Id *
Vacation Requests
Subject *
Created By Displ...
Out of Office
Start Time *
From
End Time *
To
True
False
Update Item - Approve
Create a group event (V2)
Update item - Deny

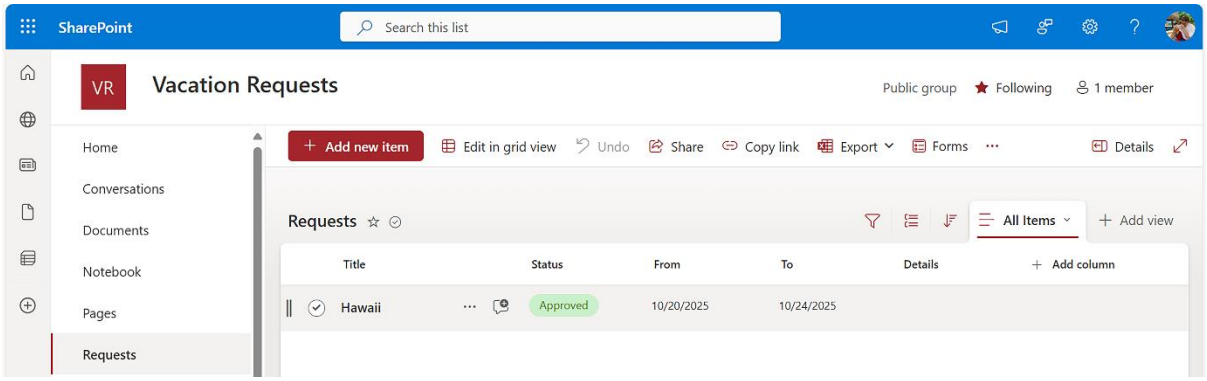

SharePoint
Search this list
Copy link
New item
Title
Hawaii
From
10/20/2025
Start date
Status
Pending
To
10/24/2025
Save
Cancel

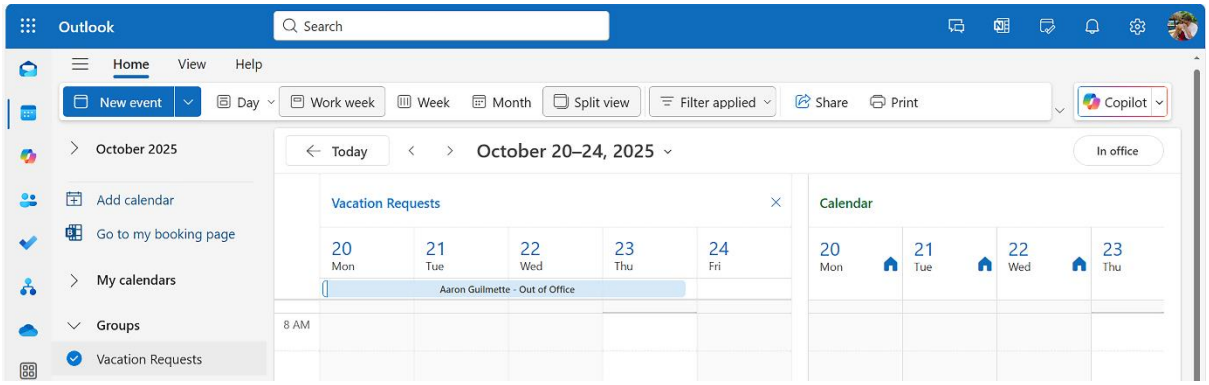

Outlook
Search
Home
View
Help
New mail
Quick steps
Read / Unread
keola@o365ninja.c...
Inbox
Drafts
Sent Items
Deleted Items
Junk Email
Archive
Notes
Conversation Histo...
Focused
Other
Today
Microsoft Power Automate
Vaction Request for Aaro...
9:05 AM
AG Requested by Aaron Guilmette P...
Vaction Request for Aaron Guilmette
MA
Microsoft Power Automate<flow-noreply@microsoft.com>
To: Keola Jarrett
Tue 9/2/2025 9:05 AM
Approvals | Power Automate
Vaction Request for Aaron Guilmette
Requested by Aaron Guilmette <aaron@undocumented-features.com>
Date Created Tuesday, September 2, 2025 9:05 AM
Link 1
Approve
Deny
Get the Power Automate app to receive push notifications and grant approvals from anywhere. Learn more. This message was created by a flow in Power Automate. Do not reply. Microsoft Corporation 2020.


Press Ctrl+Alt+G to go right to a chat or channel
Activity
Chat
Calendar
Calls
OneDrive
Approvals
Approvals
Received
Sent
New approval request
Filter
Office 365 Ninja (default)
Export
Approvals
Adobe Sign
DocuSign
SharePoint eSignature
Approvals
Priority
Request title
Status
Source
Created
Sent by
Vaction Request for Aaron Guilmette
Requested
9/2/2025, 9:05:11 AM

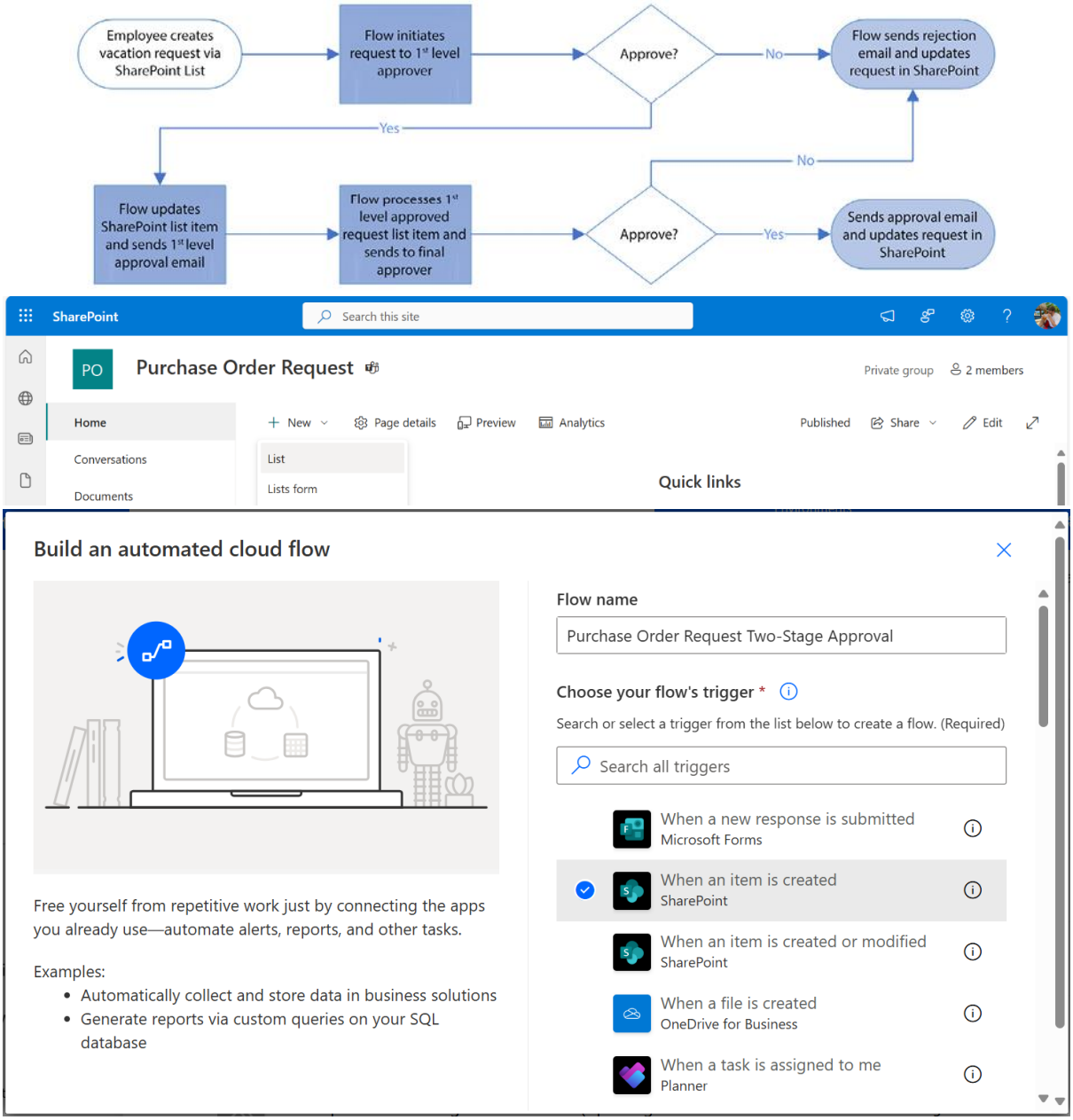

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Approve
Deny
Search
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Automation center
Approvals
Received
Sent
History
Request
Received
Requeste...
Vaction Request for Aaron Guilmette
Sep 2, 09:05 AM (5 min ago)
Aaron Guil...
Approve
Deny
Reassign

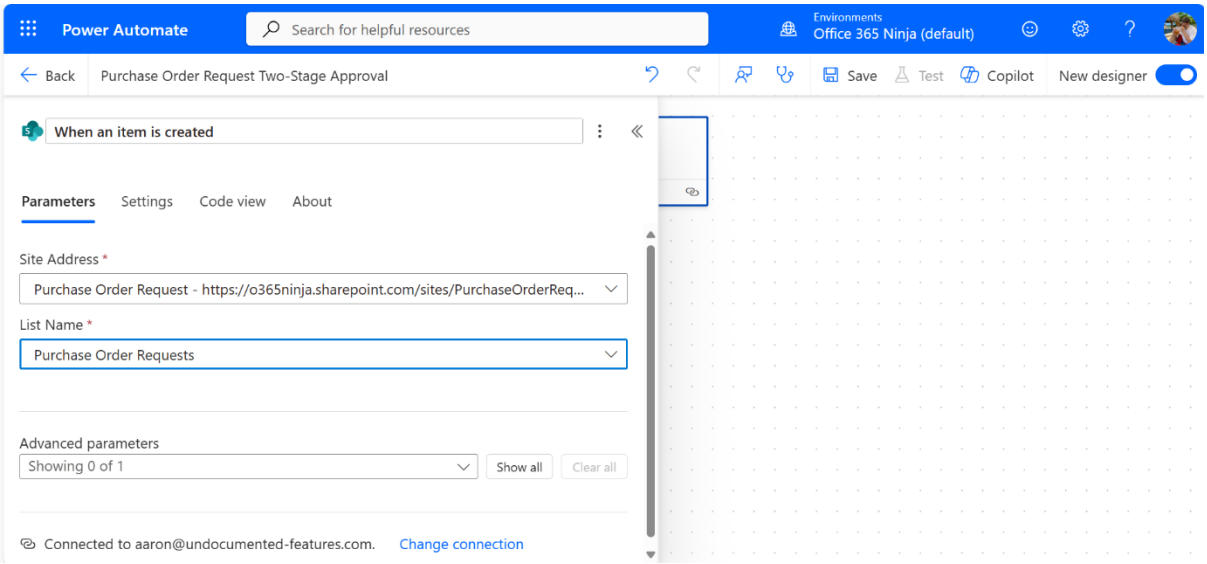

Outlook
Search
Home
View
Help
New mail
Quick steps
Read / Unread
Copilot
Favorites
Inbox 1
Sent Items
Drafts
keola@o365ninja.c...
Inbox 1
Drafts
Focused
Other
Today
Microsoft Power Automate
Vaction Request for Aaro... 9:05 AM
AG Requested by Aaron Guilmette P...
Requested by Aaron Guilmette <aaron@undocumented-features.com>
Date Created Tuesday, September 2, 2025 9:05 AM
Link 1
Approve
Deny
Comments
Approved!
Submit

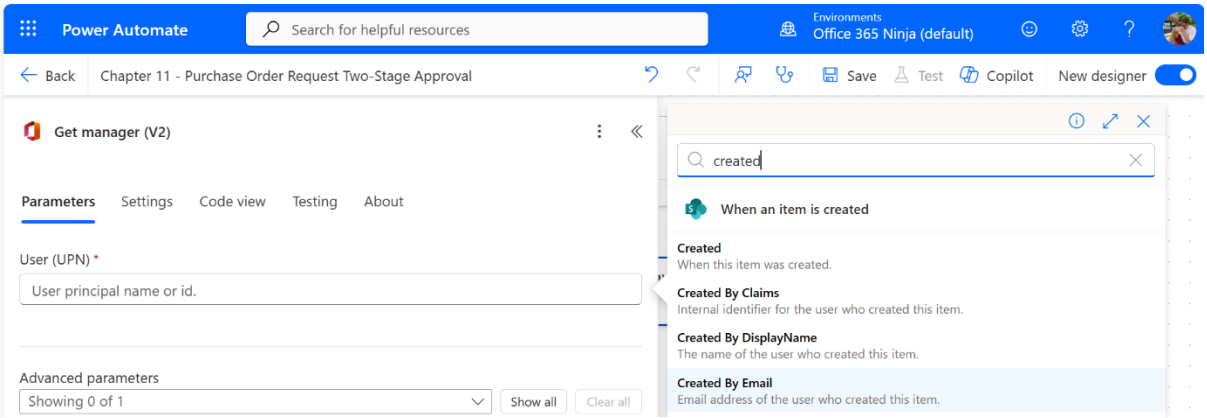

SharePoint
Search this list
VR
Vacation Requests
Public group
Following
1 member
Home
Conversations
Documents
Notebook
Pages
Requests
Add new item
Edit in grid view
Undo
Share
Copy link
Export
Forms
Details
Requests
All Items
Add view
Title
Status
From
To
Details
Add column
Hawaii
Approved
10/20/2025
10/24/2025

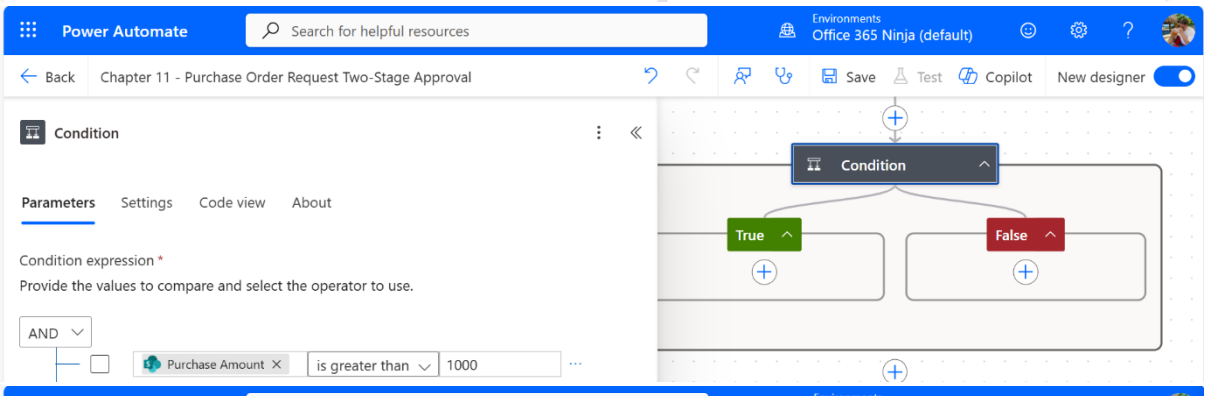

Outlook
Search
Home
View
Help
New event
Day
Work week
Week
Month
Split view
Filter applied
Share
Print
Copilot
October 2025
Add calendar
Go to my booking page
My calendars
Groups
Vacation Requests
Today
October 20–24, 2025
In office
Vacation Requests
20 Mon
21 Tue
22 Wed
23 Thu
24 Fri
Aaron Guilmette - Out of Office
8 AM
Calendar
20 Mon
21 Tue
22 Wed
23 Thu

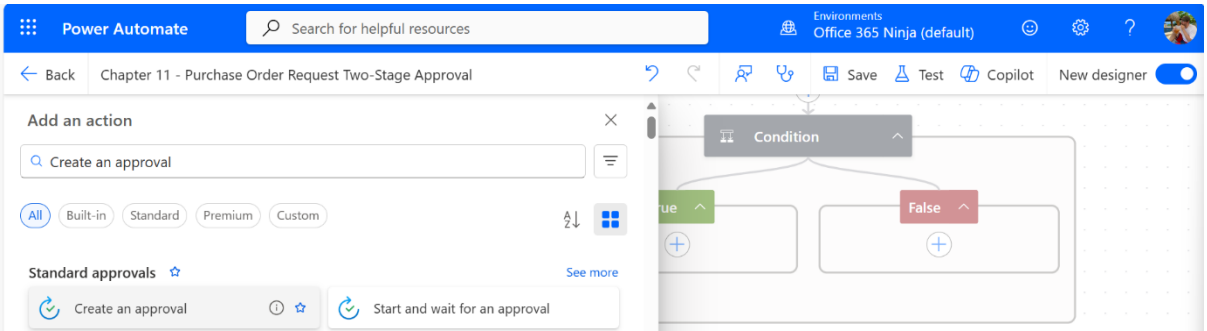
# Chapter 11: Working with Multiple Approvals

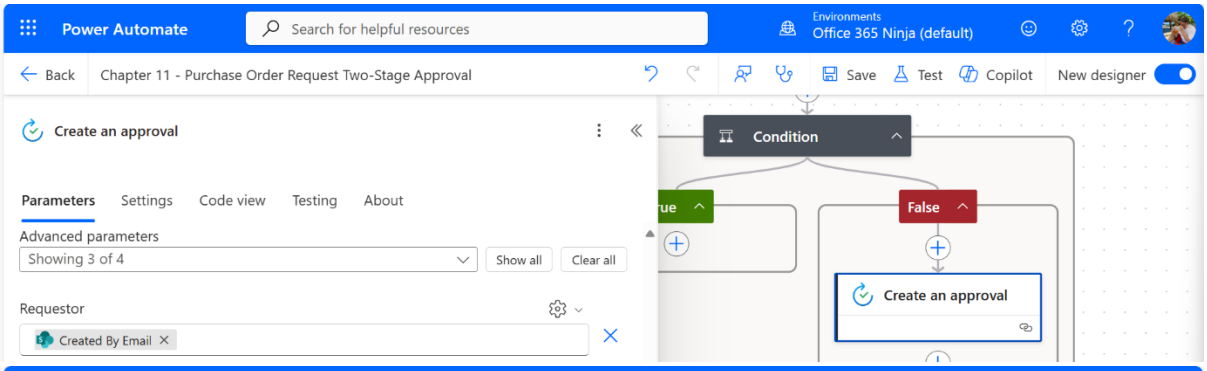


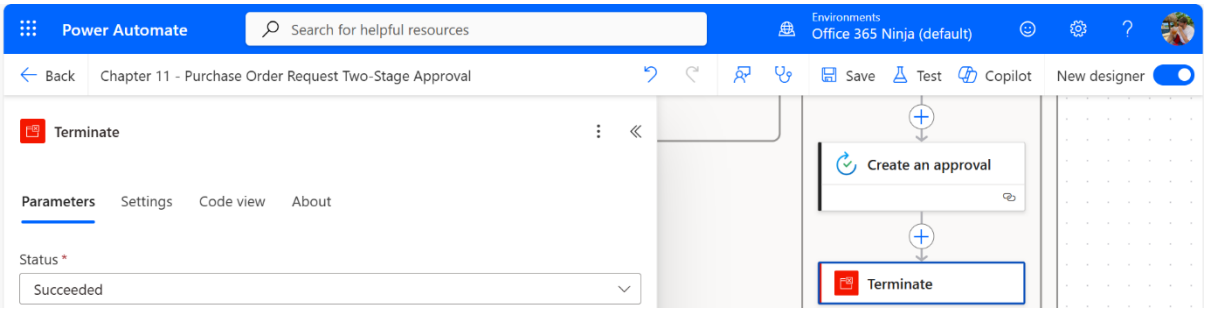

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
When an item is created
Parameters
Settings
Code view
About
Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
List Name *
Purchase Order Requests
Advanced parameters
Showing 0 of 1
Show all
Clear all
Connected to aaron@undocumented-features.com.
Change connection

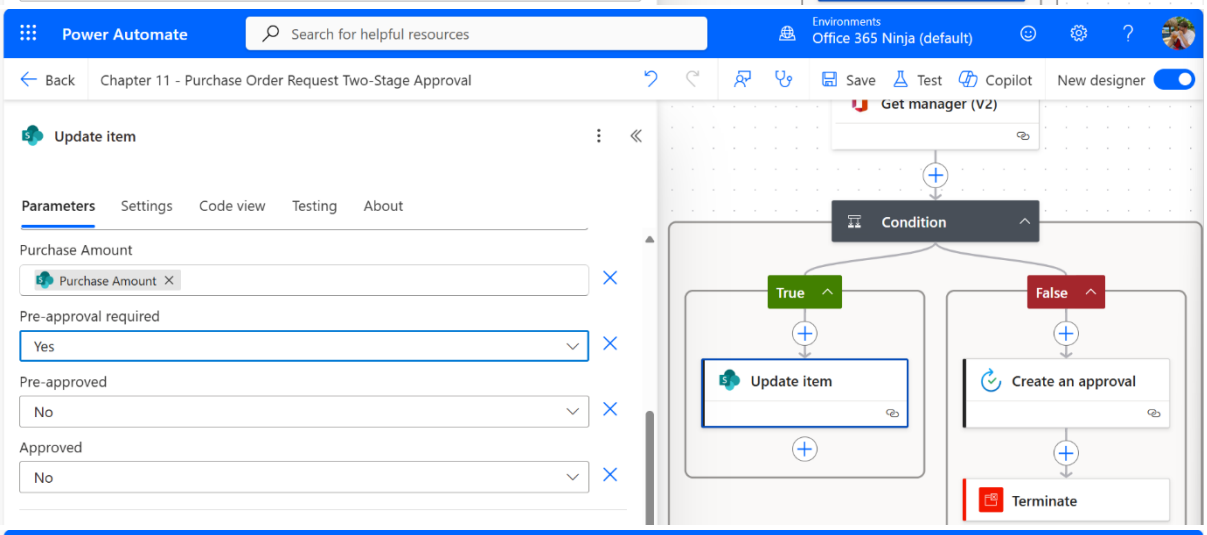

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Get manager (V2)
Parameters
Settings
Code view
Testing
About
User (UPN) *
User principal name or id.
Advanced parameters
Showing 0 of 1
Show all
Clear all
created
When an item is created
Created
When this item was created.
Created By Claims
Internal identifier for the user who created this item.
Created By DisplayName
The name of the user who created this item.
Created By Email
Email address of the user who created this item.

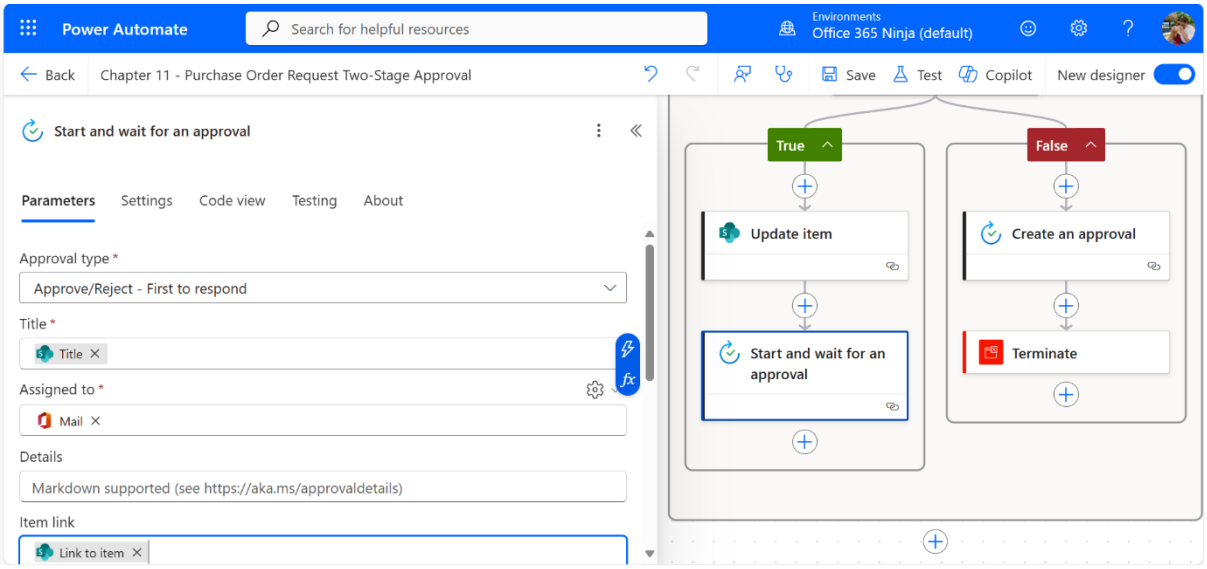

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
Purchase Amount
is greater than
1000
Condition
True
False

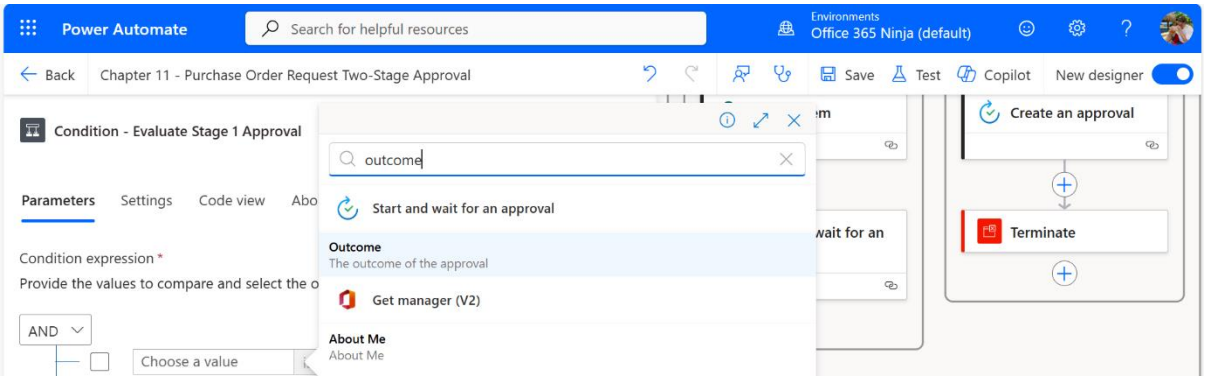

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Add an action
Create an approval
All
Built-in
Standard
Premium
Custom
Standard approvals
See more
Create an approval
Start and wait for an approval
Condition
False

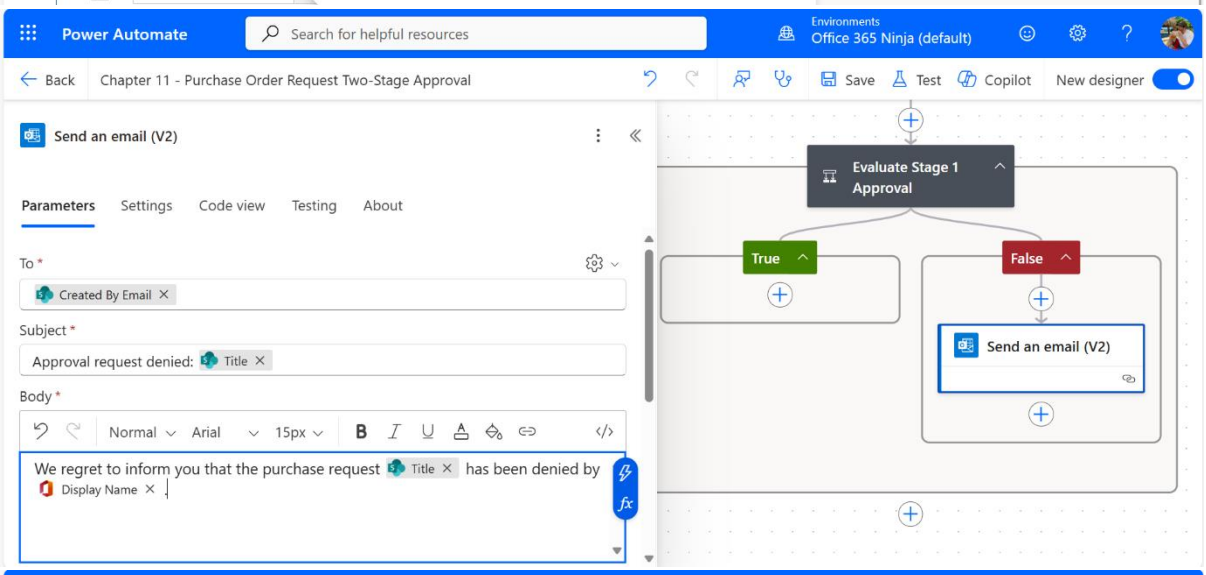

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Create an approval
Parameters
Settings
Code view
Testing
About
Advanced parameters
Showing 3 of 4
Show all
Clear all
Requestor
Created By Email
Condition
False
Create an approval

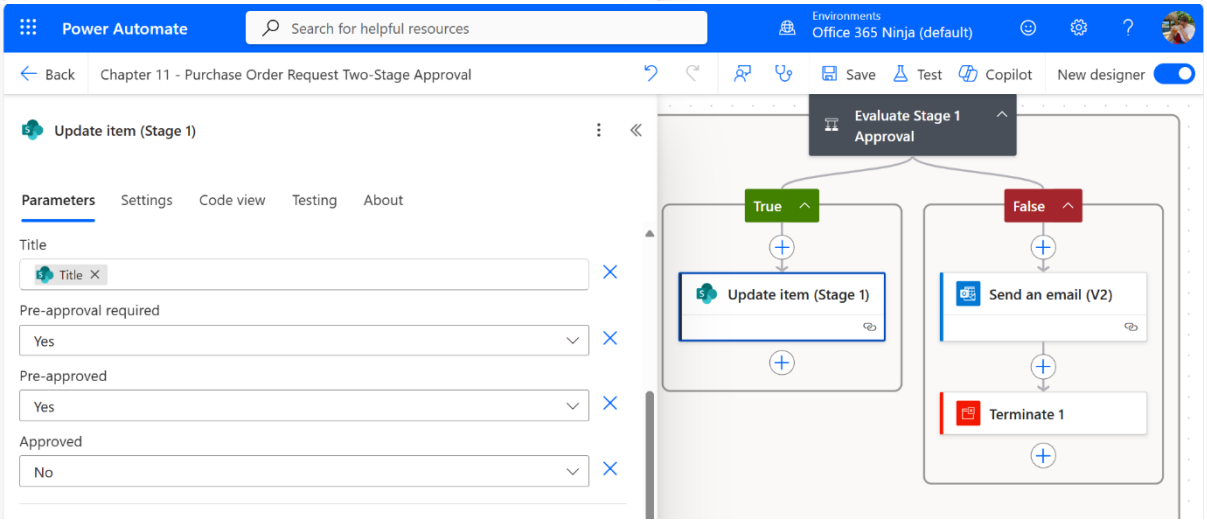

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Terminate
Parameters
Settings
Code view
About
Status *
Succeeded
Create an approval
Terminate

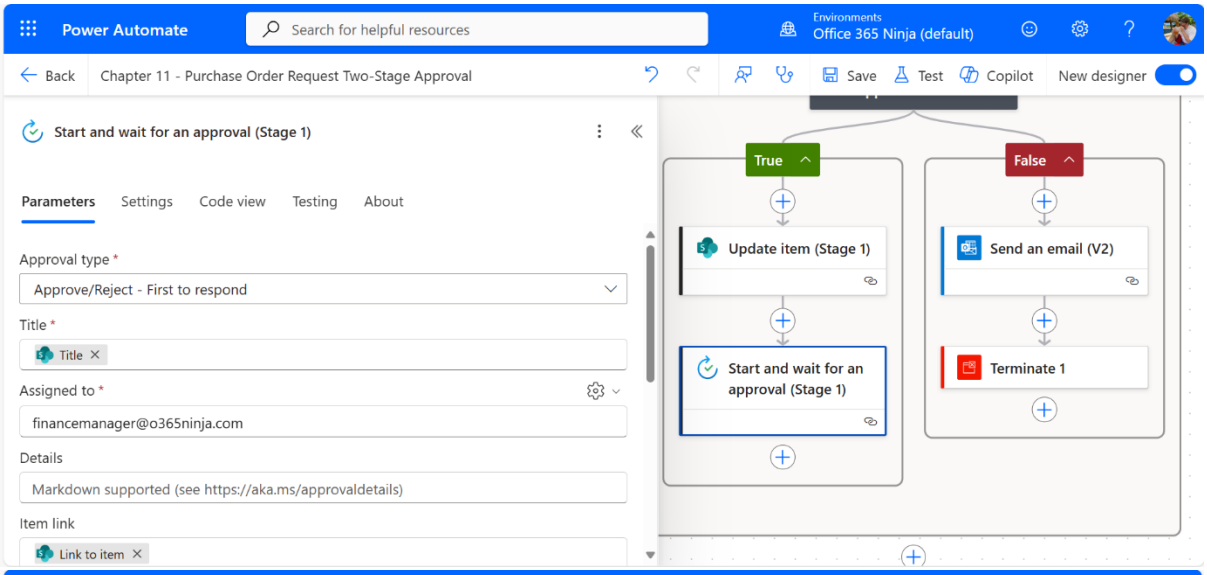

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Update item
Parameters
Settings
Code view
Testing
About
Purchase Amount
Purchase Amount
Pre-approval required
Yes
Pre-approved
No
Approved
No
Get manager (V2)
Condition
True
False
Update item
Create an approval
Terminate

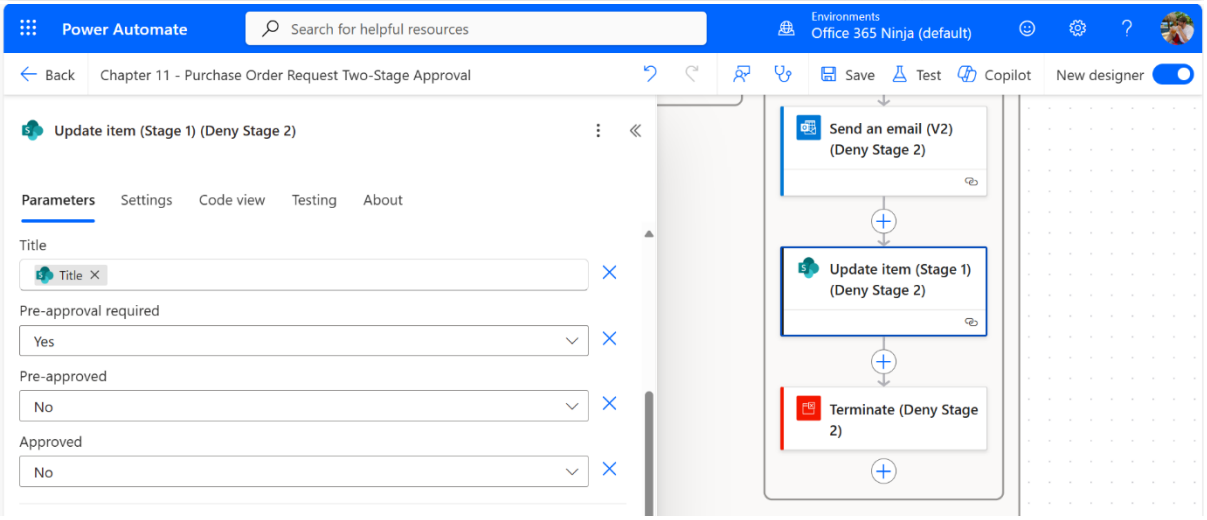

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Start and wait for an approval
Parameters
Settings
Code view
Testing
About
Approval type *
Approve/Reject - First to respond
Title *
Title
Assigned to *
Mail
Details
Markdown supported (see https://aka.ms/approvaldetails)
Item link
Link to item
True
False
Update item
Start and wait for an approval
Create an approval
Terminate

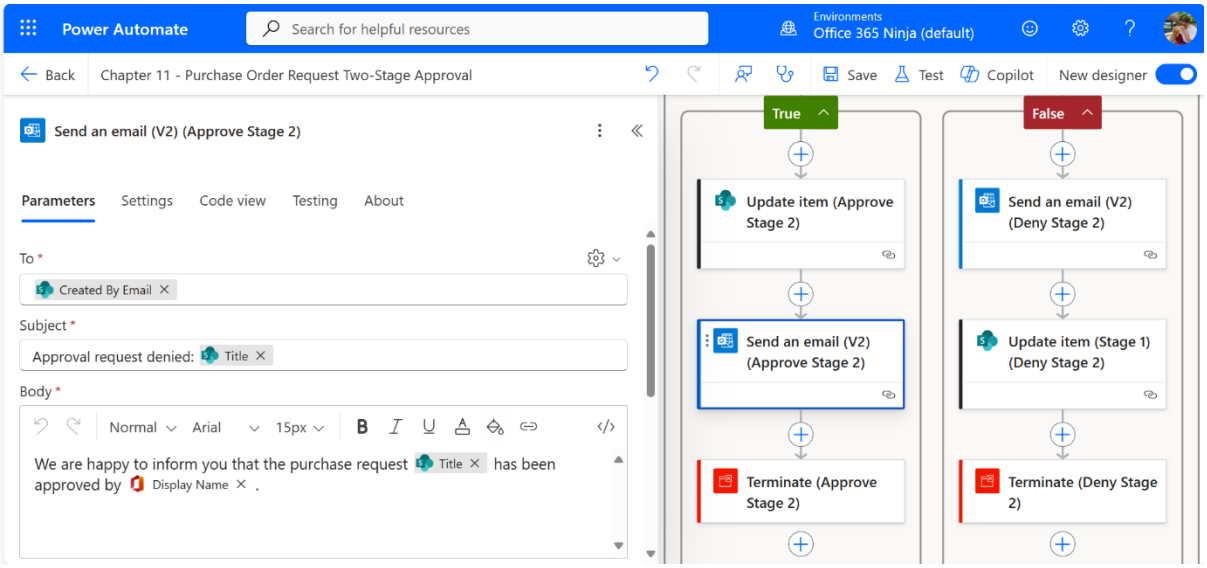

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Condition - Evaluate Stage 1 Approval
Parameters
Settings
Code view
Condition expression *
Provide the values to compare and select the o
AND
Choose a value
outcome
Start and wait for an approval
Outcome
The outcome of the approval
Get manager (V2)
About Me
About Me
Create an approval
Terminate

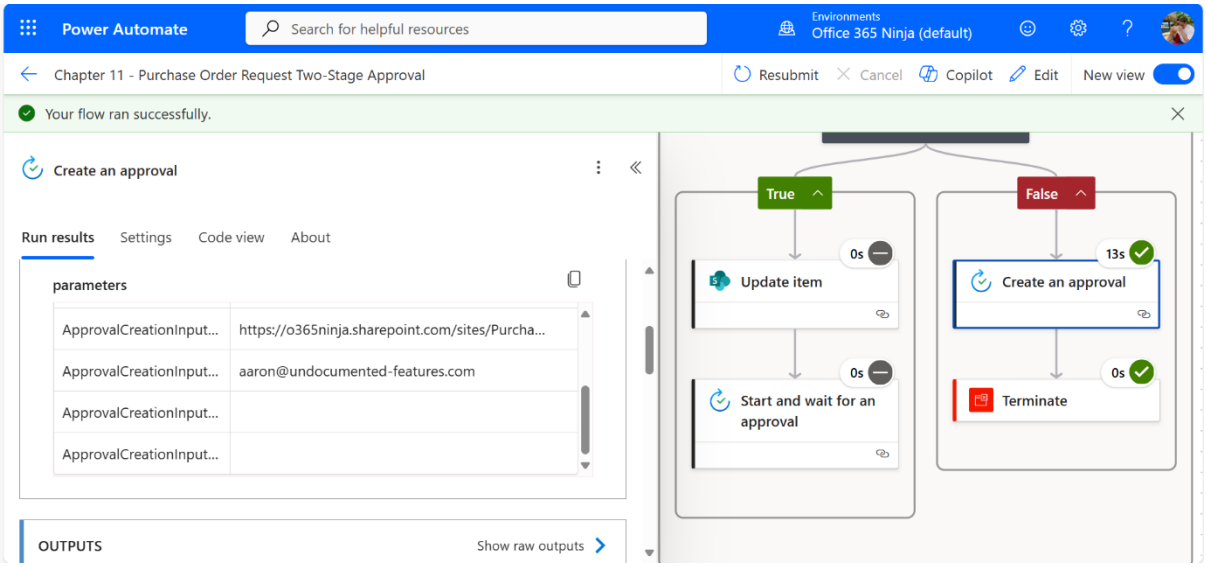

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Send an email (V2)
Parameters
Settings
Code view
Testing
About
To *
Created By Email
Subject *
Approval request denied: Title
Body *
Normal
Arial
15px
We regret to inform you that the purchase request Title has been denied by Display Name
Evaluate Stage 1 Approval
True
False
Send an email (V2)

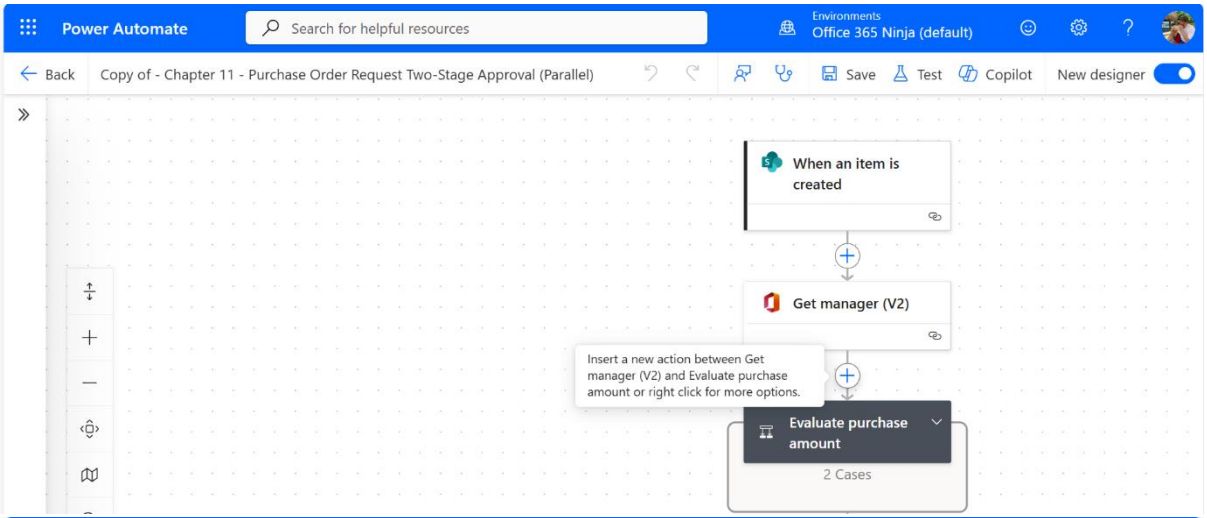

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Update item (Stage 1)
Parameters
Settings
Code view
Testing
About
Title
Title
Pre-approval required
Yes
Pre-approved
Yes
Approved
No
Evaluate Stage 1 Approval
True
False
Update item (Stage 1)
Send an email (V2)
Terminate 1

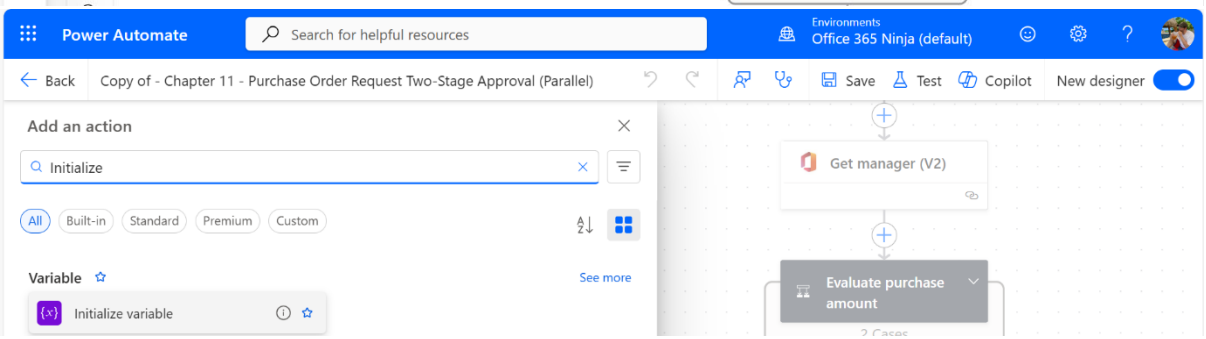

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Start and wait for an approval (Stage 1)
Parameters
Settings
Code view
Testing
About
Approval type *
Approve/Reject - First to respond
Title *
Title
Assigned to *
financemanager@o365ninja.com
Details
Markdown supported (see https://aka.ms/approvaldetails)
Item link
Link to item
True
False
Update item (Stage 1)
Start and wait for an approval (Stage 1)
Send an email (V2)
Terminate 1

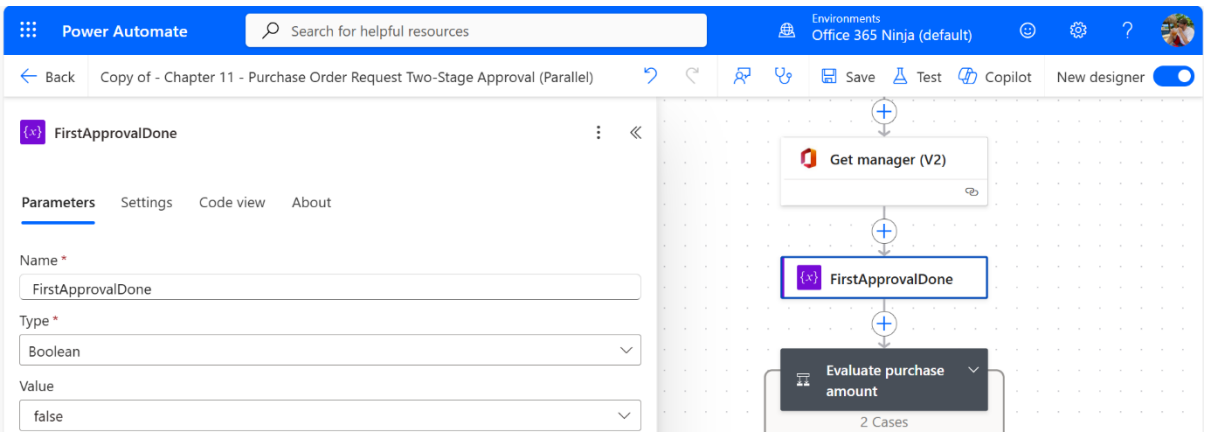

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Update item (Stage 1) (Deny Stage 2)
Parameters
Settings
Code view
Testing
About
Title
Title
Pre-approval required
Yes
Pre-approved
No
Approved
No
Send an email (V2) (Deny Stage 2)
Update item (Stage 1) (Deny Stage 2)
Terminate (Deny Stage 2)

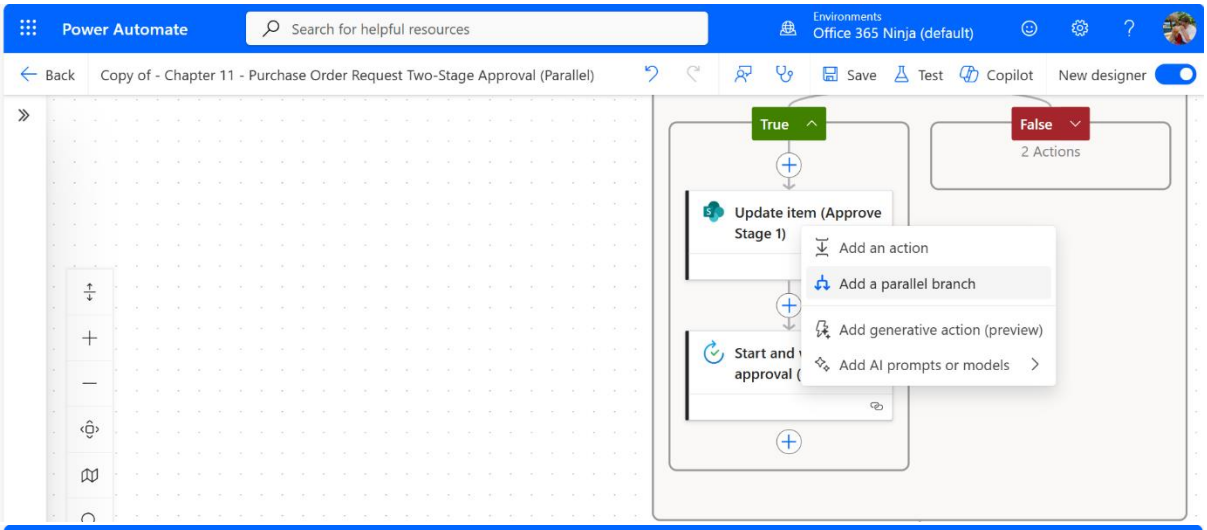

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 11 - Purchase Order Request Two-Stage Approval
Save
Test
Copilot
New designer
Send an email (V2) (Approve Stage 2)
Parameters
Settings
Code view
Testing
About
To *
Created By Email
Subject *
Approval request denied: Title
Body *
Normal
Arial
15px
We are happy to inform you that the purchase request Title has been approved by Display Name .
True
False
Update item (Approve Stage 2)
Send an email (V2) (Approve Stage 2)
Terminate (Approve Stage 2)
Send an email (V2) (Deny Stage 2)
Update item (Stage 1) (Deny Stage 2)
Terminate (Deny Stage 2)

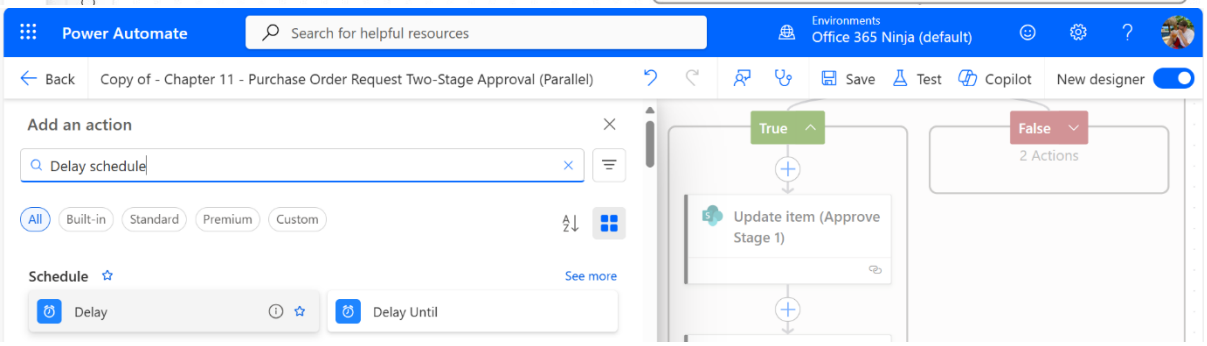

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Chapter 11 - Purchase Order Request Two-Stage Approval
Resubmit
Cancel
Copilot
Edit
New view
Your flow ran successfully.
Create an approval
Run results
Settings
Code view
About
parameters
ApprovalCreationInput...
https://o365ninja.sharepoint.com/sites/Purcha...
ApprovalCreationInput...
aaron@undocumented-features.com
ApprovalCreationInput...
ApprovalCreationInput...
OUTPUTS
Show raw outputs
True
False
0s
Update item
0s
Start and wait for an approval
13s
Create an approval
0s
Terminate

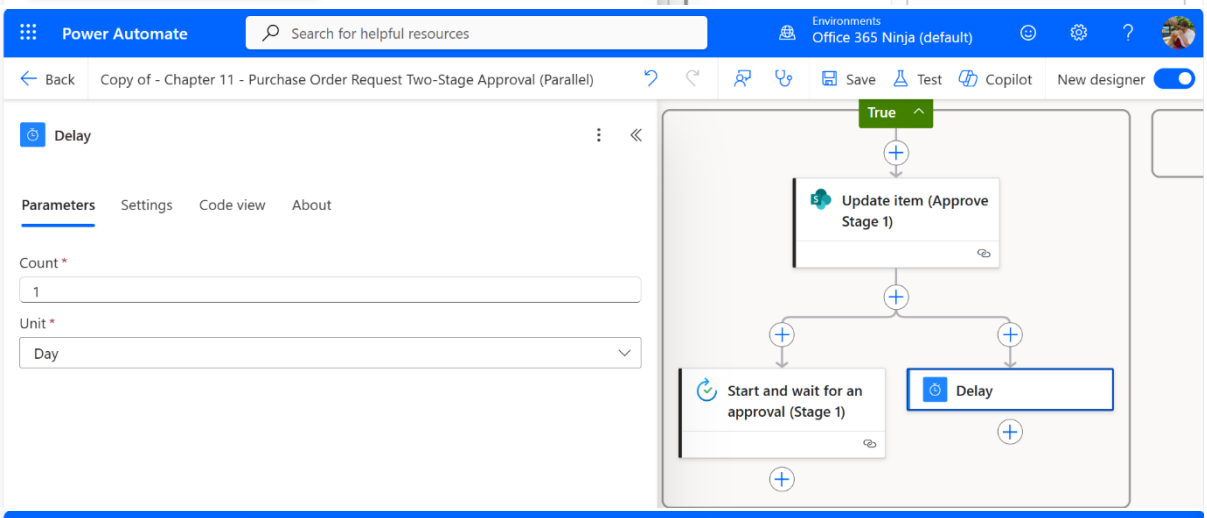

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
When an item is created
Get manager (V2)
Insert a new action between Get manager (V2) and Evaluate purchase amount or right click for more options.
Evaluate purchase amount
2 Cases

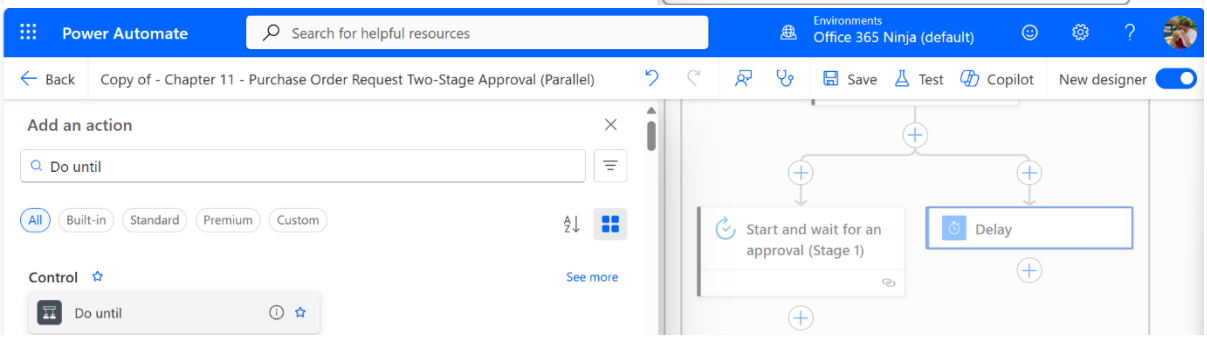

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Add an action
Initialize
All
Built-in
Standard
Premium
Custom
Variable
See more
Initialize variable
Get manager (V2)
Evaluate purchase amount

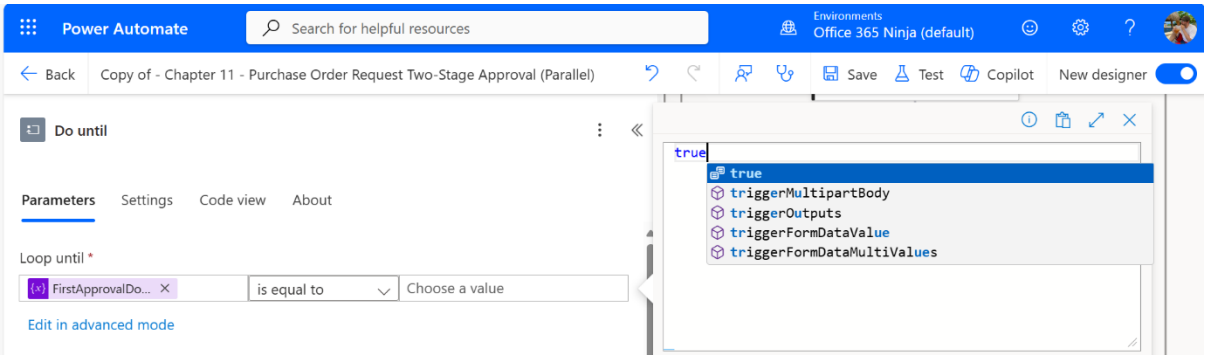

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
FirstApprovalDone
Parameters
Settings
Code view
About
Name *
FirstApprovalDone
Type *
Boolean
Value
false
Get manager (V2)
FirstApprovalDone
Evaluate purchase amount
2 Cases

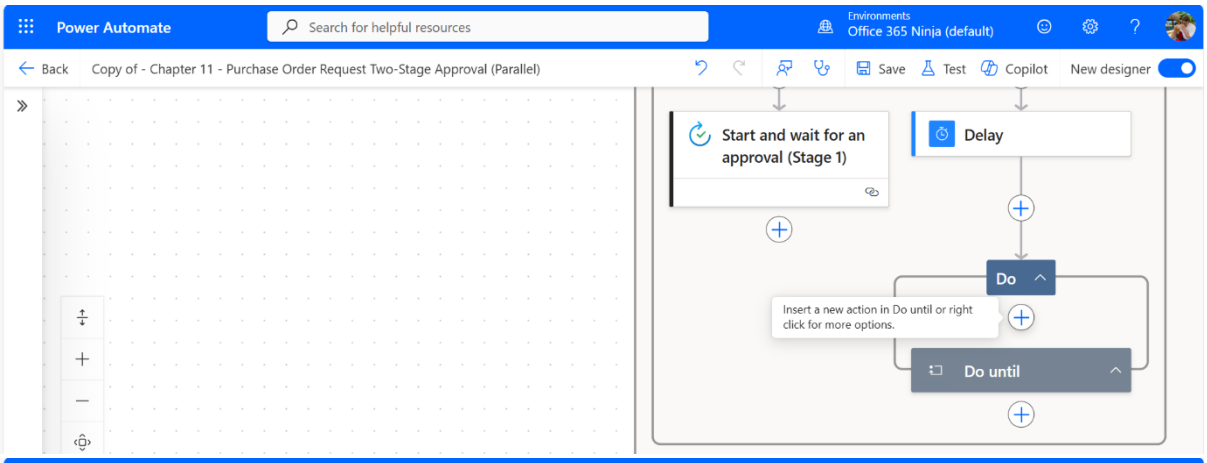

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
True
False
2 Actions
Update item (Approve Stage 1)
Add an action
Add a parallel branch
Add generative action (preview)
Add AI prompts or models

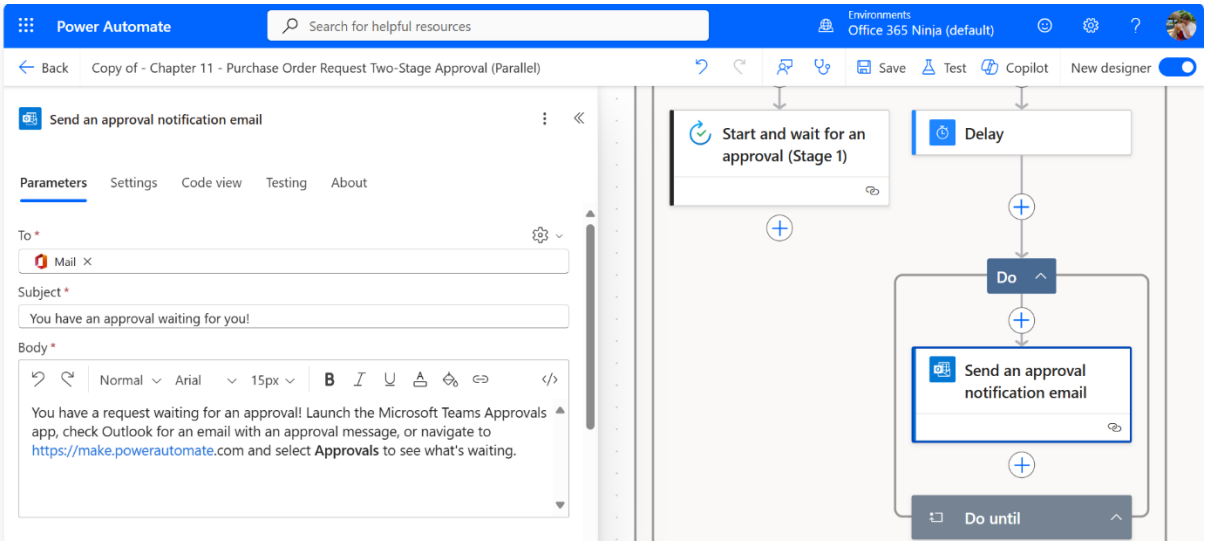

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Add an action
Delay schedule
All
Built-in
Standard
Premium
Custom
Schedule
See more
Delay
Delay Until
True
False
2 Actions
Update item (Approve Stage 1)

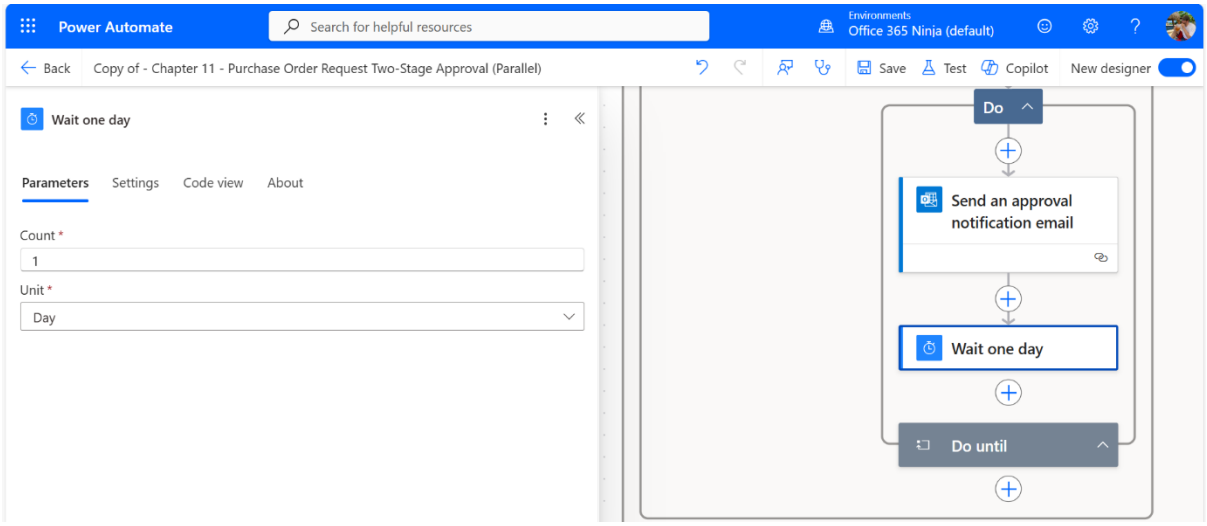

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Delay
Parameters
Settings
Code view
About
Count *
1
Unit *
Day
True
Update item (Approve Stage 1)
Start and wait for an approval (Stage 1)
Delay

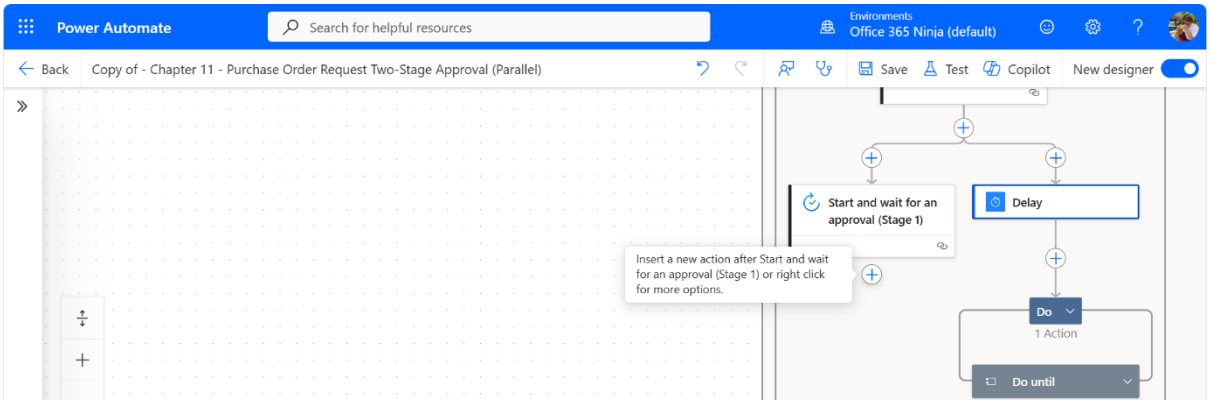

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Add an action
Do until
All
Built-in
Standard
Premium
Custom
Control
See more
Do until
Start and wait for an approval (Stage 1)
Delay

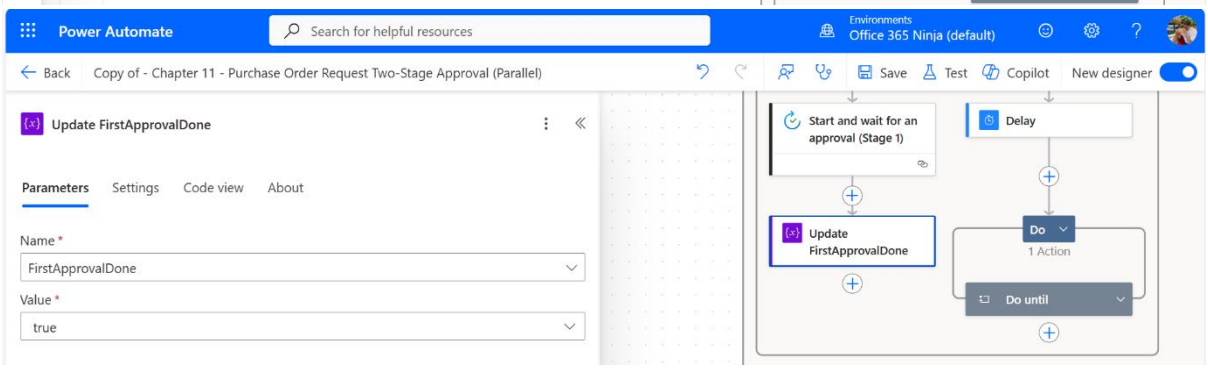

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Do until
Parameters
Settings
Code view
About
Loop until *
FirstApprovalDo...
is equal to
Choose a value
Edit in advanced mode
true
true
triggerMultipartBody
triggerOutputs
triggerFormDataValue
triggerFormDataMultiValues


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Start and wait for an approval (Stage 1)
Delay
Do
Insert a new action in Do until or right click for more options.
Do until

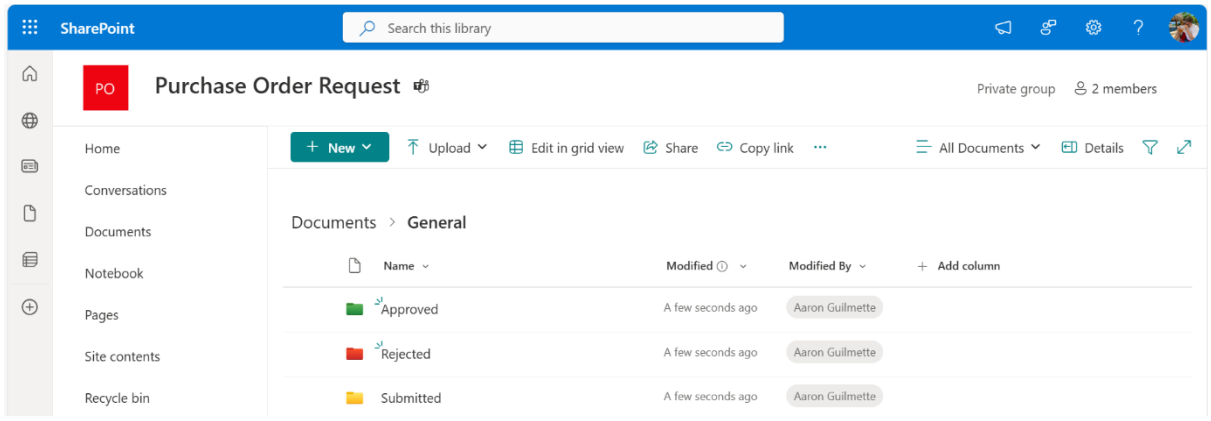

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Send an approval notification email
Parameters
Settings
Code view
Testing
About
To *
Mail
Subject *
You have an approval waiting for you!
Body *
Normal
Arial
15px
You have a request waiting for an approval! Launch the Microsoft Teams Approvals app, check Outlook for an email with an approval message, or navigate to https://make.powerautomate.com and select Approvals to see what's waiting.
Start and wait for an approval (Stage 1)
Delay
Do
Send an approval notification email
Do until

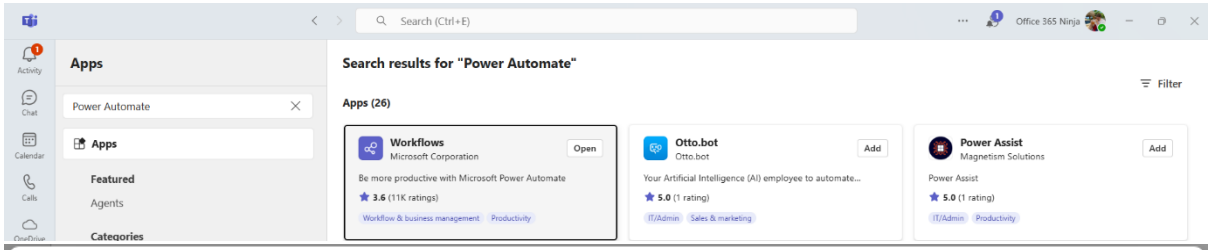

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Wait one day
Parameters
Settings
Code view
About
Count *
1
Unit *
Day
Do
Send an approval notification email
Wait one day
Do until

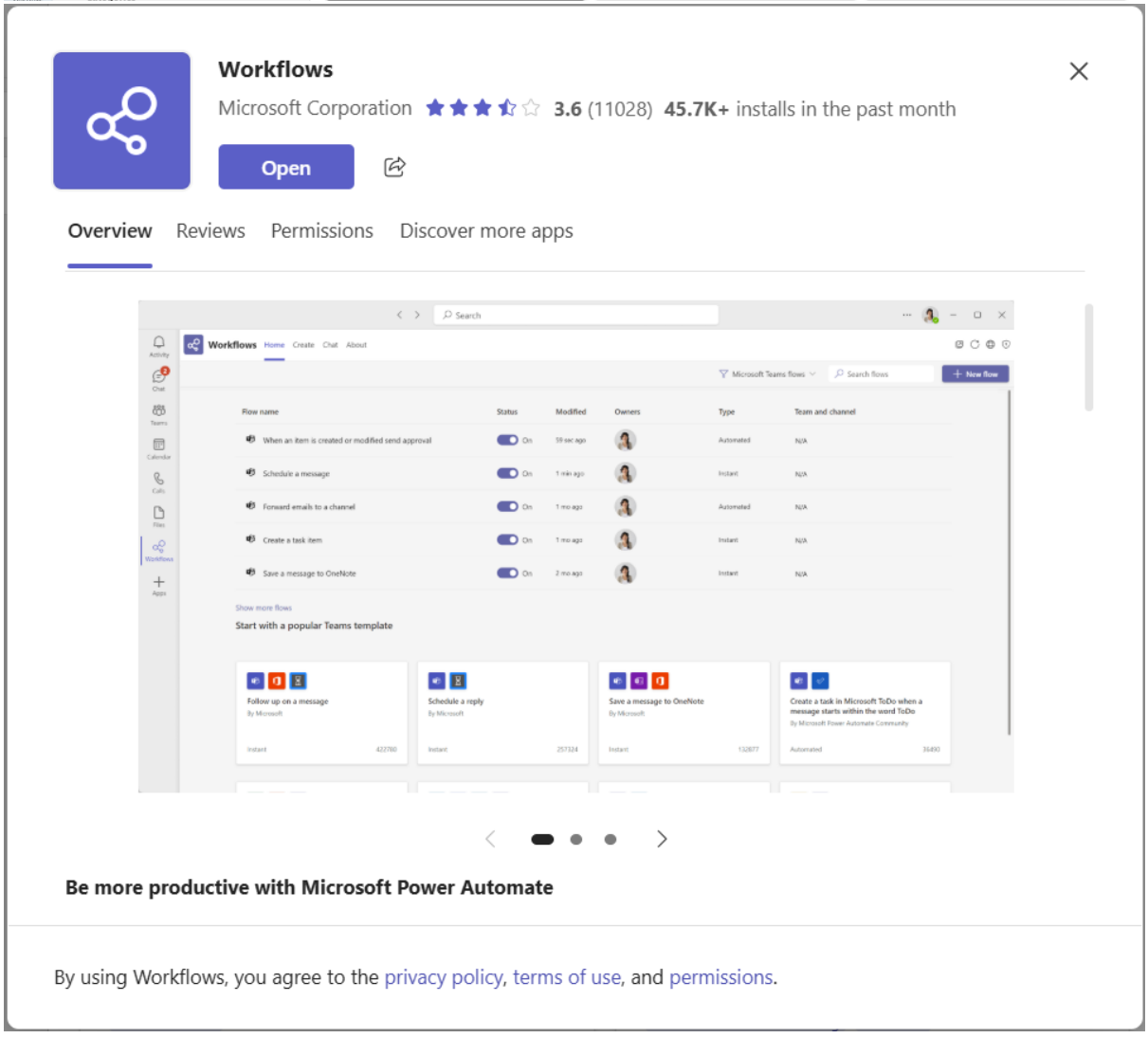

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Start and wait for an approval (Stage 1)
Delay
Insert a new action after Start and wait for an approval (Stage 1) or right click for more options.
Do
1 Action
Do until

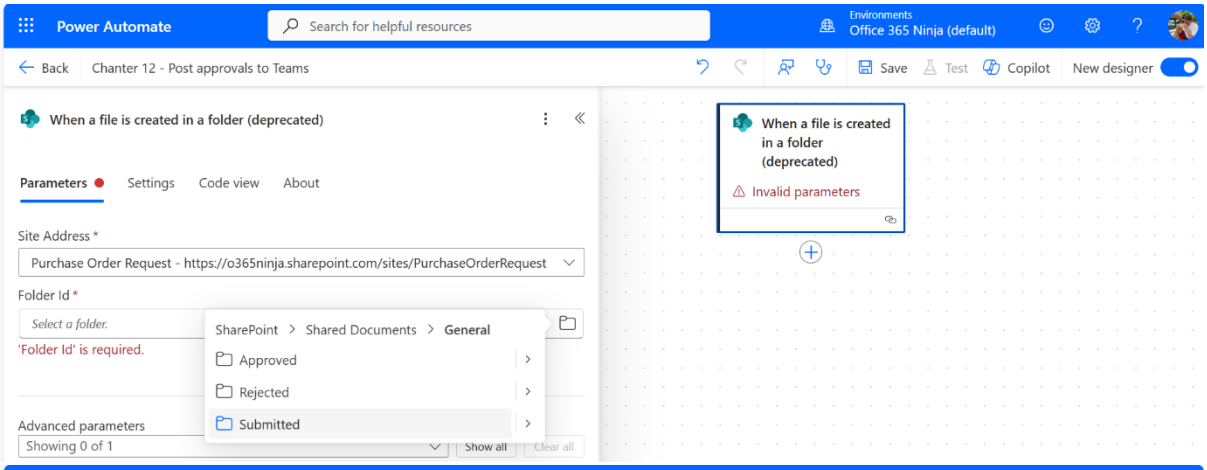

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Copy of - Chapter 11 - Purchase Order Request Two-Stage Approval (Parallel)
Save
Test
Copilot
New designer
Update FirstApprovalDone
Parameters
Settings
Code view
About
Name *
FirstApprovalDone
Value *
true
Start and wait for an approval (Stage 1)
Delay
Update FirstApprovalDone
Do
1 Action
Do until

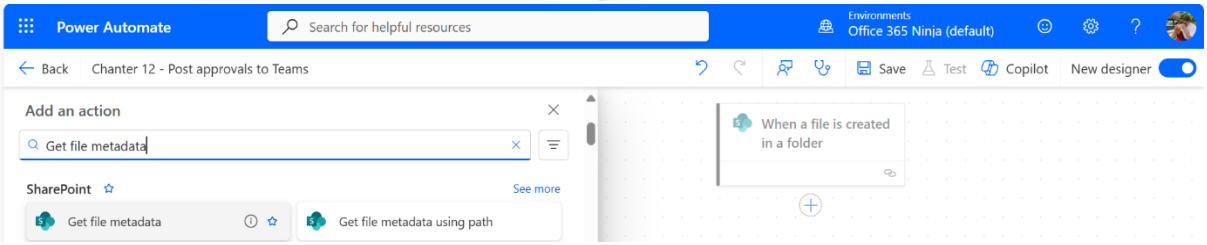
# Chapter 12: Posting Approvals to Teams

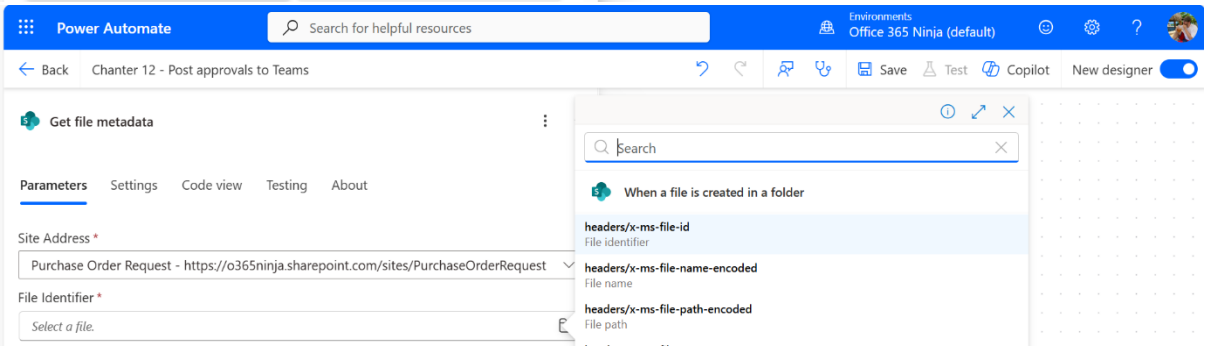


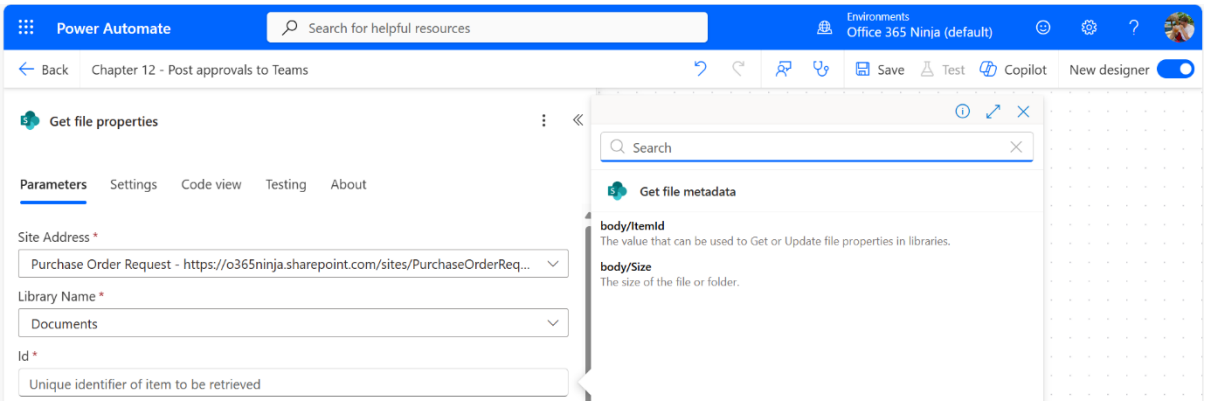



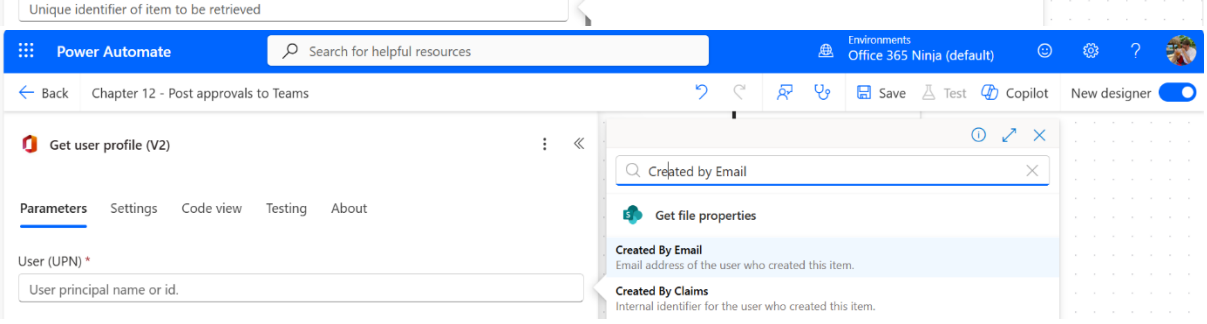



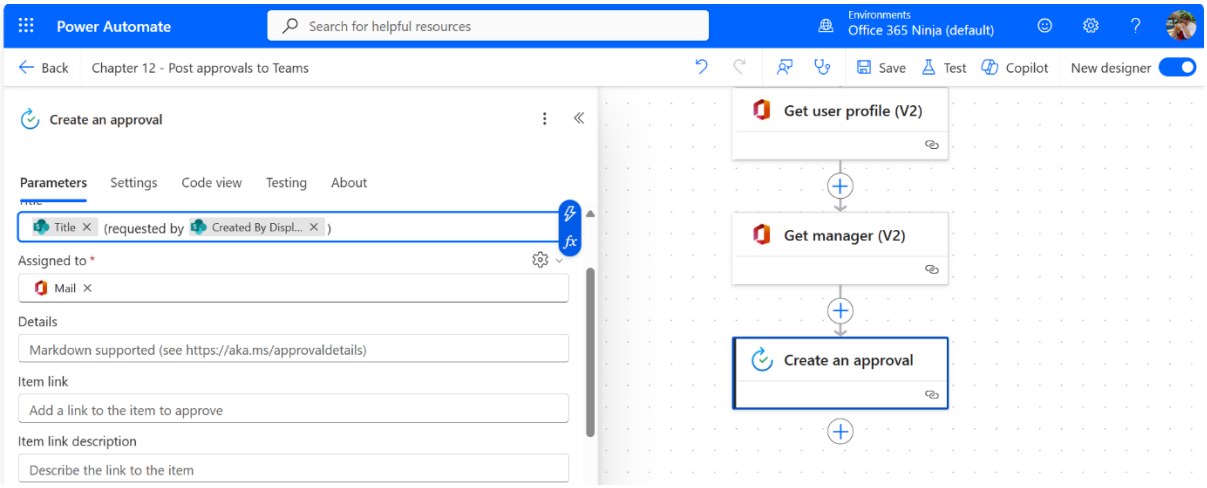

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chanter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
When a file is created in a folder (deprecated)
Parameters
Settings
Code view
About
Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderRequest
Folder Id *
Select a folder.
'Folder Id' is required.
SharePoint > Shared Documents > General
Approved
Rejected
Submitted
Advanced parameters
Showing 0 of 1
Show all
Clear all
When a file is created in a folder (deprecated)
Invalid parameters

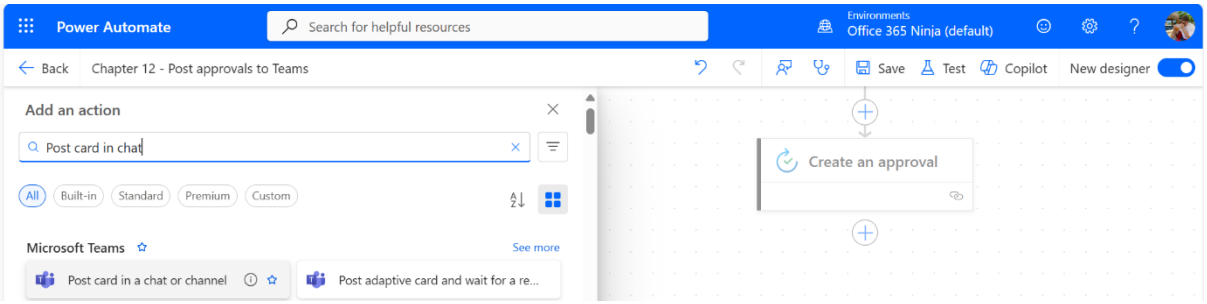

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chanter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Add an action
Get file metadata
SharePoint
See more
Get file metadata
Get file metadata using path
When a file is created in a folder

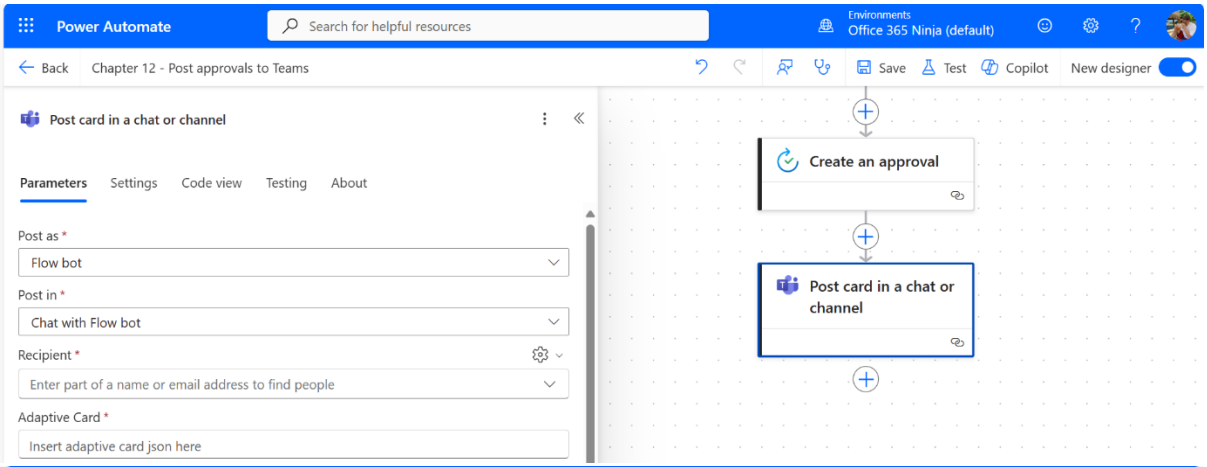

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chanter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Get file metadata
Parameters
Settings
Code view
Testing
About
Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderRequest
File Identifier *
Select a file.
Search
When a file is created in a folder
headers/x-ms-file-id
File identifier
headers/x-ms-file-name-encoded
File name
headers/x-ms-file-path-encoded
File path

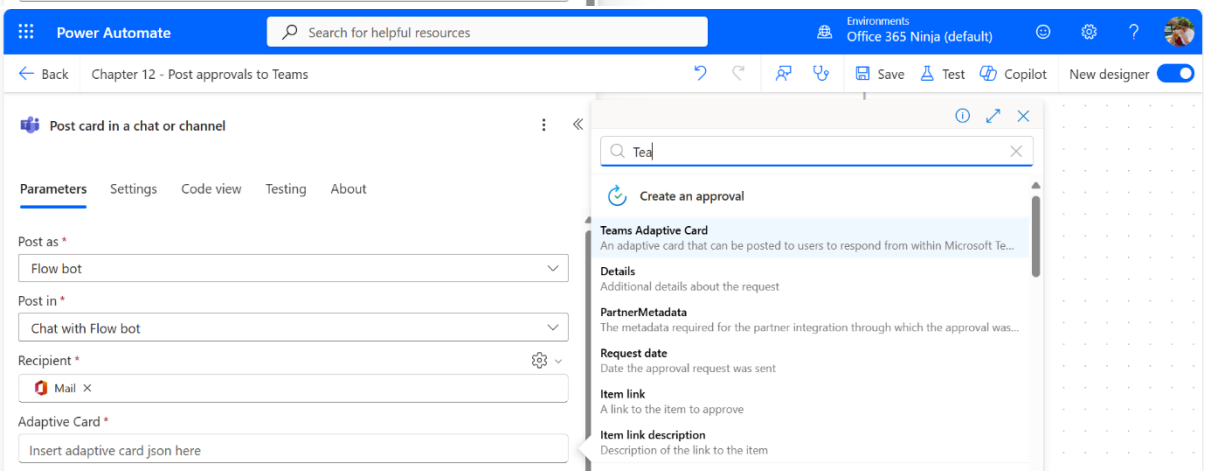

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Get file properties
Parameters
Settings
Code view
Testing
About
Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
Library Name *
Documents
Id *
Unique identifier of item to be retrieved
Search
Get file metadata
body/ItemId
The value that can be used to Get or Update file properties in libraries.
body/Size
The size of the file or folder.

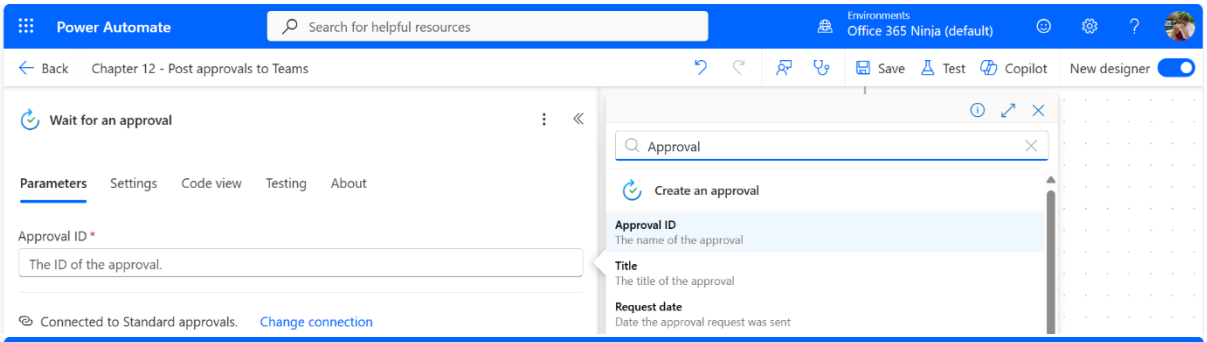

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Get user profile (V2)
Parameters
Settings
Code view
Testing
About
User (UPN) *
User principal name or id.
Created by Email
Get file properties
Created By Email
Email address of the user who created this item.
Created By Claims
Internal identifier for the user who created this item.

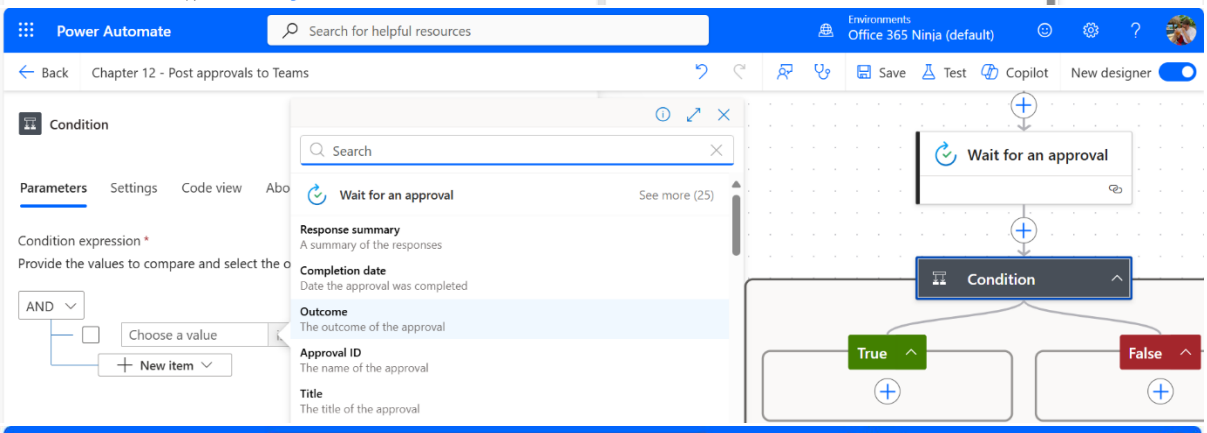

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Create an approval
Parameters
Settings
Code view
Testing
About
Title
(requested by
Created By Displ...
)
Assigned to *
Mail
Details
Markdown supported (see https://aka.ms/approvaldetails)
Item link
Add a link to the item to approve
Item link description
Describe the link to the item
Get user profile (V2)
Get manager (V2)
Create an approval

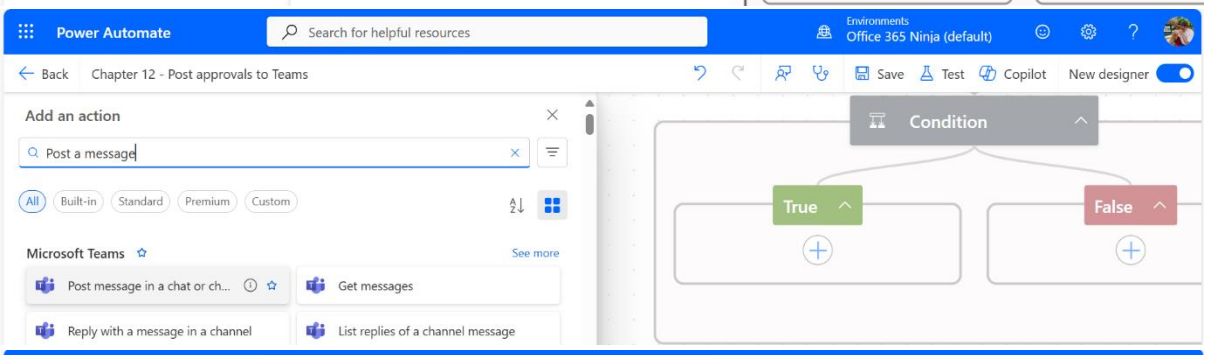

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Add an action
Post card in chat
All
Built-in
Standard
Premium
Custom
Microsoft Teams
See more
Post card in a chat or channel
Post adaptive card and wait for a re...
Create an approval

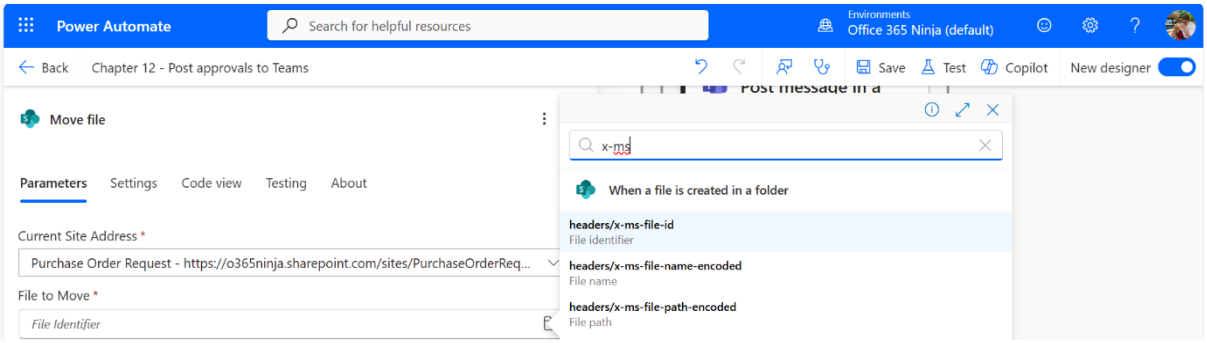

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Post card in a chat or channel
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Chat with Flow bot
Recipient *
Enter part of a name or email address to find people
Adaptive Card *
Insert adaptive card json here
Create an approval
Post card in a chat or channel

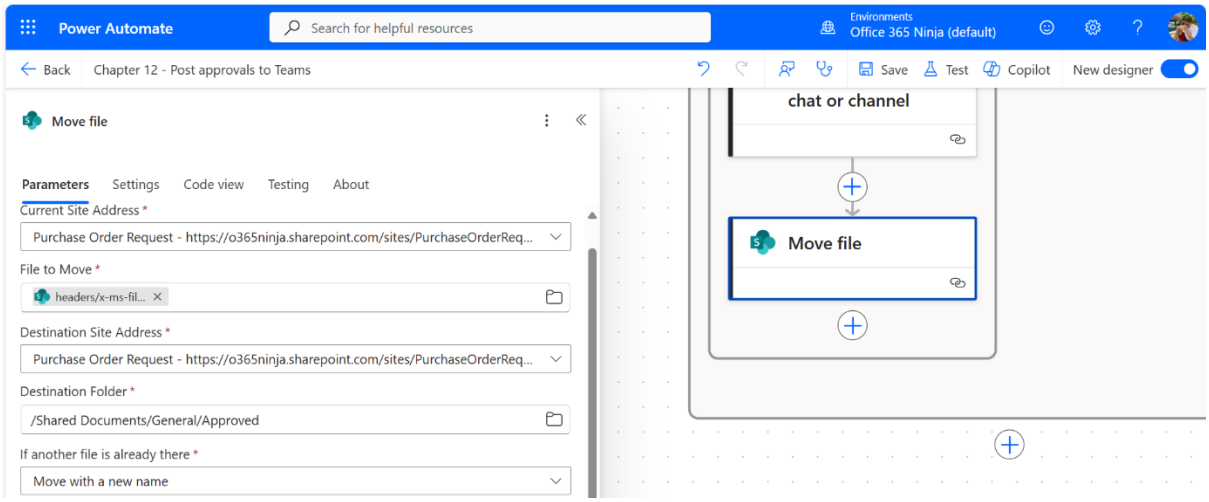

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Post card in a chat or channel
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Chat with Flow bot
Recipient *
Mail
Adaptive Card *
Insert adaptive card json here
Tea
Create an approval
Teams Adaptive Card
An adaptive card that can be posted to users to respond from within Microsoft Te...
Details
Additional details about the request
PartnerMetadata
The metadata required for the partner integration through which the approval was...
Request date
Date the approval request was sent
Item link
A link to the item to approve
Item link description
Description of the link to the item

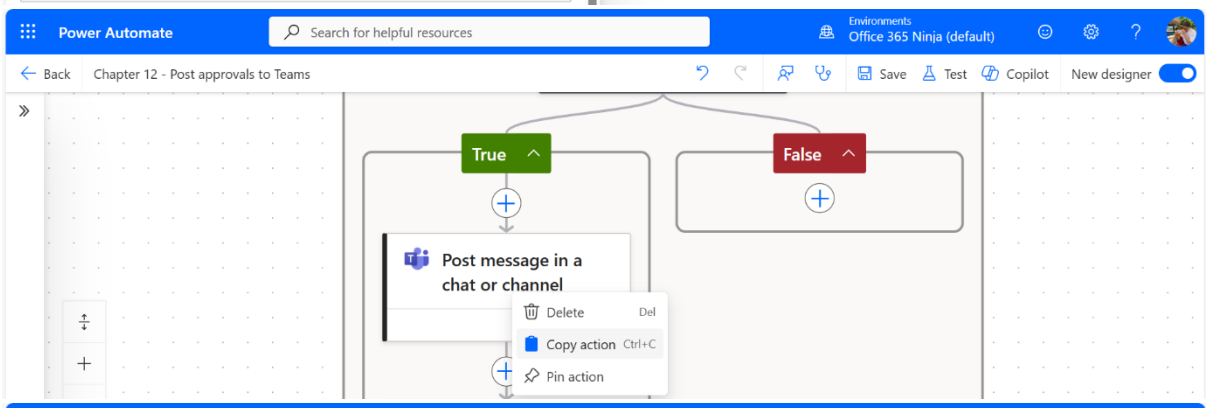

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Wait for an approval
Parameters
Settings
Code view
Testing
About
Approval ID *
The ID of the approval.
Connected to Standard approvals.
Change connection
Approval
Create an approval
Approval ID
The name of the approval
Title
The title of the approval
Request date
Date the approval request was sent

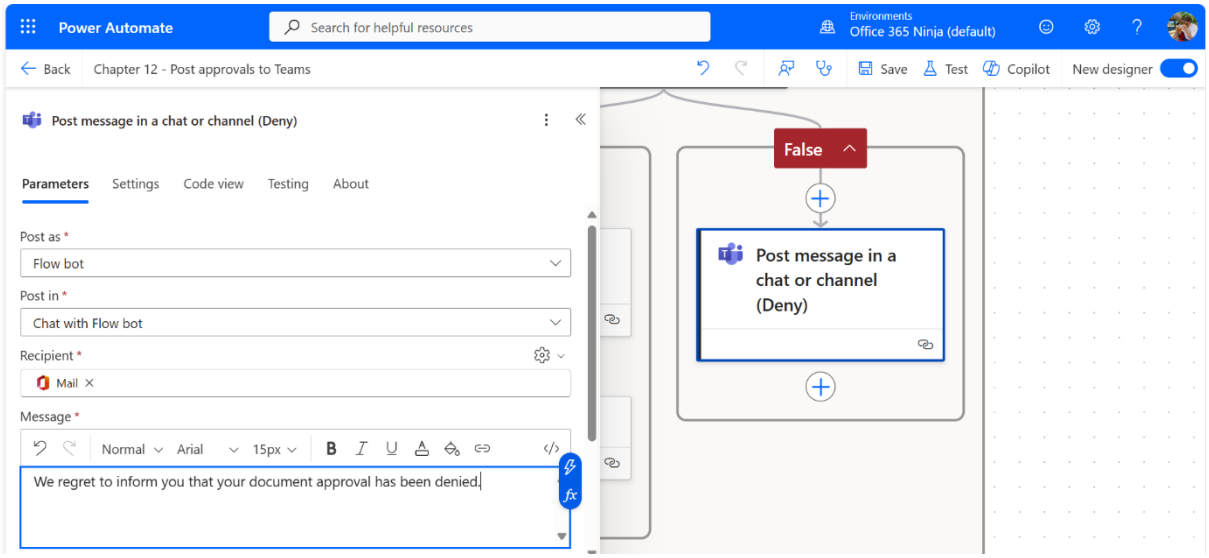

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
Condition expression *
Provide the values to compare and select the o
AND
Choose a value
New item
Search
Wait for an approval
See more (25)
Response summary
A summary of the responses
Completion date
Date the approval was completed
Outcome
The outcome of the approval
Approval ID
The name of the approval
Title
The title of the approval
Wait for an approval
Condition
True
False

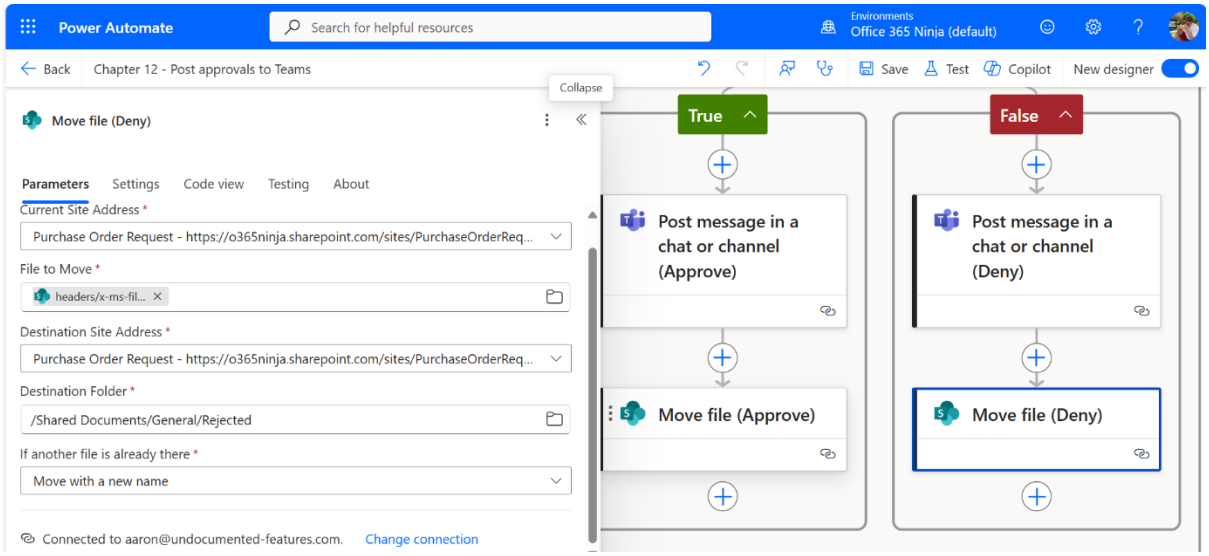

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Add an action
Post a message
All
Built-in
Standard
Premium
Custom
Microsoft Teams
See more
Post message in a chat or ch...
Get messages
Reply with a message in a channel
List replies of a channel message
Condition
True
False

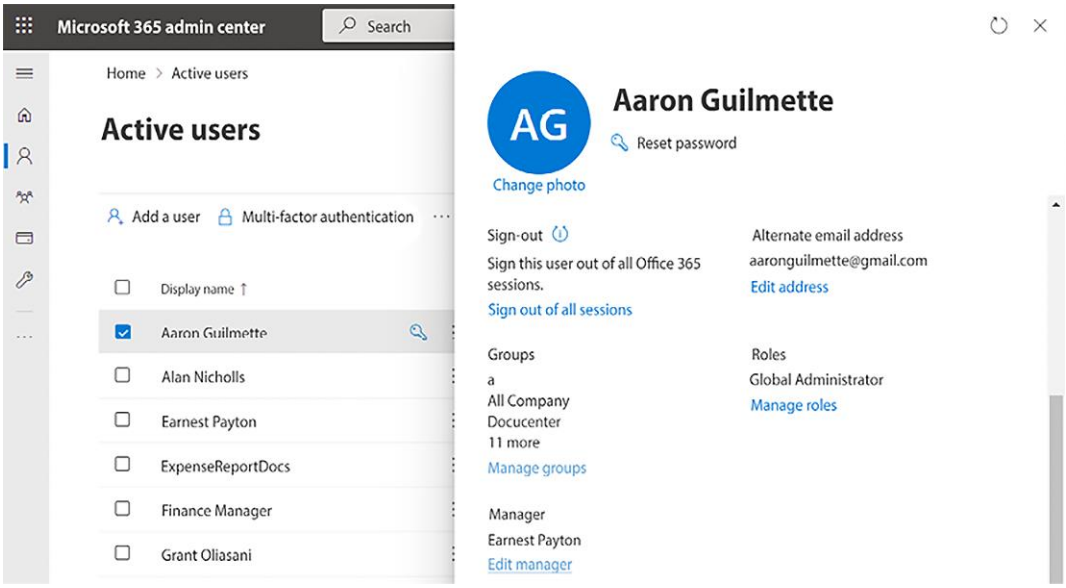

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Move file
Parameters
Settings
Code view
Testing
About
Current Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
File to Move *
File Identifier
x-ms
When a file is created in a folder
headers/x-ms-file-id
File identifier
headers/x-ms-file-name-encoded
File name
headers/x-ms-file-path-encoded
File path

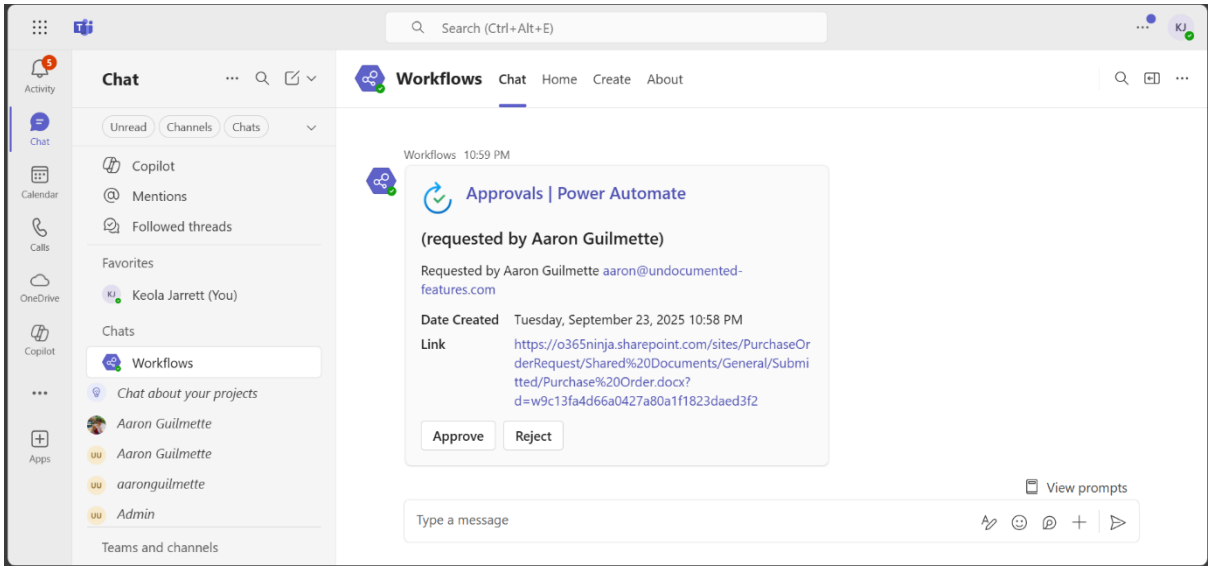

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Move file
Parameters
Settings
Code view
Testing
About
Current Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
File to Move *
headers/x-ms-fil...
Destination Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
Destination Folder *
/Shared Documents/General/Approved
If another file is already there *
Move with a new name
chat or channel
Move file

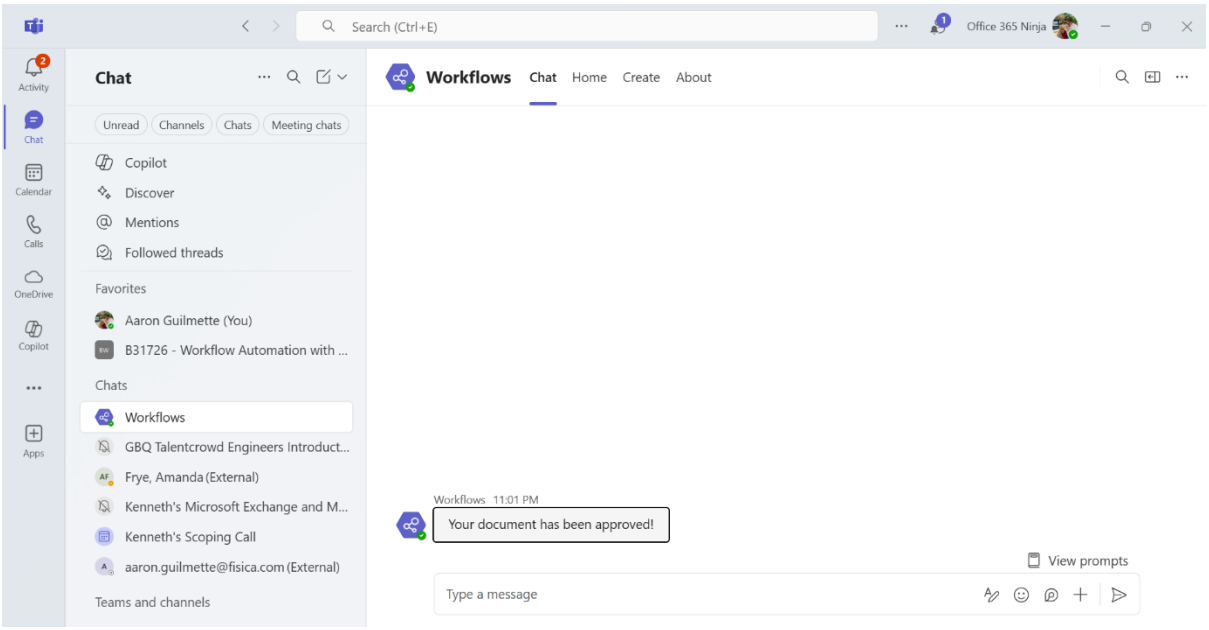

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
True
False
Post message in a chat or channel
Delete
Del
Copy action
Ctrl+C
Pin action

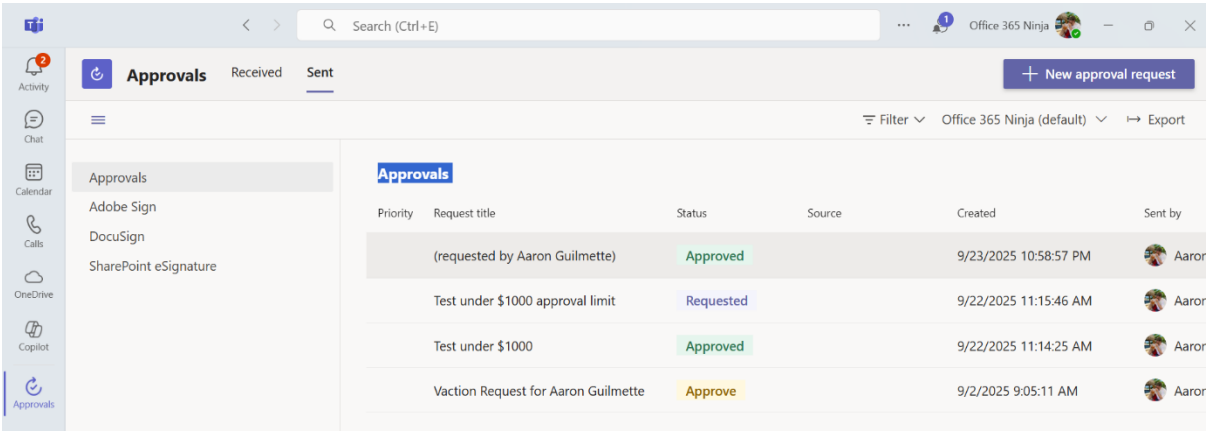

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Post message in a chat or channel (Deny)
Parameters
Settings
Code view
Testing
About
Post as *
Flow bot
Post in *
Chat with Flow bot
Recipient *
Mail
Message *
Normal
Arial
15px
We regret to inform you that your document approval has been denied.
False
Post message in a chat or channel (Deny)

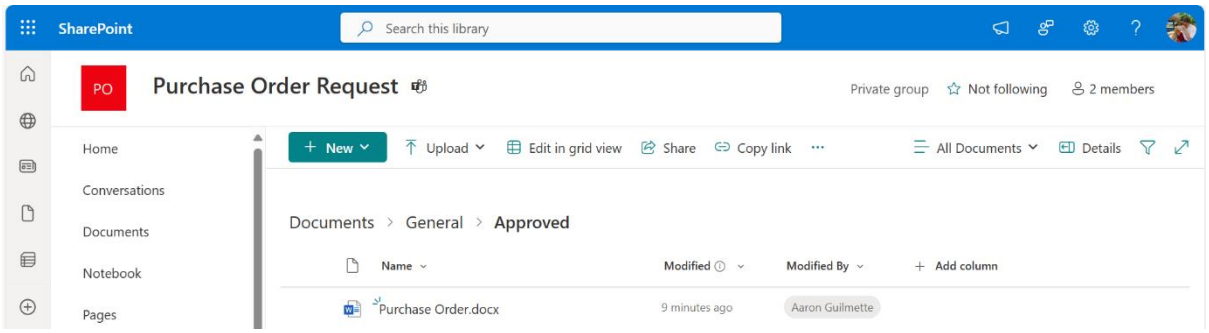

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 12 - Post approvals to Teams
Save
Test
Copilot
New designer
Collapse
Move file (Deny)
Parameters
Settings
Code view
Testing
About
Current Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
File to Move *
headers/x-ms-fil...
Destination Site Address *
Purchase Order Request - https://o365ninja.sharepoint.com/sites/PurchaseOrderReq...
Destination Folder *
/Shared Documents/General/Rejected
If another file is already there *
Move with a new name
Connected to aaron@undocumented-features.com.
Change connection
True
Post message in a chat or channel (Approve)
Move file (Approve)
False
Post message in a chat or channel (Deny)
Move file (Deny)


Microsoft 365 admin center
Search
Home
Active users
Active users
Add a user
Multi-factor authentication
Display name
Aaron Guilmette
Alan Nicholls
Earnest Payton
ExpenseReportDocs
Finance Manager
Grant Oliasani
AG
Change photo
Aaron Guilmette
Reset password
Sign-out
Sign this user out of all Office 365 sessions.
Sign out of all sessions
Alternate email address
aaronguilmette@gmail.com
Edit address
Groups
a
All Company
Docucenter
11 more
Manage groups
Roles
Global Administrator
Manage roles
Manager
Earnest Payton
Edit manager

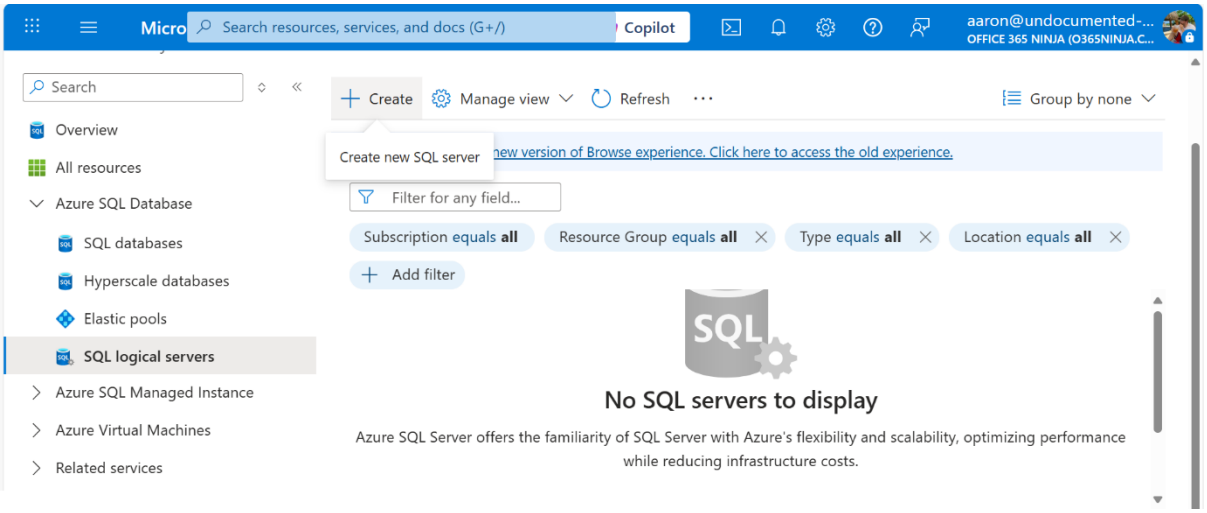

Search (Ctrl+Alt+E)
Activity
Chat
Calendar
Calls
OneDrive
Copilot
Apps
Chat
Unread
Channels
Chats
Copilot
Mentions
Followed threads
Favorites
Keola Jarrett (You)
Chats
Workflows
Chat about your projects
Aaron Guilmette
Aaron Guilmette
aaronguilmette
Admin
Teams and channels
Workflows
Chat
Home
Create
About
Workflows 10:59 PM
Approvals | Power Automate
(requested by Aaron Guilmette)
Requested by Aaron Guilmette aaron@undocumented-features.com
Date Created
Tuesday, September 23, 2025 10:58 PM
Link
https://o365ninja.sharepoint.com/sites/PurchaseOrderRequest/Shared%20Documents/General/Submitted/Purchase%20Order.docx?d=w9c13fa4d66a0427a80a1f1823daed3f2
Approve
Reject
View prompts
Type a message

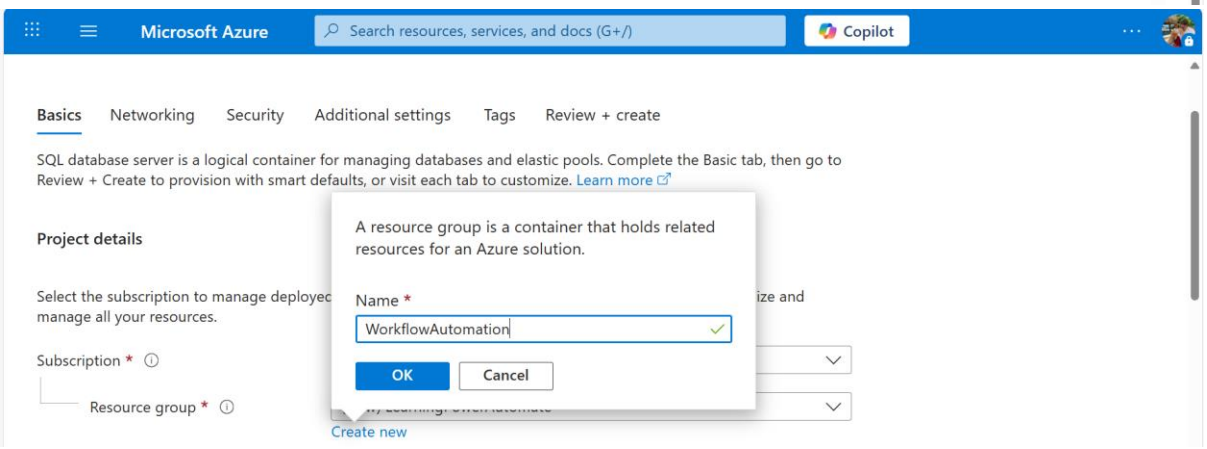

Search (Ctrl+E)
Office 365 Ninja
Activity
Chat
Calendar
Calls
OneDrive
Copilot
Apps
Chat
Unread
Channels
Chats
Meeting chats
Copilot
Discover
Mentions
Followed threads
Favorites
Aaron Guilmette (You)
B31726 - Workflow Automation with ...
Chats
Workflows
GBQ Talentcrowd Engineers Introduct...
Frye, Amanda (External)
Kenneth's Microsoft Exchange and M...
Kenneth's Scoping Call
aaron.guilmette@fisica.com (External)
Teams and channels
Workflows
Chat
Home
Create
About
Workflows 11:01 PM
Your document has been approved!
View prompts
Type a message

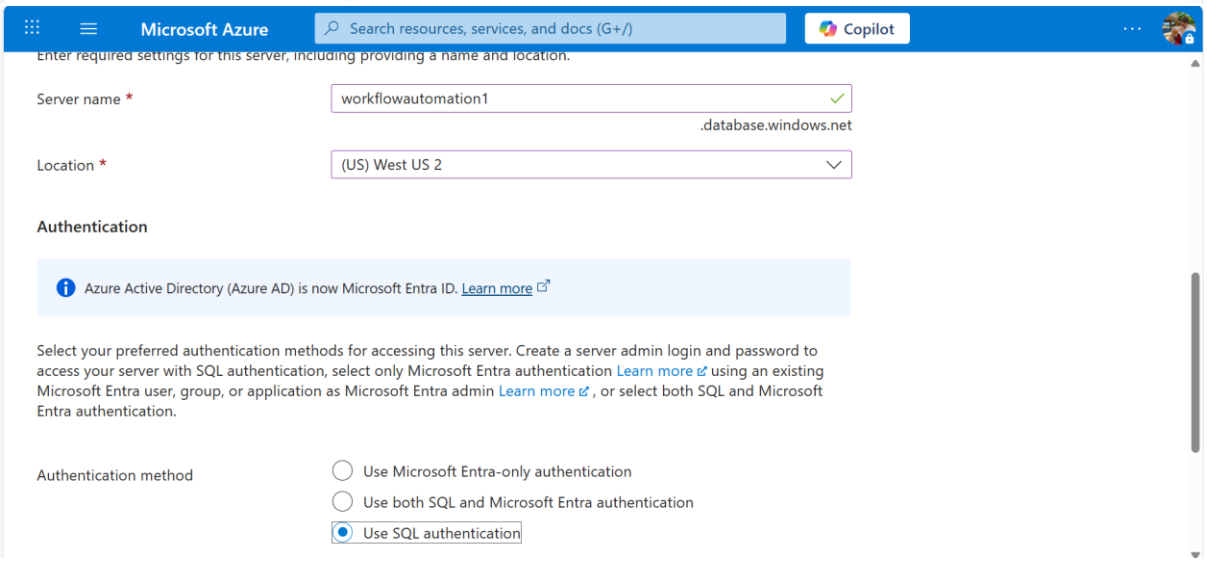

Search (Ctrl+E)
Office 365 Ninja
Activity
Chat
Calendar
Calls
OneDrive
Copilot
Approvals
Approvals
Received
Sent
New approval request
Filter
Office 365 Ninja (default)
Export
Approvals
Adobe Sign
DocuSign
SharePoint eSignature
Approvals
Priority
Request title
Status
Source
Created
Sent by
(requested by Aaron Guilmette)
Approved
9/23/2025 10:58:57 PM
Test under $1000 approval limit
Requested
9/22/2025 11:15:46 AM
Test under $1000
Approved
9/22/2025 11:14:25 AM
Vaction Request for Aaron Guilmette
Approve
9/2/2025 9:05:11 AM

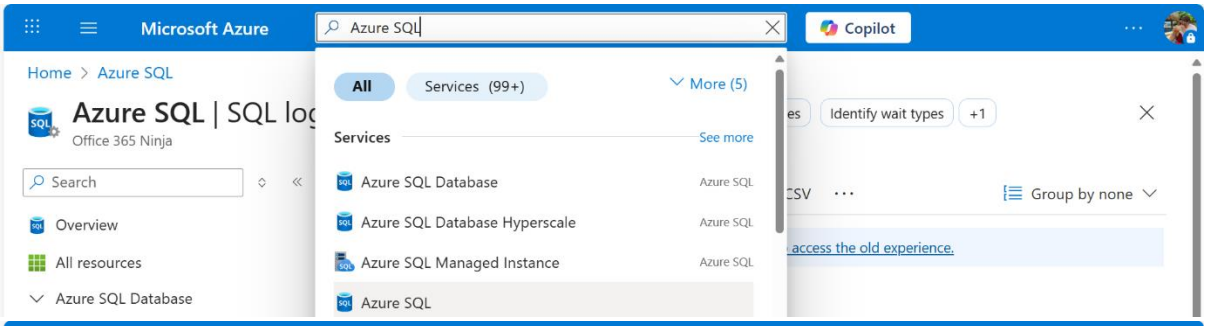

SharePoint
Search this library
PO
Purchase Order Request
Private group
Not following
2 members
Home
Conversations
Documents
Notebook
Pages
New
Upload
Edit in grid view
Share
Copy link
All Documents
Details
Documents
General
Approved
Name
Modified
Modified By
Add column
Purchase Order.docx
9 minutes ago
Aaron Guilmette

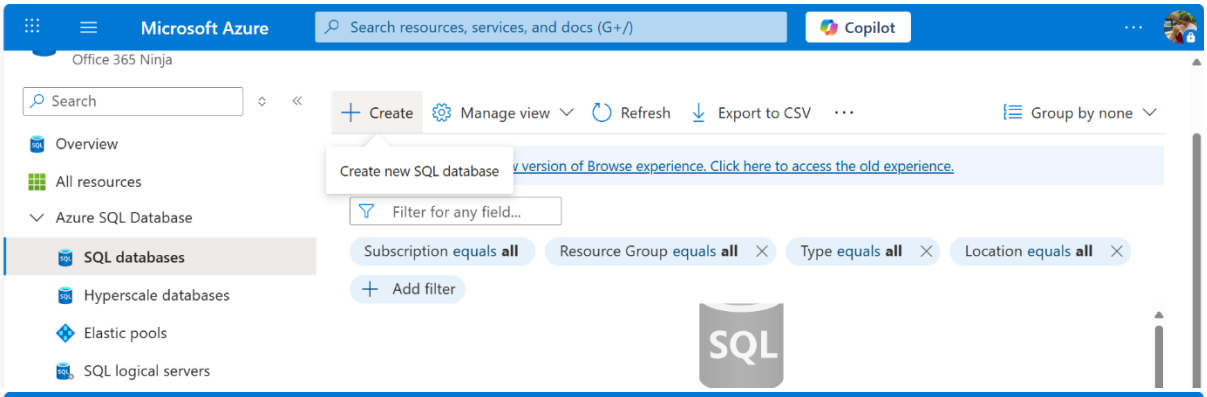
# Chapter 13: Using Databases

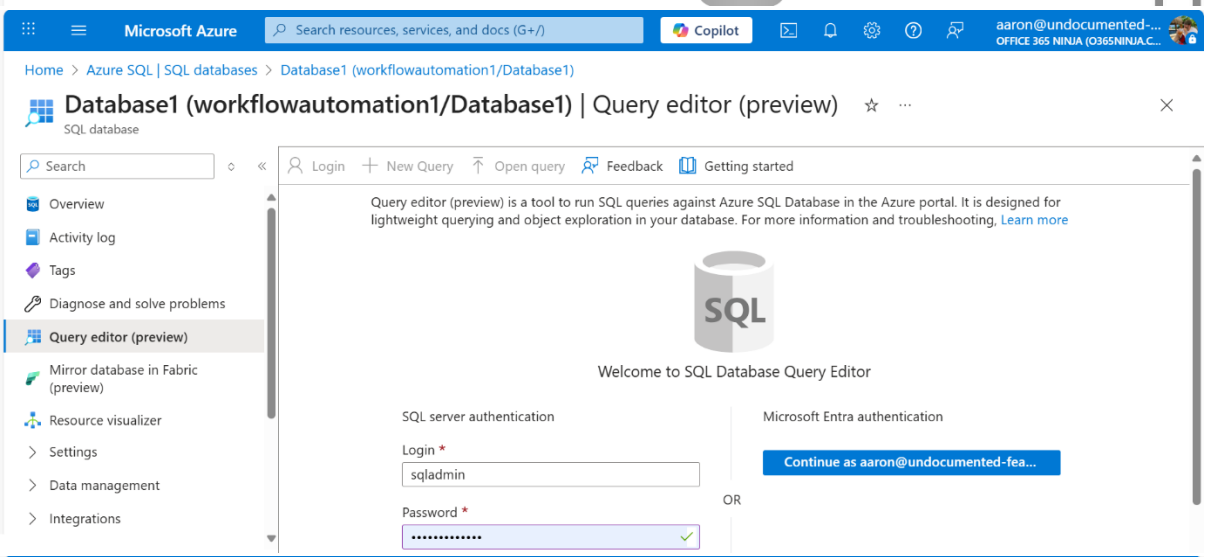


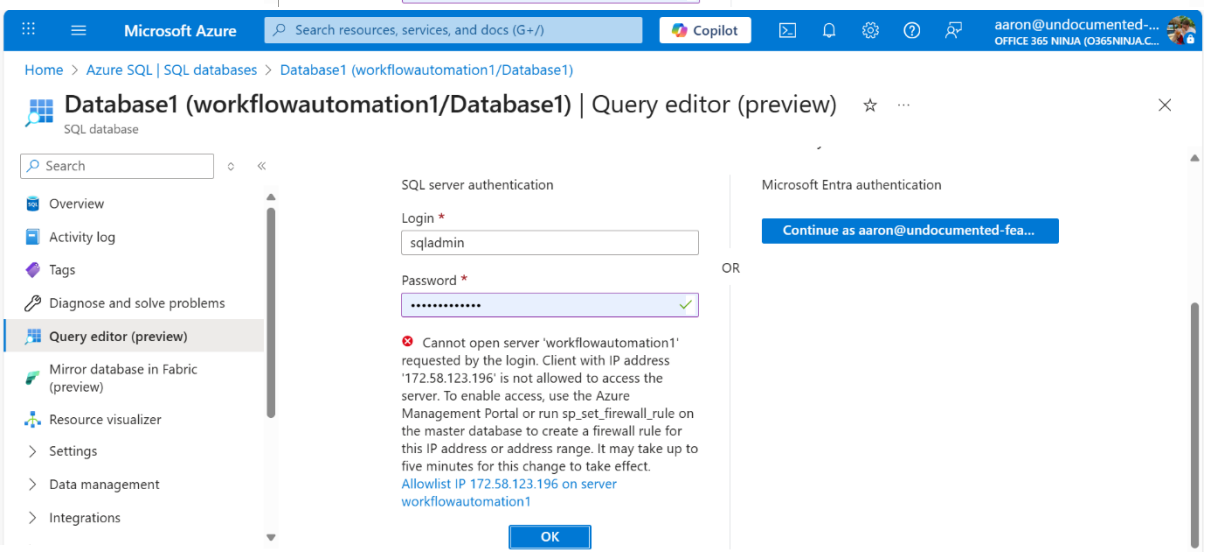



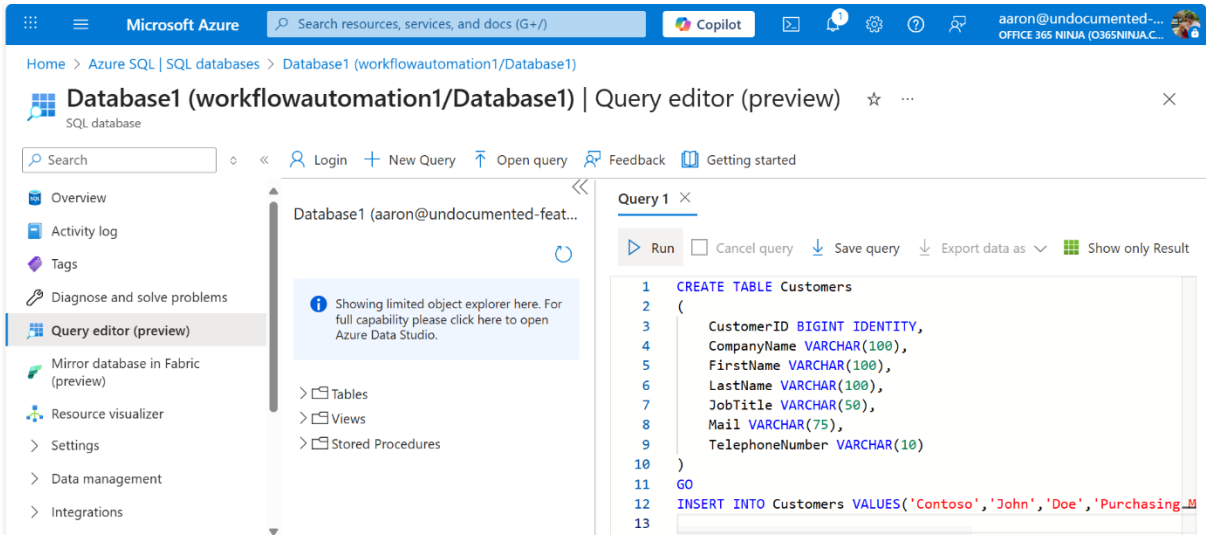



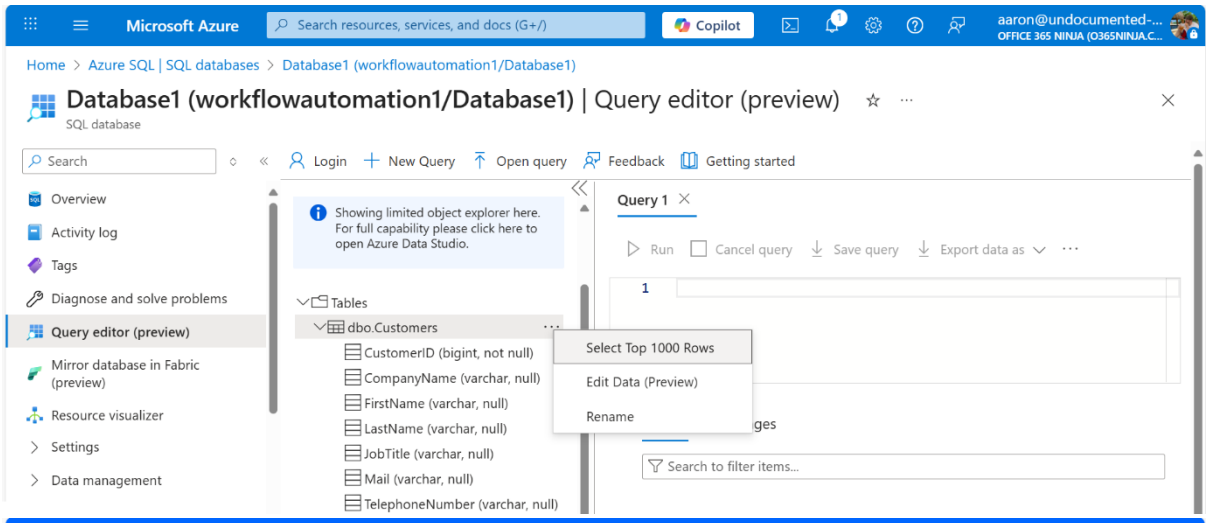

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Azure SQL
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Home > Azure SQL
Azure SQL | SQL log
Office 365 Ninja
Search
All
Services (99+)
More (5)
Services
See more
Azure SQL Database
Azure SQL Database Hyperscale
Azure SQL Managed Instance
Azure SQL
Azure SQL
Azure SQL
Azure SQL
Identify wait types
+1
Group by none
Overview
All resources
Azure SQL Database

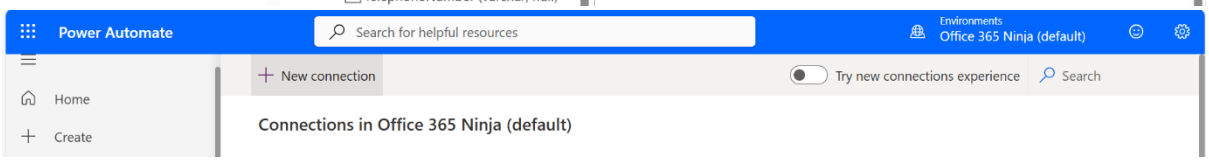

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Search
Create
Manage view
Refresh
Export to CSV
Group by none
Create new SQL database
Overview
All resources
Azure SQL Database
SQL databases
Hyperscale databases
Elastic pools
SQL logical servers
Filter for any field...
Subscription equals all
Resource Group equals all
Type equals all
Location equals all
Add filter
SQL

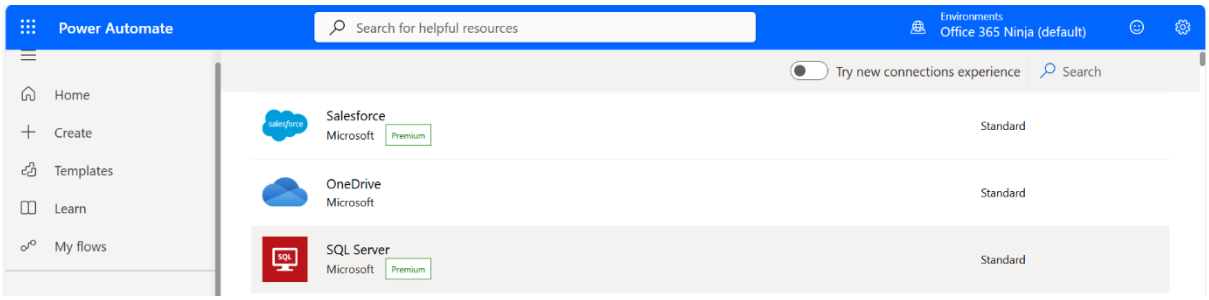

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Home > Azure SQL | SQL databases > Database1 (workflowautomation1/Database1)
Database1 (workflowautomation1/Database1) | Query editor (preview)
SQL database
Search
Login
New Query
Open query
Feedback
Getting started
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Query editor (preview) is a tool to run SQL queries against Azure SQL Database in the Azure portal. It is designed for lightweight querying and object exploration in your database. For more information and troubleshooting, Learn more
SQL
Welcome to SQL Database Query Editor
SQL server authentication
Login *
sqladmin
Password *
OR
Microsoft Entra authentication
Continue as aaron@undocumented-fea...

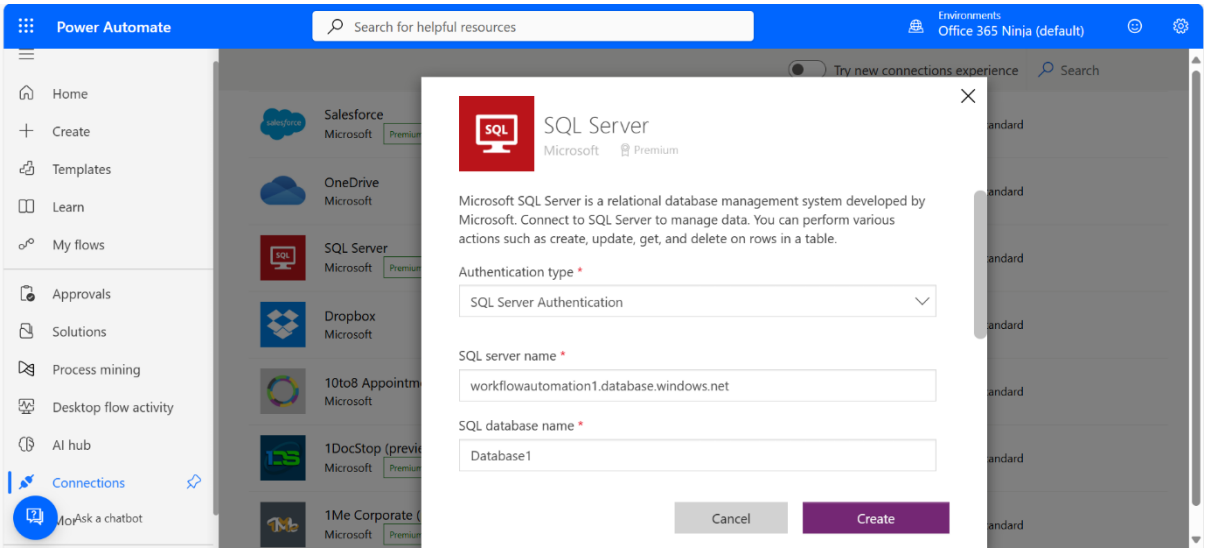

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SQL database
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Overview
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Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
SQL server authentication
Login *
sqladmin
Password *
OR
Microsoft Entra authentication
Continue as aaron@undocumented-fea...
Cannot open server 'workflowautomation1' requested by the login. Client with IP address '172.58.123.196' is not allowed to access the server. To enable access, use the Azure Management Portal or run sp_set_firewall_rule on the master database to create a firewall rule for this IP address or address range. It may take up to five minutes for this change to take effect.
Allowlist IP 172.58.123.196 on server workflowautomation1
OK

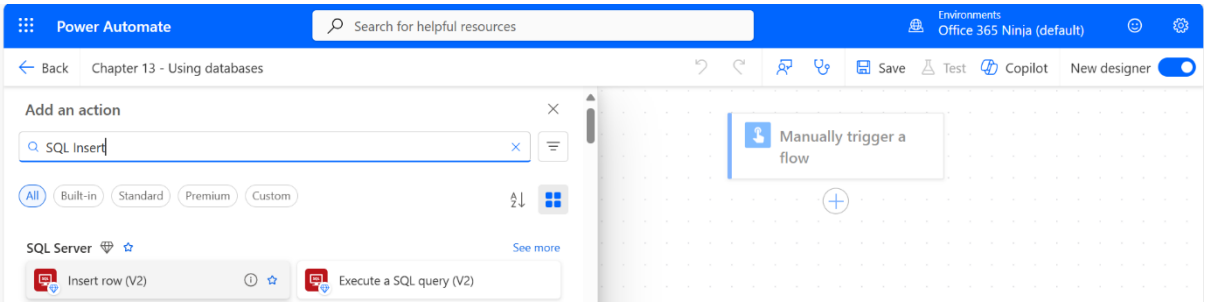

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Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Database1 (aaron@undocumented-feat...
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
Views
Stored Procedures
Query 1
Run
Cancel query
Save query
Export data as
Show only Result
1 CREATE TABLE Customers
2 (
3 CustomerID BIGINT IDENTITY,
4 CompanyName VARCHAR(100),
5 FirstName VARCHAR(100),
6 LastName VARCHAR(100),
7 JobTitle VARCHAR(50),
8 Mail VARCHAR(75),
9 TelephoneNumber VARCHAR(10)
10 )
11 GO
12 INSERT INTO Customers VALUES('Contoso','John','Doe','Purchasing_M
13

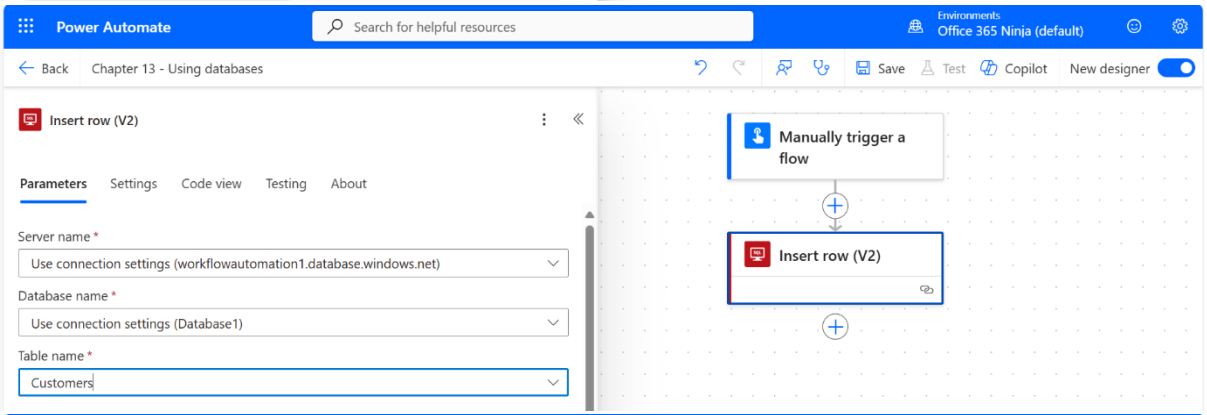

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Database1 (workflowautomation1/Database1) | Query editor (preview)
SQL database
Search
Login
New Query
Open query
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Overview
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Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
dbo.Customers
CustomerID (bigint, not null)
CompanyName (varchar, null)
FirstName (varchar, null)
LastName (varchar, null)
JobTitle (varchar, null)
Mail (varchar, null)
TelephoneNumber (varchar, null)
Select Top 1000 Rows
Edit Data (Preview)
Rename
Query 1
Run
Cancel query
Save query
Export data as
1
Search to filter items...

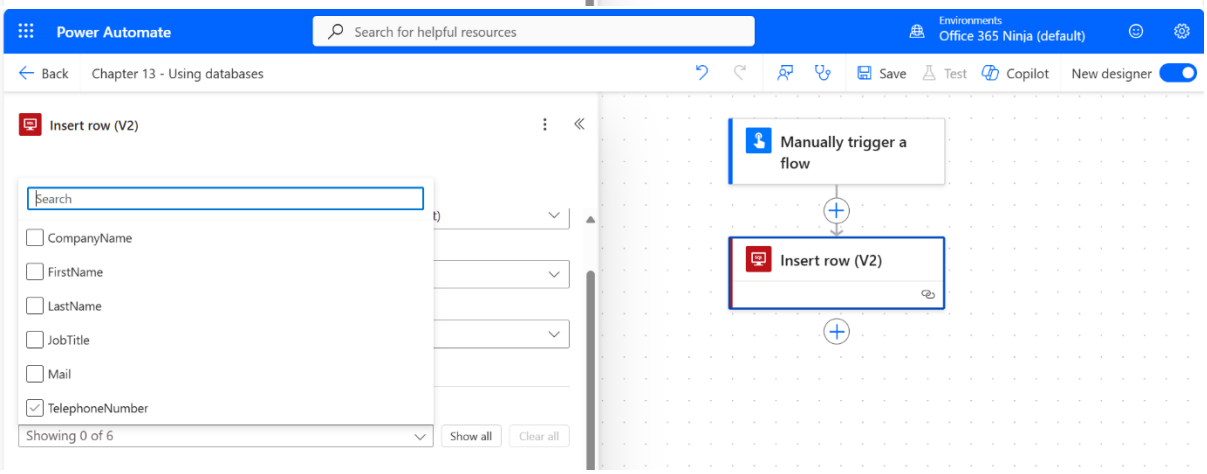

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Home
Create
New connection
Try new connections experience
Search
Connections in Office 365 Ninja (default)

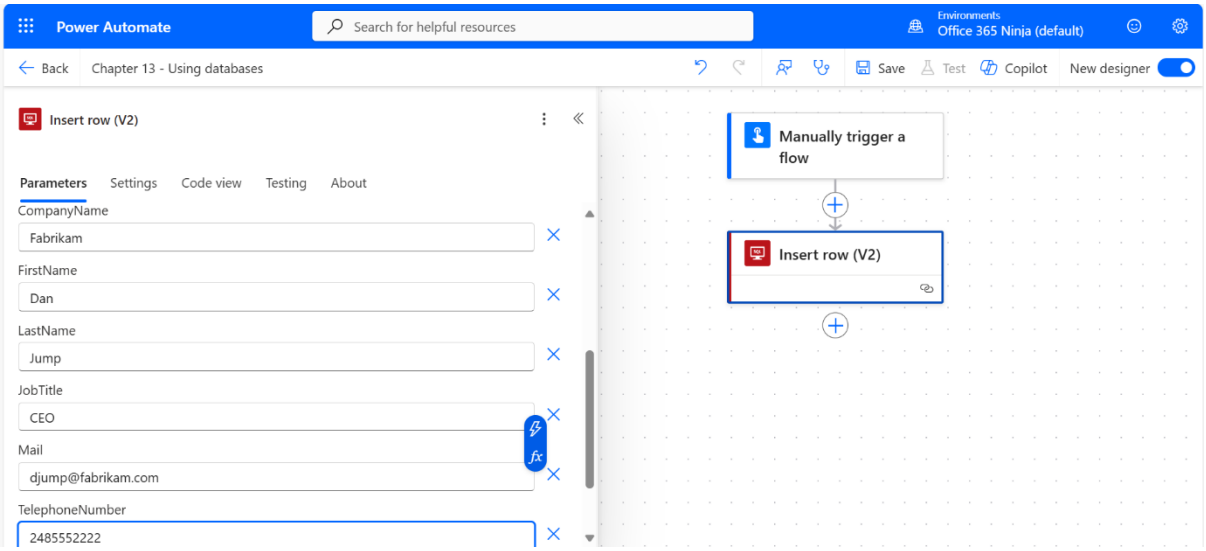

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Templates
Learn
My flows
Try new connections experience
Search
Salesforce
Microsoft
Premium
Standard
OneDrive
Microsoft
Standard
SQL Server
Microsoft
Premium
Standard

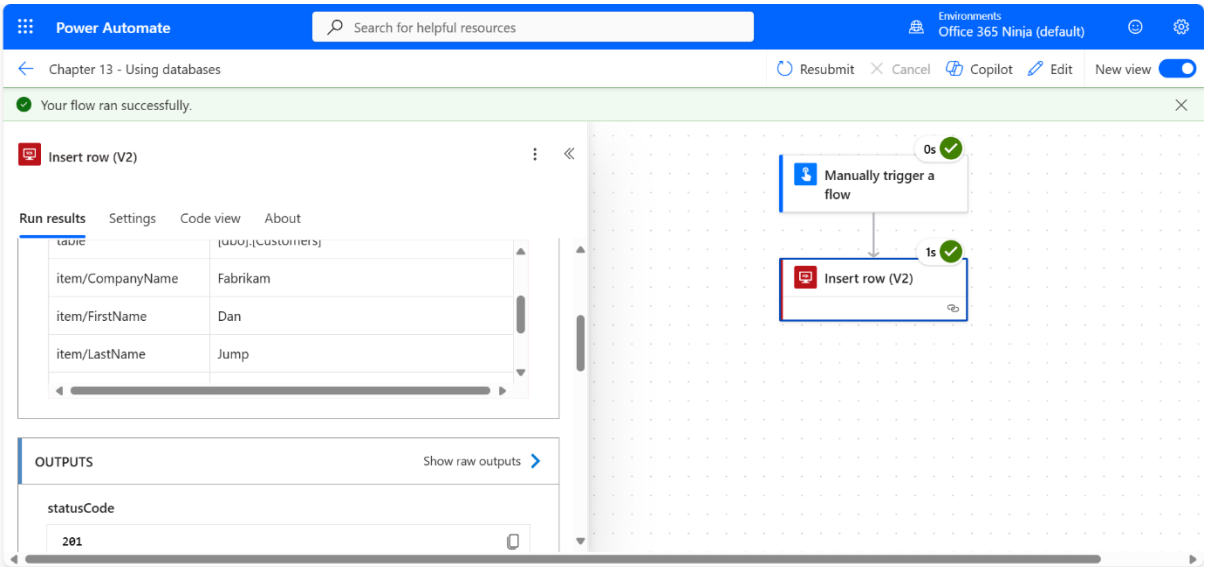

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Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
Connections
Ask a chatbot
Try new connections experience
Search
Salesforce
Microsoft
OneDrive
Microsoft
SQL Server
Microsoft
Dropbox
Microsoft
SQL Server
Microsoft
Premium
Microsoft SQL Server is a relational database management system developed by Microsoft. Connect to SQL Server to manage data. You can perform various actions such as create, update, get, and delete on rows in a table.
Authentication type *
SQL Server Authentication
SQL server name *
workflowautomation1.database.windows.net
SQL database name *
Database1
Cancel
Create

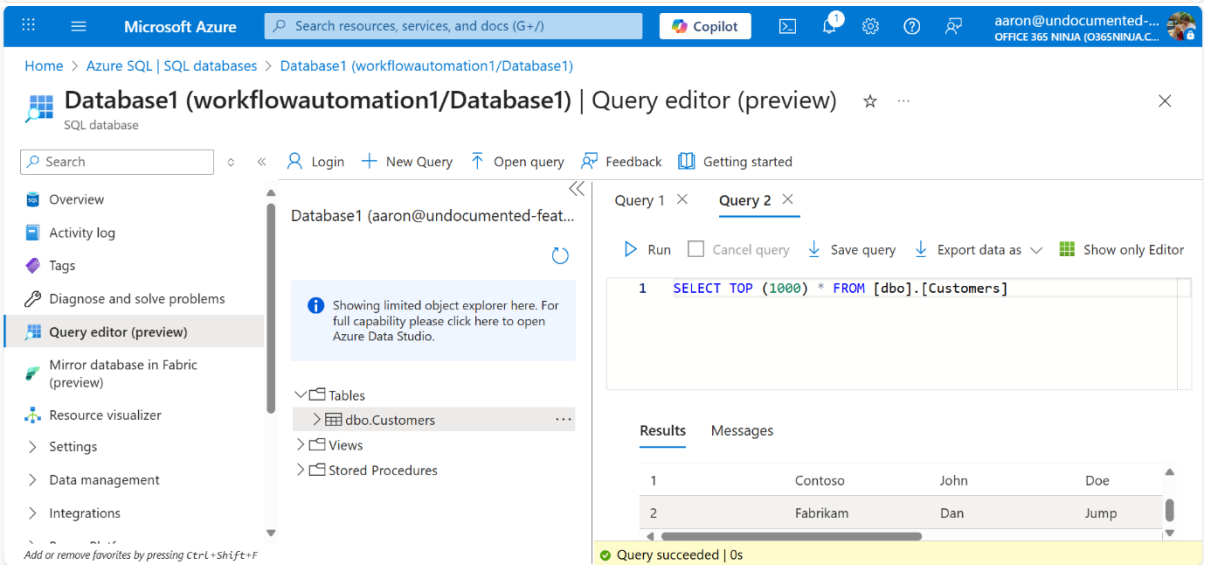

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Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 13 - Using databases
Save
Test
Copilot
New designer
Add an action
SQL Insert
All
Built-in
Standard
Premium
Custom
SQL Server
See more
Insert row (V2)
Execute a SQL query (V2)
Manually trigger a flow


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Office 365 Ninja (default)
Back
Chapter 13 - Using databases
Save
Test
Copilot
New designer
Insert row (V2)
Parameters
Settings
Code view
Testing
About
Server name *
Use connection settings (workflowautomation1.database.windows.net)
Database name *
Use connection settings (Database1)
Table name *
Customers
Manually trigger a flow
Insert row (V2)

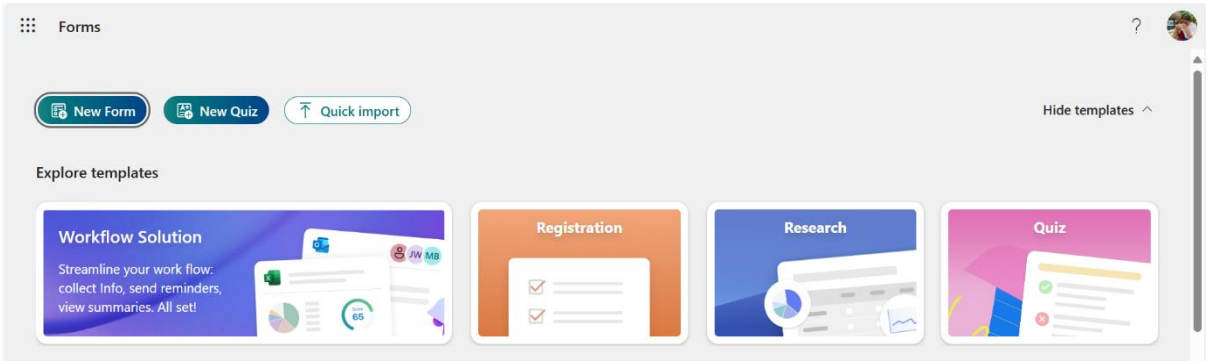

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Environments
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Back
Chapter 13 - Using databases
Save
Test
Copilot
New designer
Insert row (V2)
Search
CompanyName
FirstName
LastName
JobTitle
Mail
TelephoneNumber
Showing 0 of 6
Show all
Clear all
Manually trigger a flow
Insert row (V2)

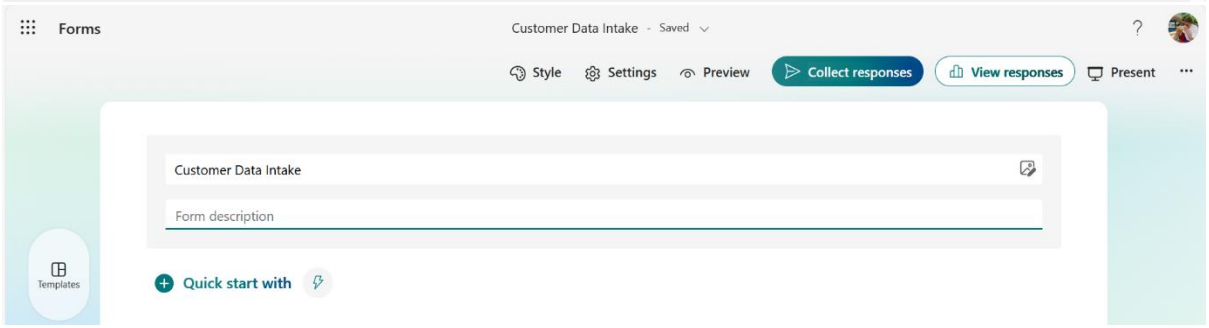

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Chapter 13 - Using databases
Save
Test
Copilot
New designer
Insert row (V2)
Parameters
Settings
Code view
Testing
About
CompanyName
Fabrikam
FirstName
Dan
LastName
Jump
JobTitle
CEO
Mail
djump@fabrikam.com
TelephoneNumber
2485552222
Manually trigger a flow
Insert row (V2)

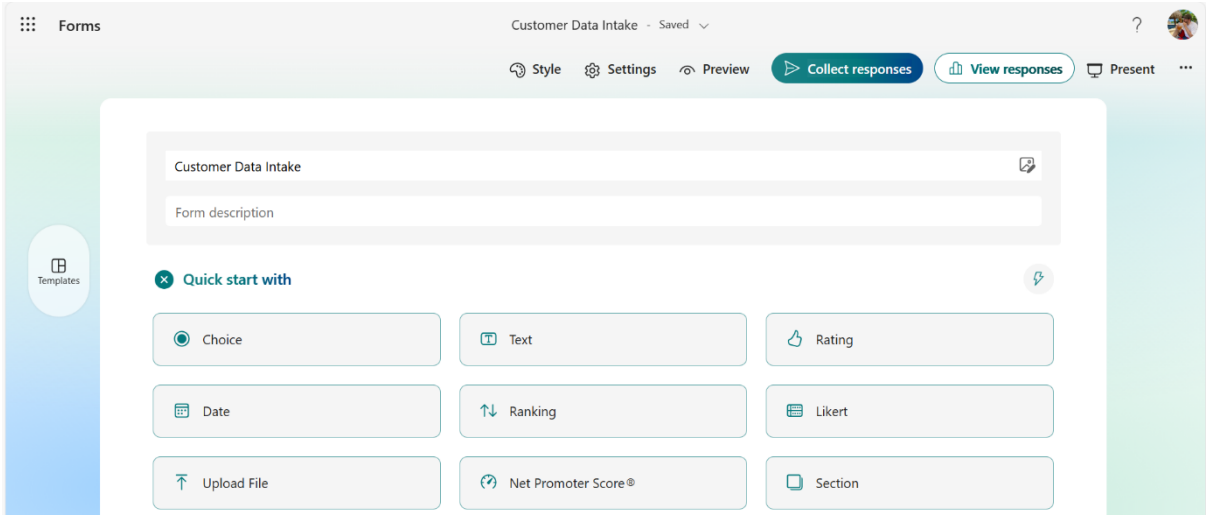

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Environments
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Chapter 13 - Using databases
Resubmit
Cancel
Copilot
Edit
New view
Your flow ran successfully.
Insert row (V2)
Run results
Settings
Code view
About
item/CompanyName
Fabrikam
item/FirstName
Dan
item/LastName
Jump
OUTPUTS
Show raw outputs
statusCode
201
0s
Manually trigger a flow
1s
Insert row (V2)

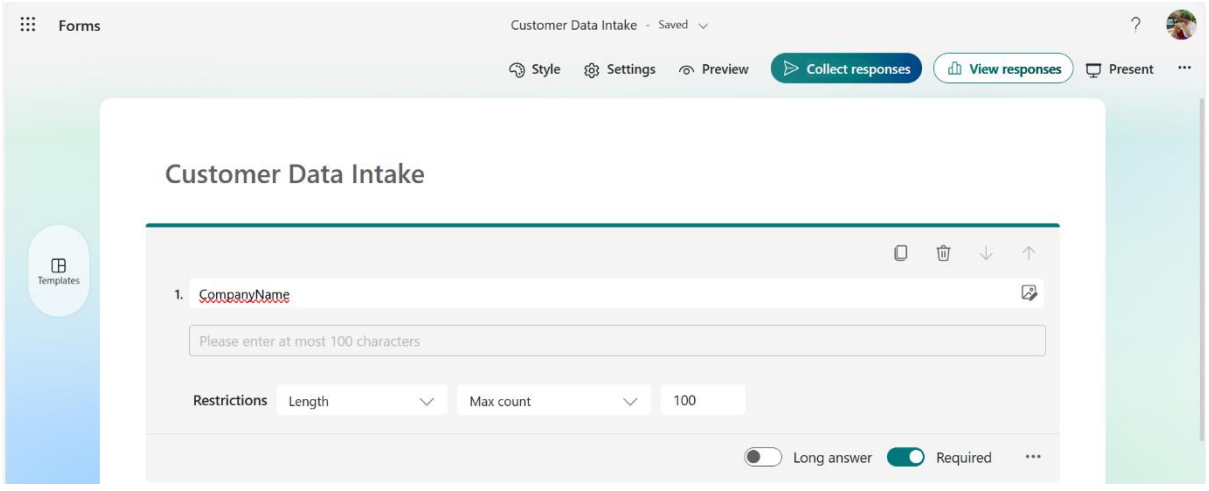

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Database1 (workflowautomation1/Database1) | Query editor (preview)
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Open query
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Getting started
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Add or remove favorites by pressing Ctrl+Shift+F
Database1 (aaron@undocumented-feat...
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
dbo.Customers
Views
Stored Procedures
Query 1
Query 2
Run
Cancel query
Save query
Export data as
Show only Editor
1 SELECT TOP (1000) * FROM [dbo].[Customers]
Results
Messages
1 Contoso John Doe
2 Fabrikam Dan Jump
Query succeeded | 0s

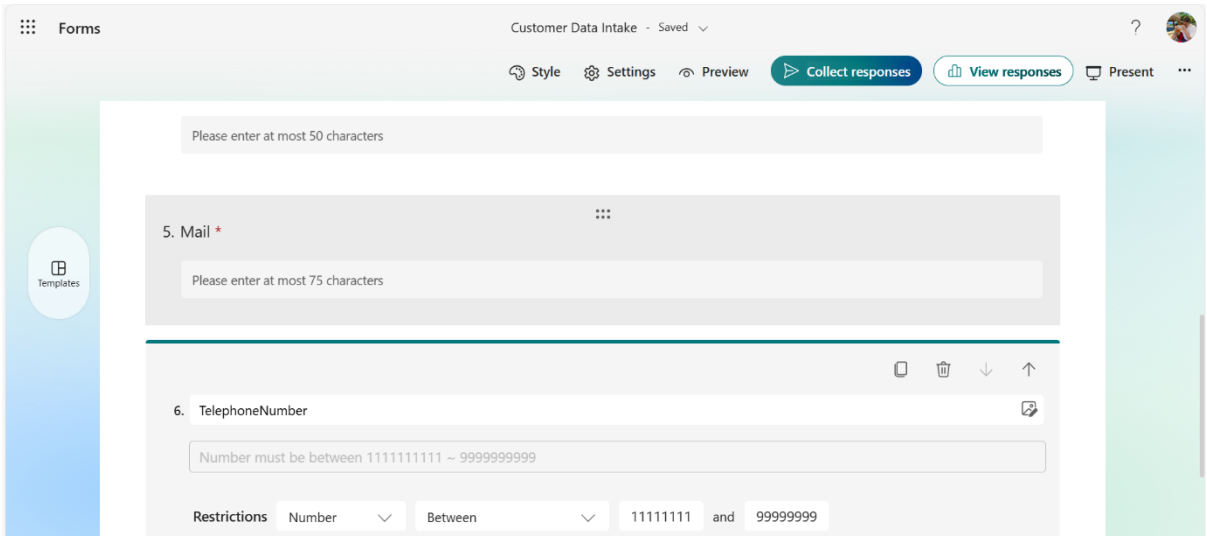
# Chapter 14: Working with Microsoft Forms

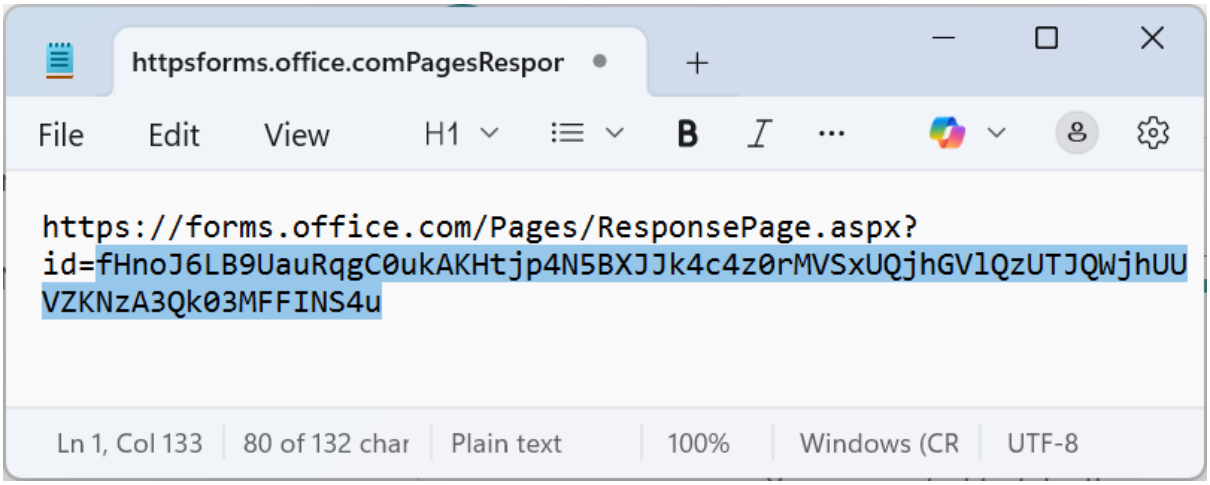


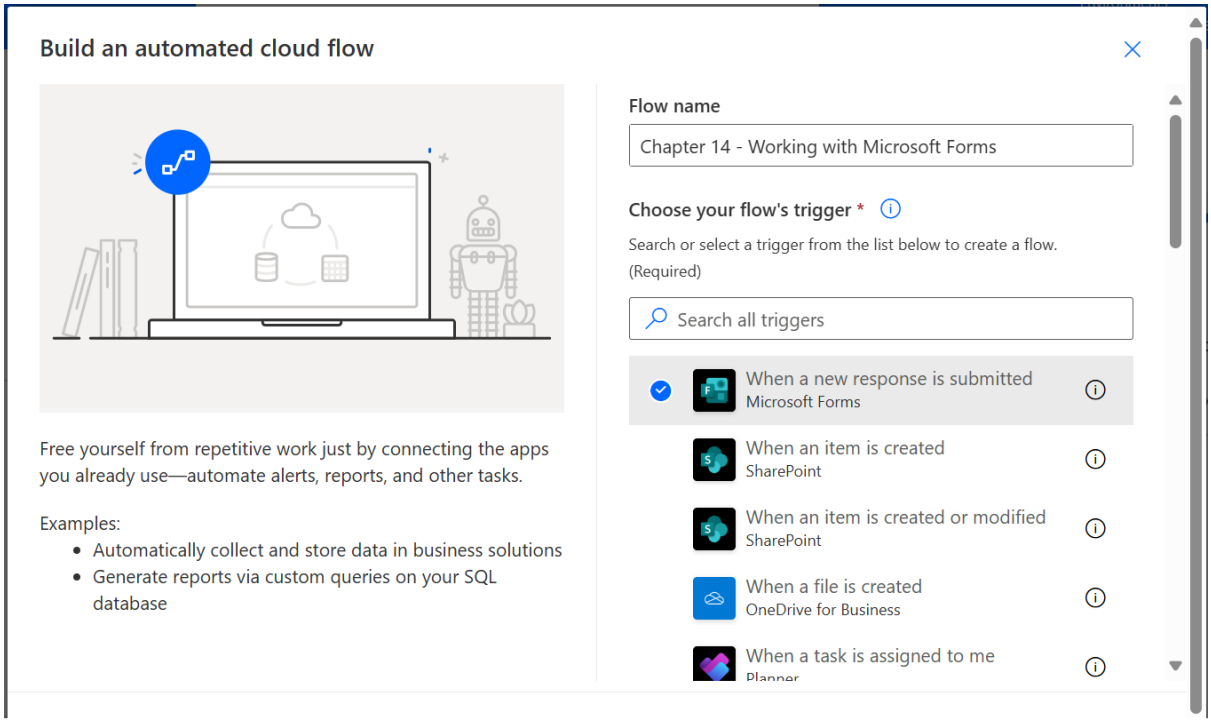



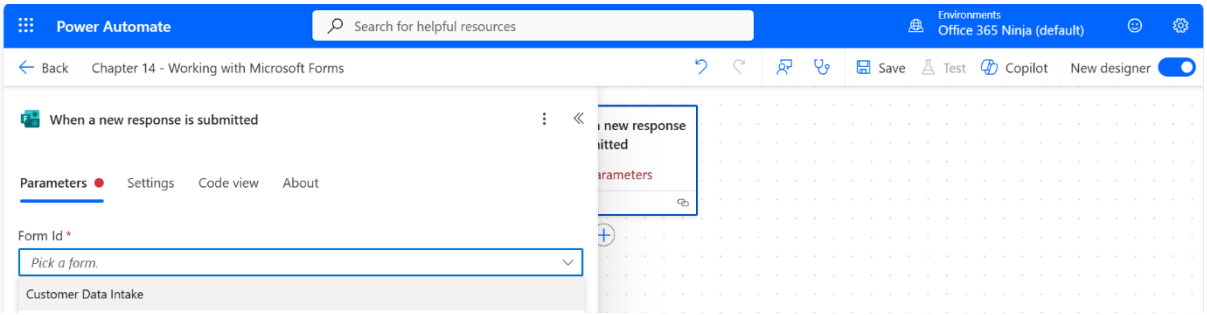



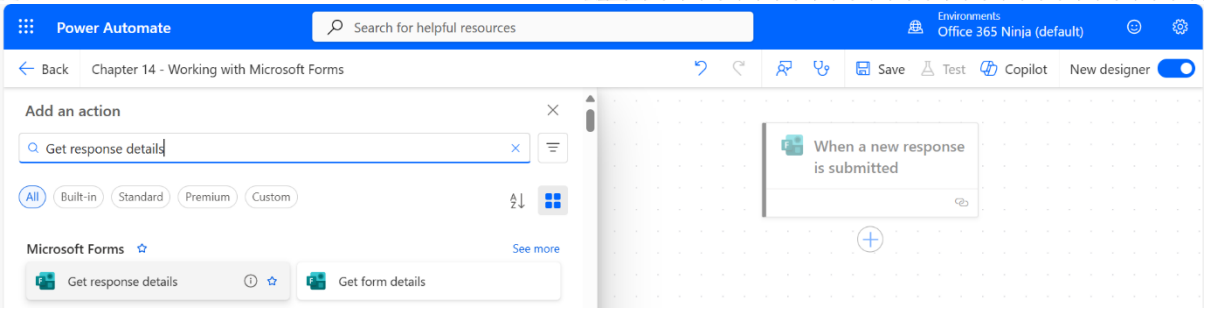



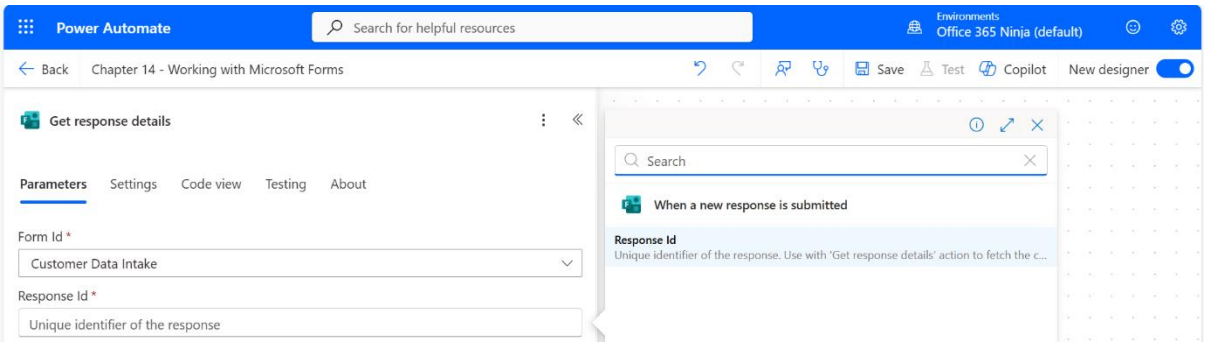

Forms
Customer Data Intake - Saved
Style
Settings
Preview
Collect responses
View responses
Present
Please enter at most 50 characters
5. Mail *
Templates
Please enter at most 75 characters
6. TelephoneNumber
Number must be between 1111111111 ~ 9999999999
Restrictions
Number
Between
11111111
and
99999999

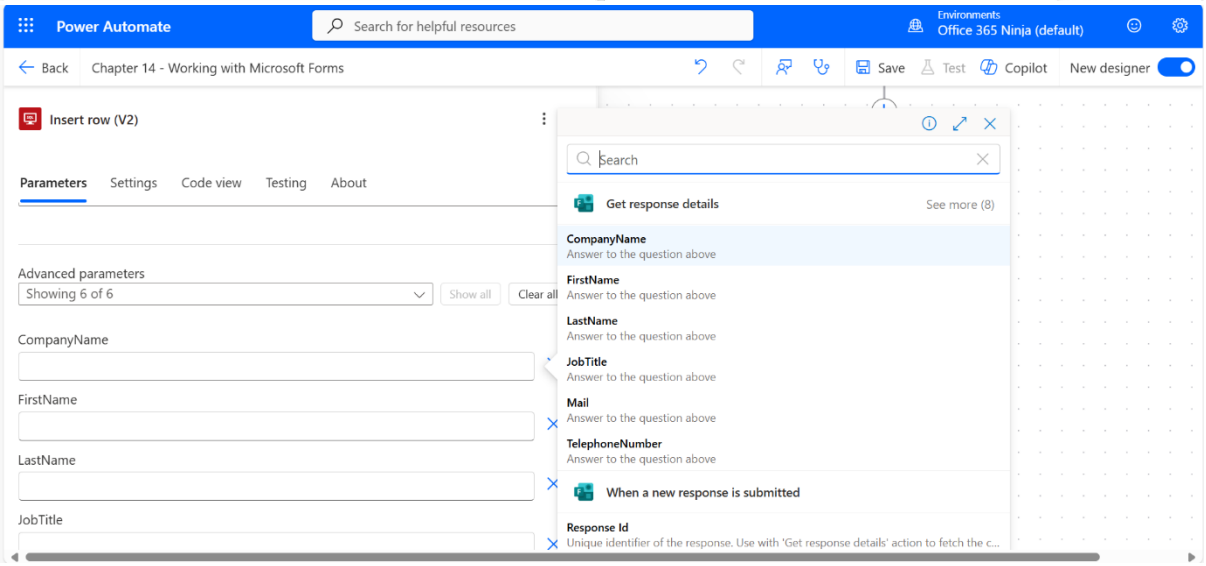

httpsforms.office.comPagesRespor
File
Edit
View
H1
https://forms.office.com/Pages/ResponsePage.aspx?id=fHnoJ6LB9UauRqgC0ukAKHtjp4N5BXJJk4c4z0rMVSxUQjhGVlQzUTJQWjhUUVZKNzA3Qk03MFFINS4u
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80 of 132 char
Plain text
100%
Windows (CR
UTF-8

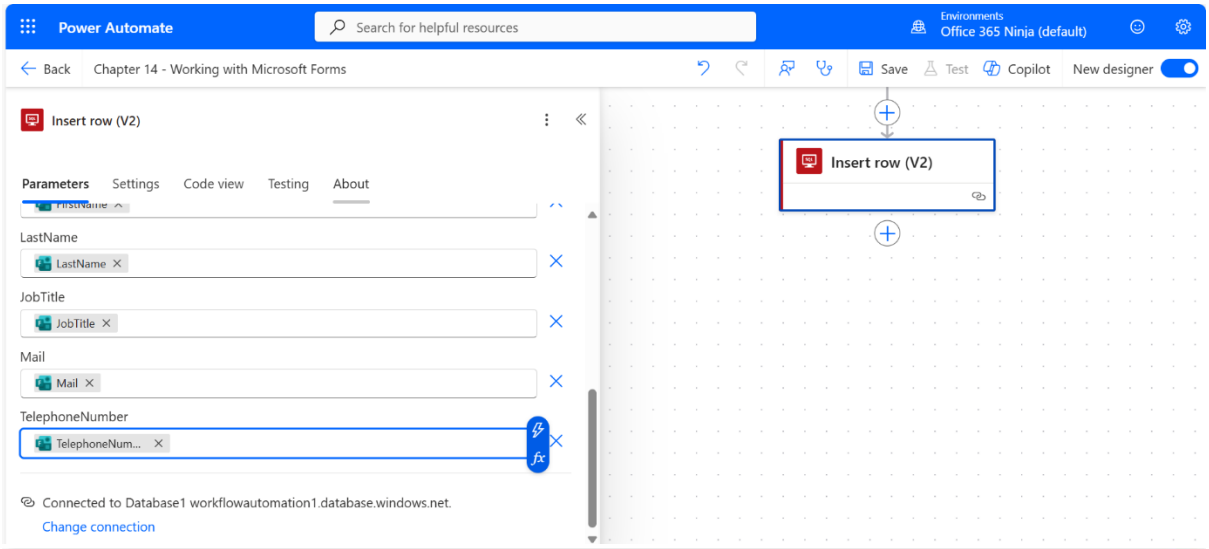

Build an automated cloud flow
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Flow name
Chapter 14 - Working with Microsoft Forms
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
Search all triggers
When a new response is submitted
Microsoft Forms
When an item is created
SharePoint
When an item is created or modified
SharePoint
When a file is created
OneDrive for Business
When a task is assigned to me

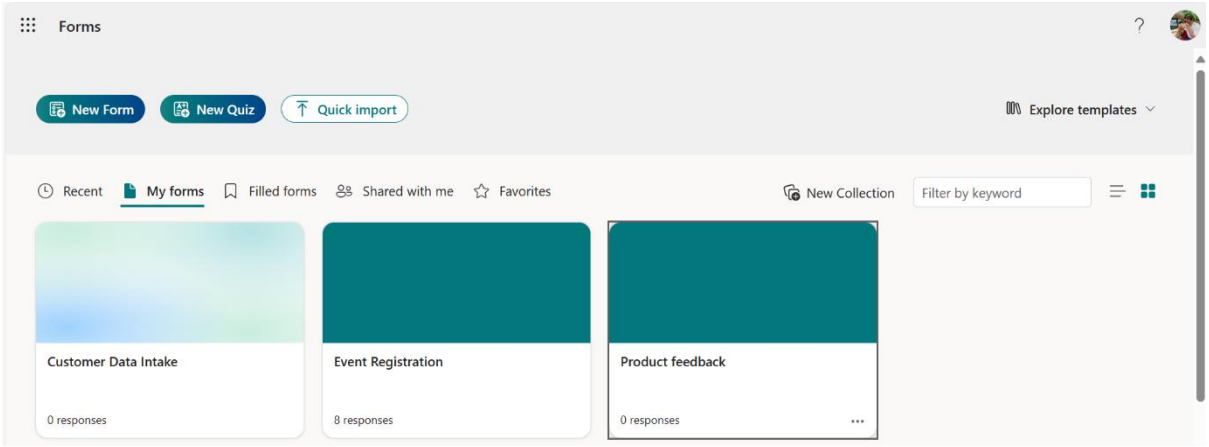

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Save
Test
Copilot
New designer
When a new response is submitted
Parameters
Settings
Code view
About
Form Id *
Pick a form.
Customer Data Intake

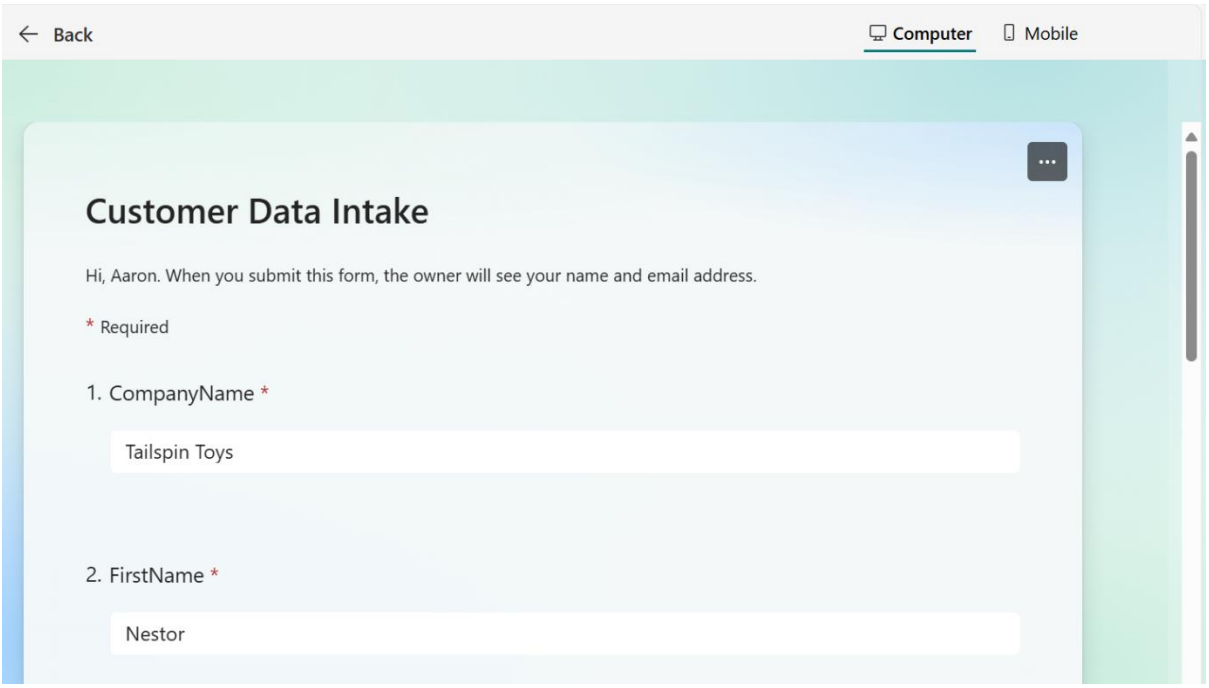

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Save
Test
Copilot
New designer
Add an action
Get response details
All
Built-in
Standard
Premium
Custom
Microsoft Forms
See more
Get response details
Get form details
When a new response is submitted

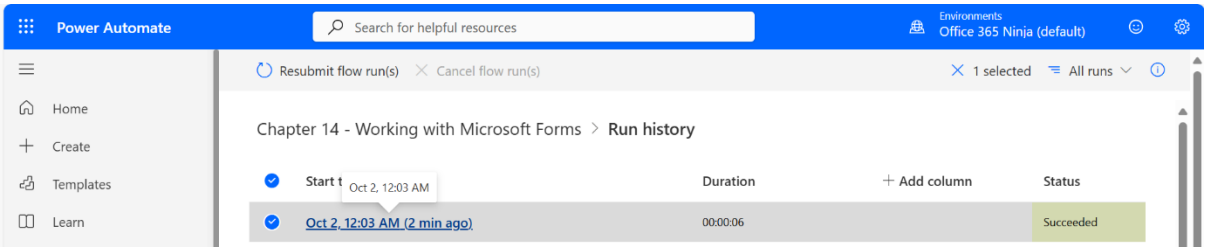

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Save
Test
Copilot
New designer
Get response details
Parameters
Settings
Code view
Testing
About
Form Id *
Customer Data Intake
Response Id *
Unique identifier of the response
Search
When a new response is submitted
Response Id
Unique identifier of the response. Use with 'Get response details' action to fetch the c...

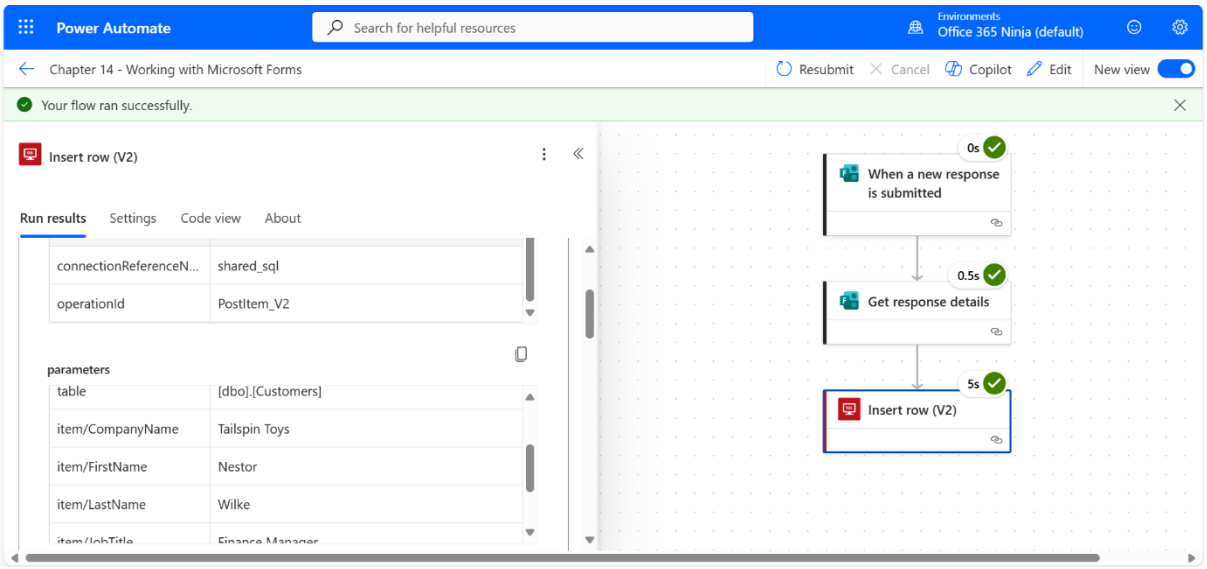

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Save
Test
Copilot
New designer
Insert row (V2)
Parameters
Settings
Code view
Testing
About
Advanced parameters
Showing 6 of 6
Show all
Clear all
CompanyName
FirstName
LastName
JobTitle
Search
Get response details
See more (8)
CompanyName
Answer to the question above
FirstName
Answer to the question above
LastName
Answer to the question above
JobTitle
Answer to the question above
Mail
Answer to the question above
TelephoneNumber
Answer to the question above
When a new response is submitted
Response Id
Unique identifier of the response. Use with 'Get response details' action to fetch the c...

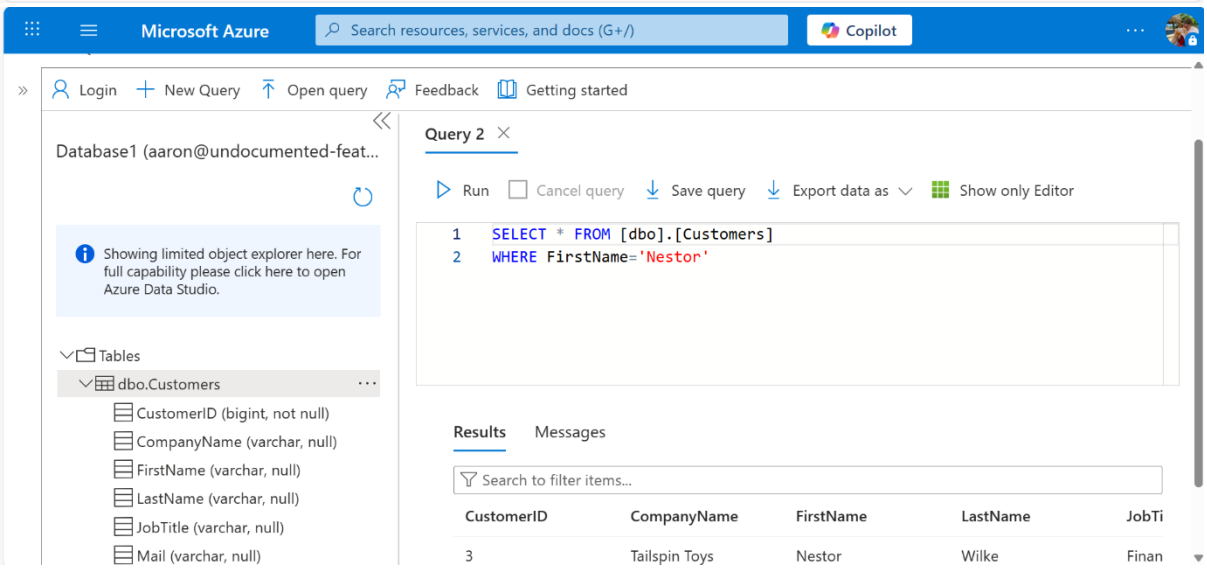

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Chapter 14 - Working with Microsoft Forms
Save
Test
Copilot
New designer
Insert row (V2)
Parameters
Settings
Code view
Testing
About
LastName
JobTitle
Mail
TelephoneNumber
Connected to Database1 workflowautomation1.database.windows.net.
Change connection
Insert row (V2)


Forms
New Form
New Quiz
Quick import
Explore templates
Recent
My forms
Filled forms
Shared with me
Favorites
New Collection
Filter by keyword
Customer Data Intake
0 responses
Event Registration
8 responses
Product feedback
0 responses

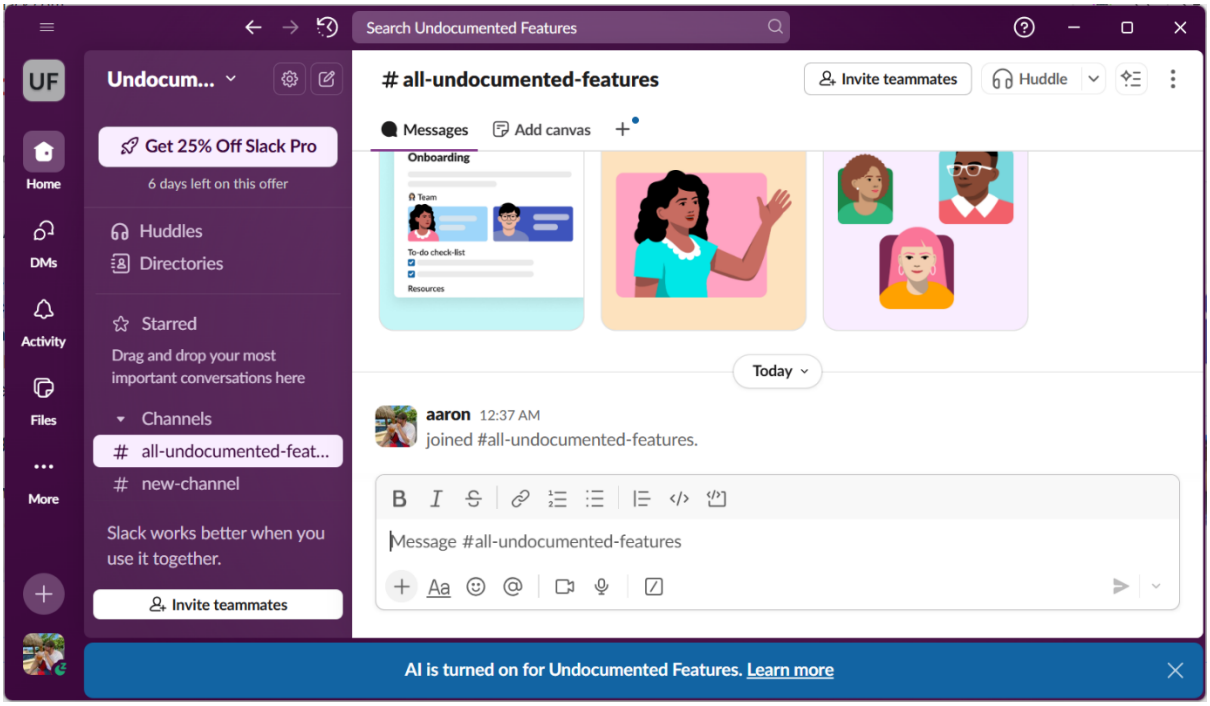

Back
Computer
Mobile
Customer Data Intake
Hi, Aaron. When you submit this form, the owner will see your name and email address.
* Required
1. CompanyName *
Tailspin Toys
2. FirstName *
Nestor

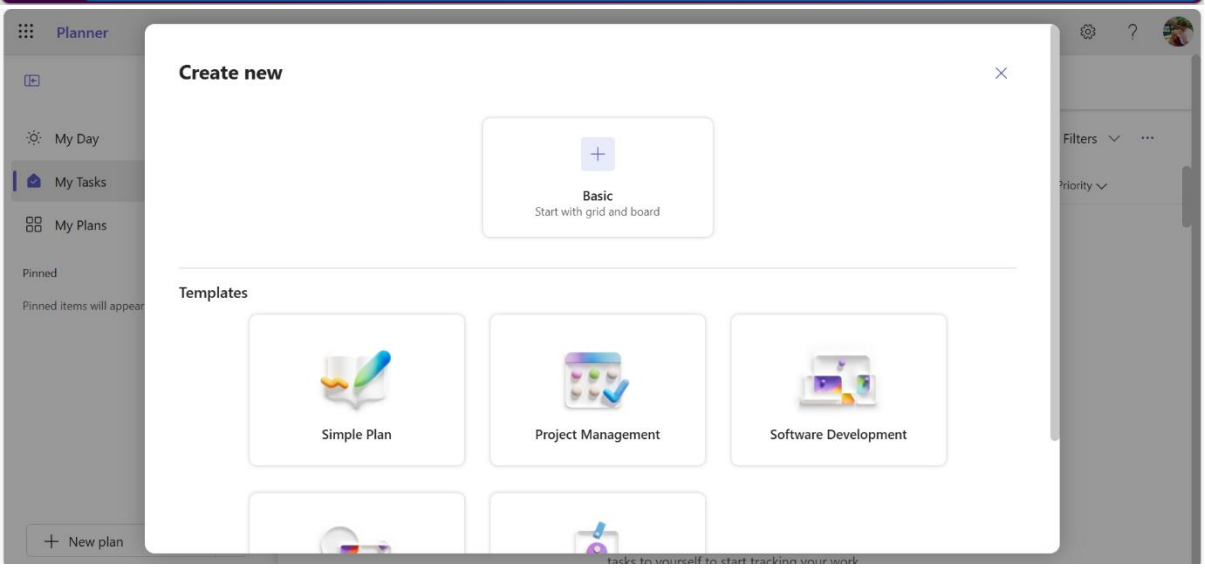

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Environments
Office 365 Ninja (default)
Resubmit flow run(s)
Cancel flow run(s)
1 selected
All runs
Home
Create
Templates
Learn
Chapter 14 - Working with Microsoft Forms
Run history
Start t
Oct 2, 12:03 AM
Duration
Add column
Status
Oct 2, 12:03 AM (2 min ago)
00:00:06
Succeeded

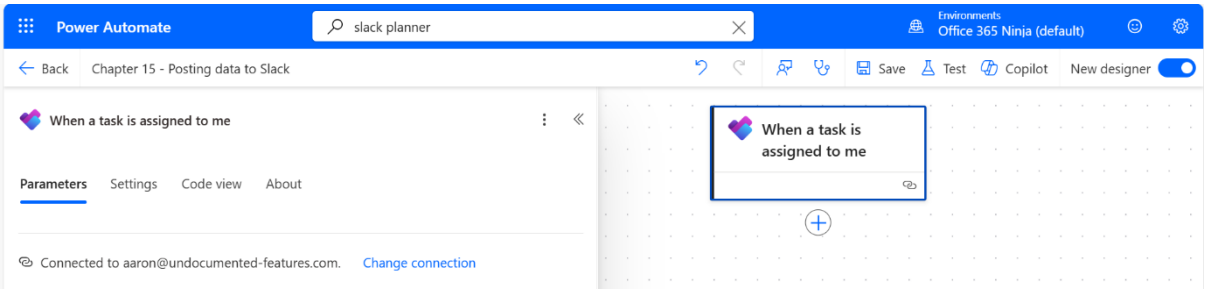

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Chapter 14 - Working with Microsoft Forms
Resubmit
Cancel
Copilot
Edit
New view
Your flow ran successfully.
Insert row (V2)
Run results
Settings
Code view
About
connectionReferenceN...
shared_sql
operationId
PostItem_V2
parameters
table
[dbo].[Customers]
item/CompanyName
Tailspin Toys
item/FirstName
Nestor
item/LastName
Wilke
0s
When a new response is submitted
0.5s
Get response details
5s
Insert row (V2)

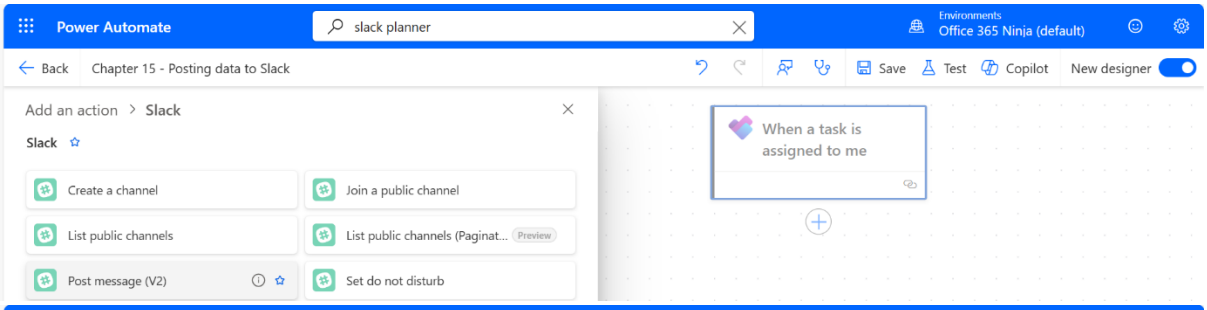

Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Login
New Query
Open query
Feedback
Getting started
Database1 (aaron@undocumented-feat...
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
dbo.Customers
CustomerID (bigint, not null)
CompanyName (varchar, null)
FirstName (varchar, null)
LastName (varchar, null)
JobTitle (varchar, null)
Mail (varchar, null)
Query 2
Run
Cancel query
Save query
Export data as
Show only Editor
1 SELECT * FROM [dbo].[Customers]
2 WHERE FirstName='Nestor'
Results
Messages
Search to filter items...
CustomerID
CompanyName
FirstName
LastName
JobTi
3
Tailspin Toys
Nestor
Wilke
Finan

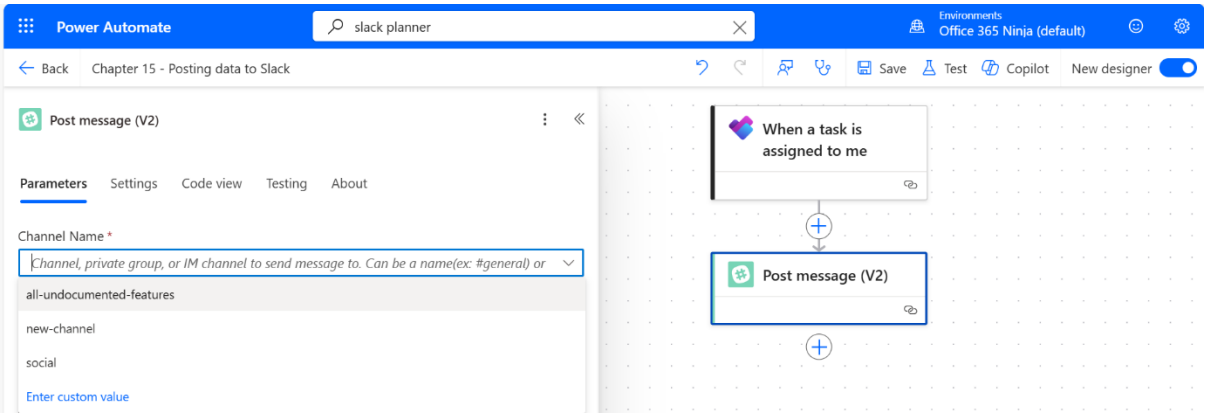
# Chapter 15: Posting to Slack

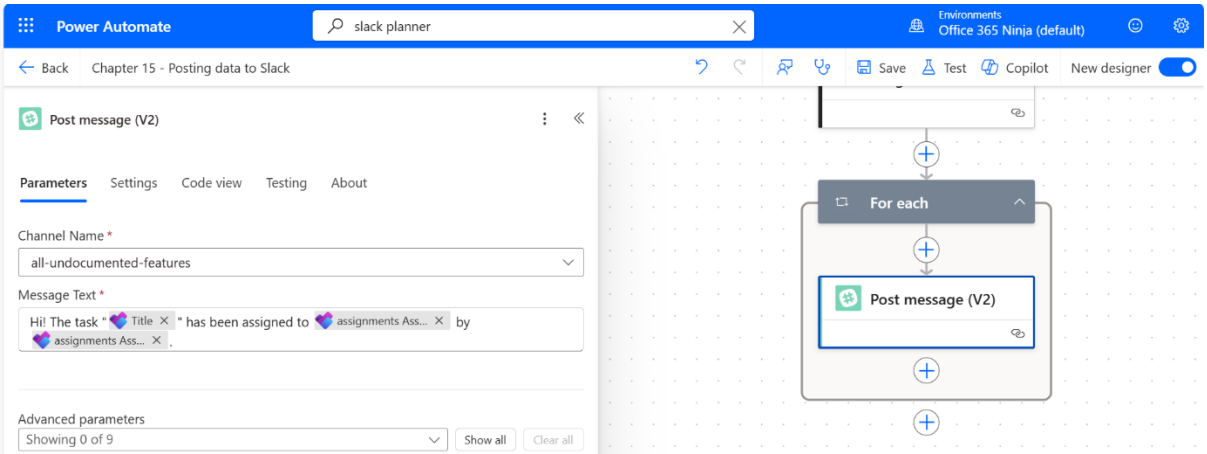


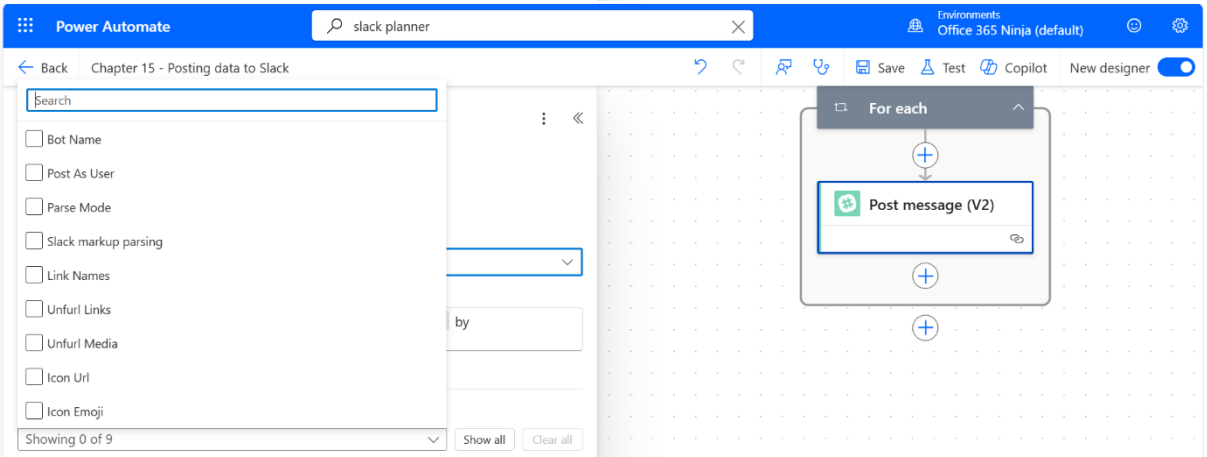



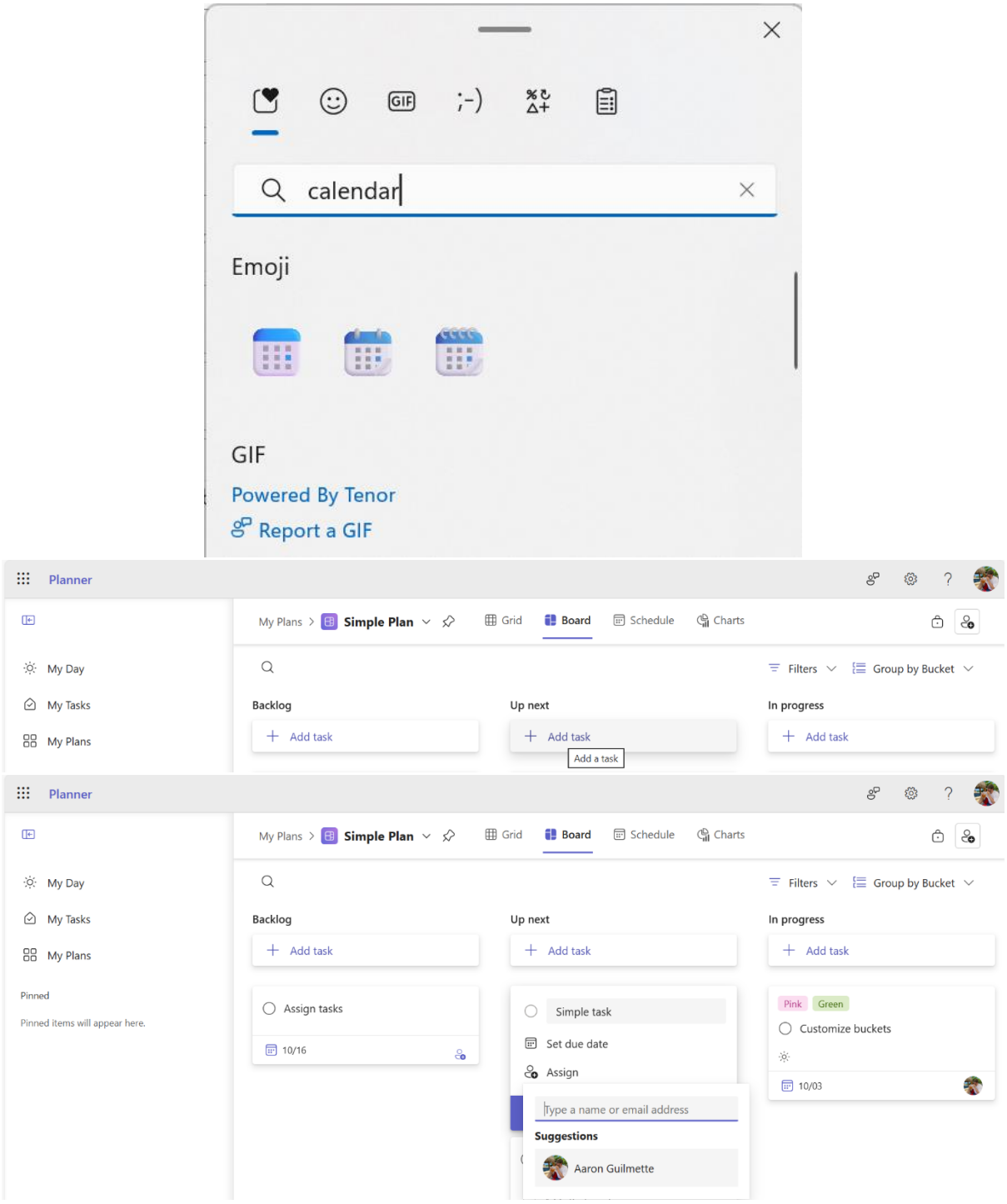



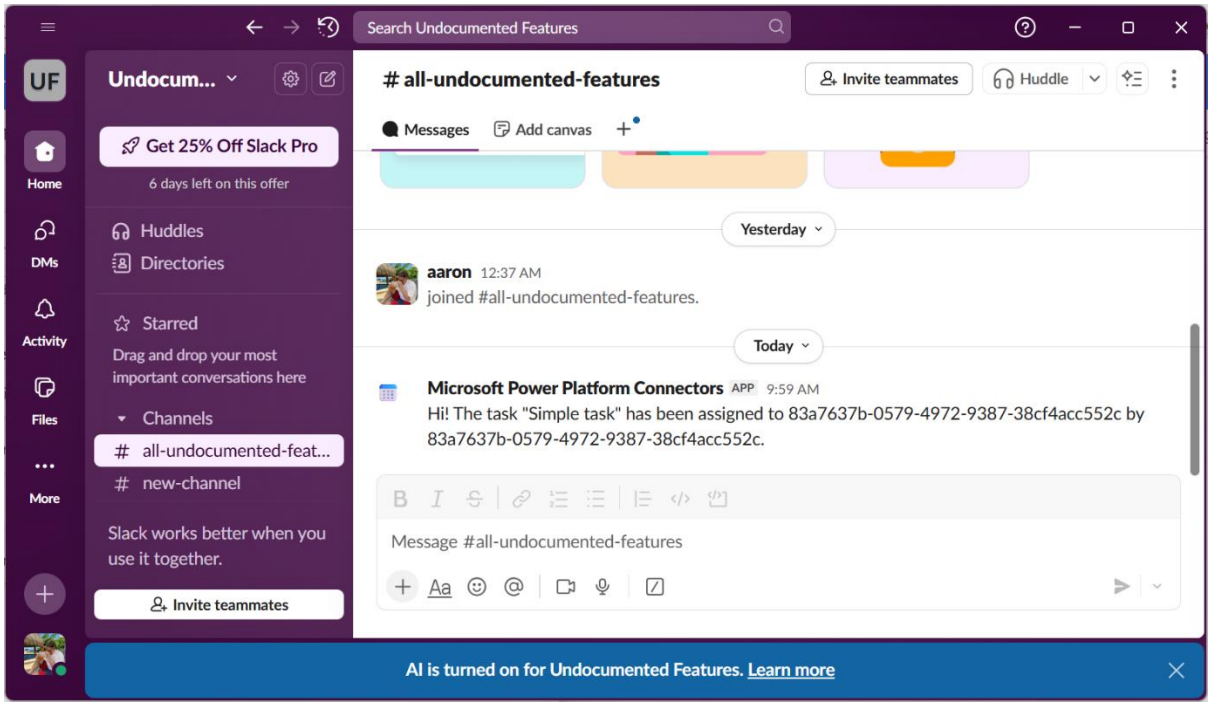

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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Add an action > Slack
Slack
Create a channel
Join a public channel
List public channels
List public channels (Paginat...
Preview
Post message (V2)
Set do not disturb
When a task is assigned to me

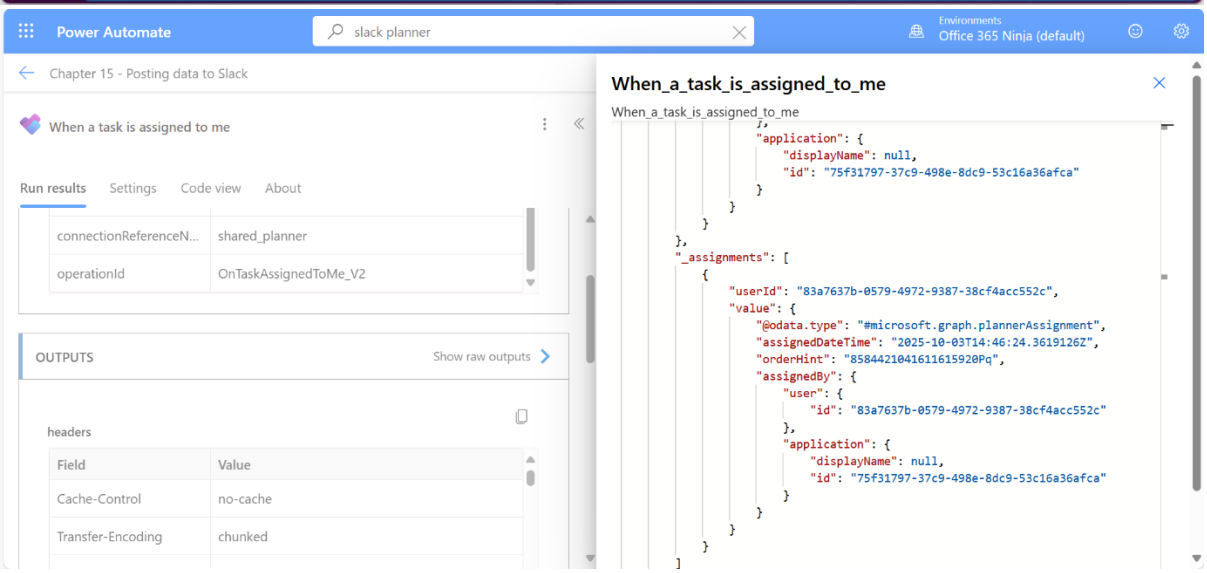

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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Post message (V2)
Parameters
Settings
Code view
Testing
About
Channel Name *
Channel, private group, or IM channel to send message to. Can be a name(ex: #general) or
all-undocumented-features
new-channel
social
Enter custom value
When a task is assigned to me
Post message (V2)

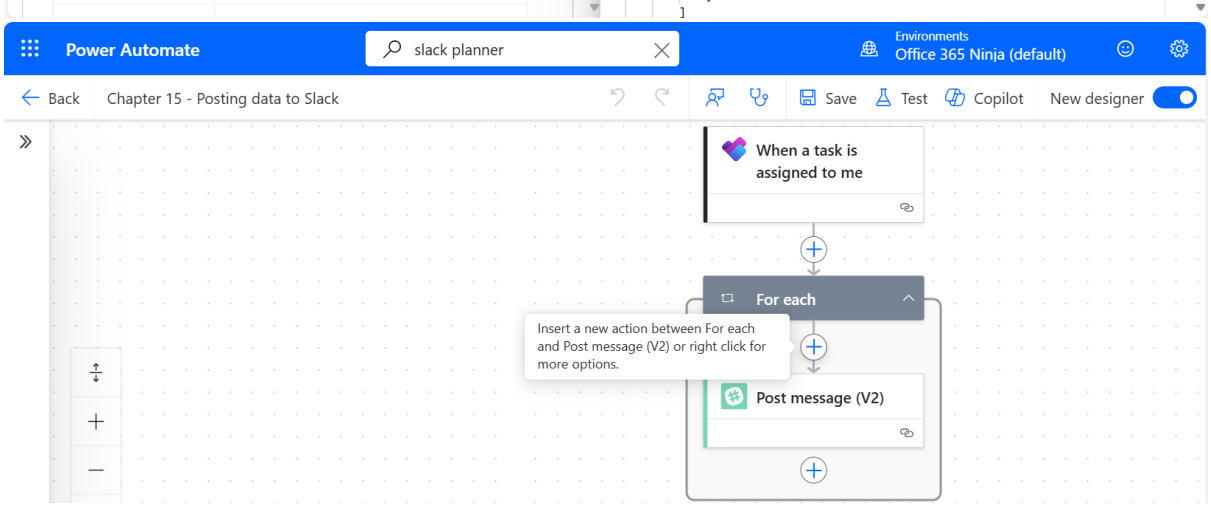

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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Post message (V2)
Parameters
Settings
Code view
Testing
About
Channel Name *
all-undocumented-features
Message Text *
Hi! The task "
Title
" has been assigned to
assignments Ass...
by
assignments Ass...
.
Advanced parameters
Showing 0 of 9
Show all
Clear all
For each
Post message (V2)

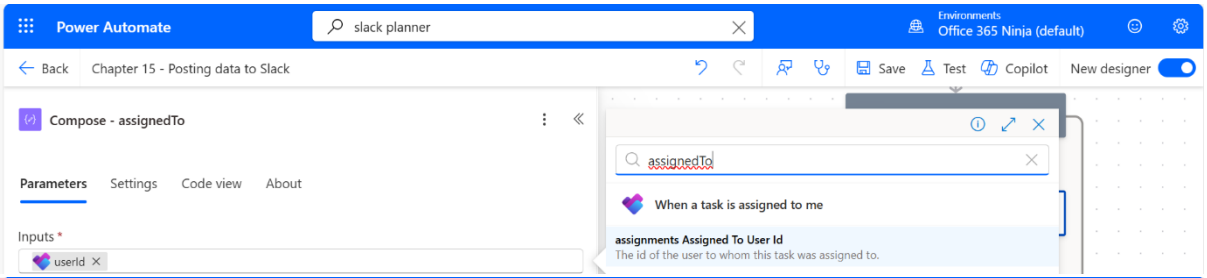

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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Search
Bot Name
Post As User
Parse Mode
Slack markup parsing
Link Names
Unfurl Links
Unfurl Media
Icon Url
Icon Emoji
Showing 0 of 9
Show all
Clear all
by
For each
Post message (V2)

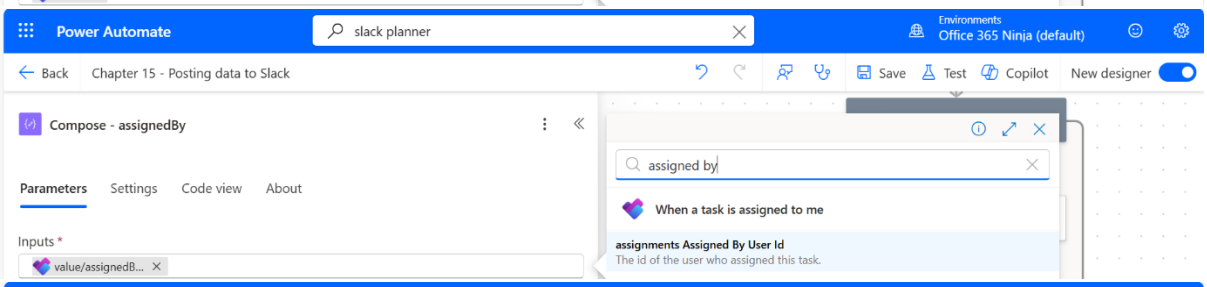

calendar
Emoji
GIF
Powered By Tenor
Report a GIF
Planner
My Plans
Simple Plan
Grid
Board
Schedule
Charts
My Day
My Tasks
My Plans
Filters
Group by Bucket
Backlog
Up next
In progress
Add task
Add a task
Pinned
Pinned items will appear here.
Assign tasks
10/16
Simple task
Set due date
Assign
Type a name or email address
Suggestions
Aaron Guilmette
Pink
Green
Customize buckets
10/03

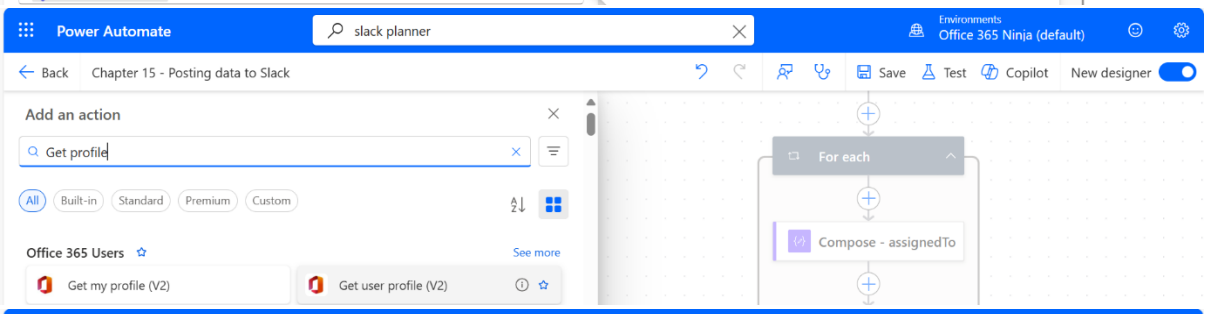

Search Undocumented Features
Undocum...
# all-undocumented-features
Invite teammates
Huddle
Get 25% Off Slack Pro
6 days left on this offer
Messages
Add canvas
Home
DMs
Activity
Files
More
Huddles
Directories
Starred
Drag and drop your most important conversations here
Channels
all-undocumented-feat...
new-channel
Slack works better when you use it together.
Invite teammates
Yesterday
aaron 12:37 AM
joined #all-undocumented-features.
Today
Microsoft Power Platform Connectors APP 9:59 AM
Hi! The task "Simple task" has been assigned to 83a7637b-0579-4972-9387-38cf4acc552c by 83a7637b-0579-4972-9387-38cf4acc552c.
Message #all-undocumented-features
AI is turned on for Undocumented Features. Learn more

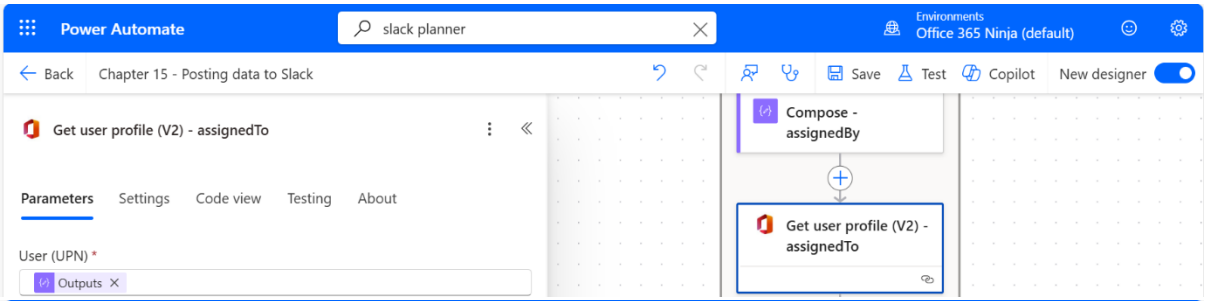

Power Automate
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Environments
Office 365 Ninja (default)
Chapter 15 - Posting data to Slack
When a task is assigned to me
Run results
Settings
Code view
About
connectionReferenceN...
shared_planner
operationId
OnTaskAssignedToMe_V2
OUTPUTS
Show raw outputs
headers
Field
Value
Cache-Control
no-cache
Transfer-Encoding
chunked
When_a_task_is_assigned_to_me
When_a_task_is_assigned_to_me
"application": {
"displayName": null,
"id": "75f31797-37c9-498e-8dc9-53c16a36afca"
"_assignments": [
"userId": "83a7637b-0579-4972-9387-38cf4acc552c",
"value": {
"@odata.type": "#microsoft.graph.plannerAssignment",
"assignedDateTime": "2025-10-03T14:46:24.3619126Z",
"orderHint": "8584421041611615920Pq",
"assignedBy": {
"user": {
"id": "83a7637b-0579-4972-9387-38cf4acc552c"

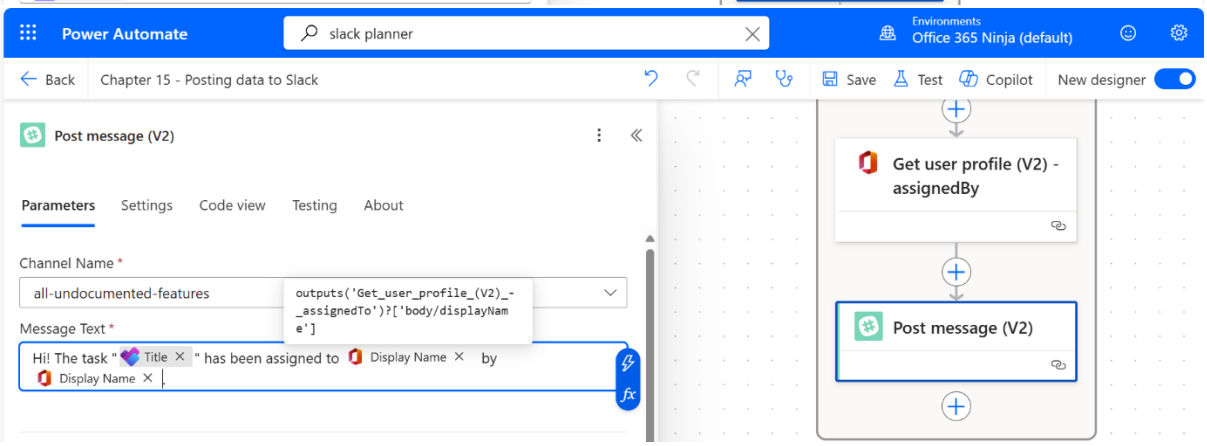

Power Automate
slack planner
Environments
Office 365 Ninja (default)
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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
When a task is assigned to me
For each
Insert a new action between For each and Post message (V2) or right click for more options.
Post message (V2)

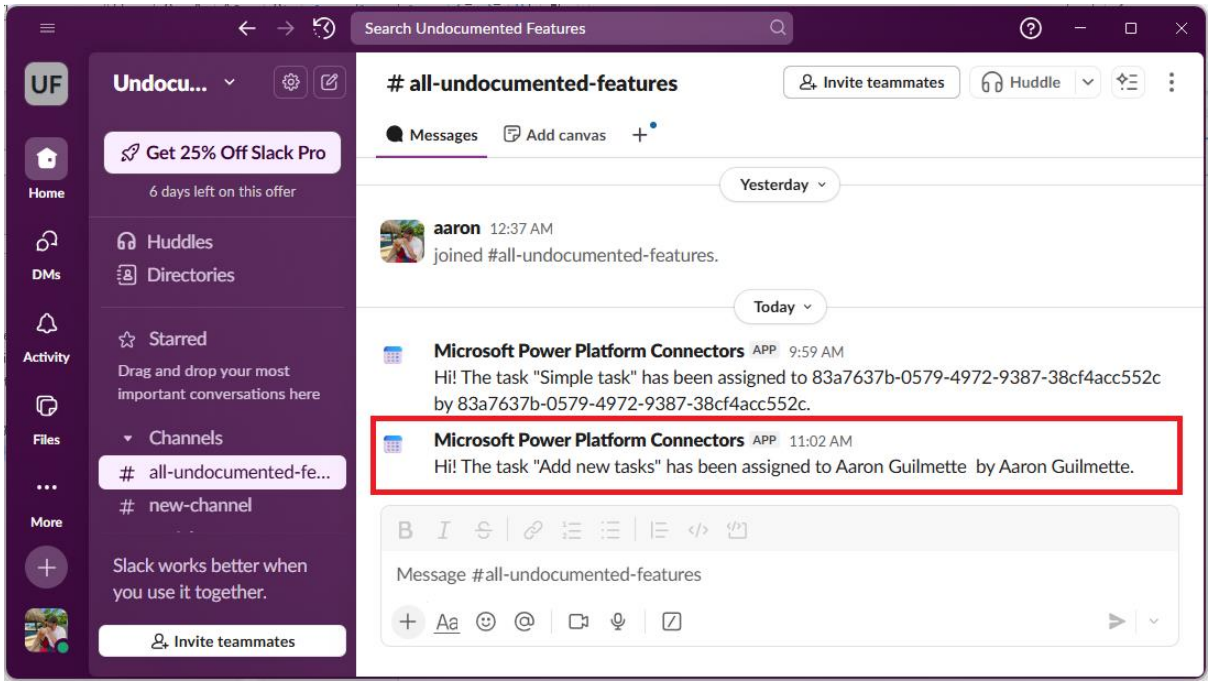

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Office 365 Ninja (default)
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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Compose - assignedTo
Parameters
Settings
Code view
About
Inputs *
userId
assignedTo
When a task is assigned to me
assignments Assigned To User Id
The id of the user to whom this task was assigned to.


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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Compose - assignedBy
Parameters
Settings
Code view
About
Inputs *
value/assignedB...
assigned by
When a task is assigned to me
assignments Assigned By User Id
The id of the user who assigned this task.

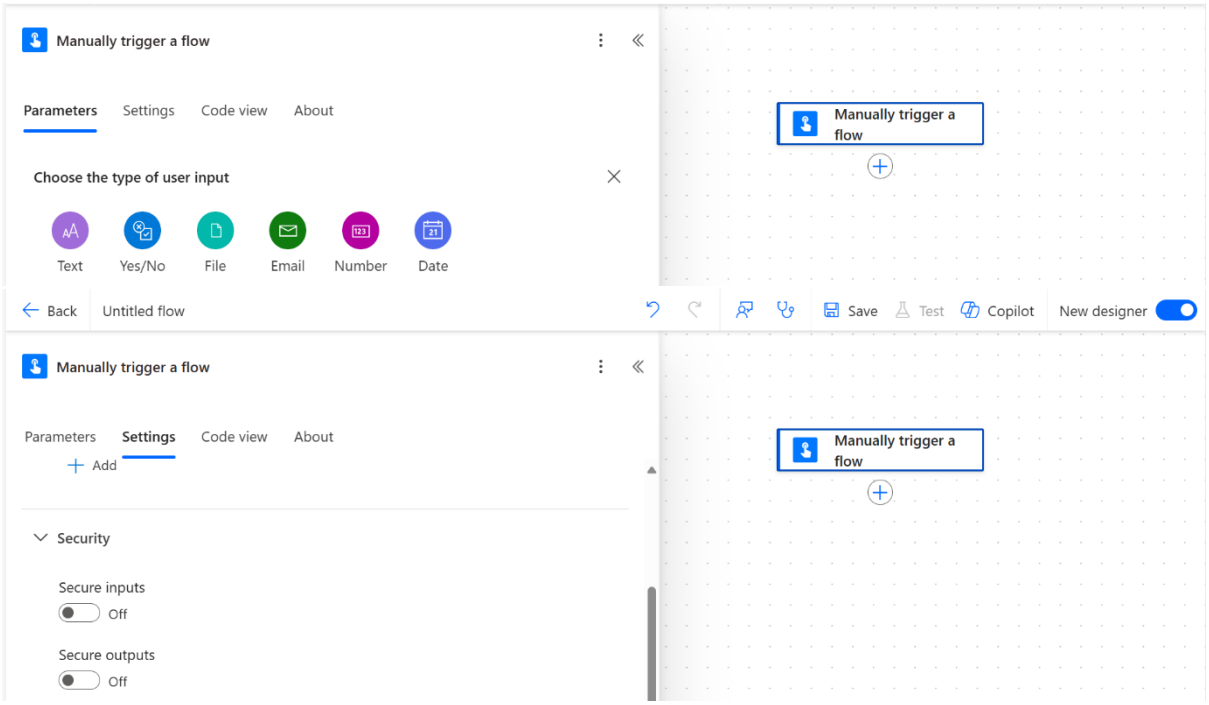

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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Add an action
Get profile
All
Built-in
Standard
Premium
Custom
Office 365 Users
See more
Get my profile (V2)
Get user profile (V2)
For each
Compose - assignedTo

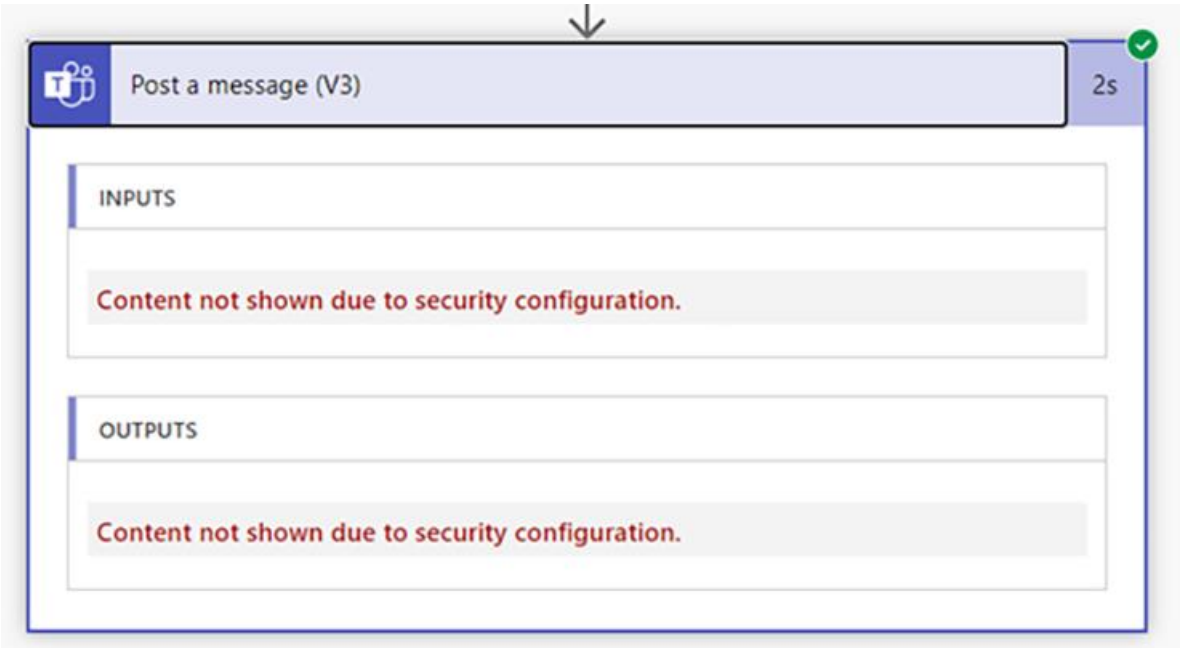

Power Automate
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Office 365 Ninja (default)
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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Get user profile (V2) - assignedTo
Parameters
Settings
Code view
Testing
About
User (UPN) *
Outputs
Compose - assignedBy
Get user profile (V2) - assignedTo

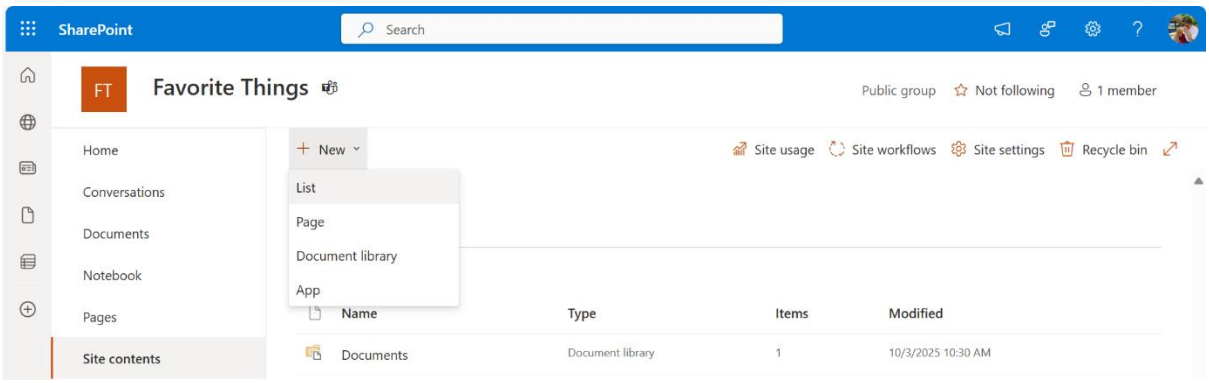

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Office 365 Ninja (default)
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Chapter 15 - Posting data to Slack
Save
Test
Copilot
New designer
Post message (V2)
Parameters
Settings
Code view
Testing
About
Channel Name *
all-undocumented-features
outputs('Get_user_profile_(V2)_-_assignedTo')?['body/displayName']
Message Text *
Hi! The task "
Title
" has been assigned to
Display Name
by
Display Name
Get user profile (V2) - assignedBy
Post message (V2)

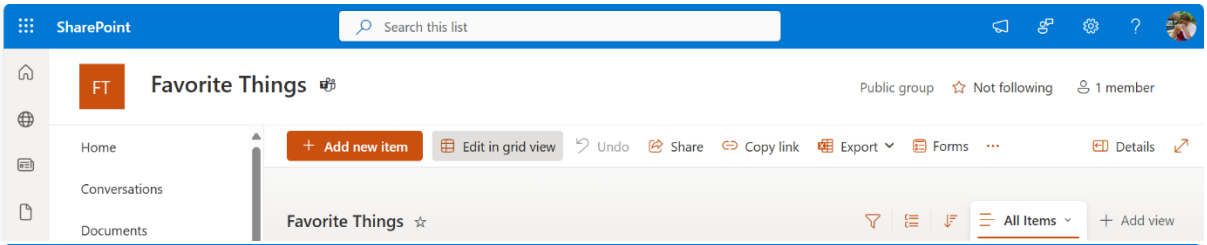

Search Undocumented Features
UF
Undocu...
Home
DMs
Activity
Files
More
Get 25% Off Slack Pro
6 days left on this offer
Huddles
Directories
Starred
Drag and drop your most important conversations here
Channels
all-undocumented-fe...
new-channel
Slack works better when you use it together.
Invite teammates
# all-undocumented-features
Invite teammates
Huddle
Messages
Add canvas
Yesterday
aaron 12:37 AM
joined #all-undocumented-features.
Today
Microsoft Power Platform Connectors APP 9:59 AM
Hi! The task "Simple task" has been assigned to 83a7637b-0579-4972-9387-38cf4acc552c by 83a7637b-0579-4972-9387-38cf4acc552c.
Microsoft Power Platform Connectors APP 11:02 AM
Hi! The task "Add new tasks" has been assigned to Aaron Guilmette by Aaron Guilmette.
Message #all-undocumented-features

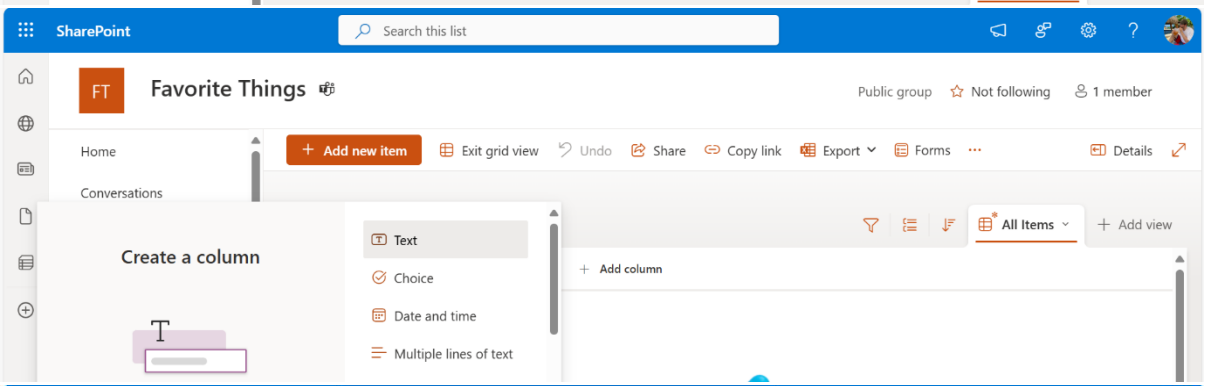
# Chapter 16: Accepting User Input

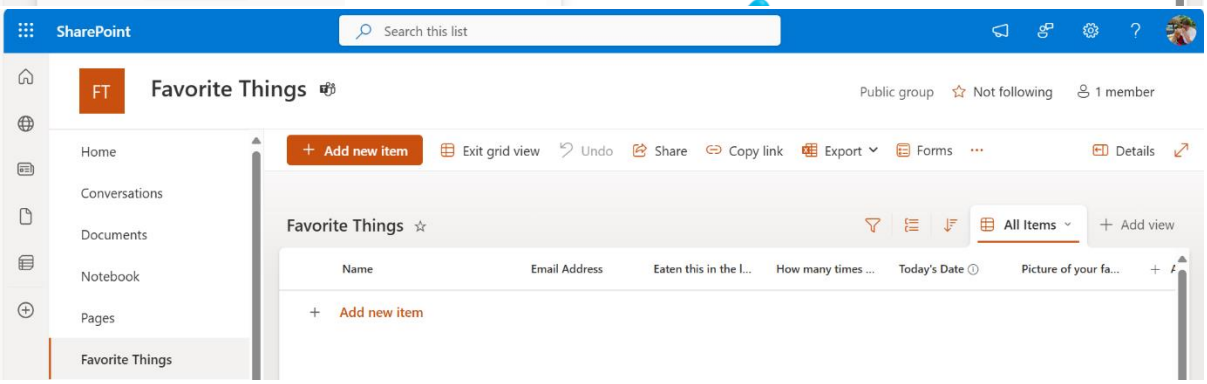


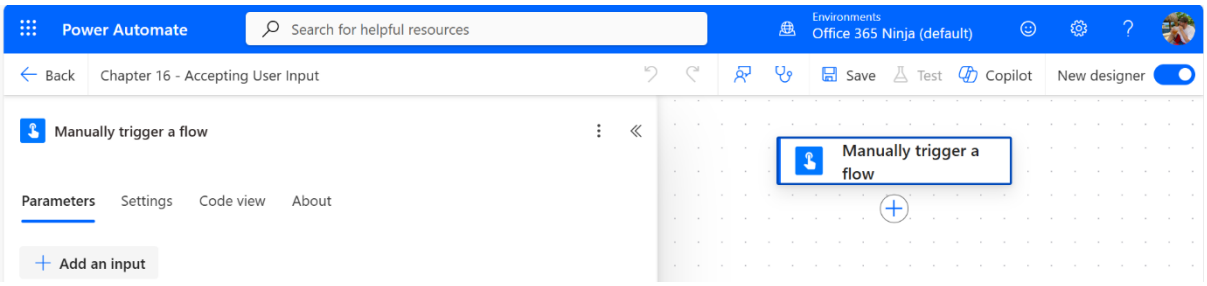



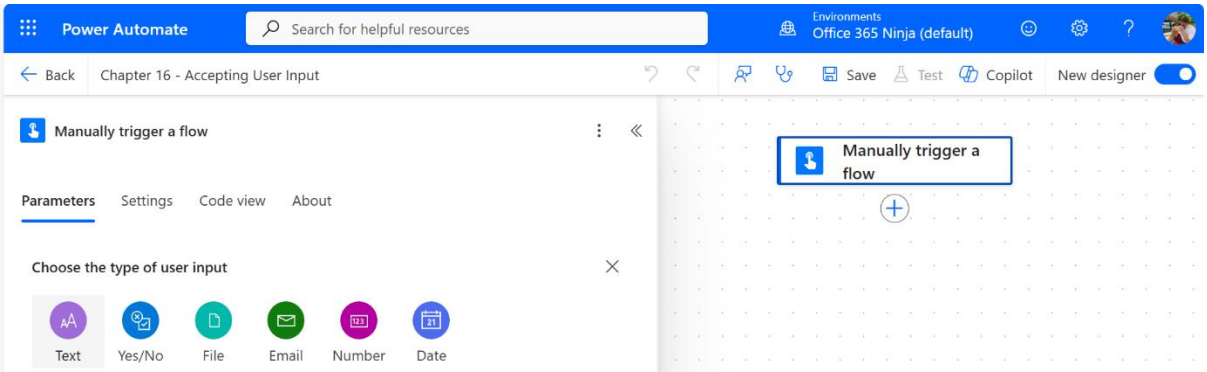



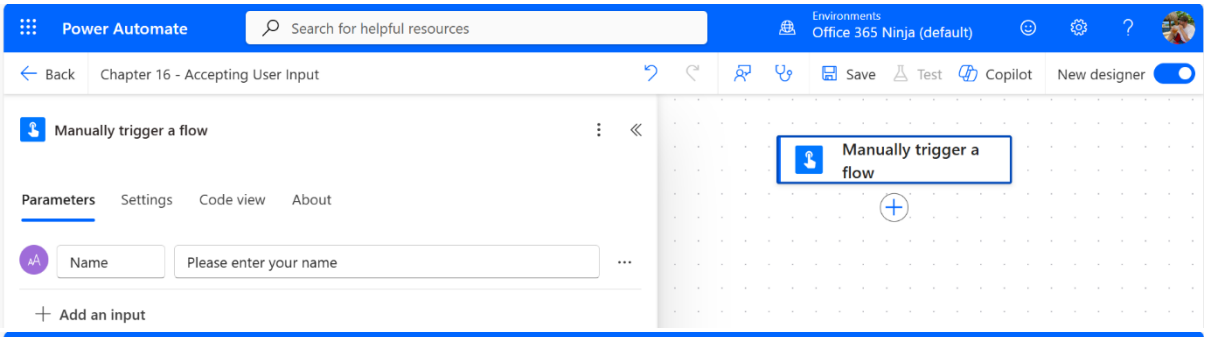

SharePoint
Search this list
FT
Favorite Things
Public group
Not following
1 member
Home
Conversations
Documents
Add new item
Edit in grid view
Undo
Share
Copy link
Export
Forms
Details
Favorite Things
All Items
Add view

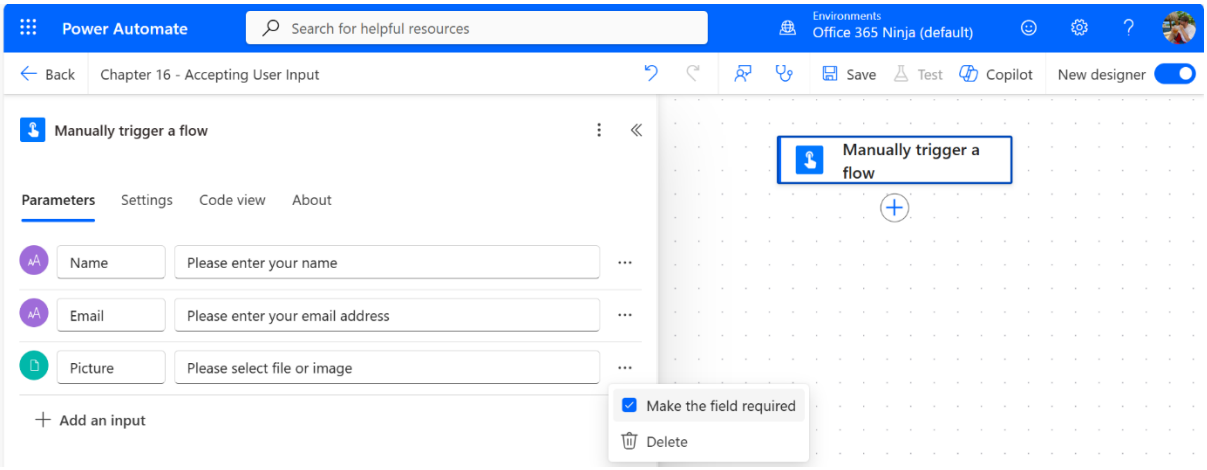

SharePoint
Search this list
FT
Favorite Things
Public group
Not following
1 member
Home
Conversations
Add new item
Exit grid view
Undo
Share
Copy link
Export
Forms
Details
Create a column
Text
Choice
Date and time
Multiple lines of text
All Items
Add view
Add column

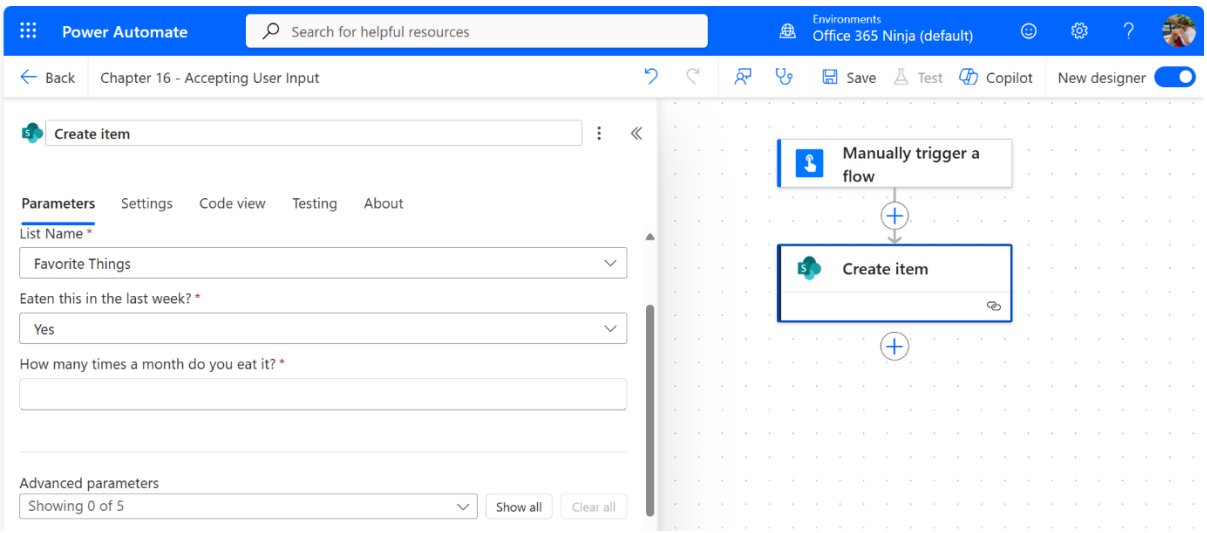

SharePoint
Search this list
FT
Favorite Things
Public group
Not following
1 member
Home
Conversations
Documents
Notebook
Pages
Favorite Things
Add new item
Exit grid view
Undo
Share
Copy link
Export
Forms
Details
Favorite Things
All Items
Add view
Name
Email Address
Eaten this in the l...
How many times ...
Today's Date
Picture of your fa...
Add new item

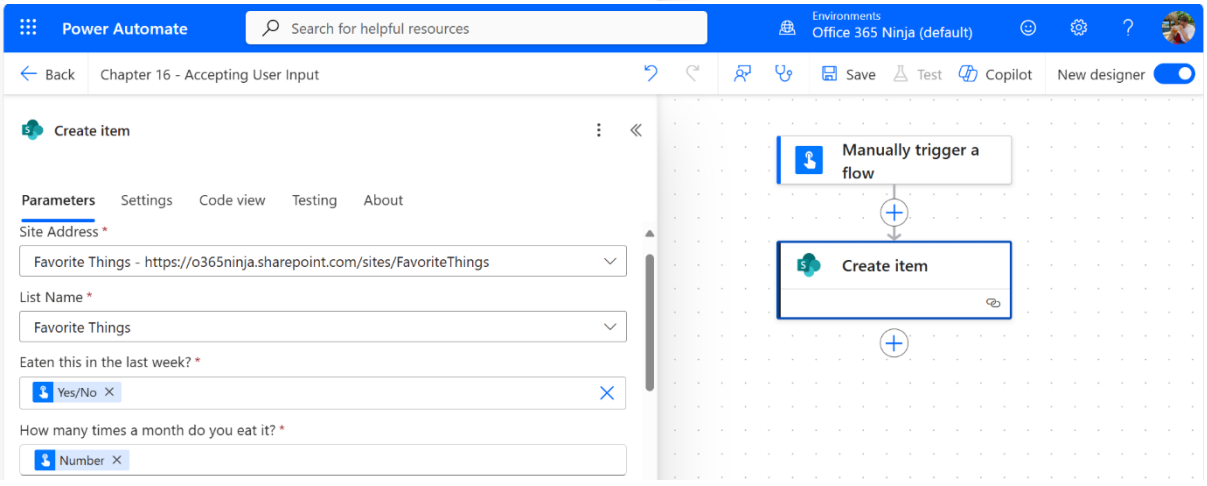

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Chapter 16 - Accepting User Input
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Add an input
Manually trigger a flow

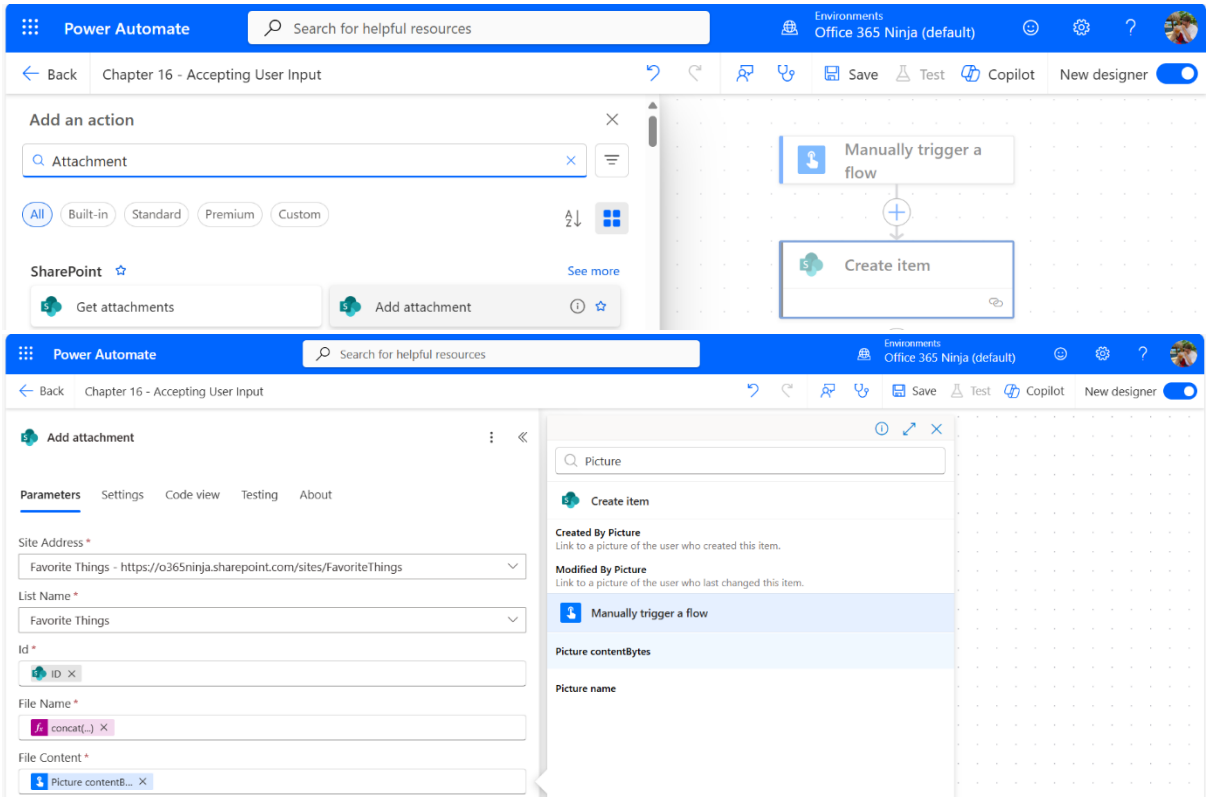

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Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Choose the type of user input
Text
Yes/No
File
Email
Number
Date
Manually trigger a flow

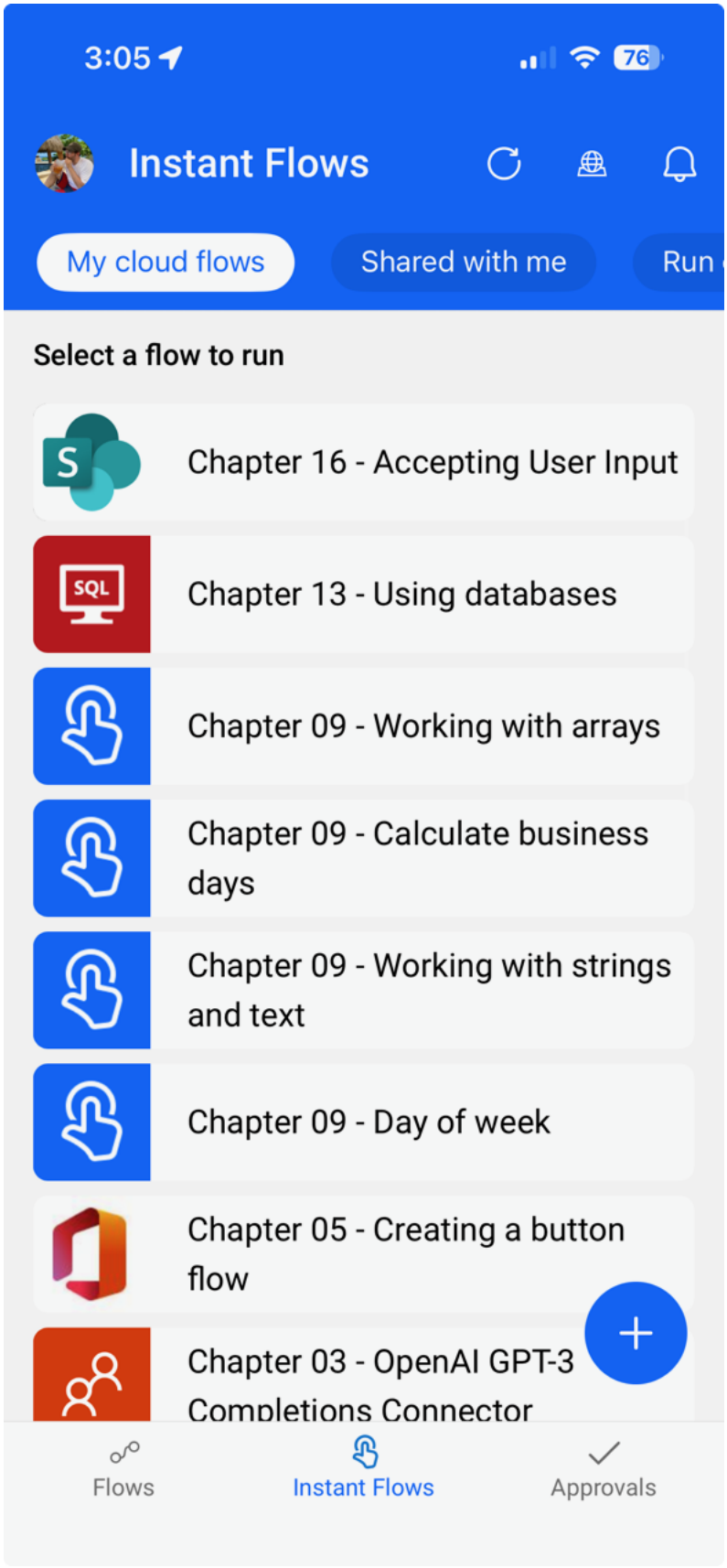

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Chapter 16 - Accepting User Input
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Name
Please enter your name
Add an input
Manually trigger a flow

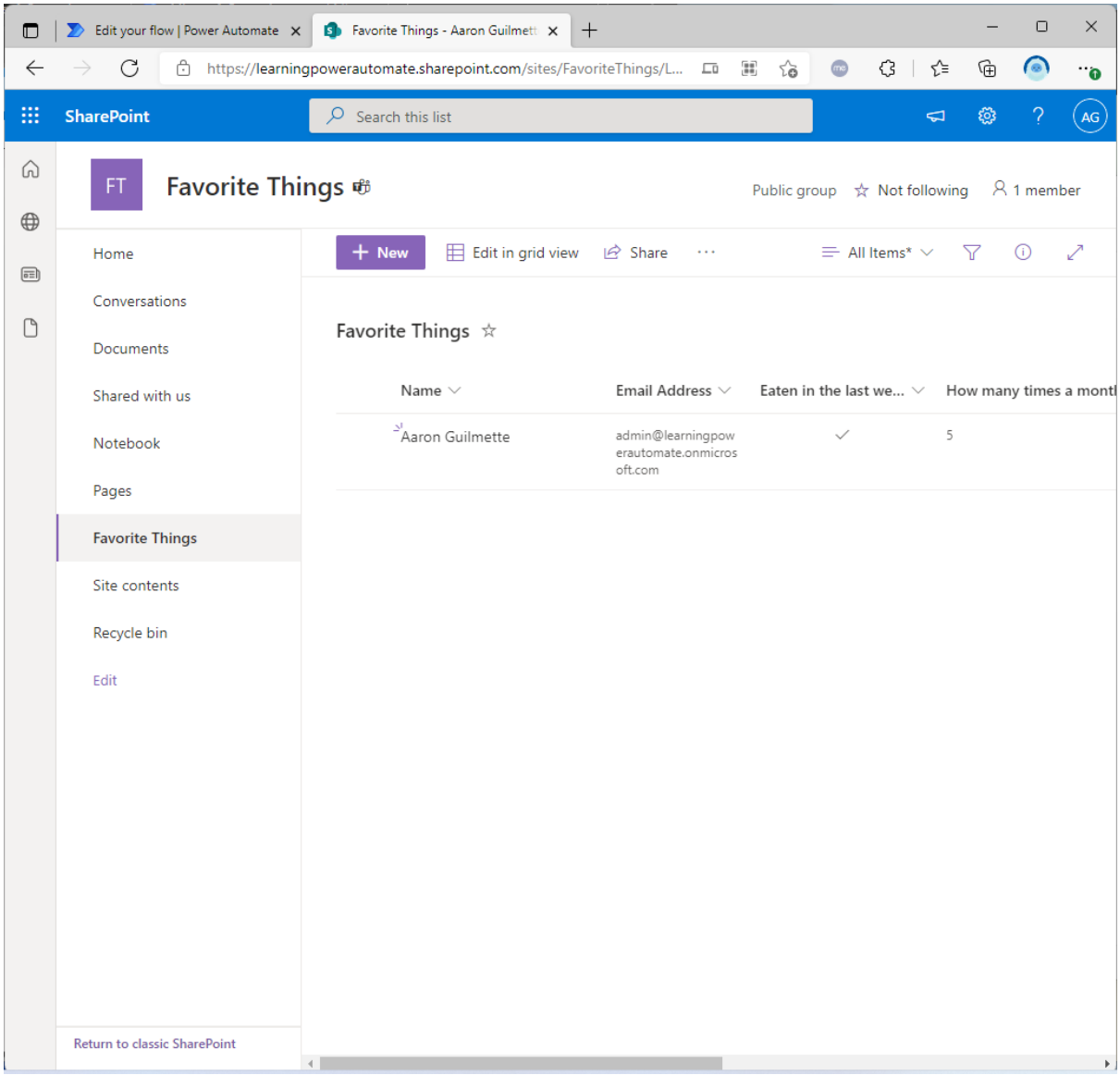

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Chapter 16 - Accepting User Input
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Name
Please enter your name
Email
Please enter your email address
Picture
Please select file or image
Add an input
Make the field required
Delete
Manually trigger a flow

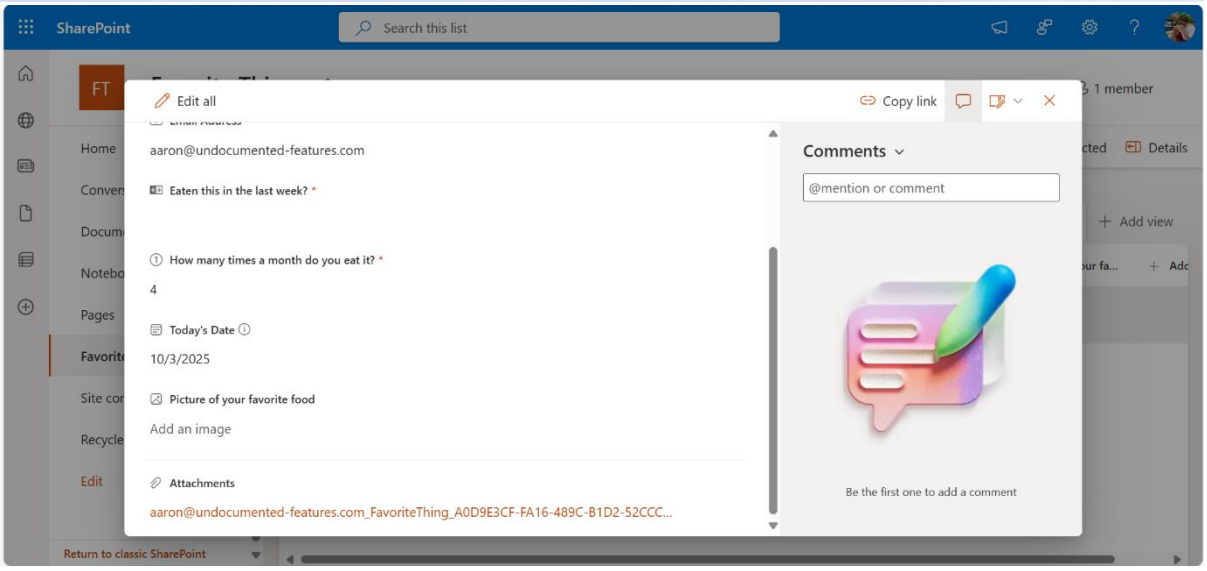

Power Automate
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Chapter 16 - Accepting User Input
Save
Test
Copilot
New designer
Create item
Parameters
Settings
Code view
Testing
About
List Name *
Favorite Things
Eaten this in the last week? *
Yes
How many times a month do you eat it? *
Advanced parameters
Showing 0 of 5
Show all
Clear all
Manually trigger a flow
Create item

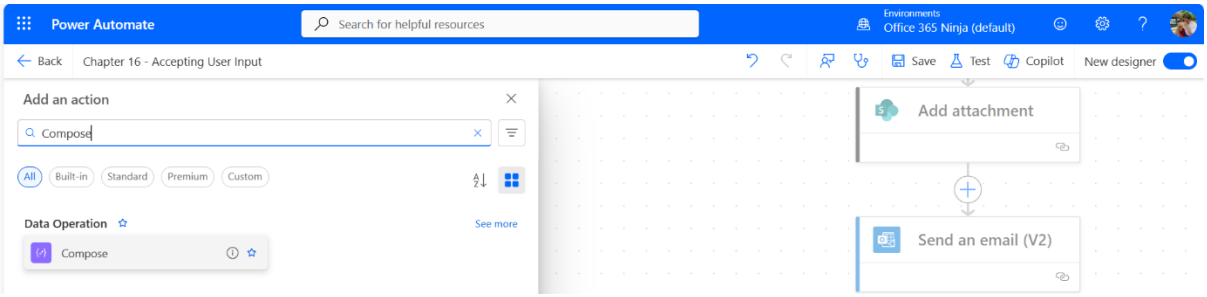

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Save
Test
Copilot
New designer
Create item
Parameters
Settings
Code view
Testing
About
Site Address *
Favorite Things - https://o365ninja.sharepoint.com/sites/FavoriteThings
List Name *
Favorite Things
Eaten this in the last week? *
Yes/No
How many times a month do you eat it? *
Number
Manually trigger a flow
Create item

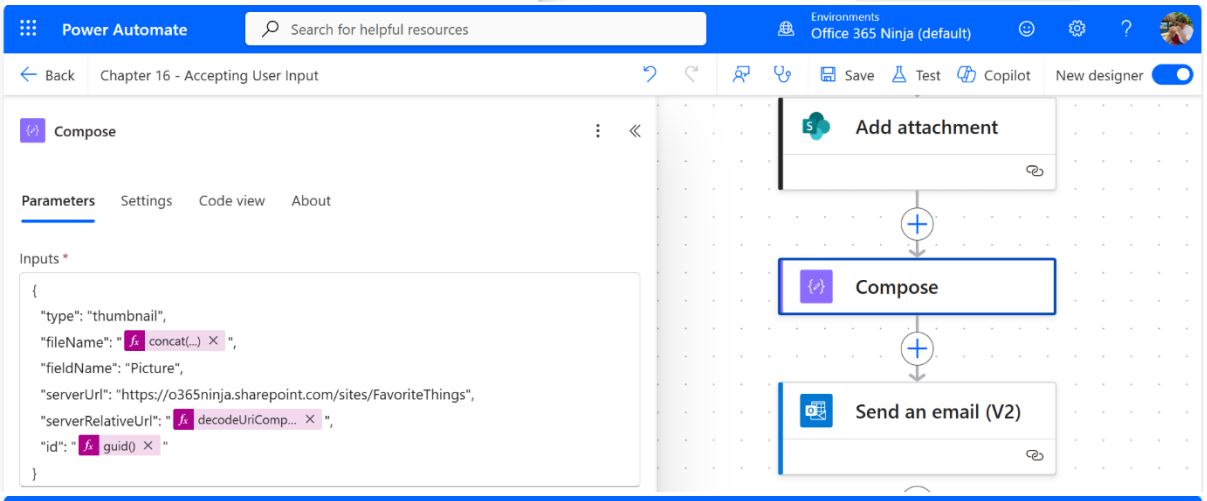

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Save
Test
Copilot
New designer
Add an action
Attachment
All
Built-in
Standard
Premium
Custom
SharePoint
See more
Get attachments
Add attachment
Manually trigger a flow
Create item
Power Automate
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Save
Test
Copilot
New designer
Add attachment
Parameters
Settings
Code view
Testing
About
Site Address *
Favorite Things - https://o365ninja.sharepoint.com/sites/FavoriteThings
List Name *
Favorite Things
Id *
ID
File Name *
concat(...)
File Content *
Picture contentB...
Picture
Create item
Created By Picture
Link to a picture of the user who created this item.
Modified By Picture
Link to a picture of the user who last changed this item.
Manually trigger a flow
Picture contentBytes
Picture name

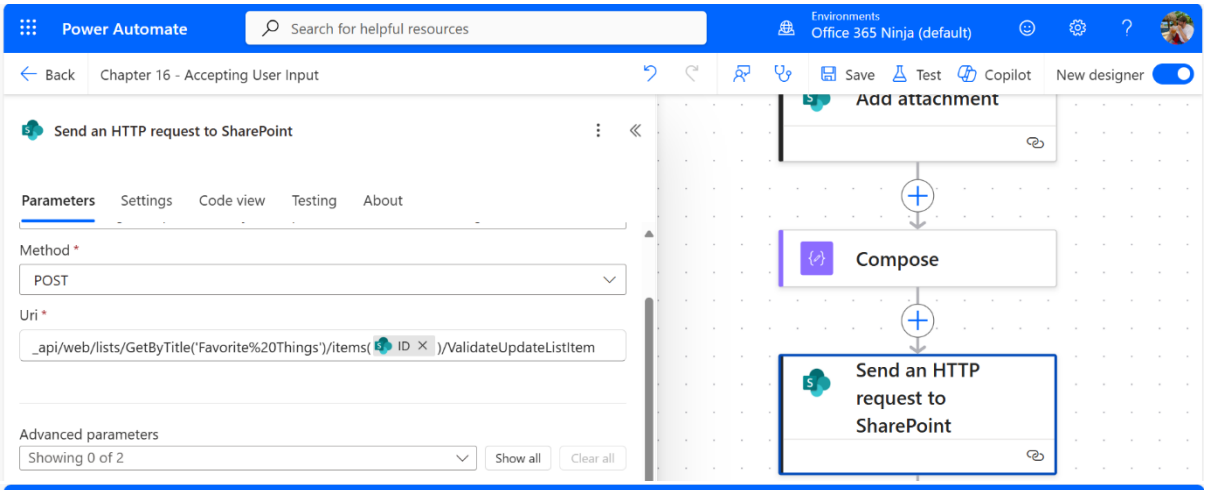

3:05
76
Instant Flows
My cloud flows
Shared with me
Run
Select a flow to run
Chapter 16 - Accepting User Input
Chapter 13 - Using databases
Chapter 09 - Working with arrays
Chapter 09 - Calculate business days
Chapter 09 - Working with strings and text
Chapter 09 - Day of week
Chapter 05 - Creating a button flow
Chapter 03 - OpenAI GPT-3 Completions Connector
Flows
Instant Flows
Approvals

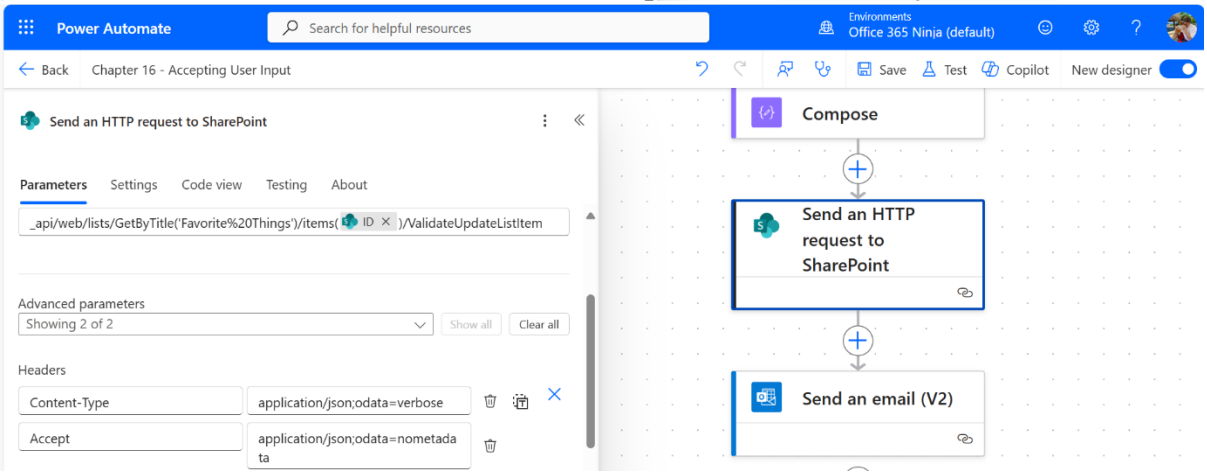

Edit your flow | Power Automate
Favorite Things - Aaron Guilmett
https://learningpowerautomate.sharepoint.com/sites/FavoriteThings/L...
SharePoint
Search this list
AG
FT
Favorite Things
Public group
Not following
1 member
Home
Conversations
Documents
Shared with us
Notebook
Pages
Favorite Things
Site contents
Recycle bin
Edit
Return to classic SharePoint
New
Edit in grid view
Share
All Items*
Favorite Things
Name
Email Address
Eaten in the last we...
How many times a month
Aaron Guilmette
admin@learningpowerautomate.onmicrosoft.com
5

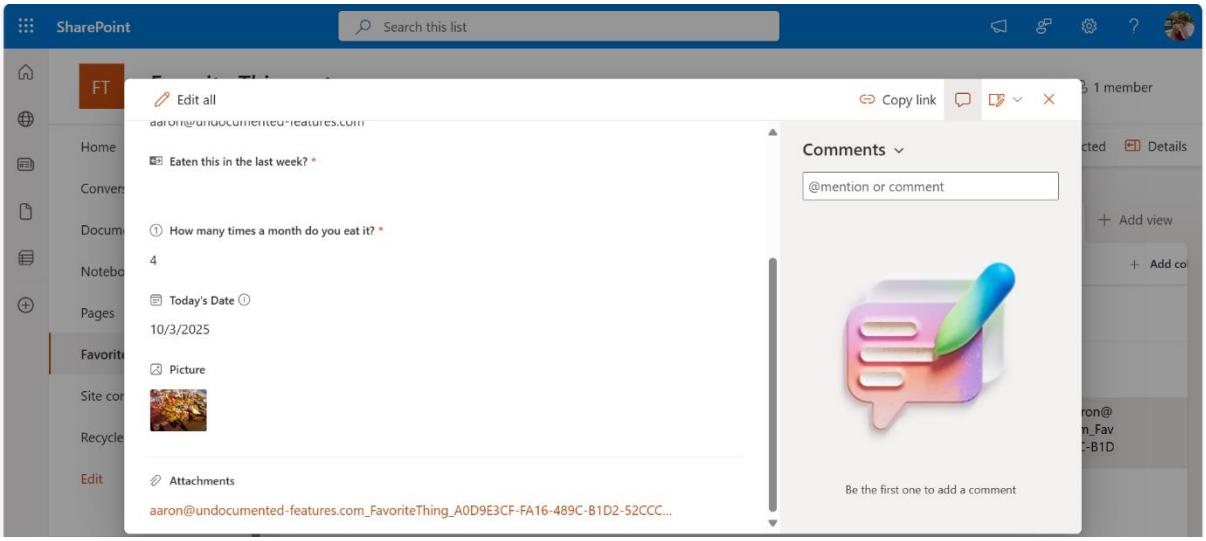

SharePoint
Search this list
Edit all
Copy link
aaron@undocumented-features.com
Eaten this in the last week? *
How many times a month do you eat it? *
4
Today's Date
10/3/2025
Picture of your favorite food
Add an image
Attachments
aaron@undocumented-features.com_FavoriteThing_A0D9E3CF-FA16-489C-B1D2-52CCC...
Comments
@mention or comment
Be the first one to add a comment


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Save
Test
Copilot
New designer
Add an action
Compose
All
Built-in
Standard
Premium
Custom
Data Operation
See more
Compose
Add attachment
Send an email (V2)

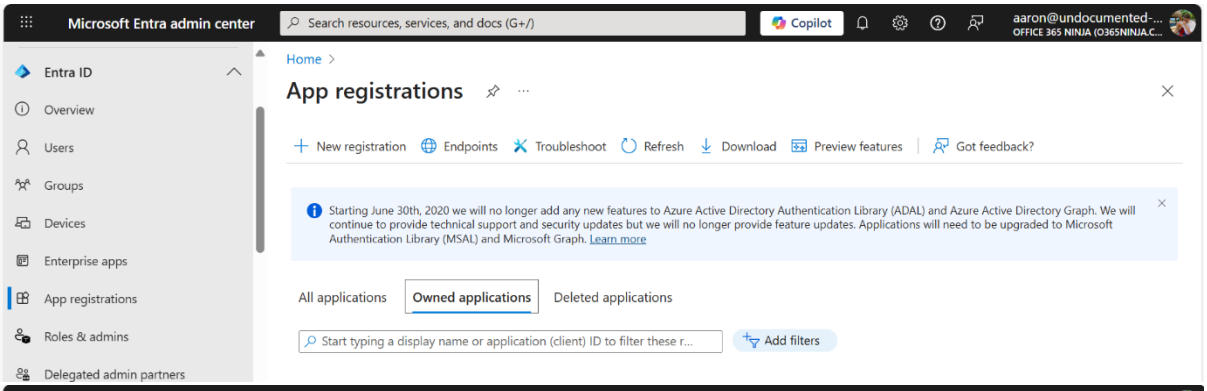

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Save
Test
Copilot
New designer
Compose
Parameters
Settings
Code view
About
Inputs *
{
"type": "thumbnail",
"fileName": " concat(...) ",
"fieldName": "Picture",
"serverUrl": "https://o365ninja.sharepoint.com/sites/FavoriteThings",
"serverRelativeUrl": " decodeUriComp... ",
"id": " guid() "
}
Add attachment
Compose
Send an email (V2)

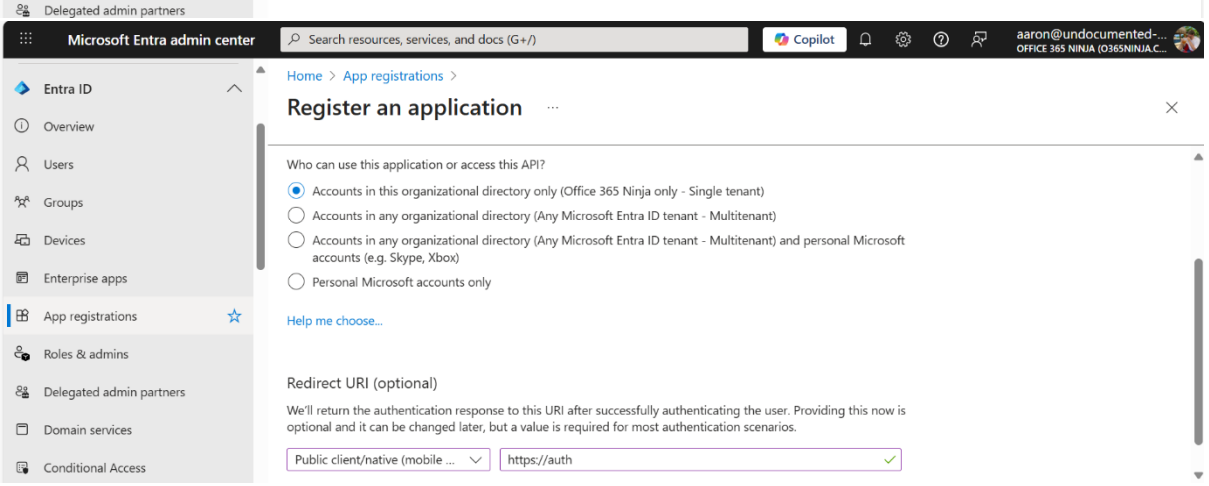

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Save
Test
Copilot
New designer
Send an HTTP request to SharePoint
Parameters
Settings
Code view
Testing
About
Method *
POST
Uri *
_api/web/lists/GetByTitle('Favorite%20Things')/items( ID )/ValidateUpdateListItem
Advanced parameters
Showing 0 of 2
Show all
Clear all
Add attachment
Compose
Send an HTTP request to SharePoint

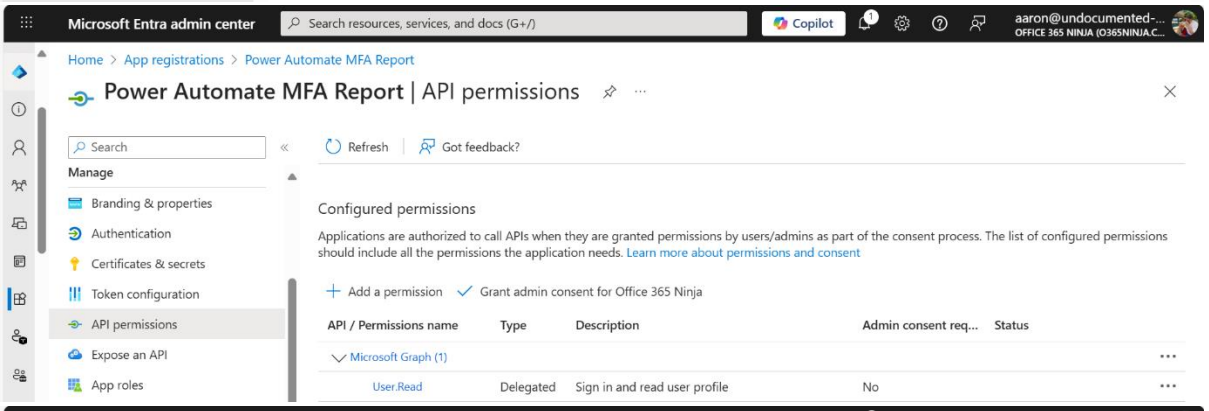

Power Automate
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Chapter 16 - Accepting User Input
Save
Test
Copilot
New designer
Send an HTTP request to SharePoint
Parameters
Settings
Code view
Testing
About
_api/web/lists/GetByTitle('Favorite%20Things')/items( ID )/ValidateUpdateListItem
Advanced parameters
Showing 2 of 2
Show all
Clear all
Headers
Content-Type
application/json;odata=verbose
Accept
application/json;odata=nometadata
Compose
Send an HTTP request to SharePoint
Send an email (V2)

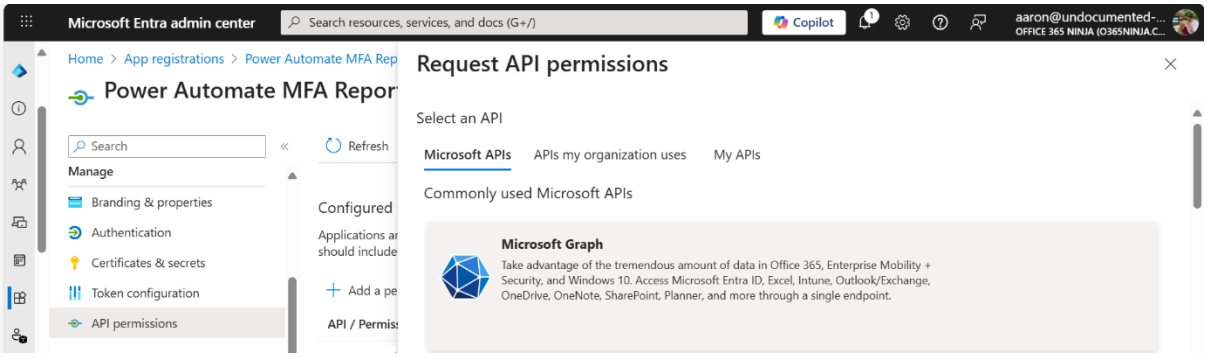

SharePoint
Search this list
FT
1 member
Home
Pages
Edit
Edit all
Copy link
Eaten this in the last week? *
How many times a month do you eat it? *
4
Today's Date
10/3/2025
Picture
Attachments
aaron@undocumented-features.com_FavoriteThing_A0D9E3CF-FA16-489C-B1D2-52CCC...
Comments
@mention or comment
Be the first one to add a comment
Details
Add view

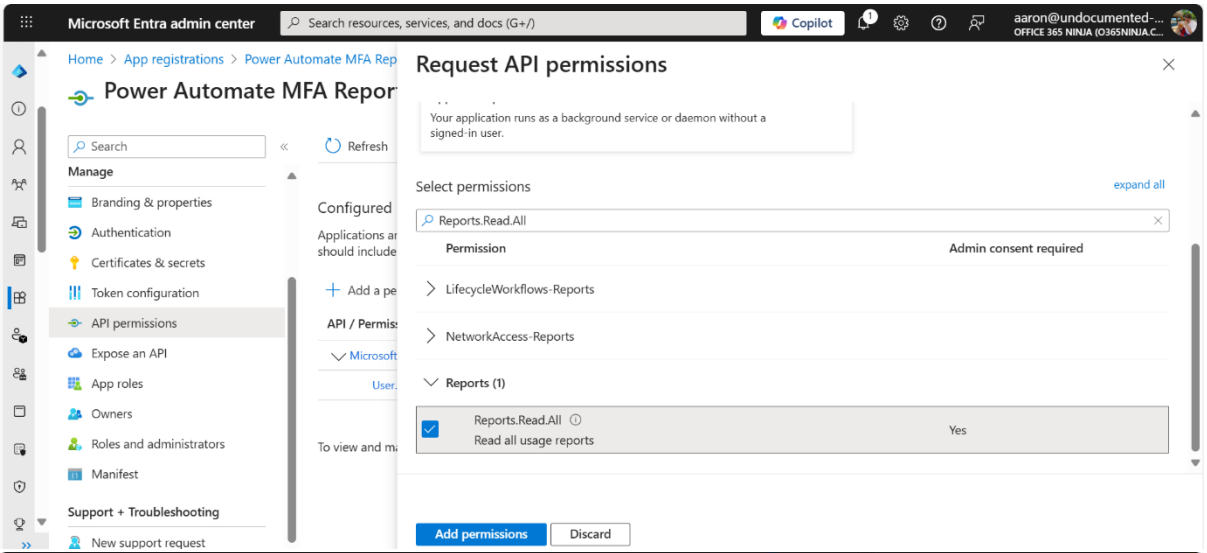
# Chapter 17: Automating Entra ID

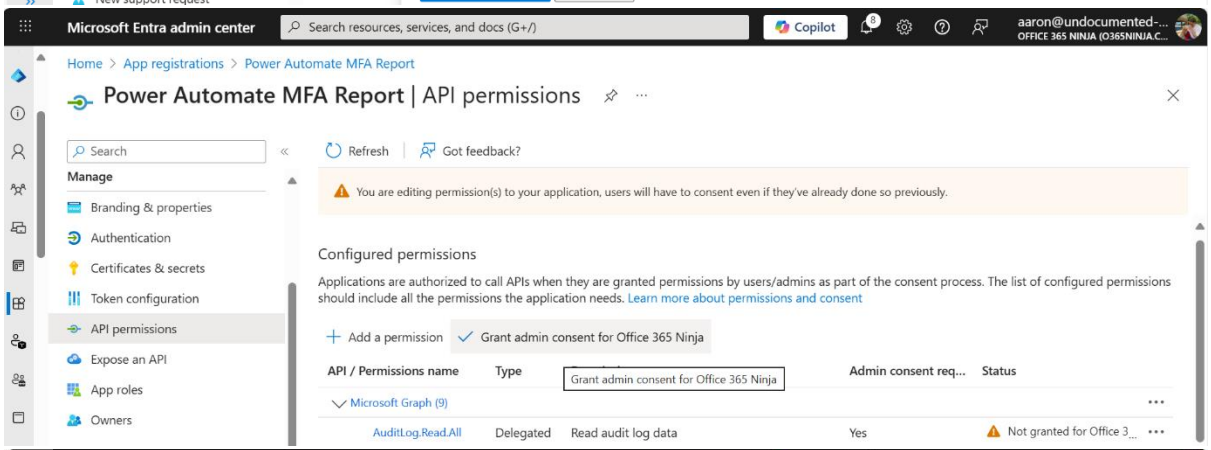


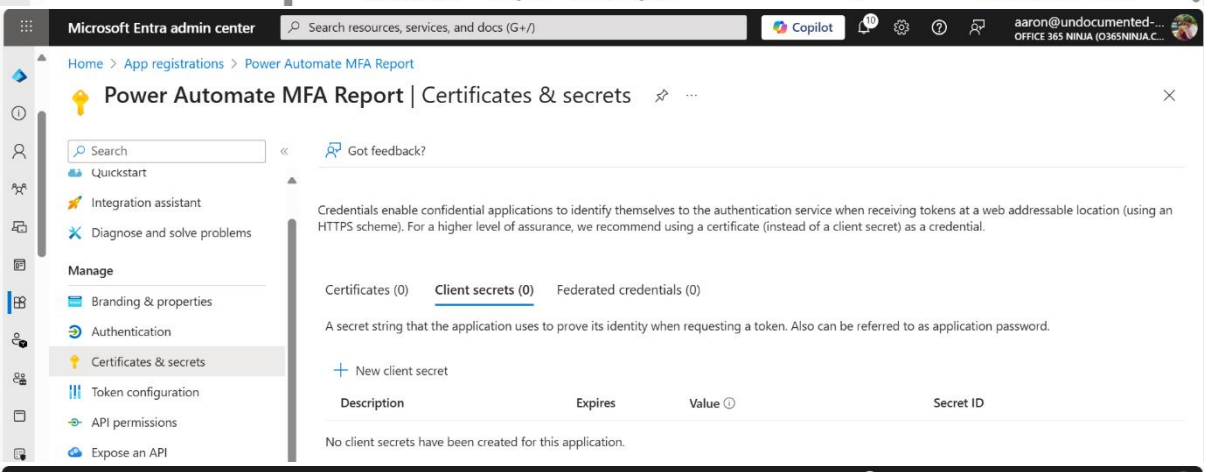



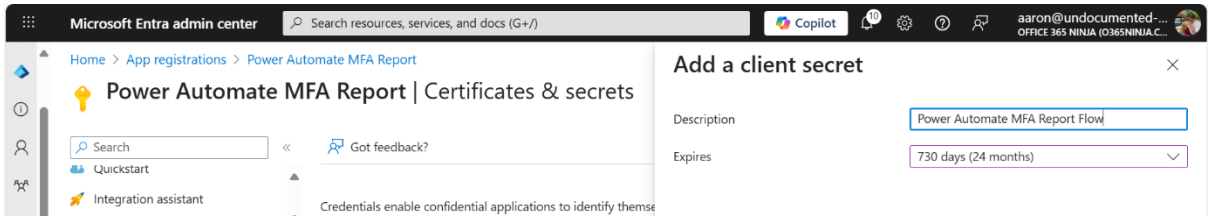



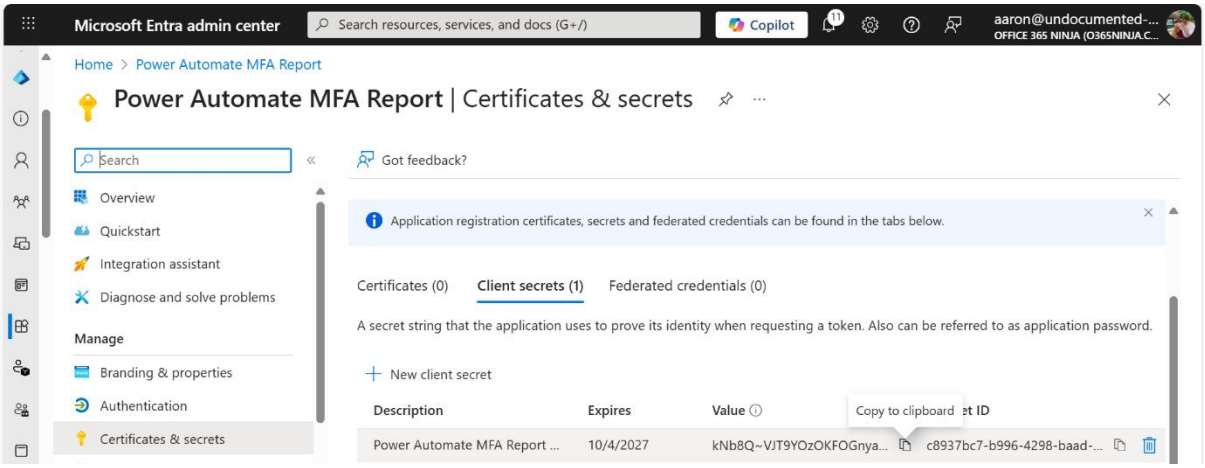



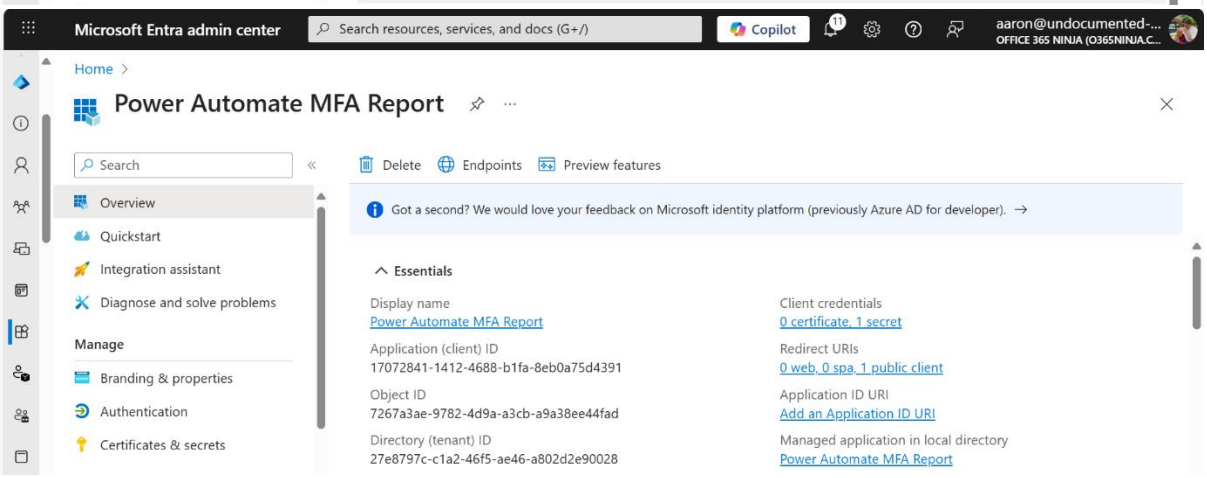

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Certificates & secrets
Token configuration
API permissions
Expose an API
App roles
Owners
Roles and administrators
Manifest
Support + Troubleshooting
New support request
Refresh
Configured
Add a pe
API / Permis
To view and ma
Request API permissions
Your application runs as a background service or daemon without a signed-in user.
Select permissions
expand all
Reports.Read.All
Permission
Admin consent required
LifecycleWorkflows-Reports
NetworkAccess-Reports
Reports (1)
Reports.Read.All
Read all usage reports
Yes
Add permissions
Discard

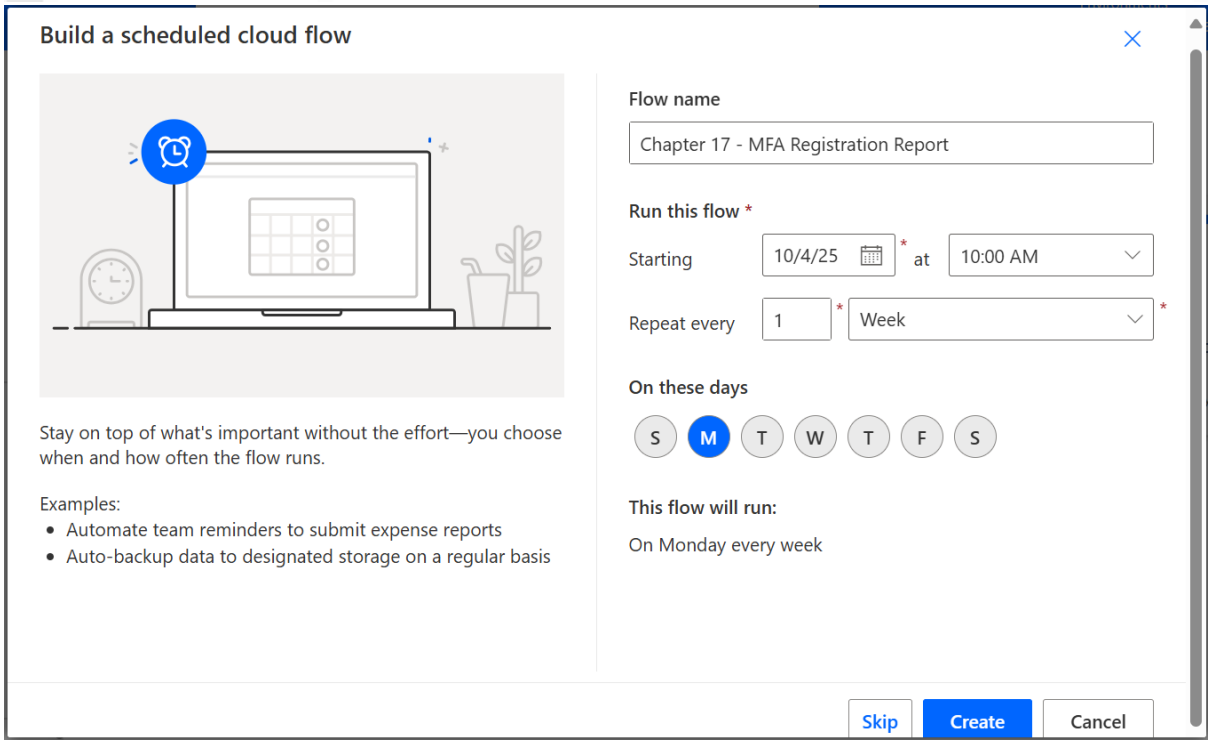

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Power Automate MFA Report | API permissions
Search
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Expose an API
App roles
Owners
Refresh
Got feedback?
You are editing permission(s) to your application, users will have to consent even if they've already done so previously.
Configured permissions
Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent
Add a permission
Grant admin consent for Office 365 Ninja
API / Permissions name
Type
Admin consent req...
Status
Microsoft Graph (9)
AuditLog.Read.All
Delegated
Read audit log data
Yes
Not granted for Office 3...

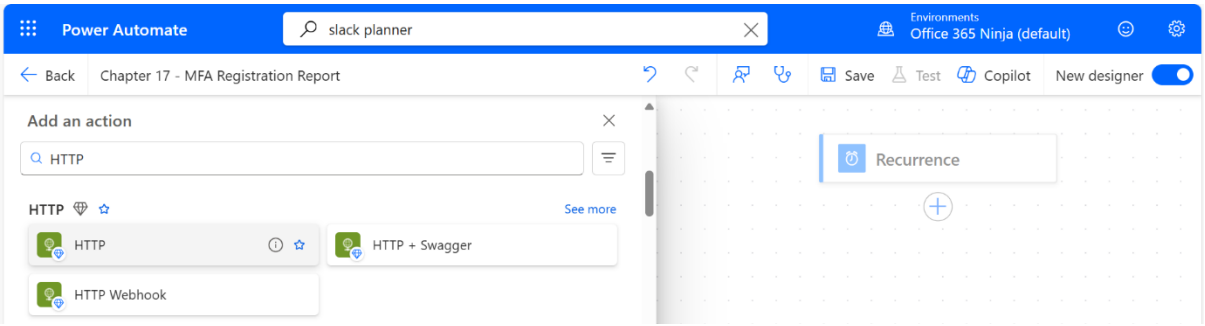

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Token configuration
API permissions
Expose an API
Got feedback?
Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.
Certificates (0)
Client secrets (0)
Federated credentials (0)
A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.
New client secret
Description
Expires
Value
Secret ID
No client secrets have been created for this application.

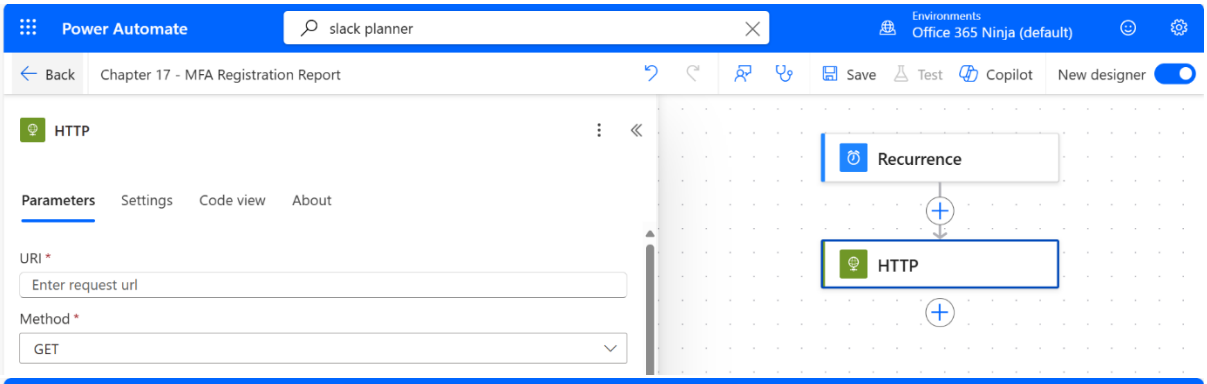

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Search
Quickstart
Integration assistant
Got feedback?
Credentials enable confidential applications to identify themse
Add a client secret
Description
Power Automate MFA Report Flow
Expires
730 days (24 months)

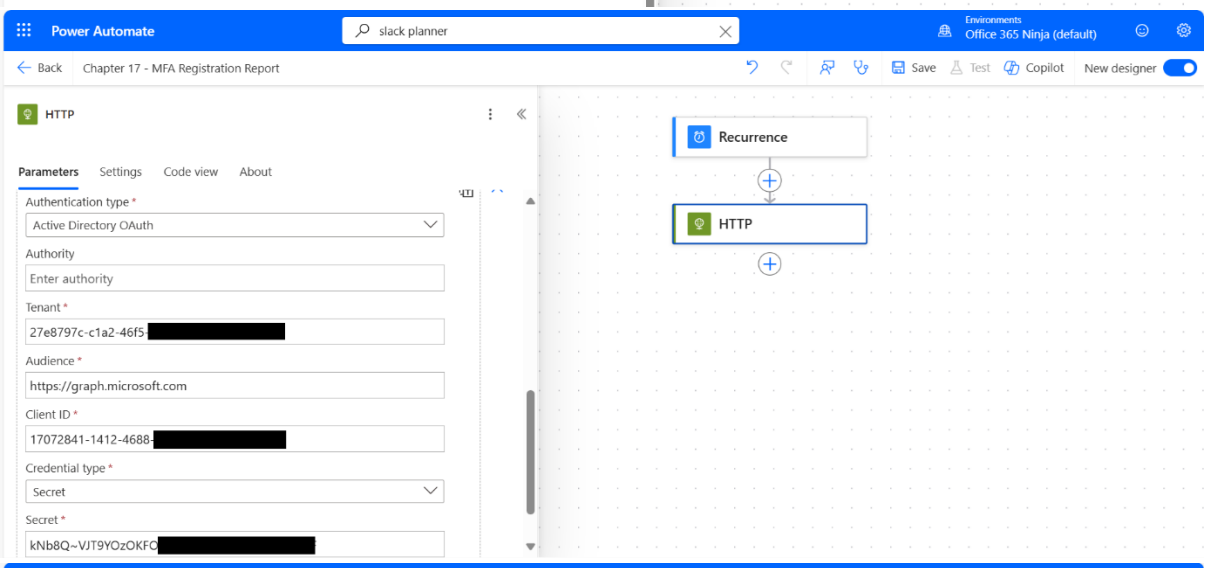

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Power Automate MFA Report | Certificates & secrets
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Got feedback?
Overview
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Manage
Branding & properties
Authentication
Certificates & secrets
Application registration certificates, secrets and federated credentials can be found in the tabs below.
Certificates (0)
Client secrets (1)
Federated credentials (0)
A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.
New client secret
Description
Expires
Value
Copy to clipboard
Power Automate MFA Report ...
10/4/2027
kNb8Q~VJT9YOzOKFOGnya...
c8937bc7-b996-4298-baad-...

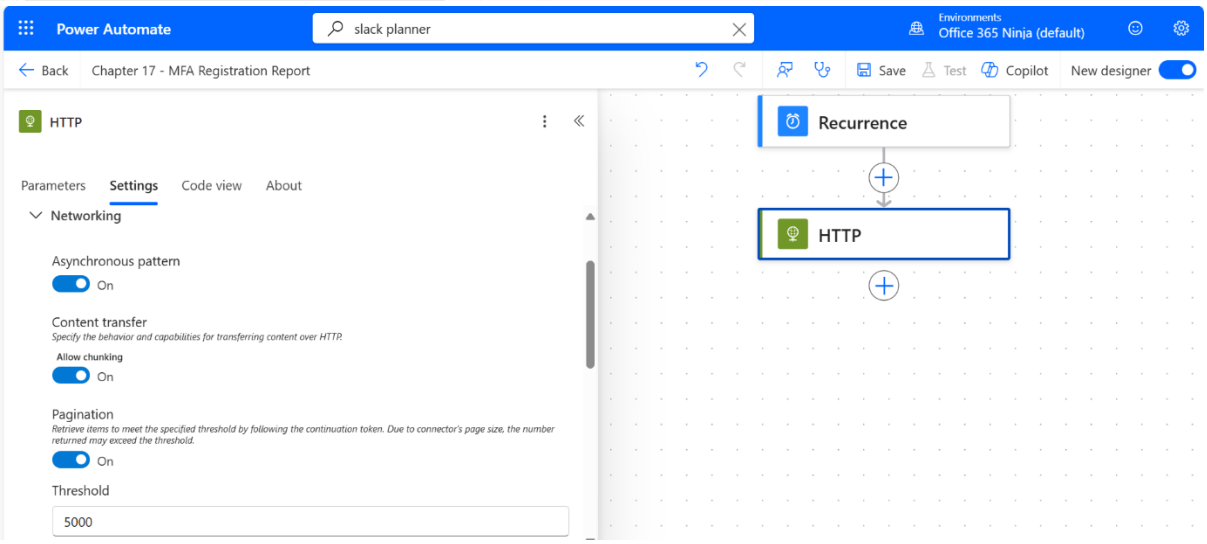

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Delete
Endpoints
Preview features
Overview
Quickstart
Integration assistant
Diagnose and solve problems
Manage
Branding & properties
Authentication
Certificates & secrets
Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer).
Essentials
Display name
Power Automate MFA Report
Application (client) ID
17072841-1412-4688-b1fa-8eb0a75d4391
Object ID
7267a3ae-9782-4d9a-a3cb-a9a38ee44fad
Directory (tenant) ID
27e8797c-c1a2-46f5-ae46-a802d2e90028
Client credentials
0 certificate, 1 secret
Redirect URIs
0 web, 0 spa, 1 public client
Application ID URI
Add an Application ID URI
Managed application in local directory
Power Automate MFA Report

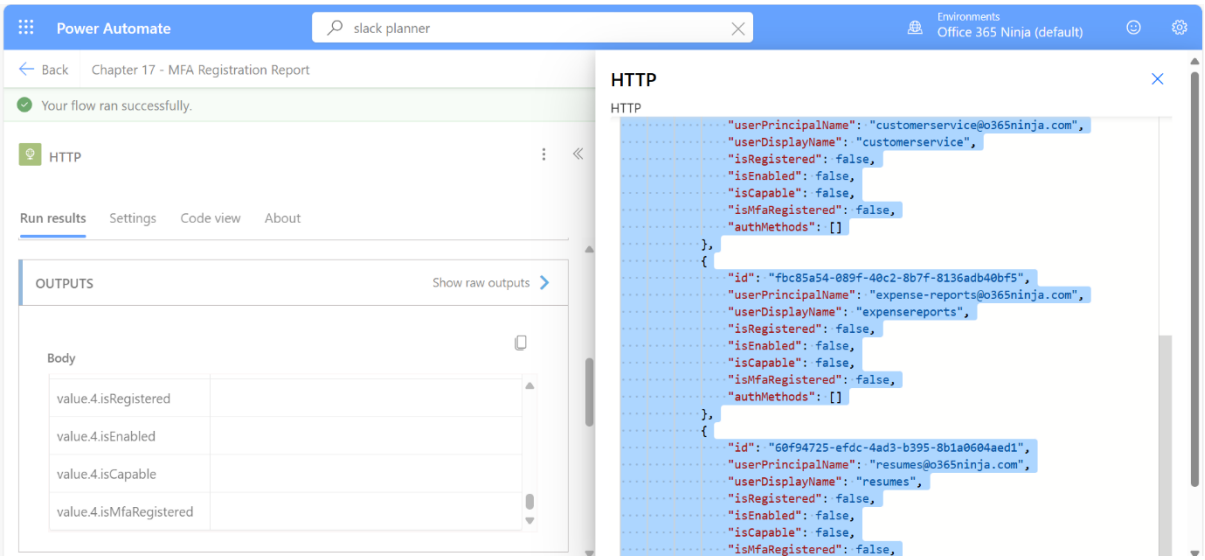

Build a scheduled cloud flow
Stay on top of what's important without the effort—you choose when and how often the flow runs.
Examples:
Automate team reminders to submit expense reports
Auto-backup data to designated storage on a regular basis
Flow name
Chapter 17 - MFA Registration Report
Run this flow *
Starting
10/4/25
at
10:00 AM
Repeat every
1
Week
On these days
S
M
T
W
T
F
S
This flow will run:
On Monday every week
Skip
Create
Cancel

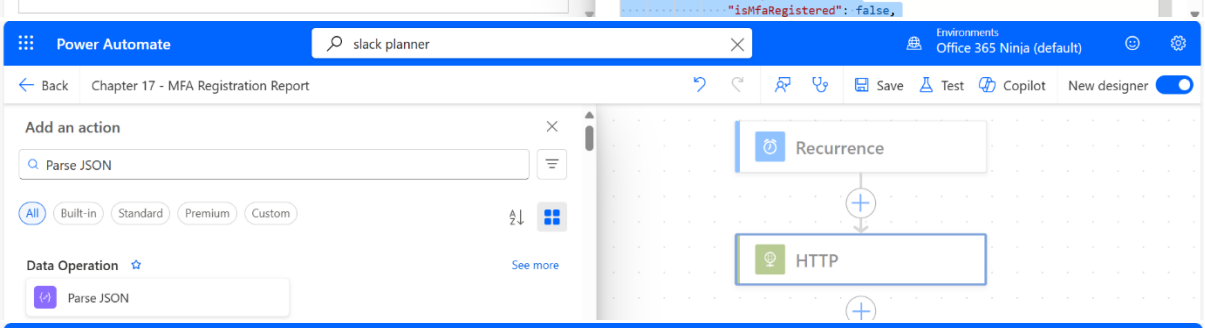

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Save
Test
Copilot
New designer
Add an action
HTTP
See more
HTTP
HTTP + Swagger
HTTP Webhook
Recurrence

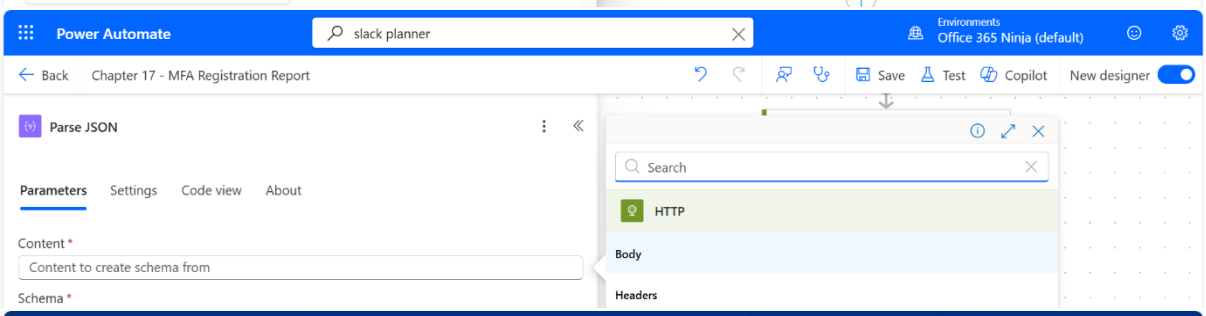

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Save
Test
Copilot
New designer
HTTP
Parameters
Settings
Code view
About
URI *
Enter request url
Method *
GET
Recurrence
HTTP

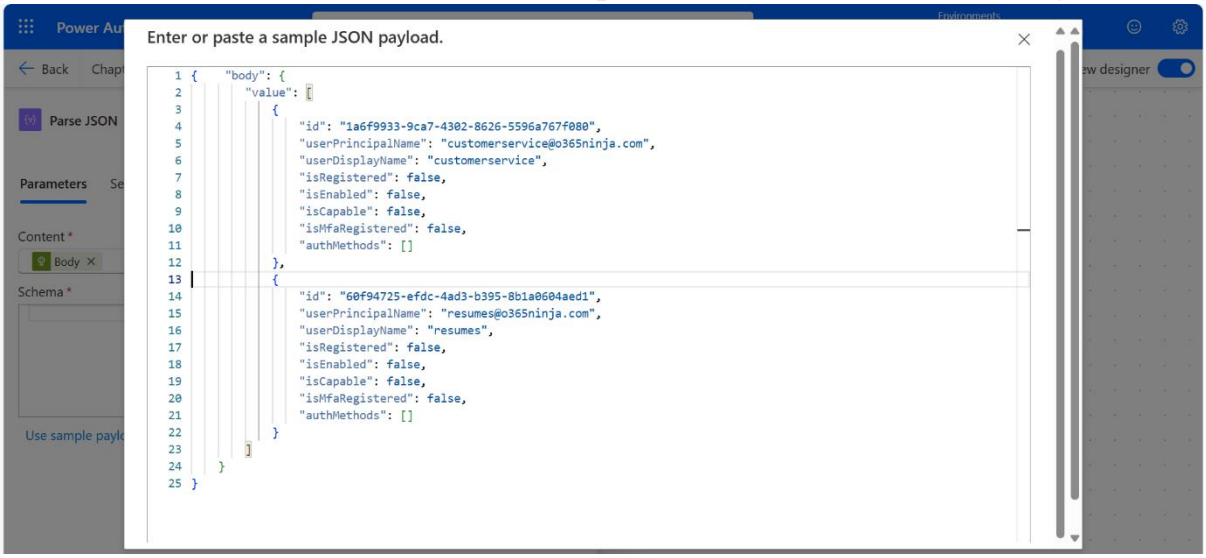

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Save
Test
Copilot
New designer
HTTP
Parameters
Settings
Code view
About
Authentication type *
Active Directory OAuth
Authority
Enter authority
Tenant *
27e8797c-c1a2-46f5-
Audience *
https://graph.microsoft.com
Client ID *
17072841-1412-4688-
Credential type *
Secret
Secret *
kNb8Q~VJT9YOzOKFO
Recurrence
HTTP

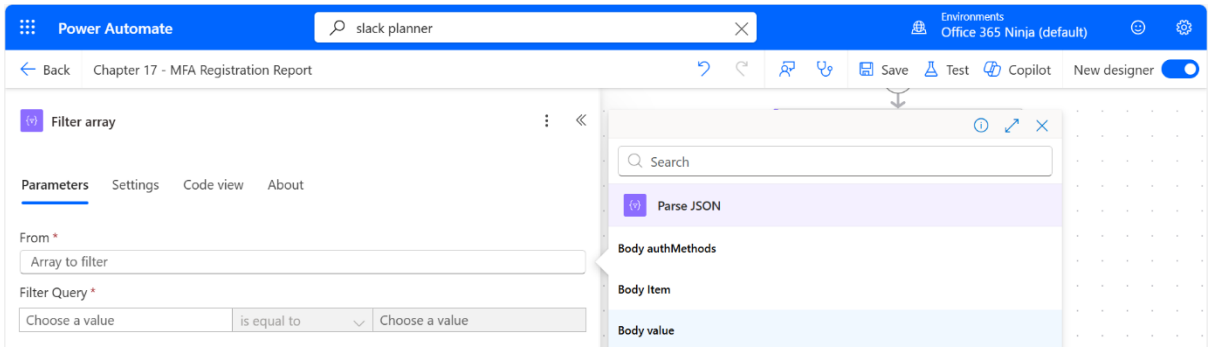

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Save
Test
Copilot
New designer
HTTP
Parameters
Settings
Code view
About
Networking
Asynchronous pattern
On
Content transfer
Specify the behavior and capabilities for transferring content over HTTP.
Allow chunking
On
Pagination
Retrieve items to meet the specified threshold by following the continuation token. Due to connector's page size, the number returned may exceed the threshold.
On
Threshold
5000
Recurrence
HTTP

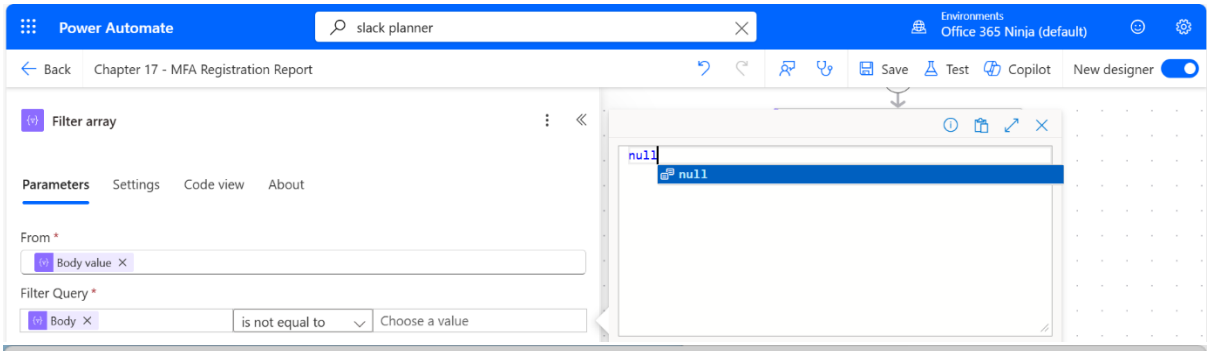

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Chapter 17 - MFA Registration Report
Your flow ran successfully.
HTTP
Run results
Settings
Code view
About
OUTPUTS
Show raw outputs
Body
value.4.isRegistered
value.4.isEnabled
value.4.isCapable
value.4.isMfaRegistered
HTTP
HTTP
"userPrincipalName": "customerservice@o365ninja.com",
"userDisplayName": "customerservice",
"isRegistered": false,
"isEnabled": false,
"isCapable": false,
"isMfaRegistered": false,
"authMethods": []
"id": "fbc85a54-089f-40c2-8b7f-8136adb40bf5",
"userPrincipalName": "expense-reports@o365ninja.com",
"userDisplayName": "expensereports",
"isRegistered": false,
"isEnabled": false,
"isCapable": false,
"isMfaRegistered": false,
"authMethods": []
"id": "60f94725-efdc-4ad3-b395-8b1a0604aed1",
"userPrincipalName": "resumes@o365ninja.com",
"userDisplayName": "resumes",
"isRegistered": false,
"isEnabled": false,
"isCapable": false,
"isMfaRegistered": false,

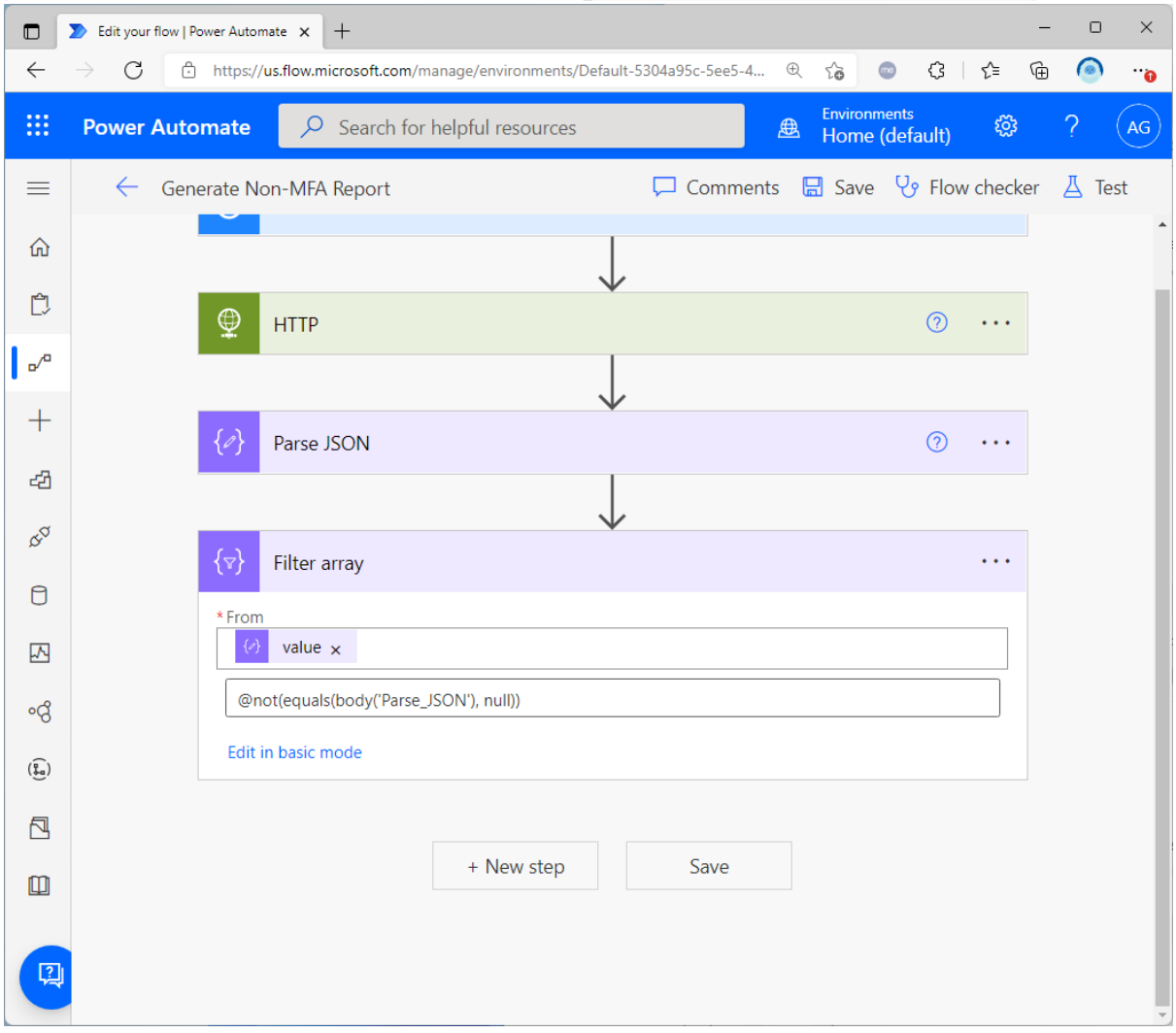

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Save
Test
Copilot
New designer
Add an action
Parse JSON
All
Built-in
Standard
Premium
Custom
Data Operation
See more
Parse JSON
Recurrence
HTTP

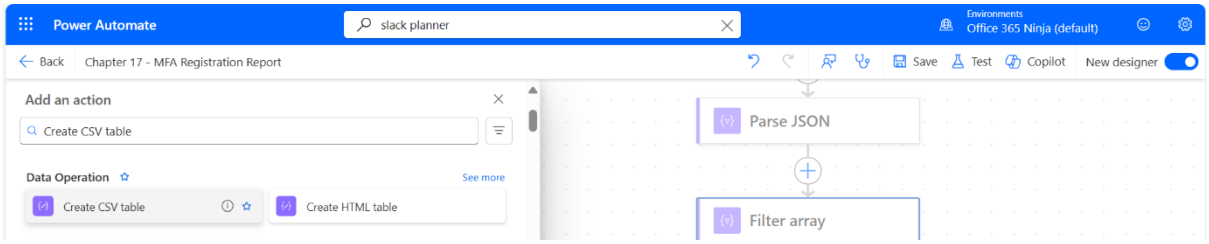

Power Automate
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Save
Test
Copilot
New designer
Parse JSON
Parameters
Settings
Code view
About
Content *
Content to create schema from
Schema *
Search
HTTP
Body
Headers

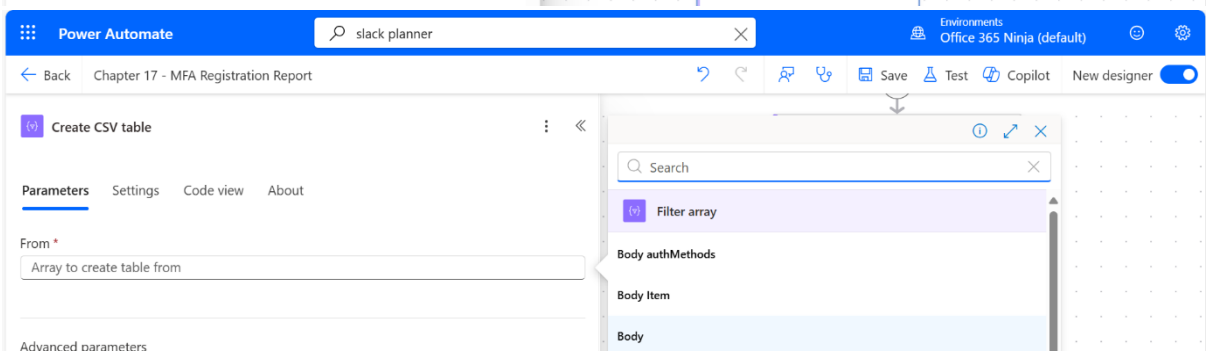

Enter or paste a sample JSON payload.
{ "body": { "value": [ { "id": "1a6f9933-9ca7-4302-8626-5596a767f080", "userPrincipalName": "customerservice@o365ninja.com", "userDisplayName": "customerservice", "isRegistered": false, "isEnabled": false, "isCapable": false, "isMfaRegistered": false, "authMethods": [] }, { "id": "60f94725-efdc-4ad3-b395-8b1a0604aed1", "userPrincipalName": "resumes@o365ninja.com", "userDisplayName": "resumes", "isRegistered": false, "isEnabled": false, "isCapable": false, "isMfaRegistered": false, "authMethods": [] } ] } }

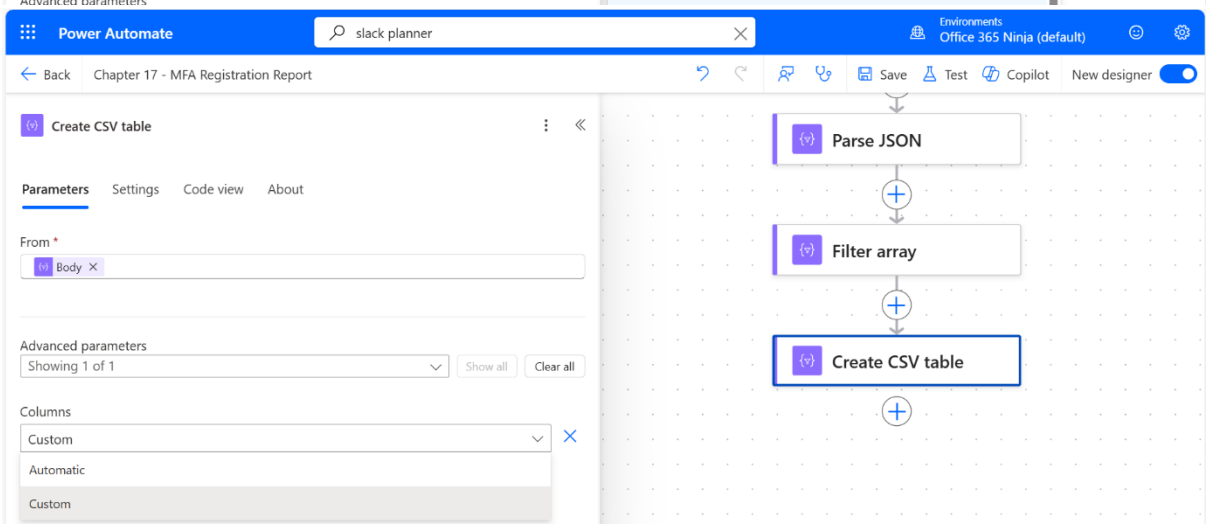

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Filter array
Parameters
Settings
Code view
About
From *
Array to filter
Filter Query *
Choose a value
is equal to
Choose a value
Search
Parse JSON
Body authMethods
Body Item
Body value

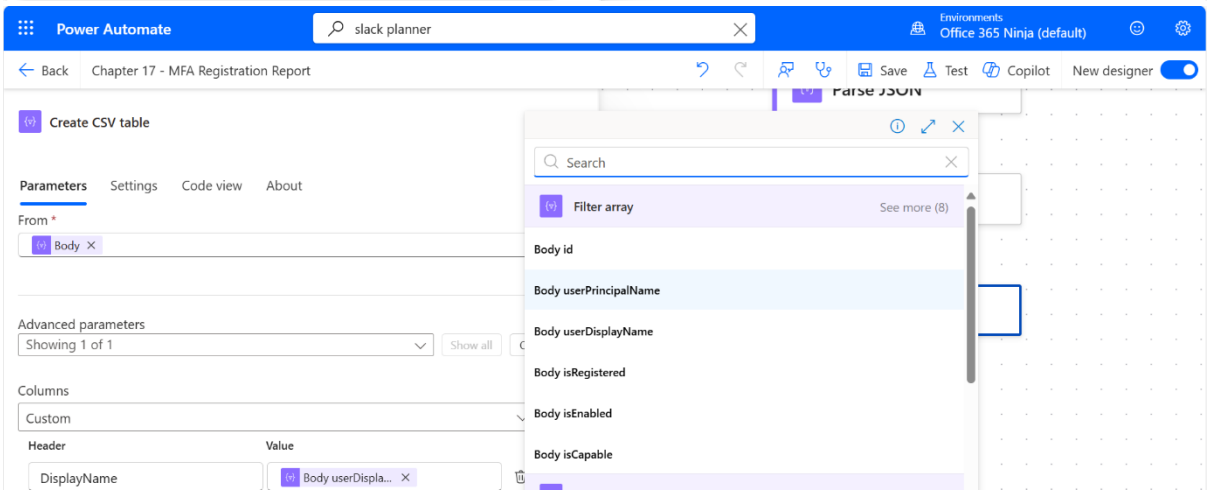

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Filter array
Parameters
Settings
Code view
About
From *
Body value
Filter Query *
Body
is not equal to
Choose a value
null
null

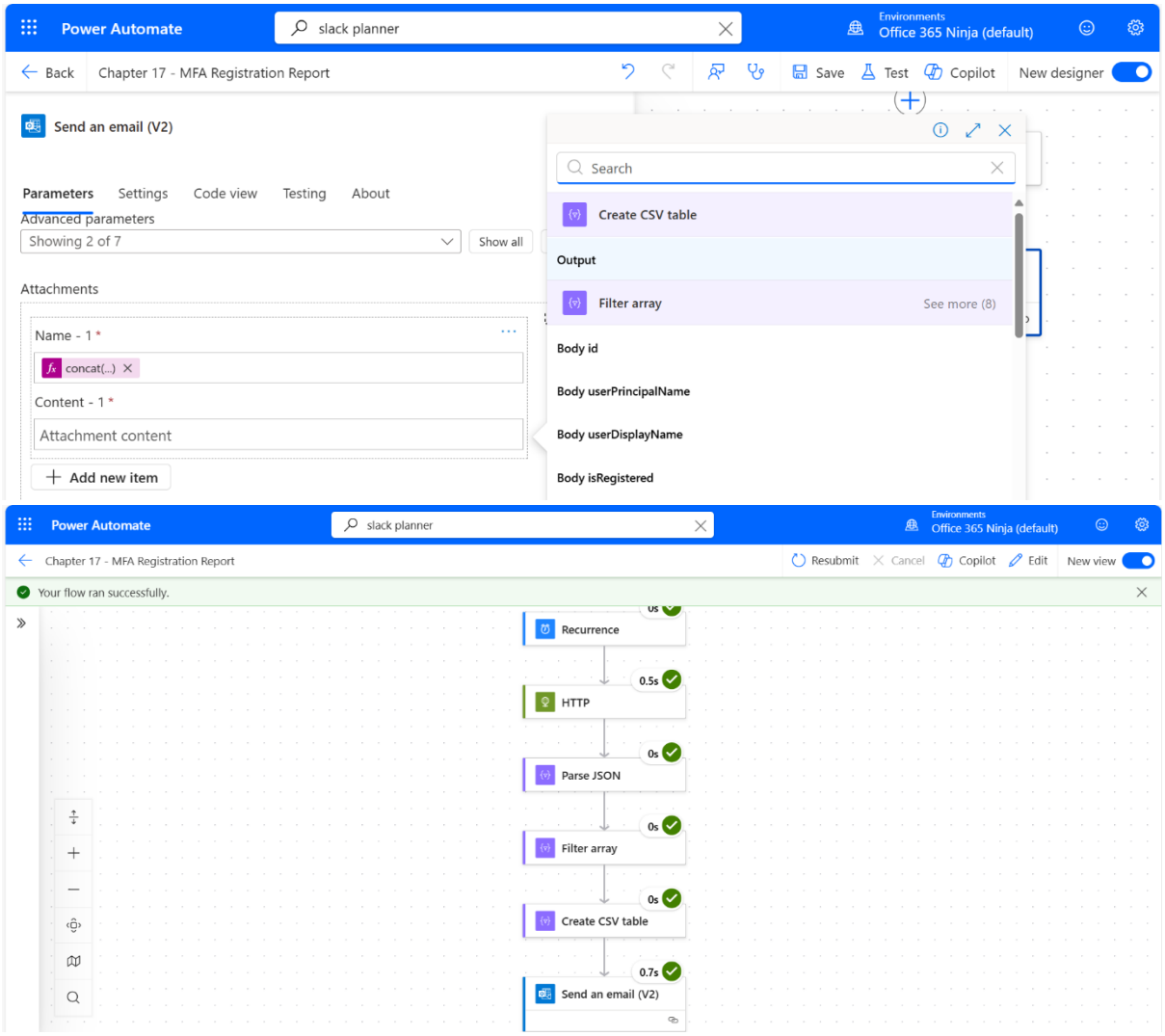

Edit your flow | Power Automate
https://us.flow.microsoft.com/manage/environments/Default-5304a95c-5ee5-4...
Power Automate
Search for helpful resources
Environments
Home (default)
AG
Generate Non-MFA Report
Comments
Save
Flow checker
Test
HTTP
Parse JSON
Filter array
* From
value
@not(equals(body('Parse_JSON'), null))
Edit in basic mode
+ New step
Save


Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Add an action
Create CSV table
Data Operation
See more
Create CSV table
Create HTML table
Parse JSON
Filter array

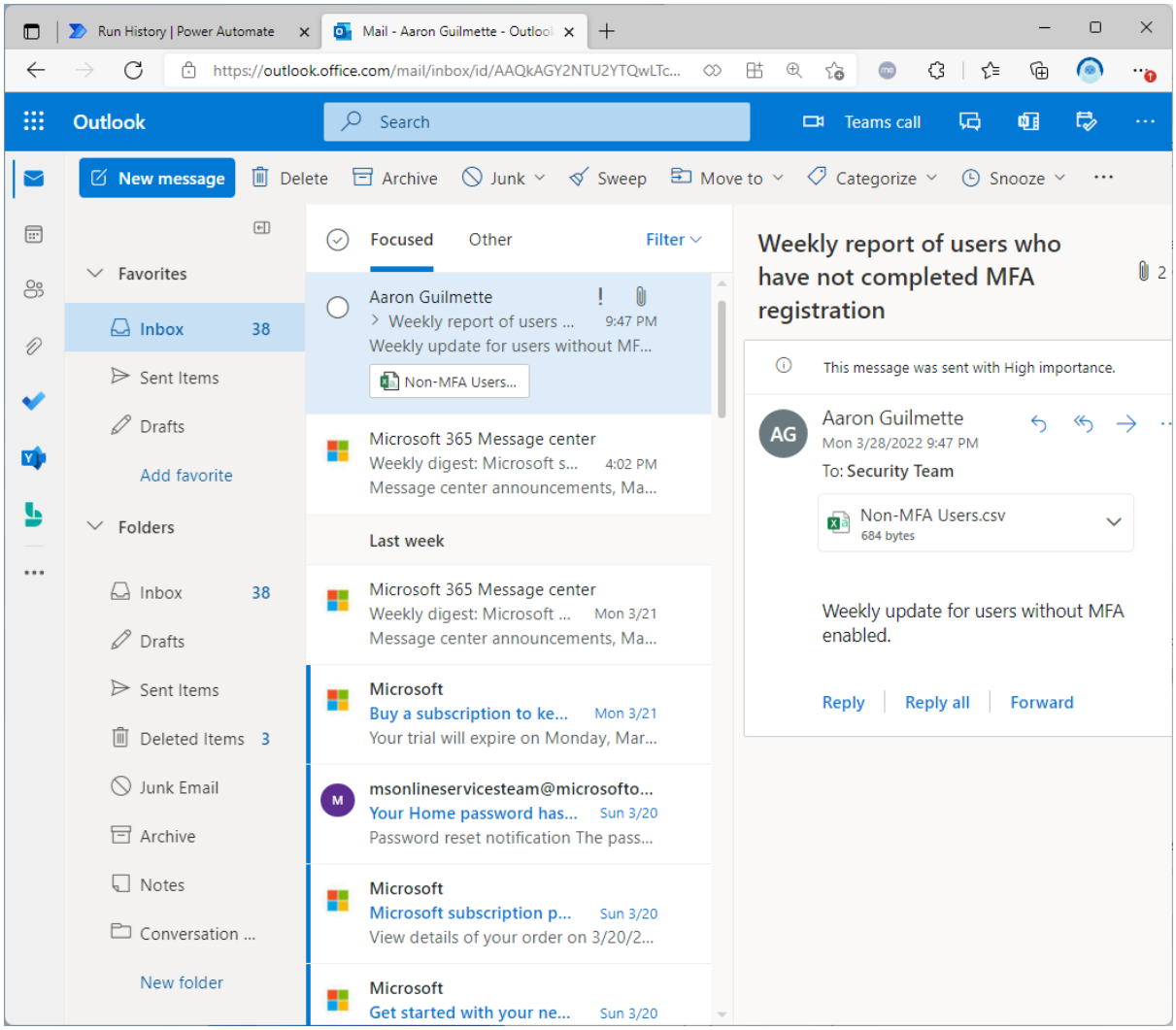

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Create CSV table
Parameters
Settings
Code view
About
From *
Array to create table from
Advanced parameters
Search
Filter array
Body authMethods
Body Item
Body

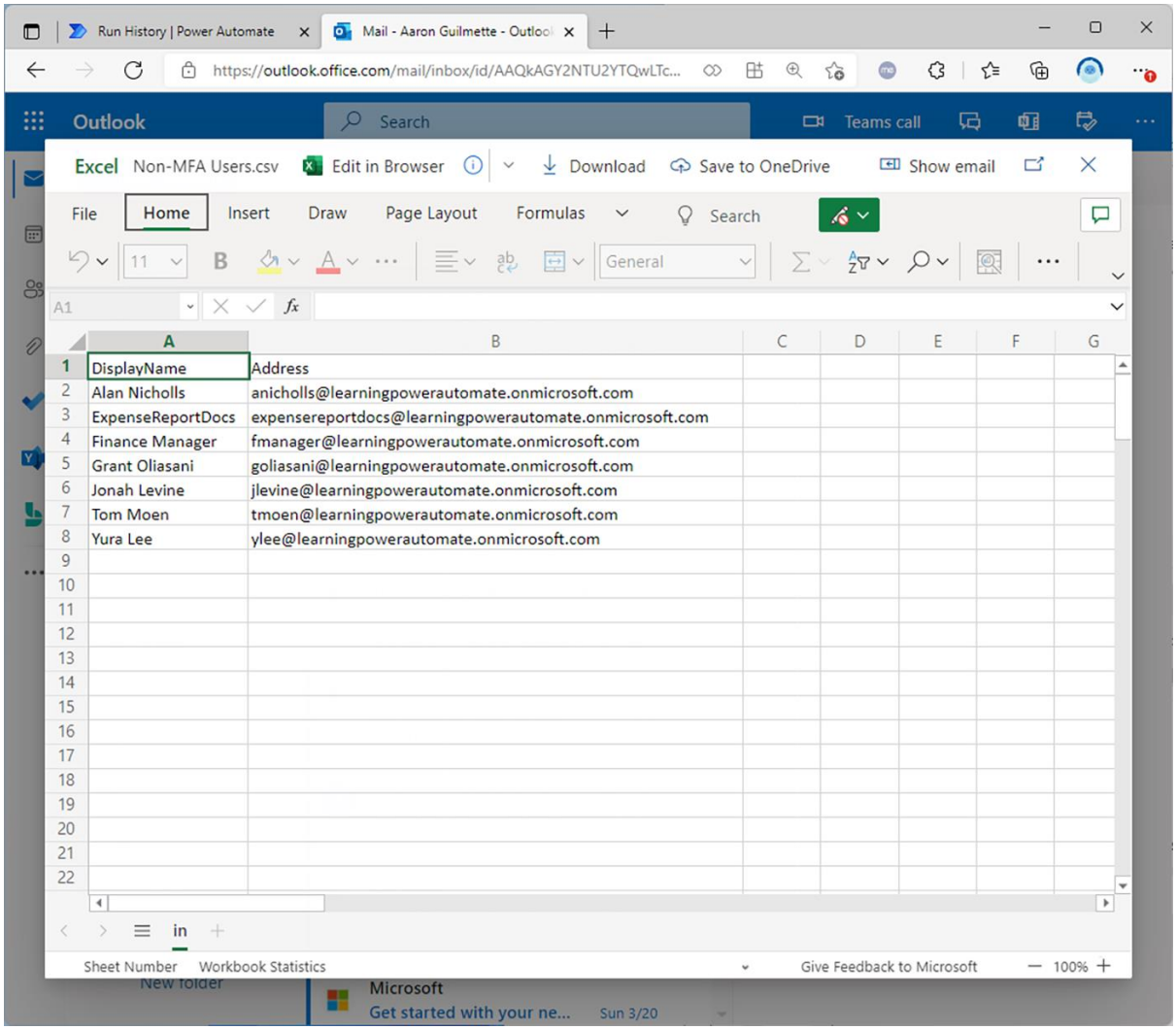

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Create CSV table
Parameters
Settings
Code view
About
From *
Body
Advanced parameters
Showing 1 of 1
Show all
Clear all
Columns
Custom
Automatic
Custom
Parse JSON
Filter array
Create CSV table


Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Create CSV table
Parameters
Settings
Code view
About
From *
Body
Advanced parameters
Showing 1 of 1
Show all
Columns
Custom
Header
Value
DisplayName
Body userDispla...
Search
Filter array
See more (8)
Body id
Body userPrincipalName
Body userDisplayName
Body isRegistered
Body isEnabled
Body isCapable

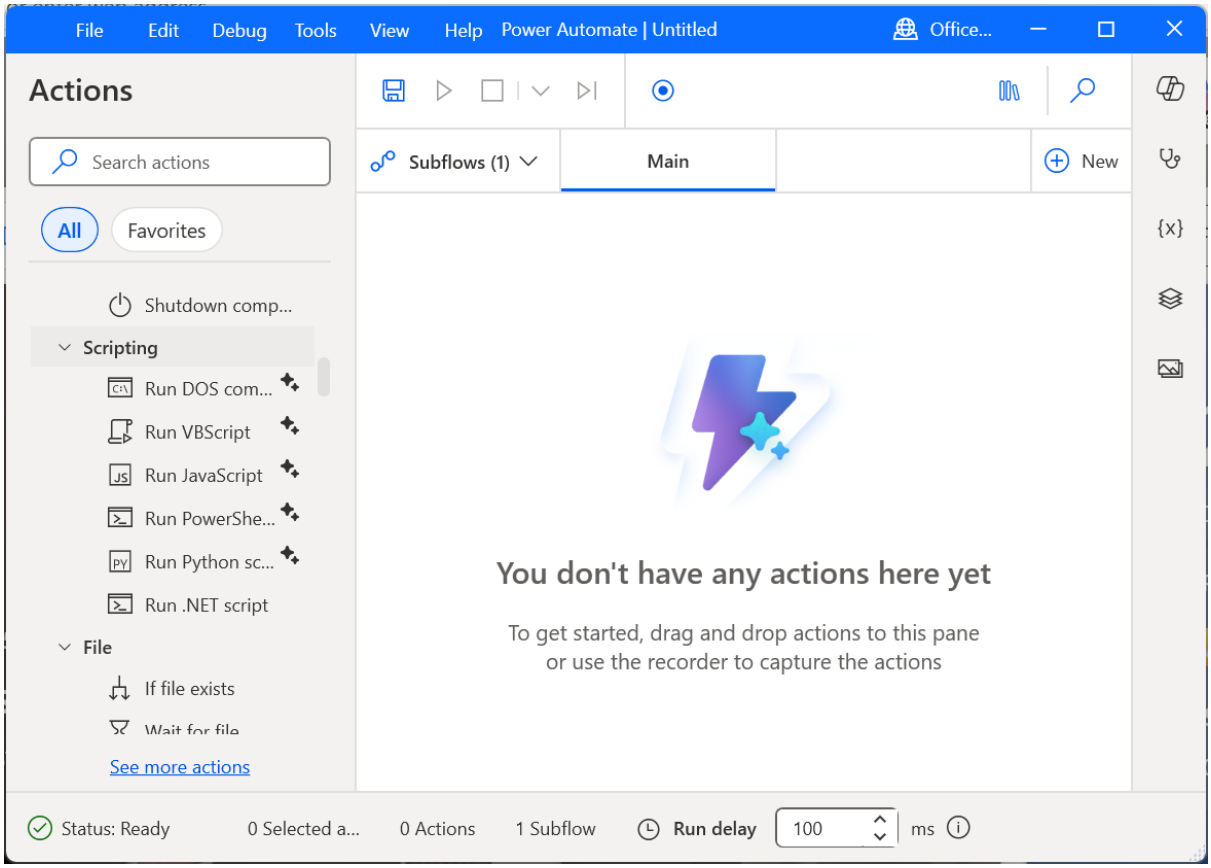

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Back
Chapter 17 - MFA Registration Report
Save
Test
Copilot
New designer
Send an email (V2)
Parameters
Settings
Code view
Testing
About
Advanced parameters
Showing 2 of 7
Show all
Attachments
Name - 1 *
concat(...)
Content - 1 *
Attachment content
Add new item
Search
Create CSV table
Output
Filter array
See more (8)
Body id
Body userPrincipalName
Body userDisplayName
Body isRegistered

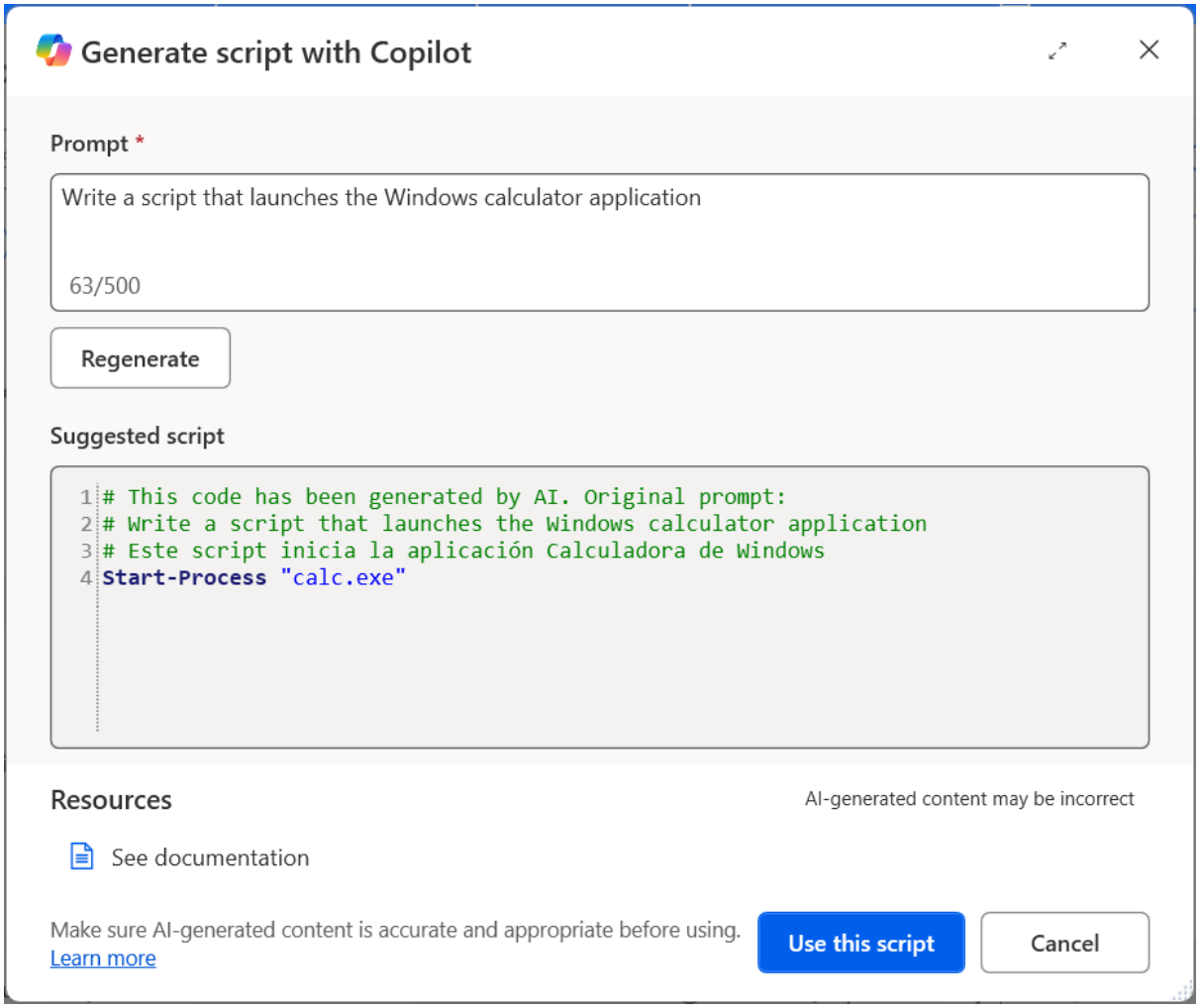

Power Automate
slack planner
Environments
Office 365 Ninja (default)
Chapter 17 - MFA Registration Report
Resubmit
Cancel
Copilot
Edit
New view
Your flow ran successfully.
Recurrence
0.5s
HTTP
0s
Parse JSON
0s
Filter array
0s
Create CSV table
0.7s
Send an email (V2)

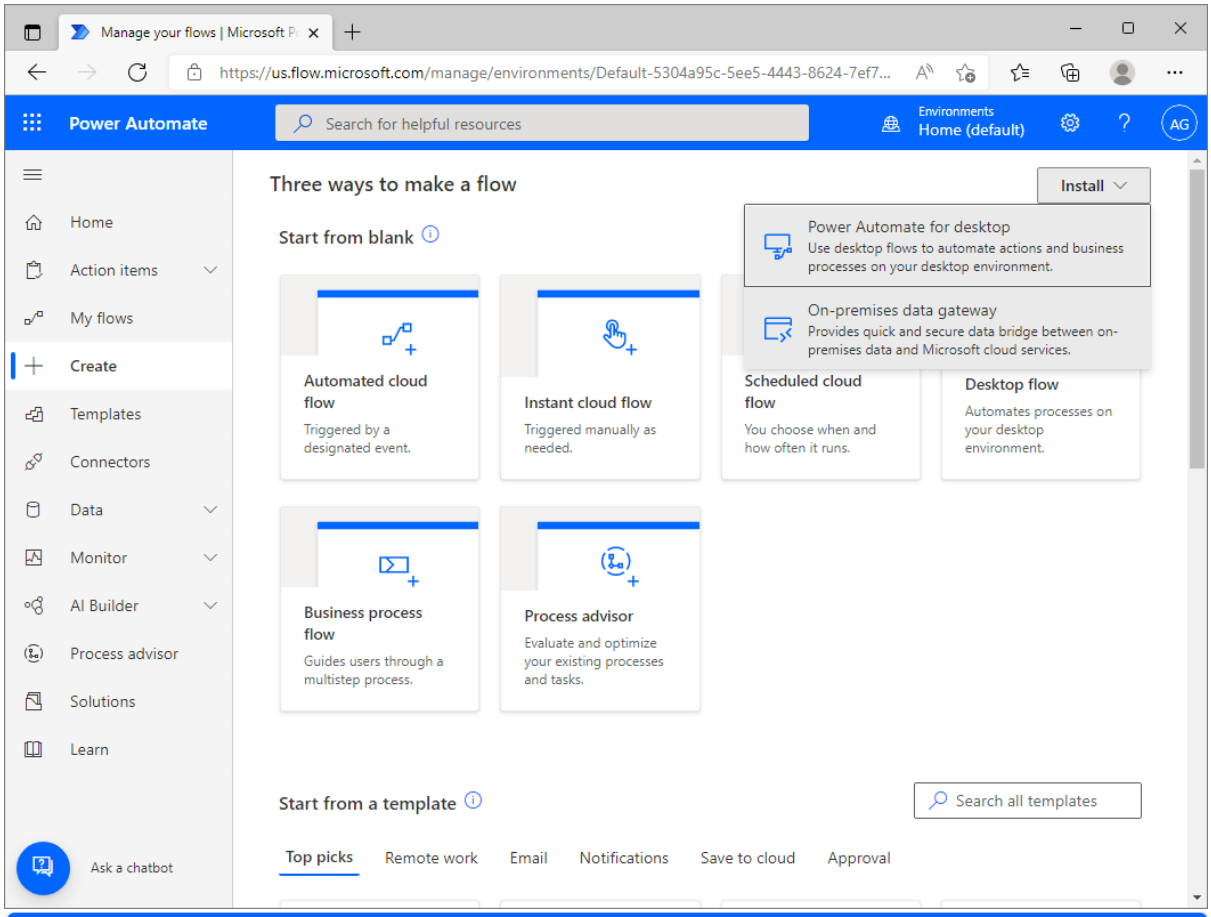

Run History | Power Automate
Mail - Aaron Guilmette - Outlook
https://outlook.office.com/mail/inbox/id/AAQkAGY2NTU2YTQwLTc...
Outlook
Search
Teams call
New message
Delete
Archive
Junk
Sweep
Move to
Categorize
Snooze
Favorites
Inbox 38
Sent Items
Drafts
Add favorite
Folders
Inbox 38
Drafts
Sent Items
Deleted Items 3
Junk Email
Archive
Notes
Conversation ...
New folder
Focused
Other
Filter
Aaron Guilmette
Weekly report of users ... 9:47 PM
Weekly update for users without MF...
Non-MFA Users...
Microsoft 365 Message center
Weekly digest: Microsoft s... 4:02 PM
Message center announcements, Ma...
Last week
Microsoft 365 Message center
Weekly digest: Microsoft ... Mon 3/21
Message center announcements, Ma...
Microsoft
Buy a subscription to ke... Mon 3/21
Your trial will expire on Monday, Mar...
msonlineservicesteam@microsofto...
Your Home password has... Sun 3/20
Password reset notification The pass...
Microsoft
Microsoft subscription p... Sun 3/20
View details of your order on 3/20/2...
Microsoft
Get started with your ne... Sun 3/20
Weekly report of users who have not completed MFA registration
2
This message was sent with High importance.
AG
Aaron Guilmette
Mon 3/28/2022 9:47 PM
To: Security Team
Non-MFA Users.csv
684 bytes
Weekly update for users without MFA enabled.
Reply
Reply all
Forward

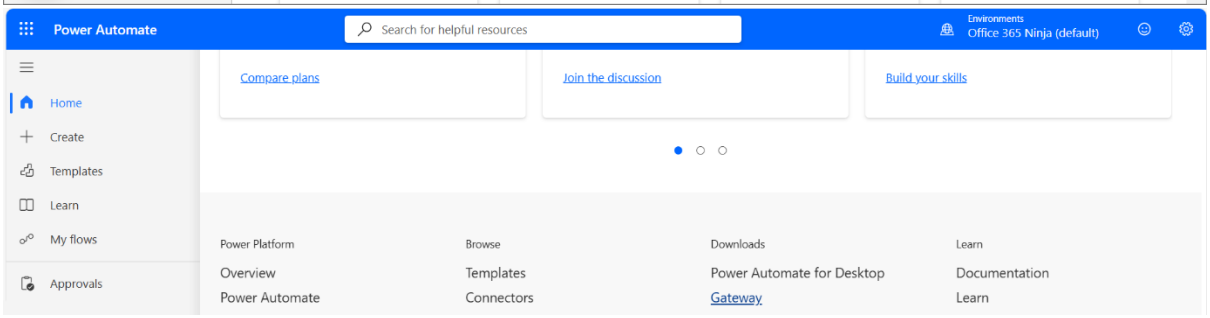

Run History | Power Automate
Mail - Aaron Guilmette - Outlook
https://outlook.office.com/mail/inbox/id/AAQkAGY2NTU2YTQwLTc...
Outlook
Search
Teams call
Excel
Non-MFA Users.csv
Edit in Browser
Download
Save to OneDrive
Show email
File
Home
Insert
Draw
Page Layout
Formulas
Search
General
A1
DisplayName
Address
Alan Nicholls
anicholls@learningpowerautomate.onmicrosoft.com
ExpenseReportDocs
expensereportdocs@learningpowerautomate.onmicrosoft.com
Finance Manager
fmanager@learningpowerautomate.onmicrosoft.com
Grant Oliasani
goliasani@learningpowerautomate.onmicrosoft.com
Jonah Levine
jlevine@learningpowerautomate.onmicrosoft.com
Tom Moen
tmoen@learningpowerautomate.onmicrosoft.com
Yura Lee
ylee@learningpowerautomate.onmicrosoft.com
in
Sheet Number
Workbook Statistics
Give Feedback to Microsoft
100%
New folder
Microsoft
Get started with your ne...
Sun 3/20

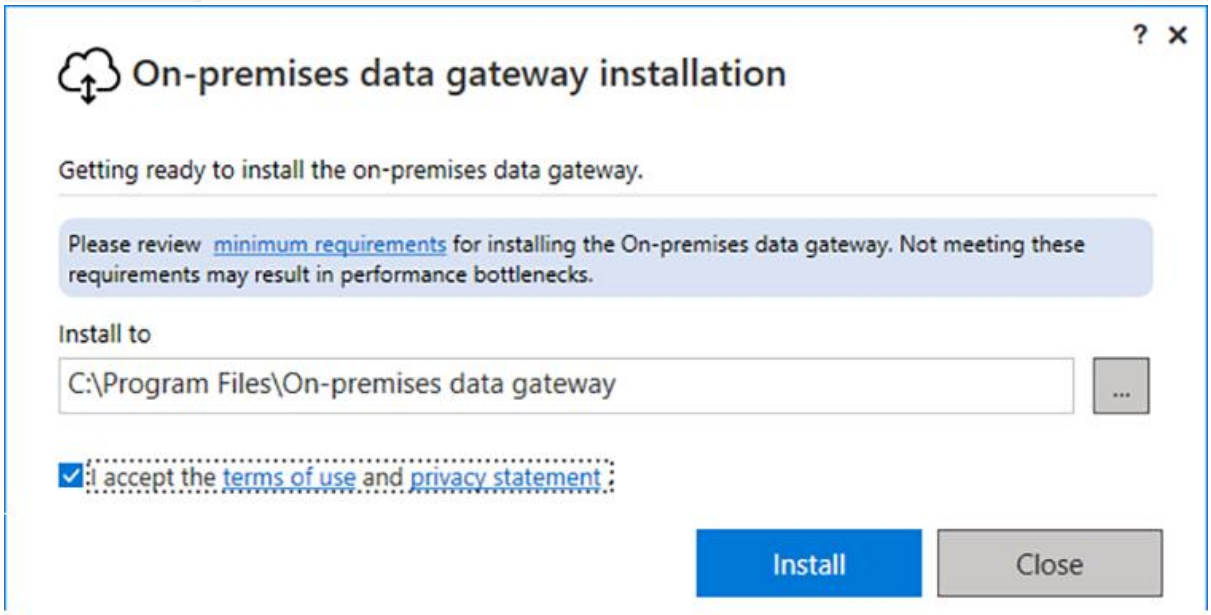
# Chapter 18: Introducing Robotic Process Automation

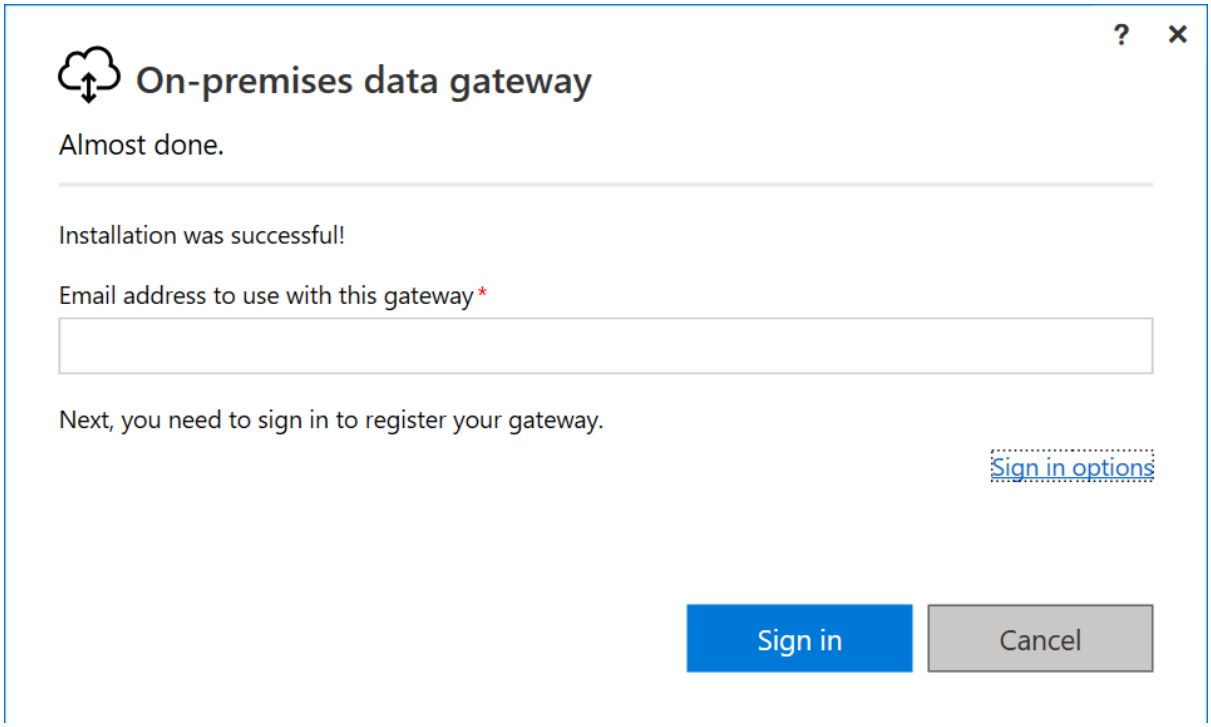


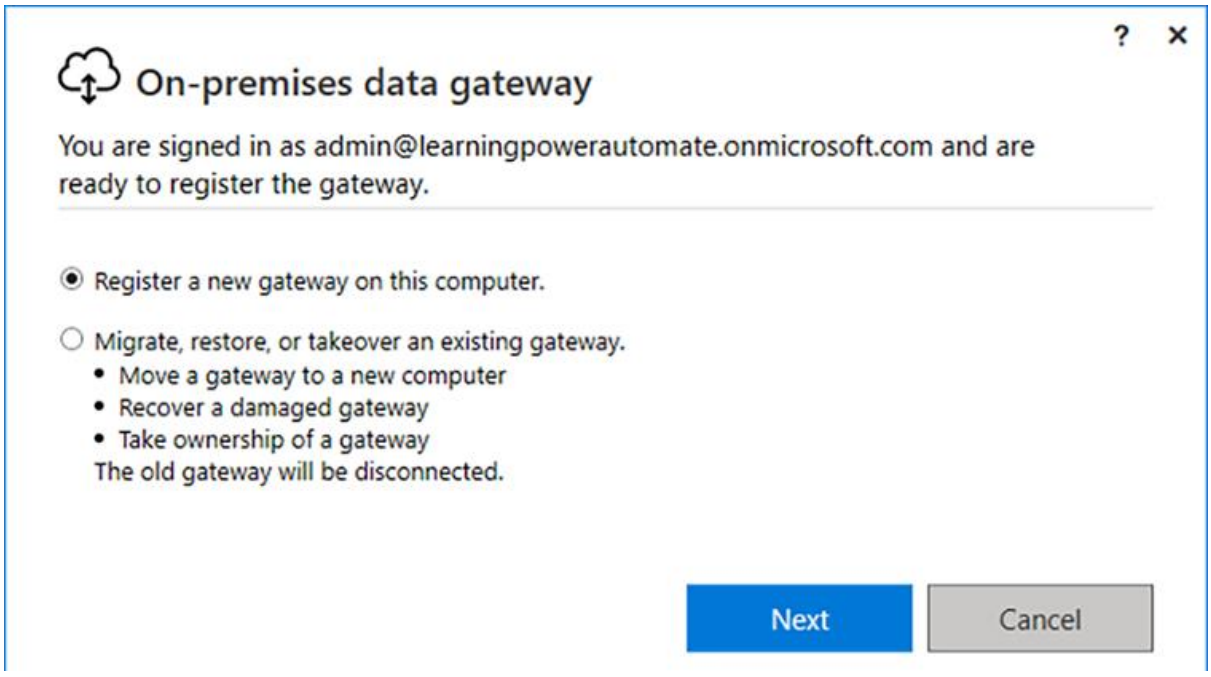

Generate script with Copilot
Prompt *
Write a script that launches the Windows calculator application
63/500
Regenerate
Suggested script
# This code has been generated by AI. Original prompt:
# Write a script that launches the Windows calculator application
# Este script inicia la aplicación Calculadora de Windows
Start-Process "calc.exe"
Resources
AI-generated content may be incorrect
See documentation
Make sure AI-generated content is accurate and appropriate before using.
Learn more
Use this script
Cancel

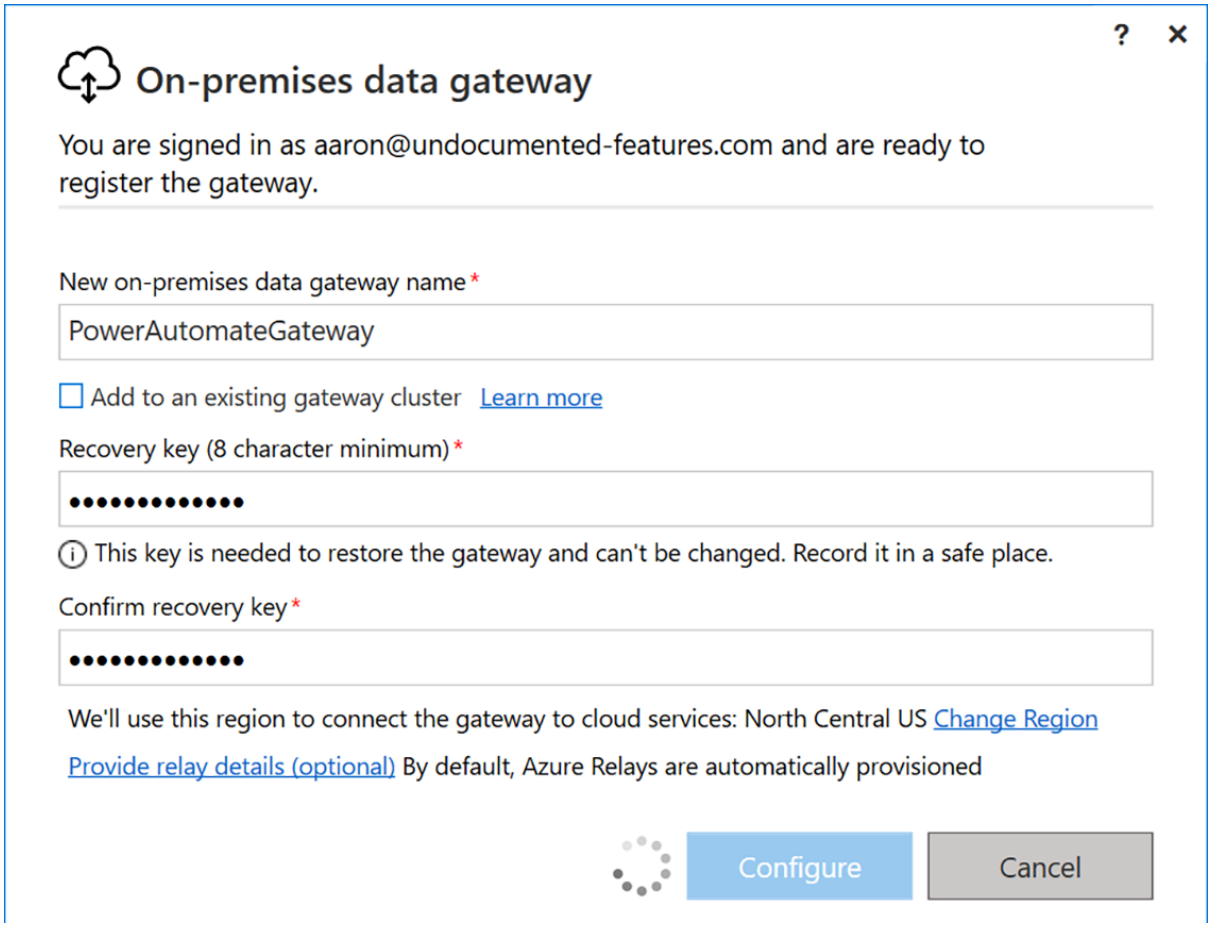

Manage your flows | Microsoft P
https://us.flow.microsoft.com/manage/environments/Default-5304a95c-5ee5-4443-8624-7ef7...
Power Automate
Search for helpful resources
Environments
Home (default)
AG
Three ways to make a flow
Install
Power Automate for desktop
Use desktop flows to automate actions and business processes on your desktop environment.
On-premises data gateway
Provides quick and secure data bridge between on-premises data and Microsoft cloud services.
Start from blank
Home
Action items
My flows
Create
Templates
Connectors
Data
Monitor
AI Builder
Process advisor
Solutions
Learn
Automated cloud flow
Triggered by a designated event.
Instant cloud flow
Triggered manually as needed.
Scheduled cloud flow
You choose when and how often it runs.
Desktop flow
Automates processes on your desktop environment.
Business process flow
Guides users through a multistep process.
Process advisor
Evaluate and optimize your existing processes and tasks.
Start from a template
Search all templates
Top picks
Remote work
Email
Notifications
Save to cloud
Approval
Ask a chatbot

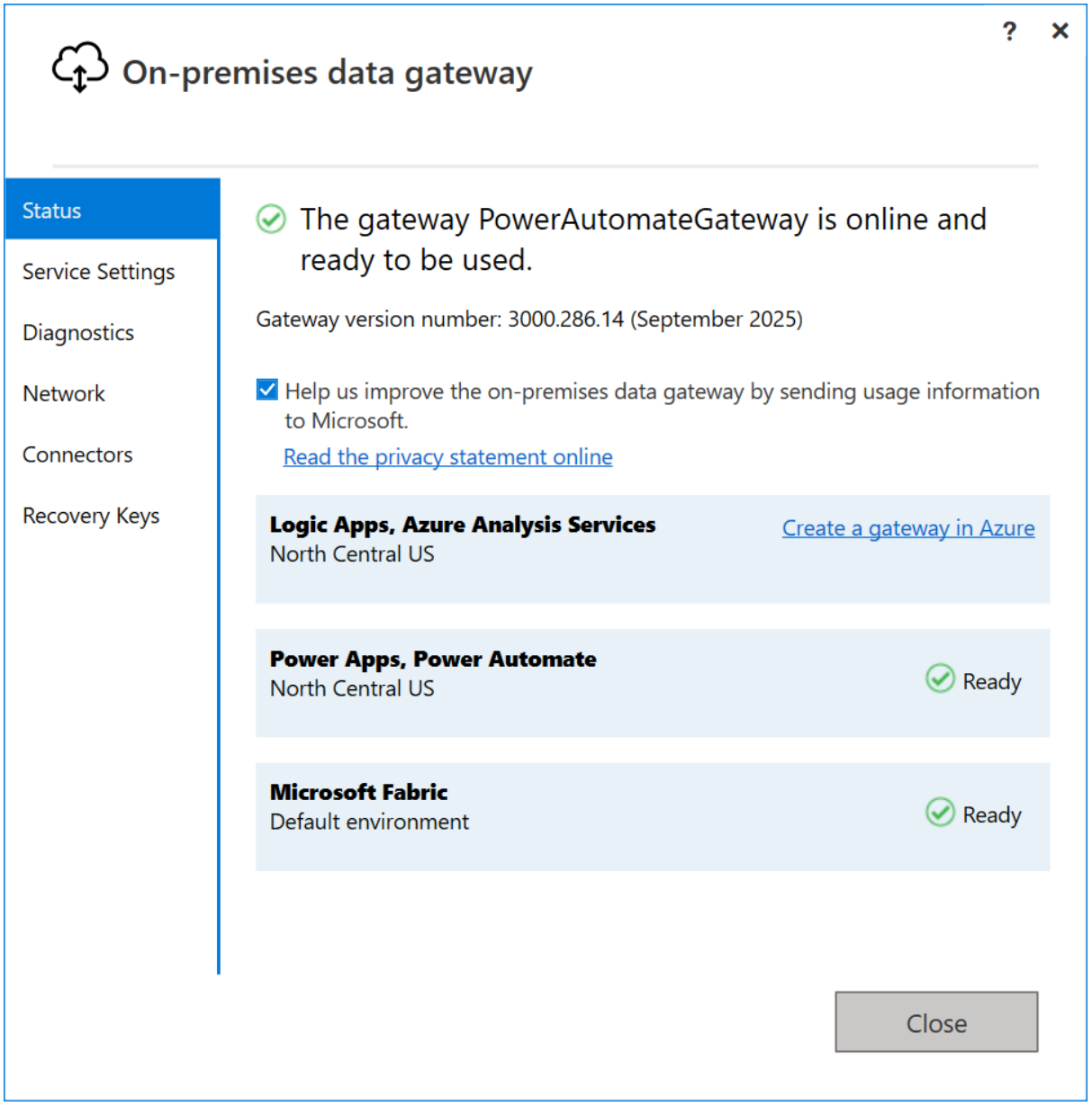

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Compare plans
Join the discussion
Build your skills
Home
Create
Templates
Learn
My flows
Approvals
Power Platform
Overview
Power Automate
Browse
Templates
Connectors
Downloads
Power Automate for Desktop
Gateway
Learn
Documentation
Learn

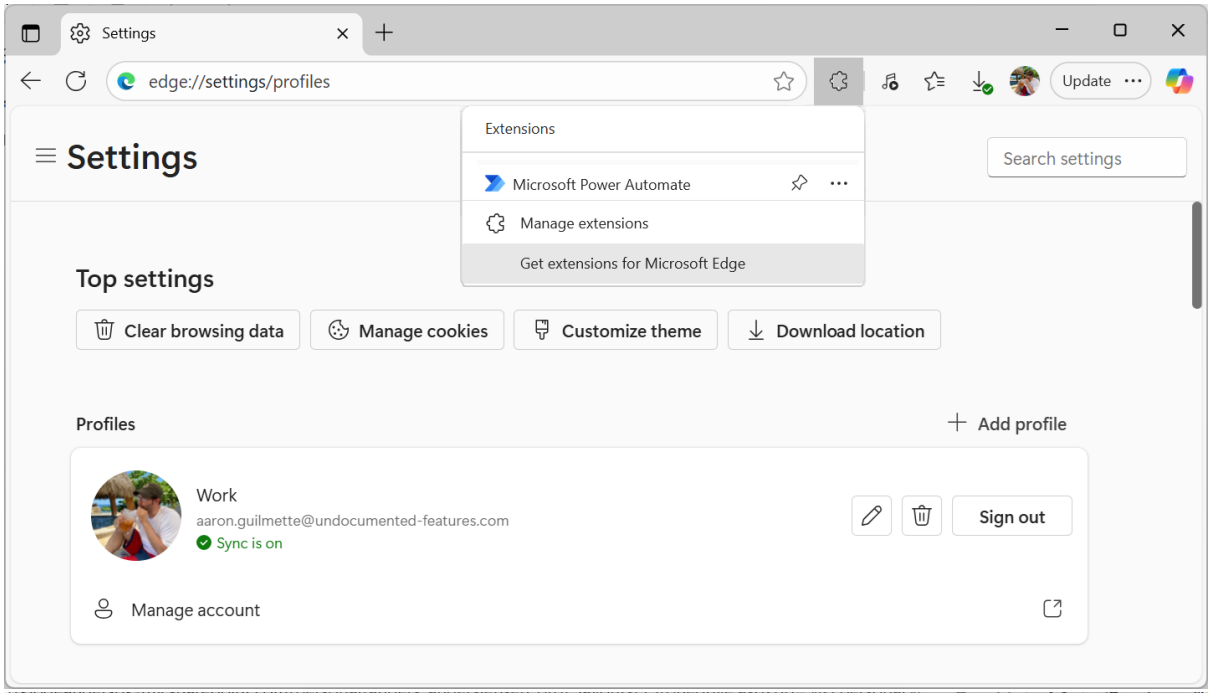

On-premises data gateway installation
Getting ready to install the on-premises data gateway.
Please review minimum requirements for installing the On-premises data gateway. Not meeting these requirements may result in performance bottlenecks.
Install to
C:\Program Files\On-premises data gateway
...
I accept the terms of use and privacy statement
Install
Close

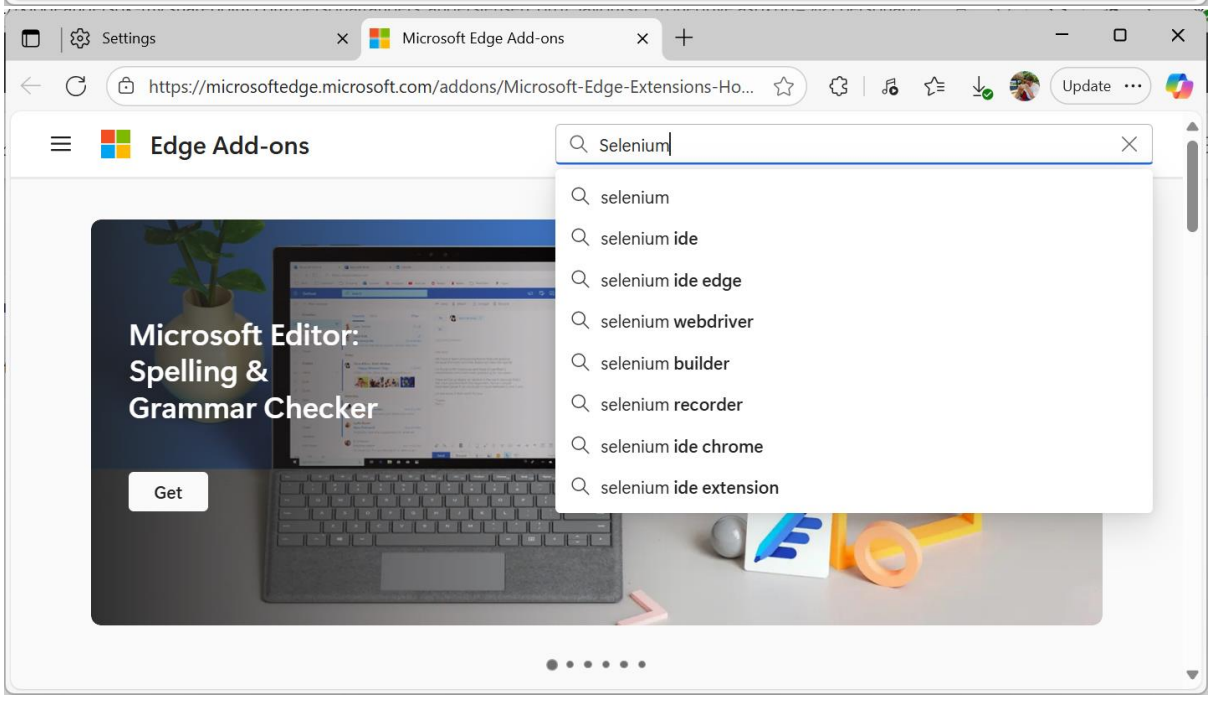

On-premises data gateway
Almost done.
Installation was successful!
Email address to use with this gateway *
Next, you need to sign in to register your gateway.
Sign in options
Sign in
Cancel

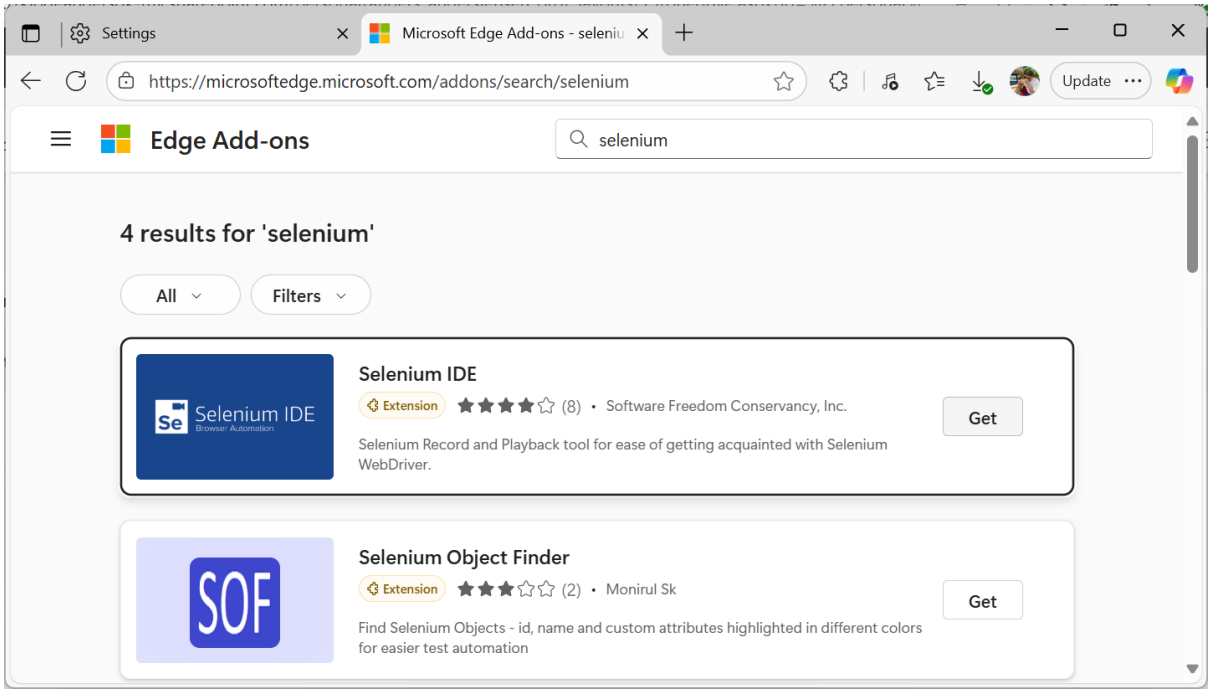

On-premises data gateway
You are signed in as admin@learningpowerautomate.onmicrosoft.com and are ready to register the gateway.
Register a new gateway on this computer.
Migrate, restore, or takeover an existing gateway.
Move a gateway to a new computer
Recover a damaged gateway
Take ownership of a gateway
The old gateway will be disconnected.
Next
Cancel


On-premises data gateway
You are signed in as aaron@undocumented-features.com and are ready to register the gateway.
New on-premises data gateway name *
PowerAutomateGateway
Add to an existing gateway cluster
Learn more
Recovery key (8 character minimum) *
This key is needed to restore the gateway and can't be changed. Record it in a safe place.
Confirm recovery key *
We'll use this region to connect the gateway to cloud services: North Central US
Change Region
Provide relay details (optional)
By default, Azure Relays are automatically provisioned
Configure
Cancel

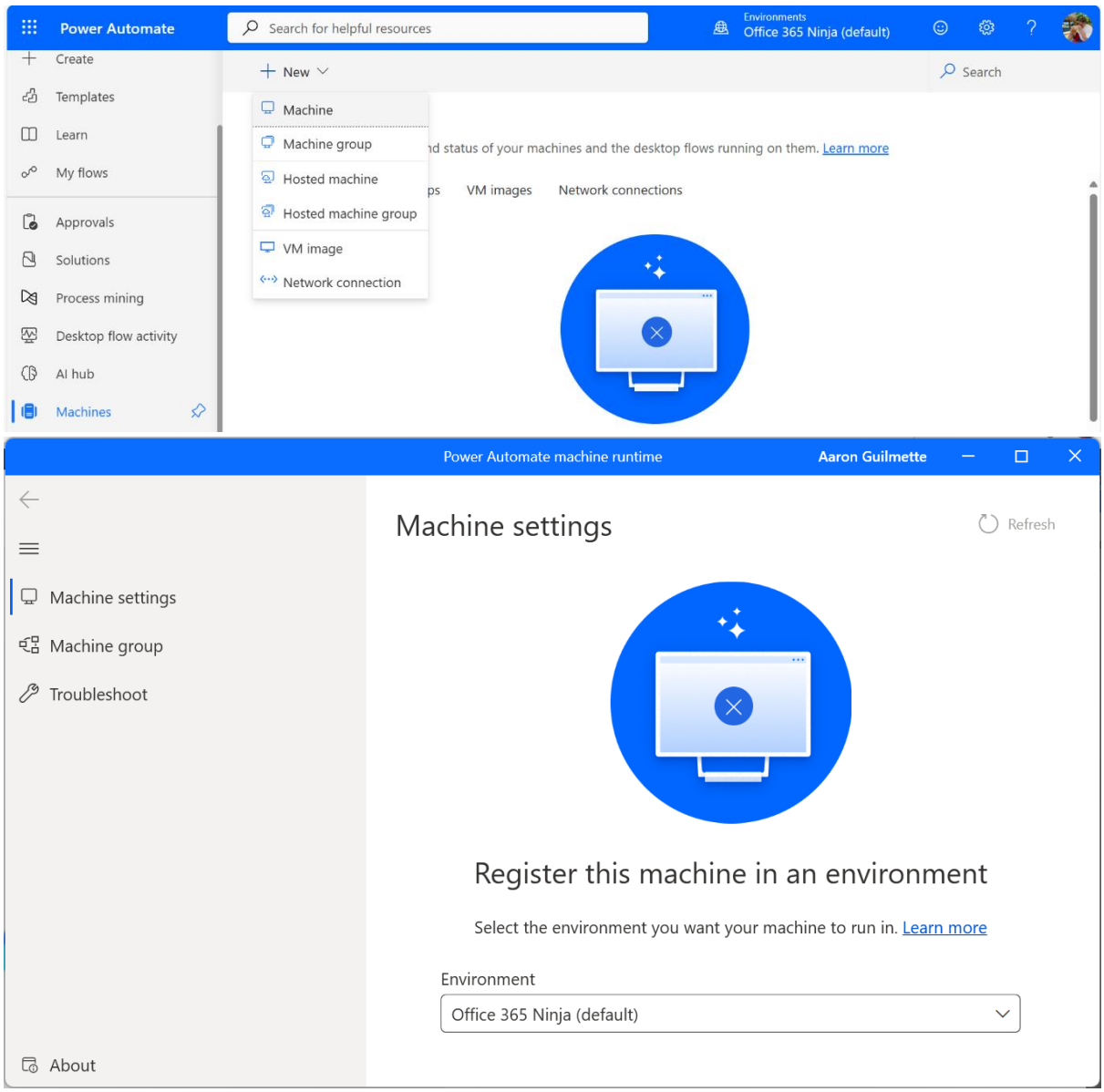

On-premises data gateway
Status
Service Settings
Diagnostics
Network
Connectors
Recovery Keys
The gateway PowerAutomateGateway is online and ready to be used.
Gateway version number: 3000.286.14 (September 2025)
Help us improve the on-premises data gateway by sending usage information to Microsoft.
Read the privacy statement online
Logic Apps, Azure Analysis Services
North Central US
Create a gateway in Azure
Power Apps, Power Automate
North Central US
Ready
Microsoft Fabric
Default environment
Ready
Close

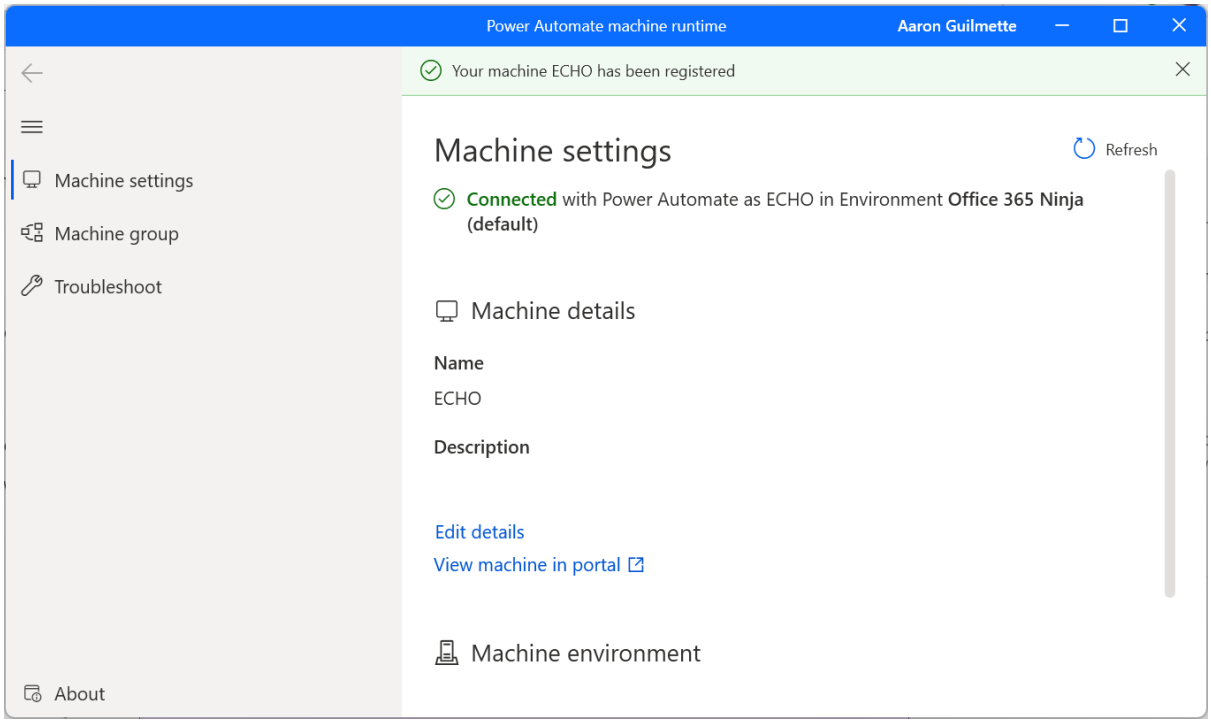

Settings
edge://settings/profiles
Update
Extensions
Microsoft Power Automate
Manage extensions
Get extensions for Microsoft Edge
Settings
Search settings
Top settings
Clear browsing data
Manage cookies
Customize theme
Download location
Profiles
Add profile
Work
aaron.guilmette@undocumented-features.com
Sync is on
Sign out
Manage account

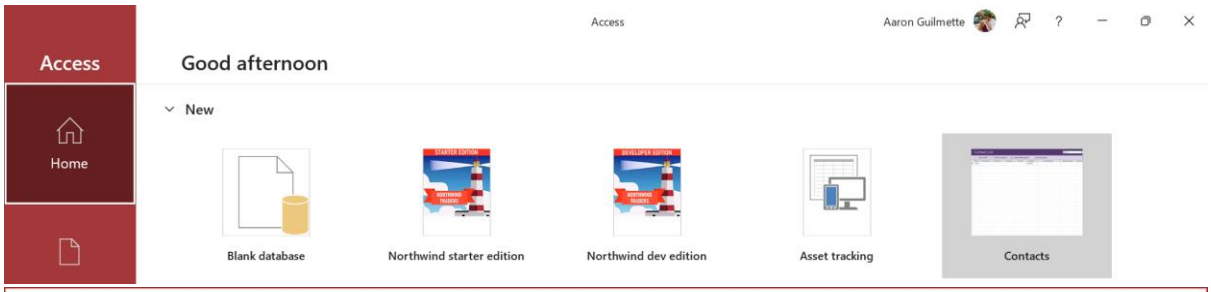

Settings
Microsoft Edge Add-ons
https://microsoftedge.microsoft.com/addons/Microsoft-Edge-Extensions-Ho...
Update
Edge Add-ons
Selenium
selenium
selenium ide
selenium ide edge
selenium webdriver
selenium builder
selenium recorder
selenium ide chrome
selenium ide extension
Microsoft Editor: Spelling & Grammar Checker
Get

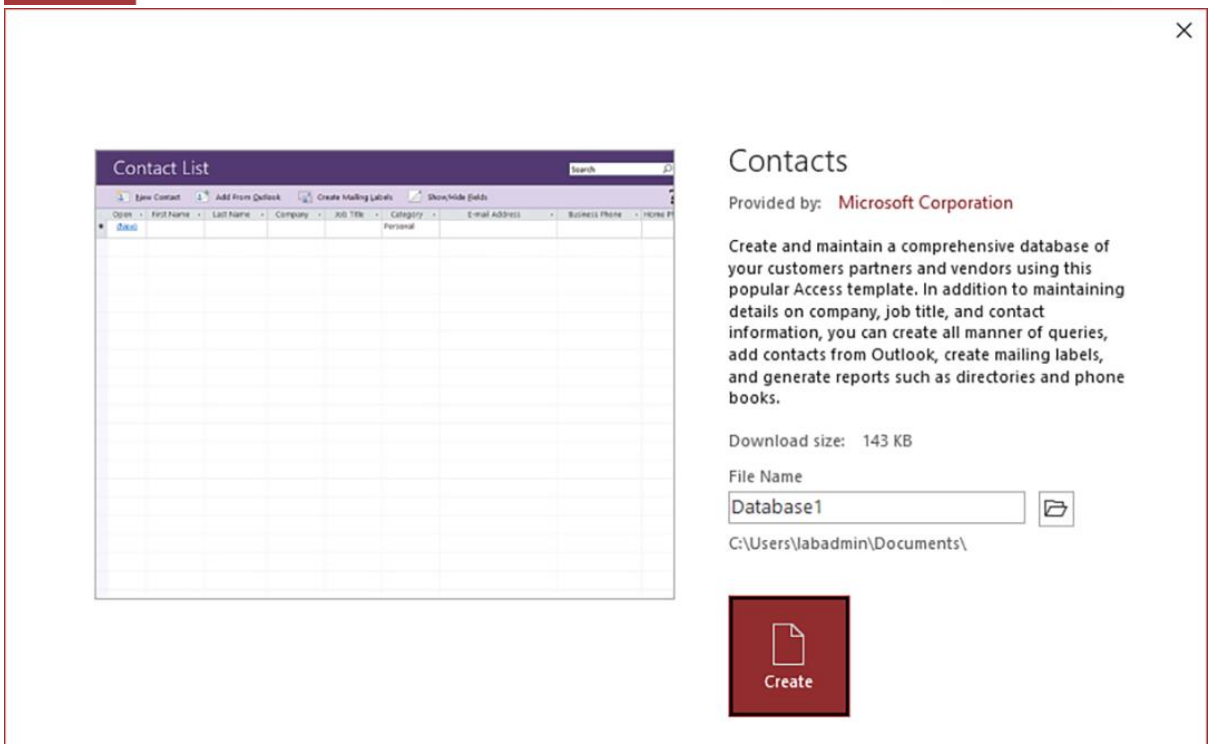

Settings
Microsoft Edge Add-ons - seleniu
https://microsoftedge.microsoft.com/addons/search/selenium
Update
Edge Add-ons
selenium
4 results for 'selenium'
All
Filters
Selenium IDE
Browser Automation
Selenium IDE
Extension
(8) • Software Freedom Conservancy, Inc.
Get
Selenium Record and Playback tool for ease of getting acquainted with Selenium WebDriver.
SOF
Selenium Object Finder
Extension
(2) • Monirul Sk
Get
Find Selenium Objects - id, name and custom attributes highlighted in different colors for easier test automation

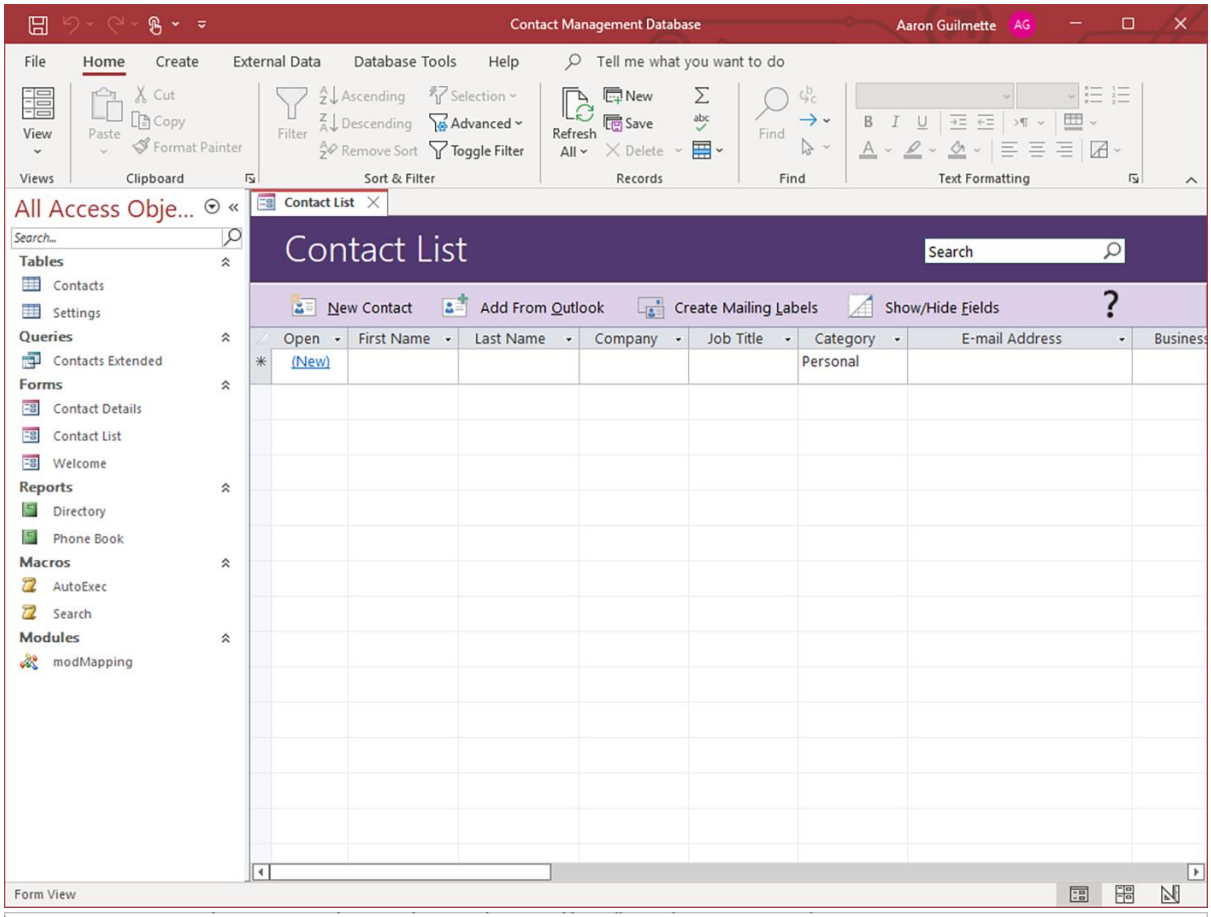
# Chapter 19: Contributing to an Access Database with RPA

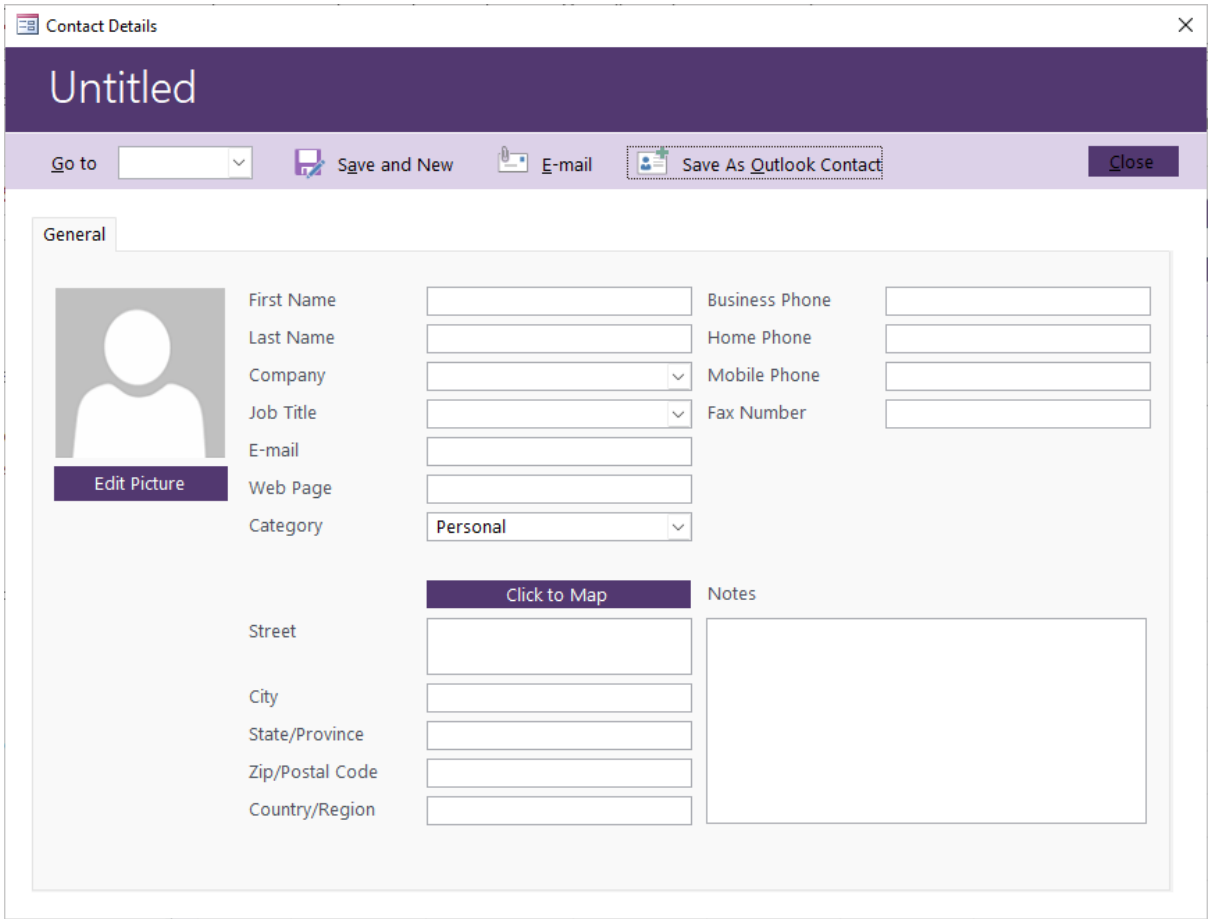


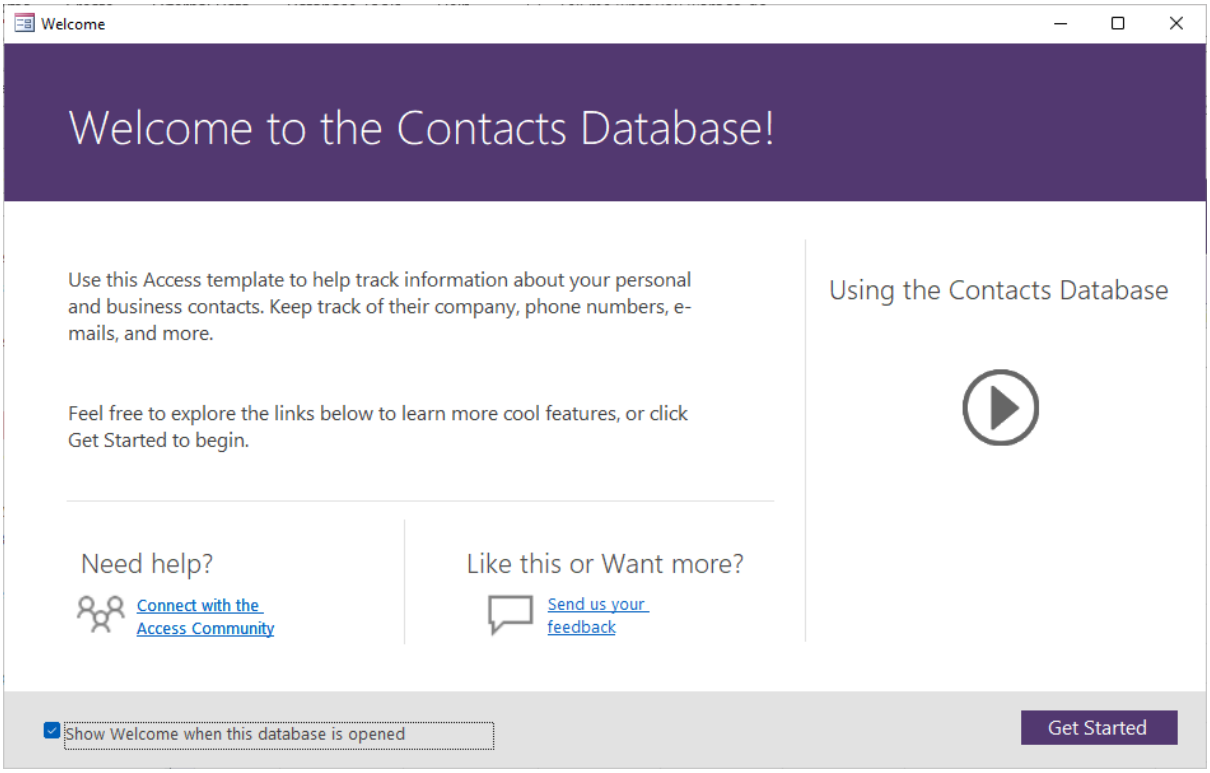

Power Automate machine runtime
Aaron Guilmette
Your machine ECHO has been registered
Machine settings
Machine group
Troubleshoot
About
Machine settings
Refresh
Connected with Power Automate as ECHO in Environment Office 365 Ninja (default)
Machine details
Name
ECHO
Description
Edit details
View machine in portal
Machine environment

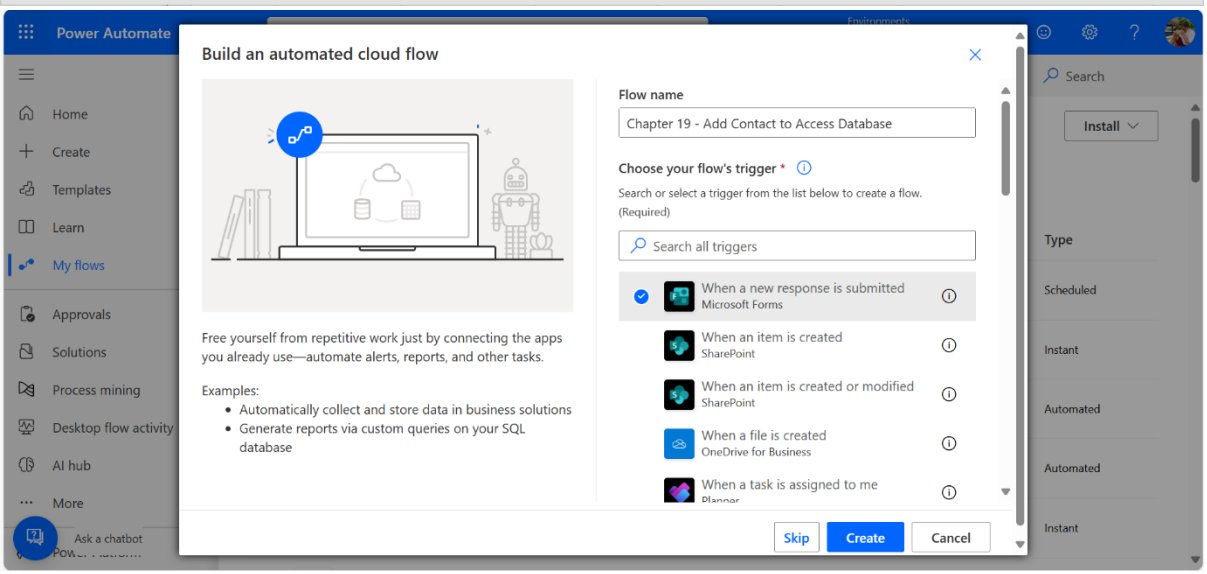

Access
Aaron Guilmette
Access
Home
Good afternoon
New
Blank database
Northwind starter edition
Northwind dev edition
Asset tracking
Contacts

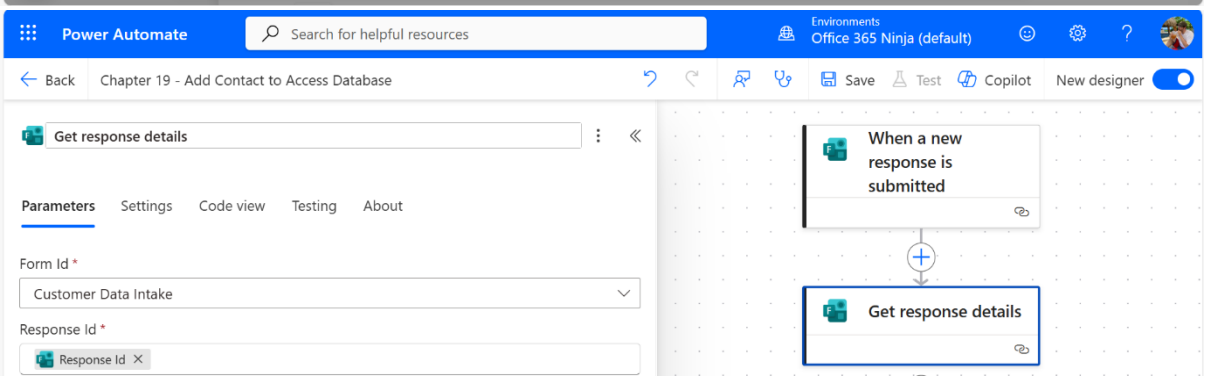

Contact List
Contacts
Provided by: Microsoft Corporation
Create and maintain a comprehensive database of your customers partners and vendors using this popular Access template. In addition to maintaining details on company, job title, and contact information, you can create all manner of queries, add contacts from Outlook, create mailing labels, and generate reports such as directories and phone books.
Download size: 143 KB
File Name
Database1
C:\Users\labadmin\Documents\
Create

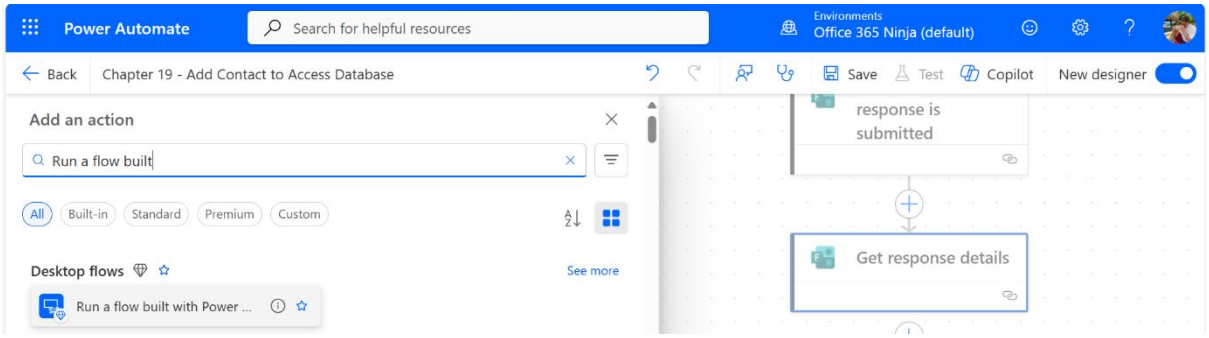

Contact Management Database
Aaron Guilmette
File
Home
Create
External Data
Database Tools
Help
Tell me what you want to do
View
Paste
Cut
Copy
Format Painter
Filter
Ascending
Descending
Remove Sort
Selection
Advanced
Toggle Filter
Refresh All
New
Save
Delete
Find
Views
Clipboard
Sort & Filter
Records
Find
Text Formatting
All Access Obje...
Search...
Tables
Contacts
Settings
Queries
Contacts Extended
Forms
Contact Details
Contact List
Welcome
Reports
Directory
Phone Book
Macros
AutoExec
Search
Modules
modMapping
Contact List
Contact List
Search
New Contact
Add From Outlook
Create Mailing Labels
Show/Hide Fields
Open
First Name
Last Name
Company
Job Title
Category
E-mail Address
Business
(New)
Personal
Form View

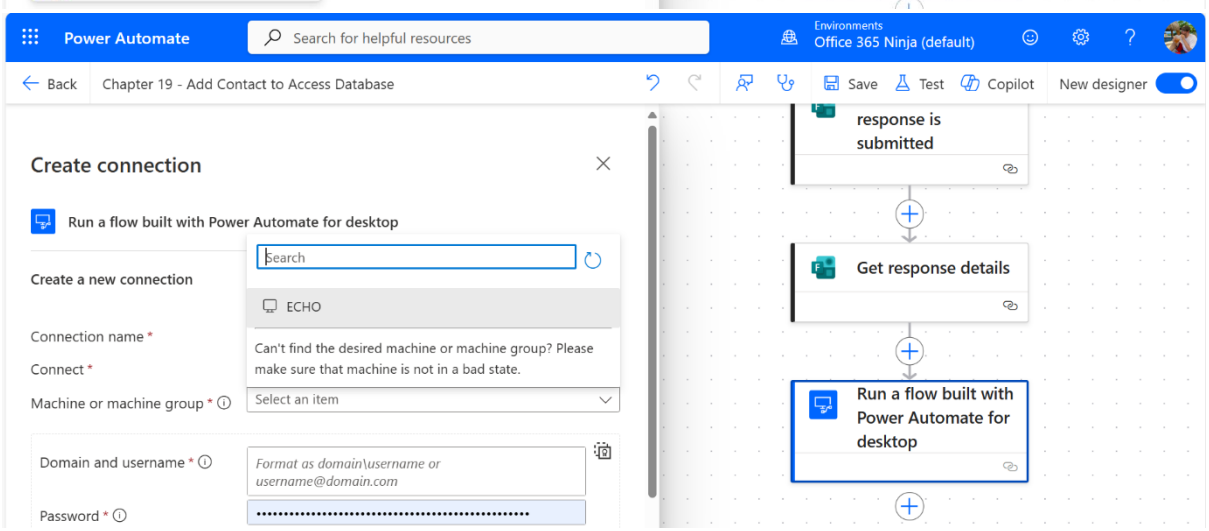

Contact Details
Untitled
Go to
Save and New
E-mail
Save As Outlook Contact
Close
General
Edit Picture
First Name
Last Name
Company
Job Title
E-mail
Web Page
Category
Personal
Business Phone
Home Phone
Mobile Phone
Fax Number
Click to Map
Notes
Street
City
State/Province
Zip/Postal Code
Country/Region

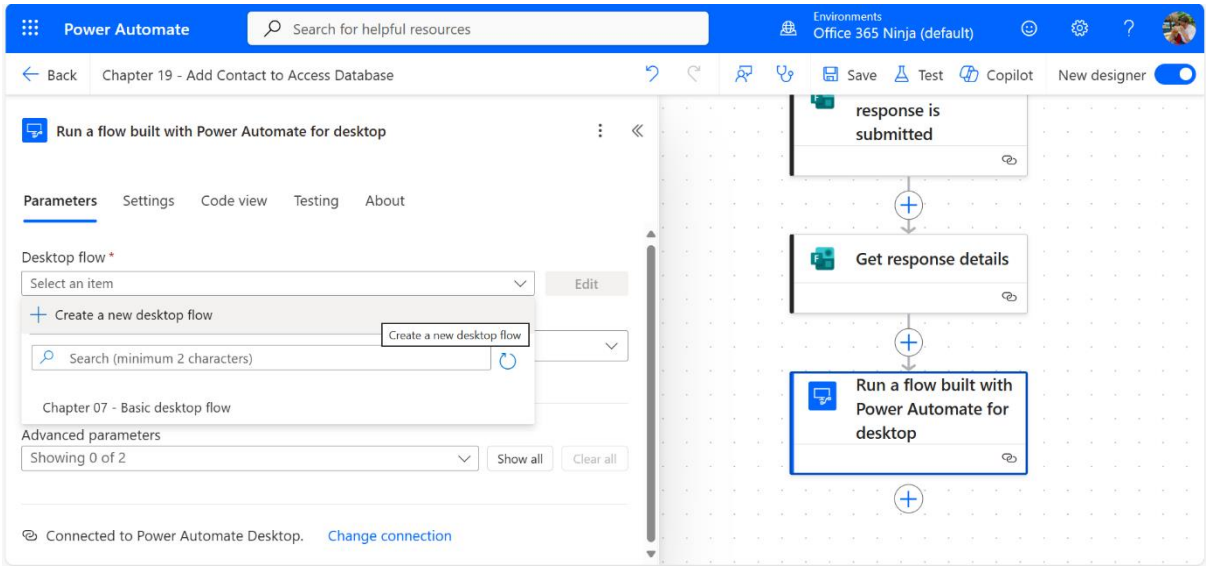

Welcome
Welcome to the Contacts Database!
Use this Access template to help track information about your personal and business contacts. Keep track of their company, phone numbers, e-mails, and more.
Feel free to explore the links below to learn more cool features, or click Get Started to begin.
Using the Contacts Database
Need help?
Connect with the Access Community
Like this or Want more?
Send us your feedback
Show Welcome when this database is opened
Get Started

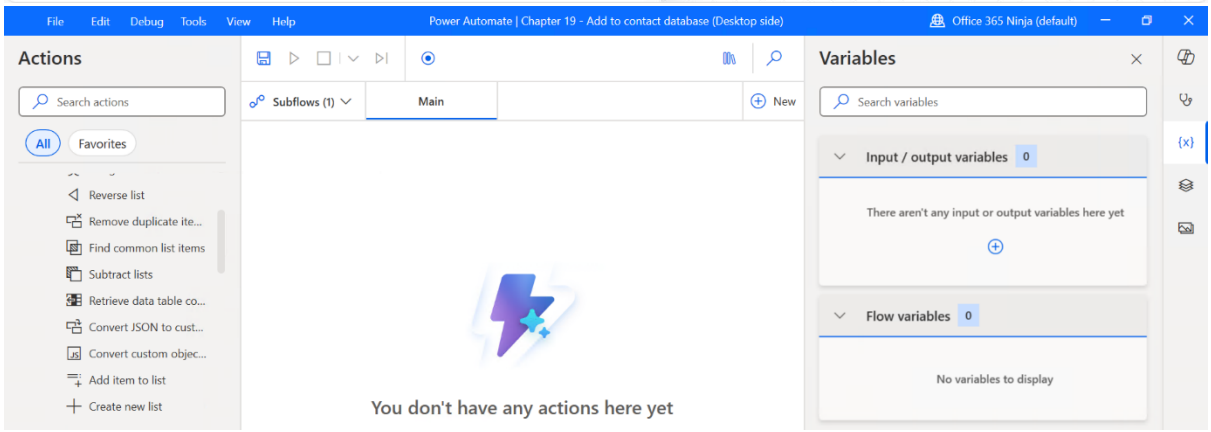

Power Automate
Build an automated cloud flow
Flow name
Chapter 19 - Add Contact to Access Database
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
Search all triggers
When a new response is submitted
Microsoft Forms
When an item is created
SharePoint
When an item is created or modified
SharePoint
When a file is created
OneDrive for Business
When a task is assigned to me
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Skip
Create
Cancel
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
More
Ask a chatbot
Search
Install
Type
Scheduled
Instant
Automated
Automated
Instant

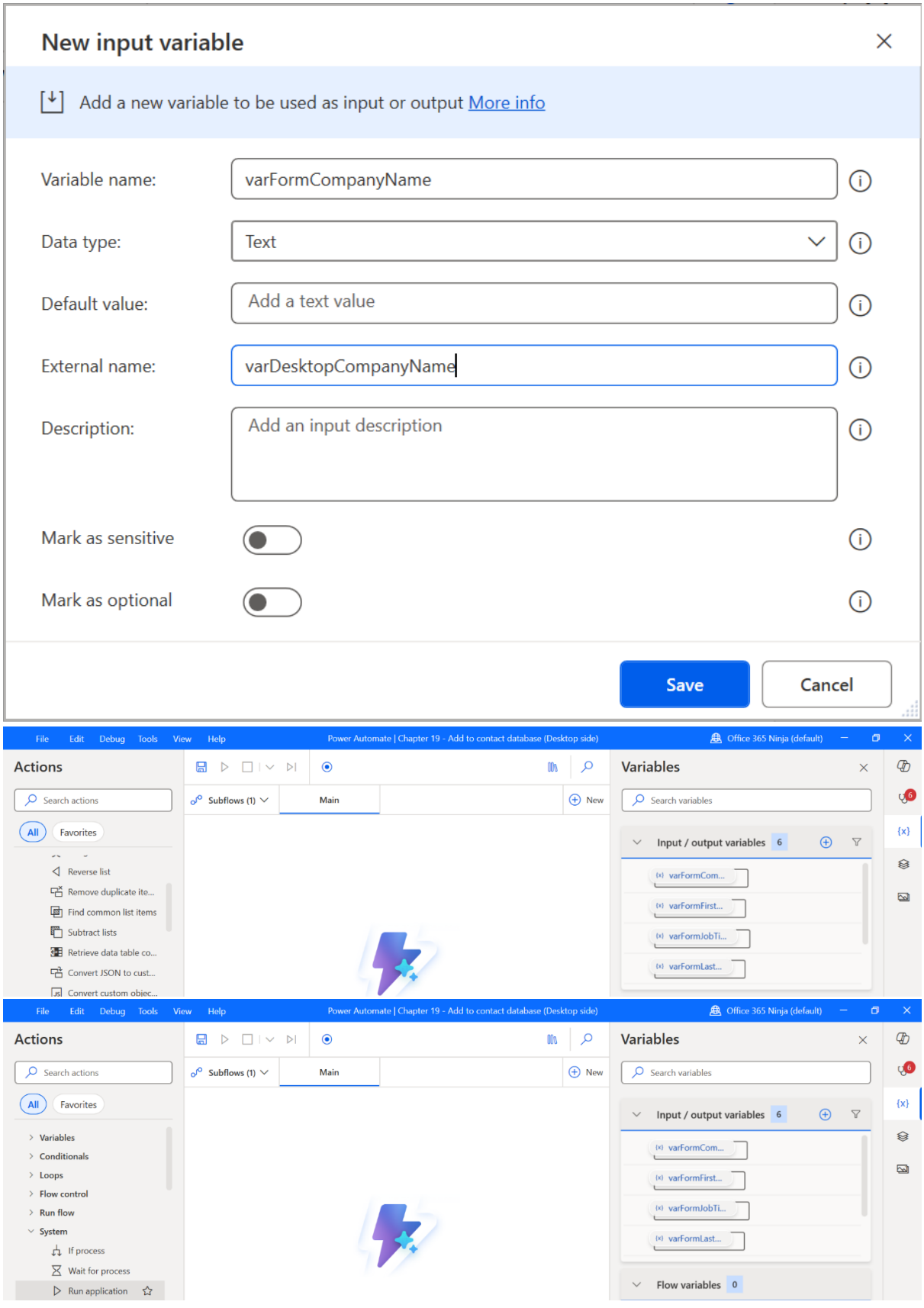

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Get response details
Parameters
Settings
Code view
Testing
About
Form Id *
Customer Data Intake
Response Id *
Response Id
When a new response is submitted
Get response details

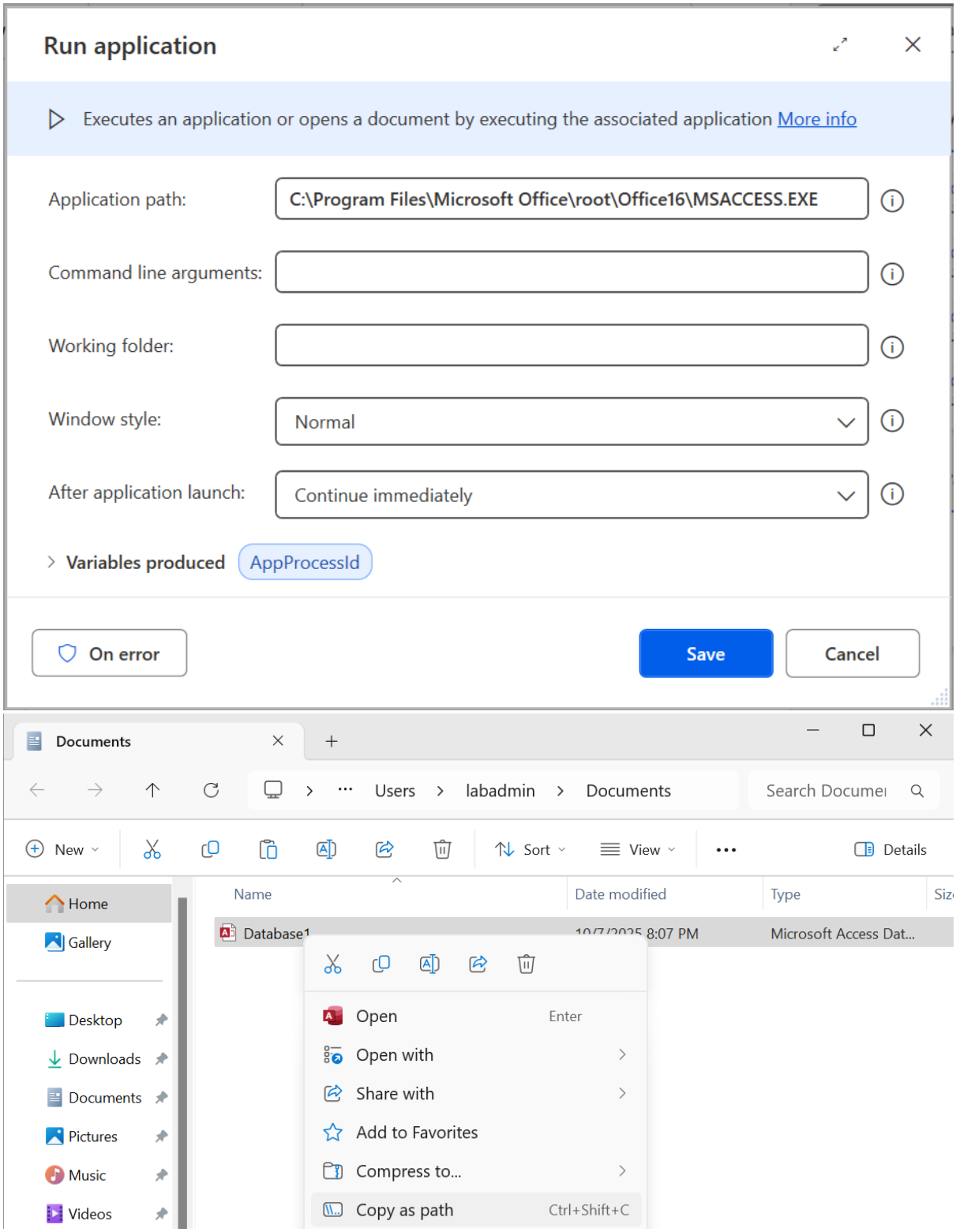

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Add an action
Run a flow built
All
Built-in
Standard
Premium
Custom
Desktop flows
See more
Run a flow built with Power ...
response is submitted
Get response details

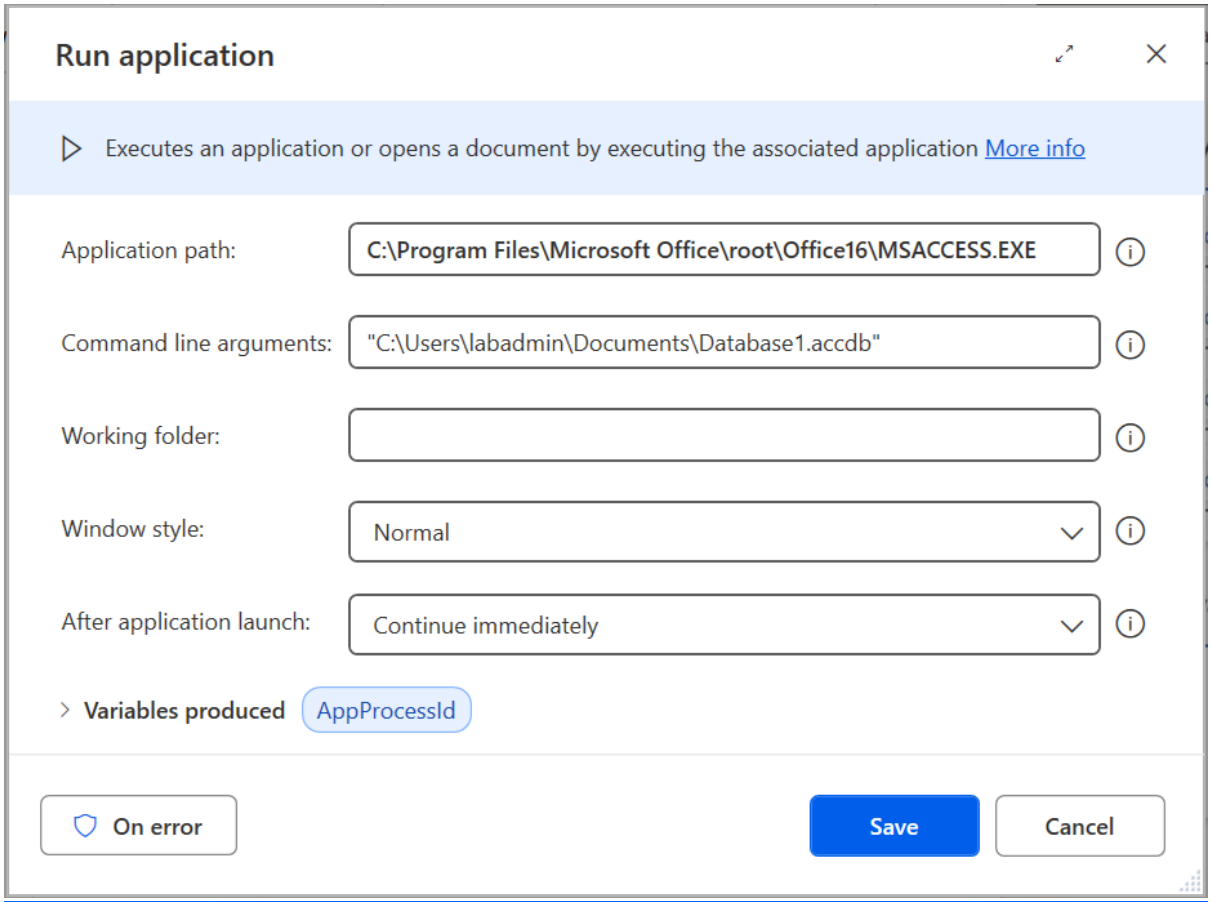

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Create connection
Run a flow built with Power Automate for desktop
Create a new connection
Search
ECHO
Connection name *
Connect *
Can't find the desired machine or machine group? Please make sure that machine is not in a bad state.
Machine or machine group *
Select an item
Domain and username *
Format as domain\username or username@domain.com
Password *
response is submitted
Get response details
Run a flow built with Power Automate for desktop

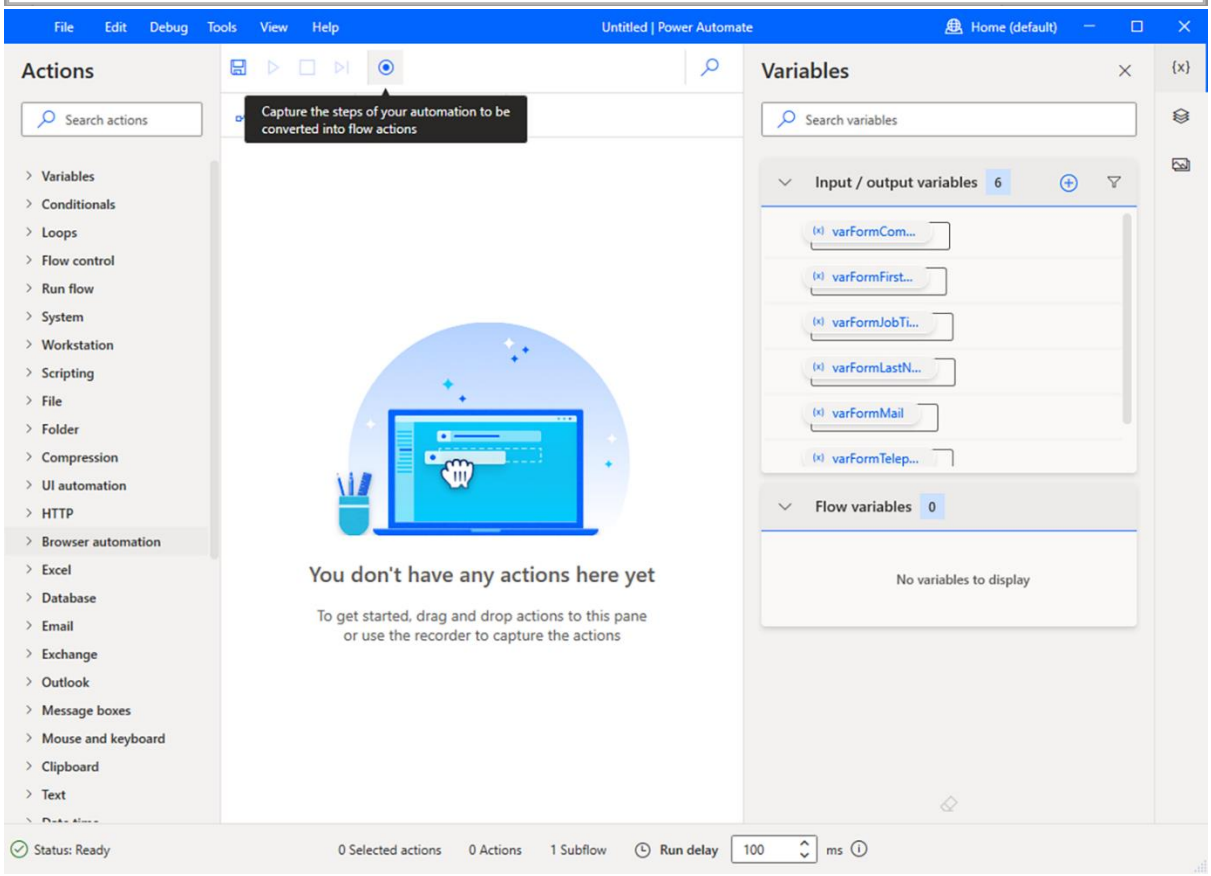

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Run a flow built with Power Automate for desktop
Parameters
Settings
Code view
Testing
About
Desktop flow *
Select an item
Edit
Create a new desktop flow
Create a new desktop flow
Search (minimum 2 characters)
Chapter 07 - Basic desktop flow
Advanced parameters
Showing 0 of 2
Show all
Clear all
Connected to Power Automate Desktop.
Change connection
response is submitted
Get response details
Run a flow built with Power Automate for desktop

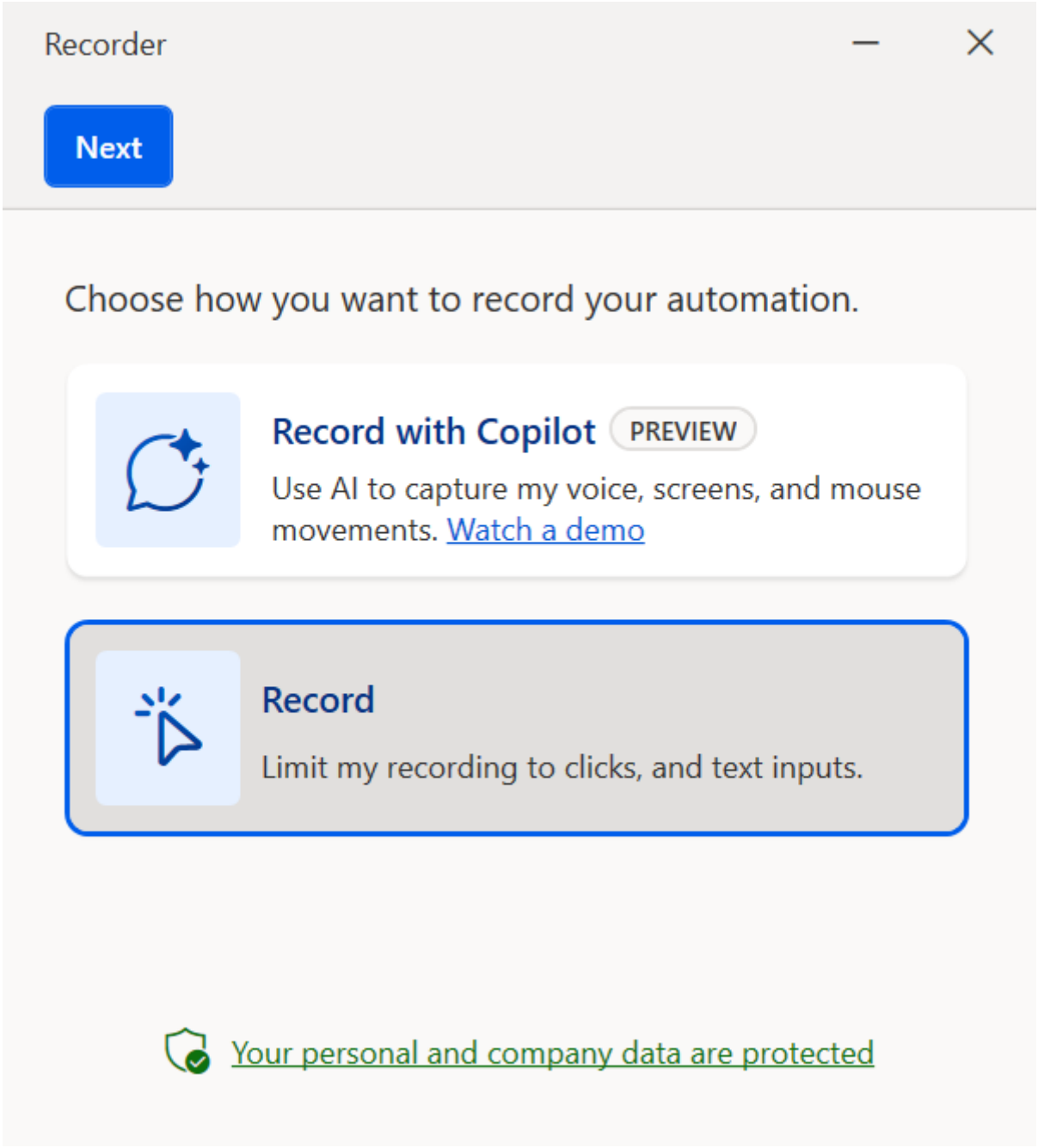

File
Edit
Debug
Tools
View
Help
Power Automate | Chapter 19 - Add to contact database (Desktop side)
Office 365 Ninja (default)
Actions
Search actions
All
Favorites
Reverse list
Remove duplicate ite...
Find common list items
Subtract lists
Retrieve data table co...
Convert JSON to cust...
Convert custom objec...
Add item to list
Create new list
Subflows (1)
Main
New
You don't have any actions here yet
Variables
Search variables
Input / output variables
0
There aren't any input or output variables here yet
Flow variables
0
No variables to display

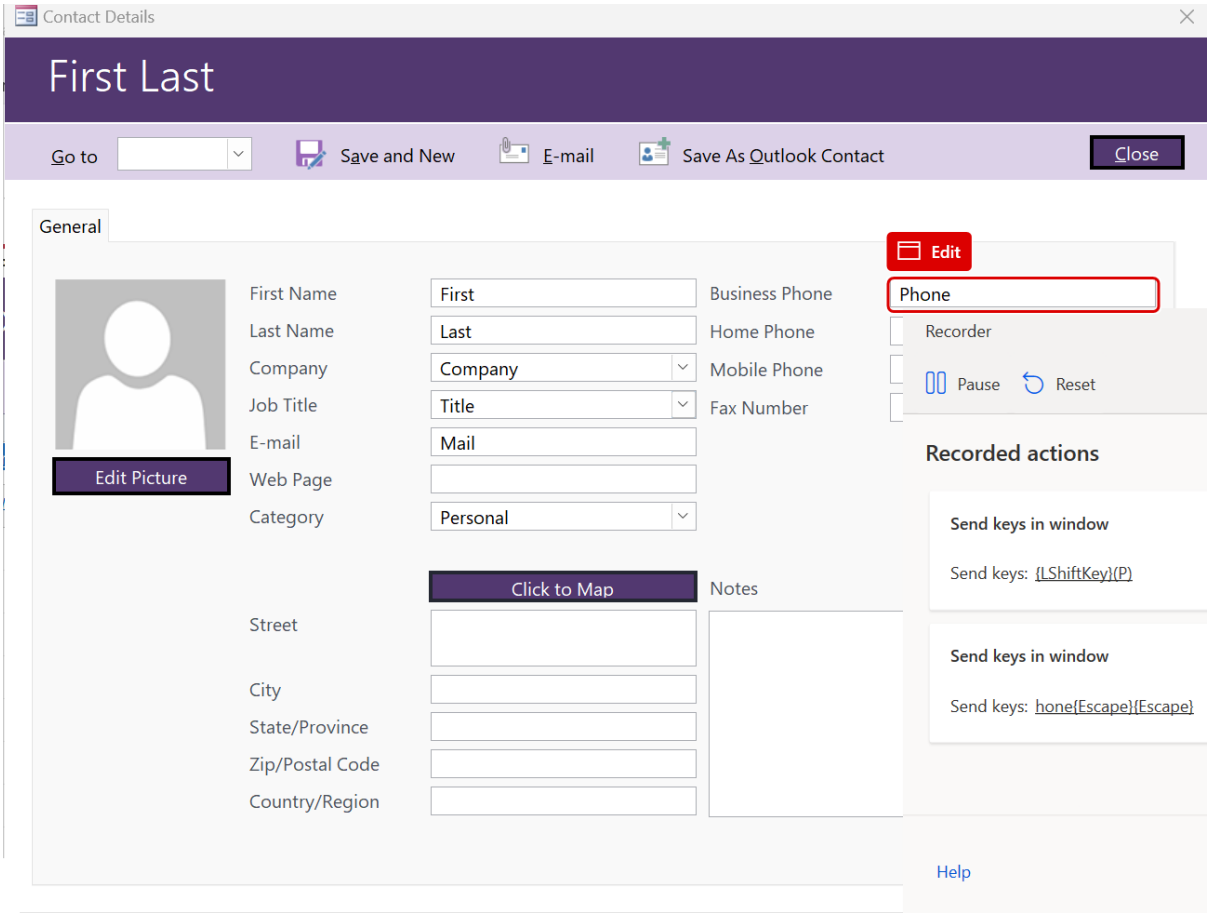

New input variable
Add a new variable to be used as input or output More info
Variable name:
varFormCompanyName
Data type:
Text
Default value:
Add a text value
External name:
varDesktopCompanyName
Description:
Add an input description
Mark as sensitive
Mark as optional
Save
Cancel
File Edit Debug Tools View Help
Power Automate | Chapter 19 - Add to contact database (Desktop side)
Office 365 Ninja (default)
Actions
Search actions
All
Favorites
Reverse list
Remove duplicate ite...
Find common list items
Subtract lists
Retrieve data table co...
Convert JSON to cust...
Subflows (1)
Main
New
Variables
Search variables
Input / output variables 6
varFormCom...
varFormFirst...
varFormJobTi...
varFormLast...
Variables
Conditionals
Loops
Flow control
Run flow
System
If process
Wait for process
Run application
Flow variables 0

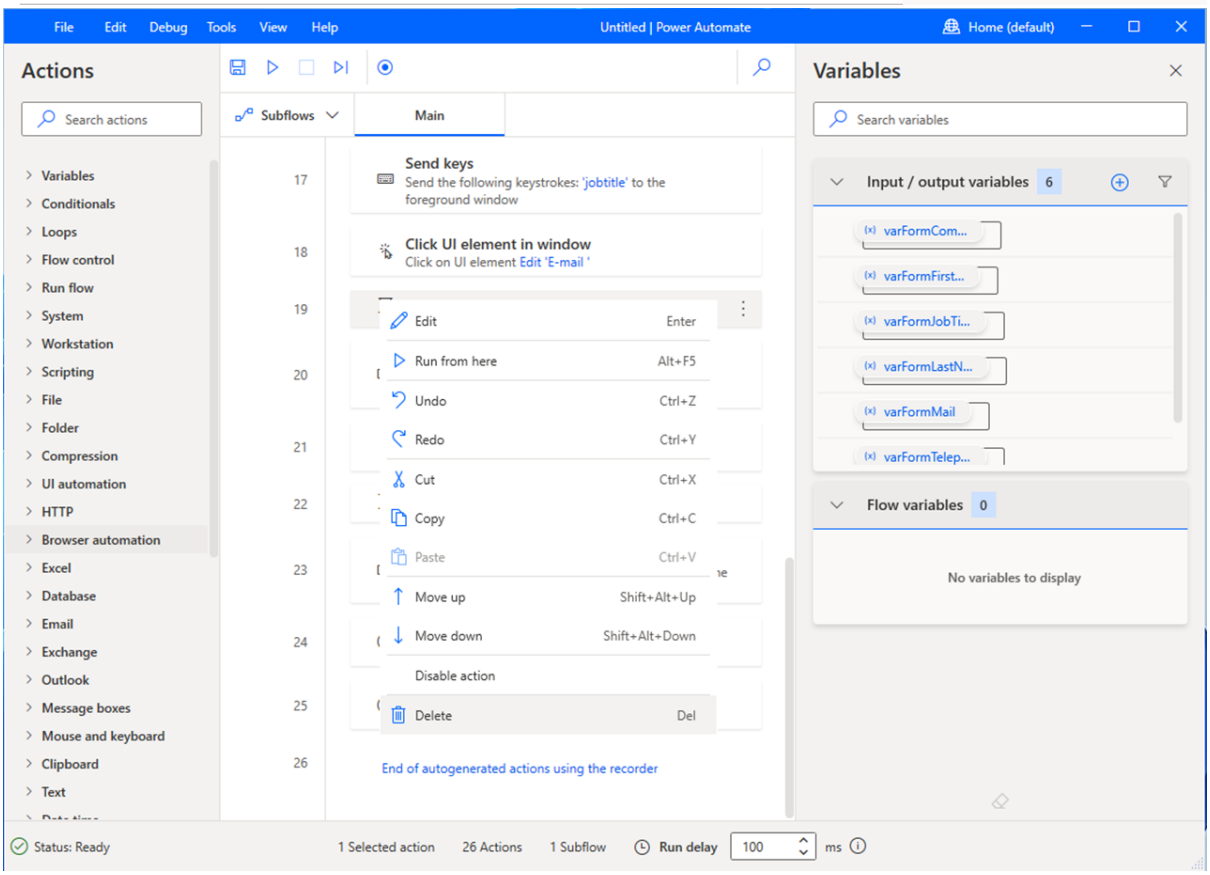

Run application
Executes an application or opens a document by executing the associated application More info
Application path:
C:\Program Files\Microsoft Office\root\Office16\MSACCESS.EXE
Command line arguments:
Working folder:
Window style:
Normal
After application launch:
Continue immediately
Variables produced
AppProcessId
On error
Save
Cancel
Documents
Users
labadmin
Documents
Search Documer
New
Sort
View
Details
Home
Gallery
Desktop
Downloads
Documents
Pictures
Music
Videos
Name
Date modified
Type
Database1
8:07 PM
Microsoft Access Dat...
Open
Enter
Open with
Share with
Add to Favorites
Compress to...
Copy as path
Ctrl+Shift+C

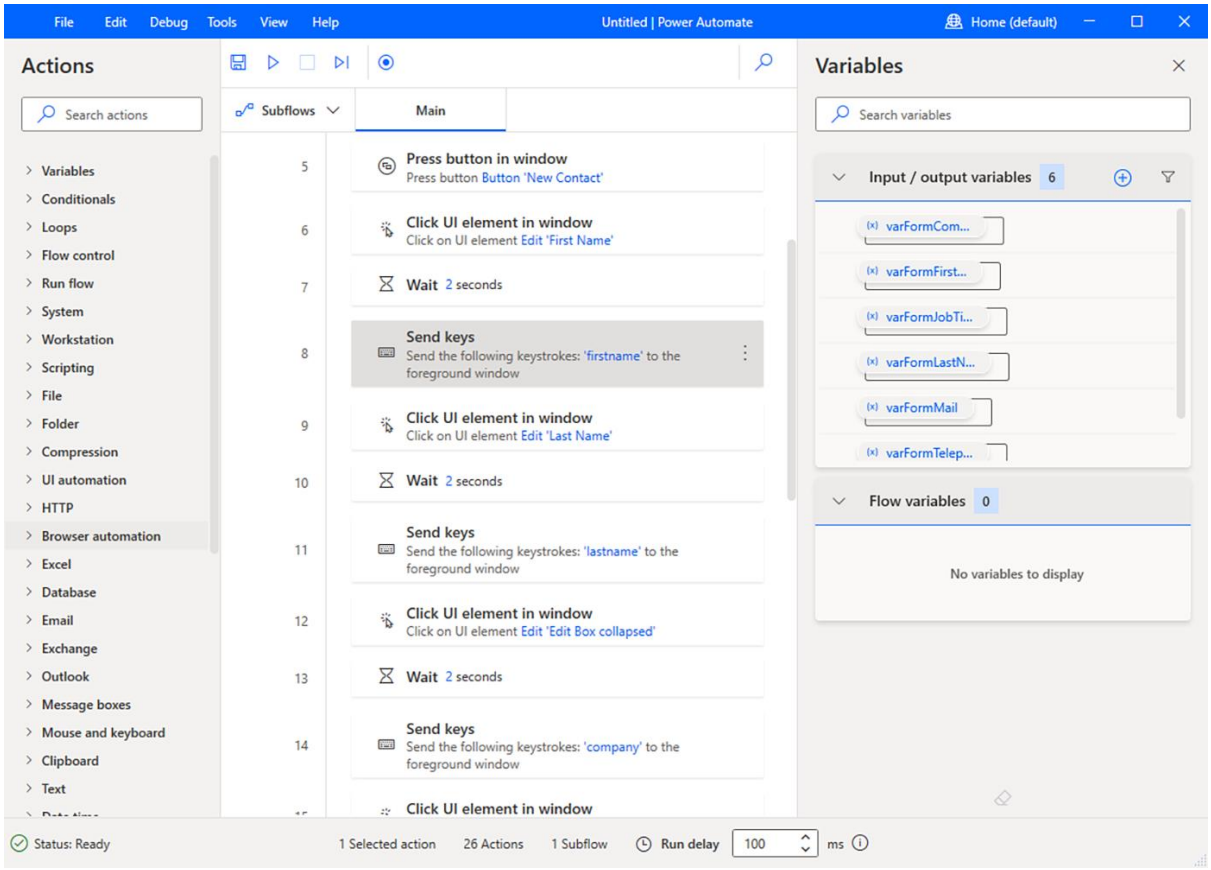

Run application
Executes an application or opens a document by executing the associated application More info
Application path:
C:\Program Files\Microsoft Office\root\Office16\MSACCESS.EXE
Command line arguments:
"C:\Users\labadmin\Documents\Database1.accdb"
Working folder:
Window style:
Normal
After application launch:
Continue immediately
Variables produced
AppProcessId
On error
Save
Cancel

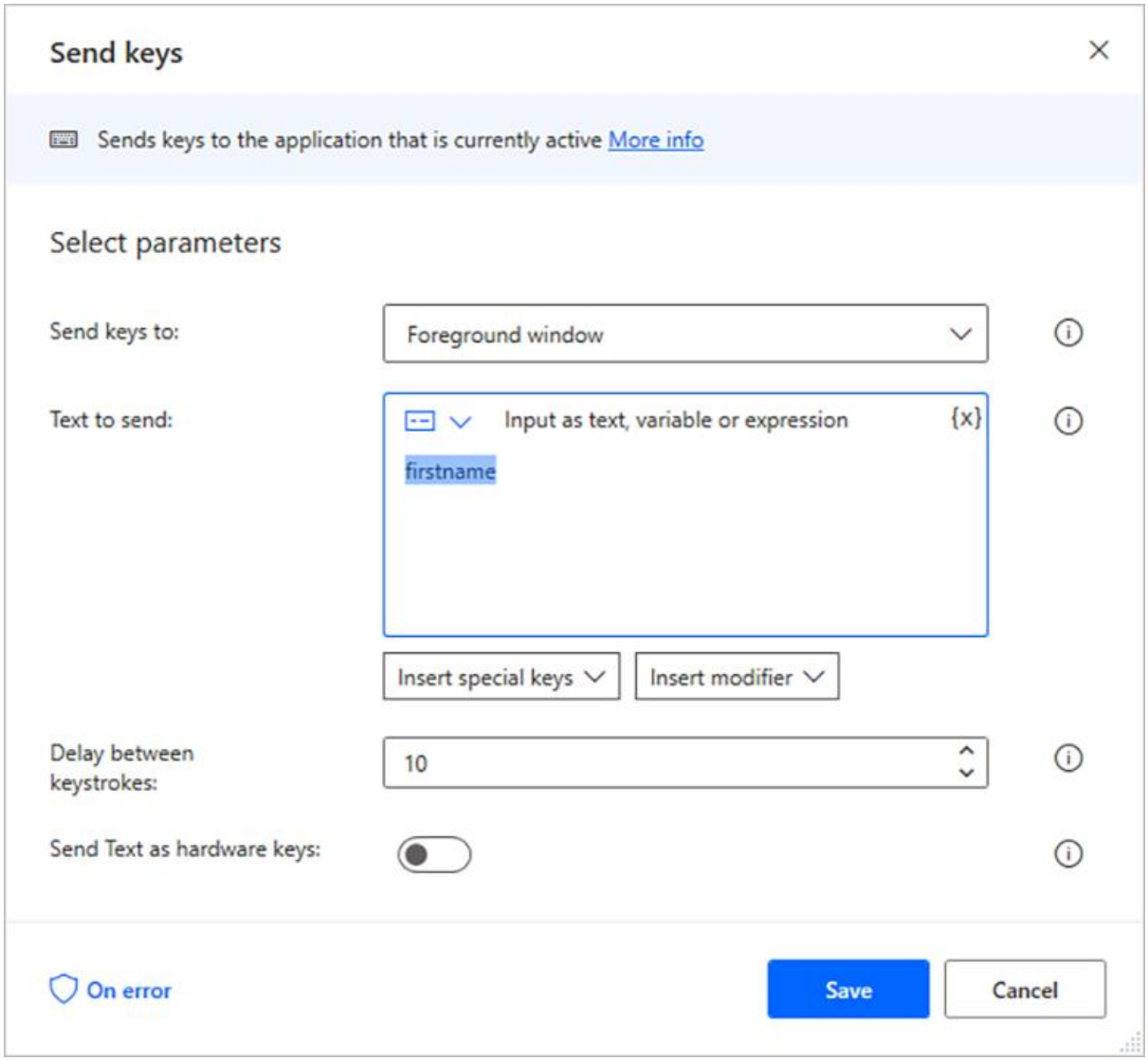

File
Edit
Debug
Tools
View
Help
Untitled | Power Automate
Home (default)
Actions
Search actions
Capture the steps of your automation to be converted into flow actions
Variables
Conditionals
Loops
Flow control
Run flow
System
Workstation
Scripting
File
Folder
Compression
UI automation
HTTP
Browser automation
Excel
Database
Email
Exchange
Outlook
Message boxes
Mouse and keyboard
Clipboard
Text
You don't have any actions here yet
To get started, drag and drop actions to this pane or use the recorder to capture the actions
Variables
Search variables
Input / output variables 6
varFormCom...
varFormFirst...
varFormJobTi...
varFormLastN...
varFormMail
varFormTelep...
Flow variables 0
No variables to display
Status: Ready
0 Selected actions
0 Actions
1 Subflow
Run delay
100
ms

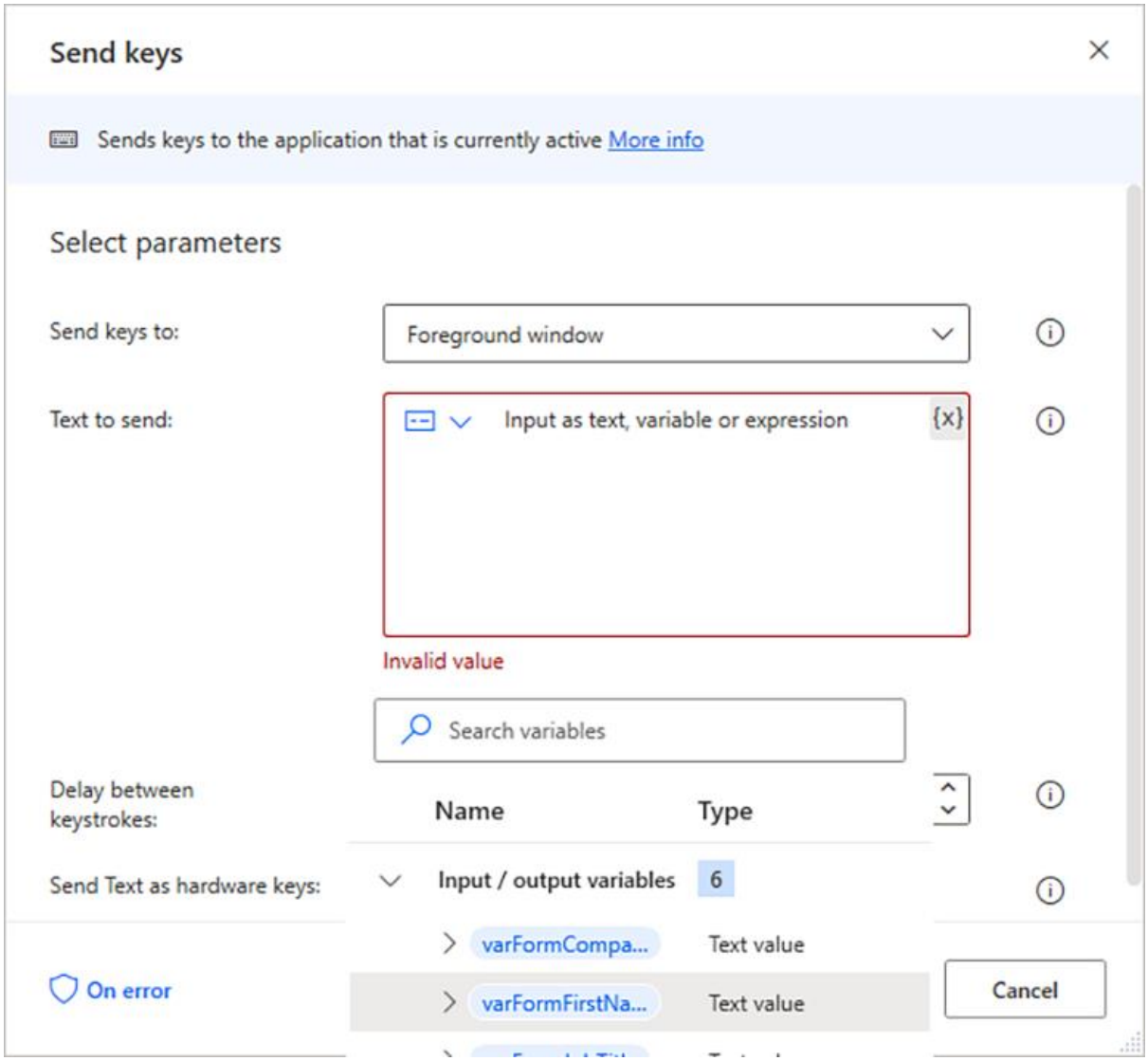

Recorder
Next
Choose how you want to record your automation.
Record with Copilot
PREVIEW
Use AI to capture my voice, screens, and mouse movements. Watch a demo
Record
Limit my recording to clicks, and text inputs.
Your personal and company data are protected

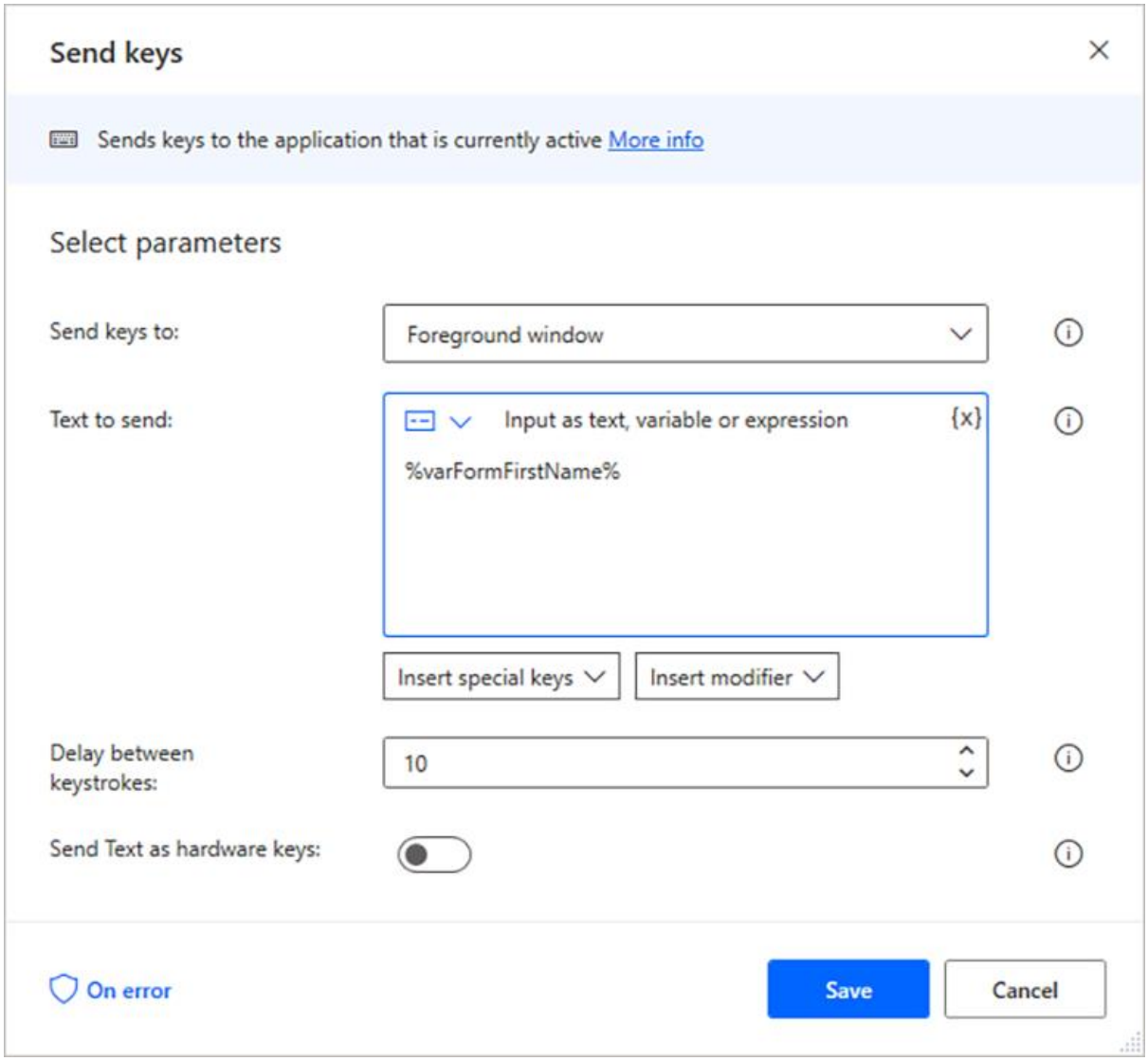

Contact Details
First Last
Go to
Save and New
E-mail
Save As Outlook Contact
Close
General
Edit Picture
First Name
First
Last Name
Last
Company
Company
Job Title
Title
E-mail
Mail
Web Page
Category
Personal
Business Phone
Phone
Home Phone
Mobile Phone
Fax Number
Click to Map
Notes
Street
City
State/Province
Zip/Postal Code
Country/Region
Edit
Recorder
Pause
Reset
Recorded actions
Send keys in window
Send keys: {LShiftKey}(P)
Send keys in window
Send keys: hone{Escape}{Escape}
Help

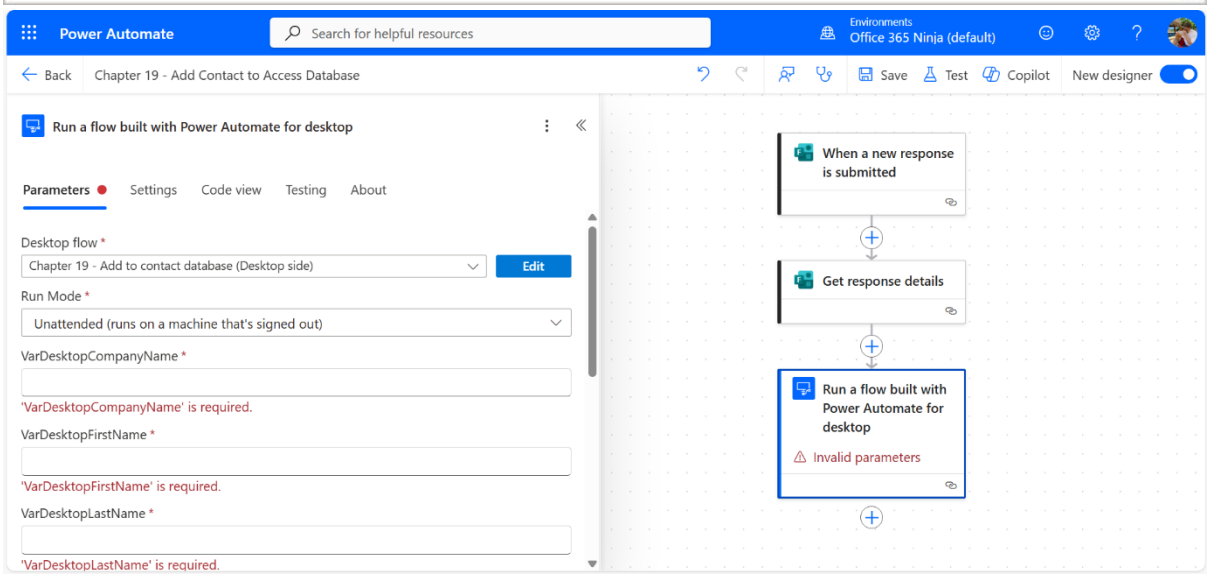

File
Edit
Debug
Tools
View
Help
Untitled | Power Automate
Home (default)
Actions
Search actions
Variables
Conditionals
Loops
Flow control
Run flow
System
Workstation
Scripting
File
Folder
Compression
UI automation
HTTP
Browser automation
Excel
Database
Email
Exchange
Outlook
Message boxes
Mouse and keyboard
Clipboard
Text
Subflows
Main
17
Send keys
Send the following keystrokes: 'jobtitle' to the foreground window
18
Click UI element in window
Click on UI element Edit 'E-mail '
19
Edit Enter
20
Run from here Alt+F5
Undo Ctrl+Z
21
Redo Ctrl+Y
22
Cut Ctrl+X
Copy Ctrl+C
23
Paste Ctrl+V
Move up Shift+Alt+Up
24
Move down Shift+Alt+Down
Disable action
25
Delete Del
26
End of autogenerated actions using the recorder
Variables
Search variables
Input / output variables 6
varFormCom...
varFormFirst...
varFormJobTi...
varFormLastN...
varFormMail
varFormTelep...
Flow variables 0
No variables to display
Status: Ready
1 Selected action
26 Actions
1 Subflow
Run delay
100
ms

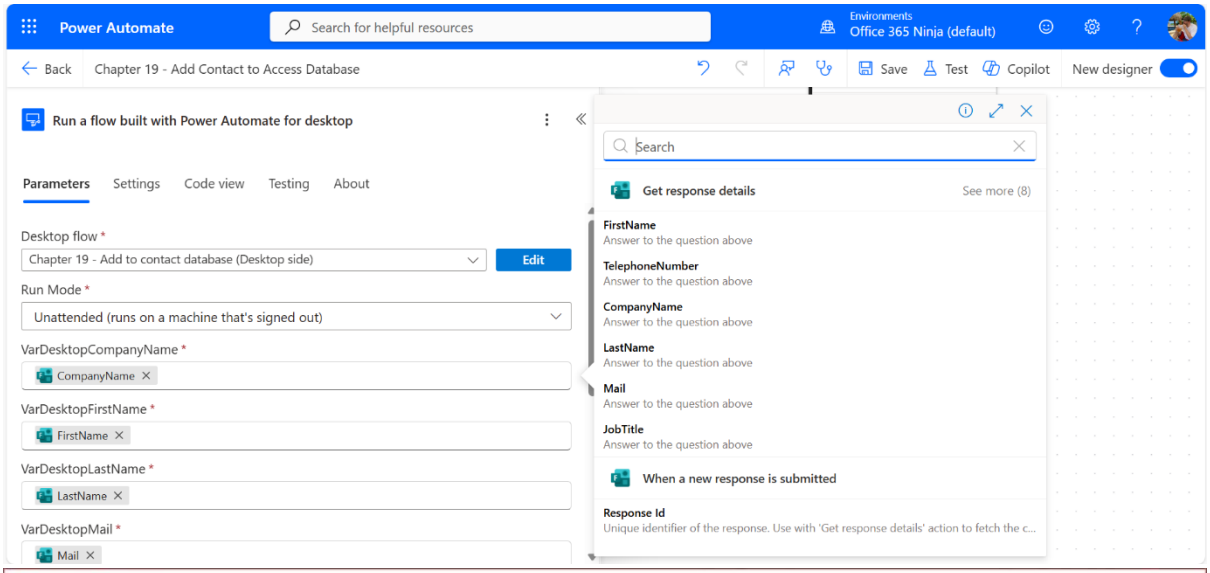

File
Edit
Debug
Tools
View
Help
Untitled | Power Automate
Home (default)
Actions
Search actions
Variables
Conditionals
Loops
Flow control
Run flow
System
Workstation
Scripting
File
Folder
Compression
UI automation
HTTP
Browser automation
Excel
Database
Email
Exchange
Outlook
Message boxes
Mouse and keyboard
Clipboard
Text
Subflows
Main
5 Press button in window
Press button Button 'New Contact'
6 Click UI element in window
Click on UI element Edit 'First Name'
7 Wait 2 seconds
8 Send keys
Send the following keystrokes: 'firstname' to the foreground window
9 Click UI element in window
Click on UI element Edit 'Last Name'
10 Wait 2 seconds
11 Send keys
Send the following keystrokes: 'lastname' to the foreground window
12 Click UI element in window
Click on UI element Edit 'Edit Box collapsed'
13 Wait 2 seconds
14 Send keys
Send the following keystrokes: 'company' to the foreground window
Click UI element in window
Variables
Search variables
Input / output variables 6
varFormCom...
varFormFirst...
varFormJobTi...
varFormLastN...
varFormMail
varFormTelep...
Flow variables 0
No variables to display
Status: Ready
1 Selected action
26 Actions
1 Subflow
Run delay
100
ms

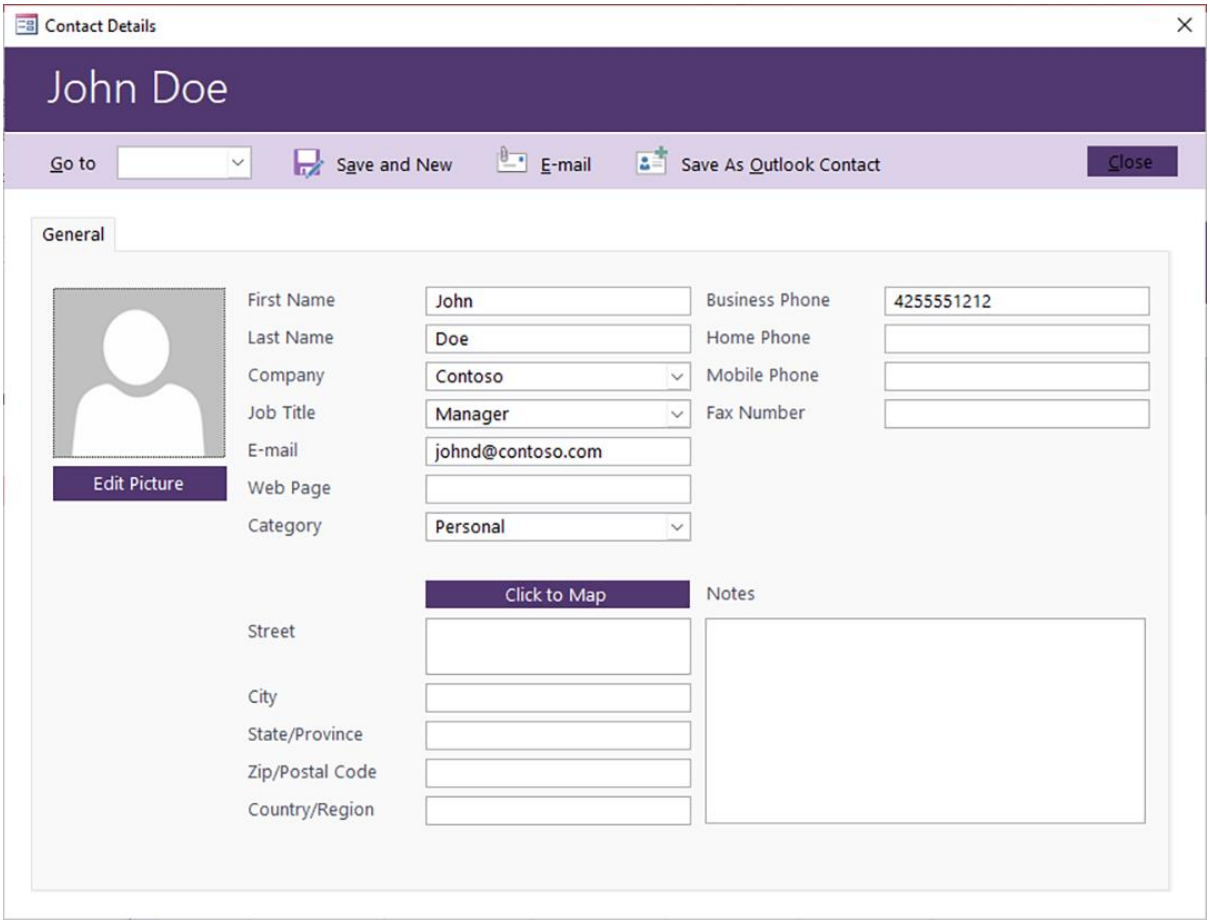

Send keys
Sends keys to the application that is currently active More info
Select parameters
Send keys to:
Foreground window
Text to send:
Input as text, variable or expression
{x}
firstname
Insert special keys
Insert modifier
Delay between keystrokes:
10
Send Text as hardware keys:
On error
Save
Cancel

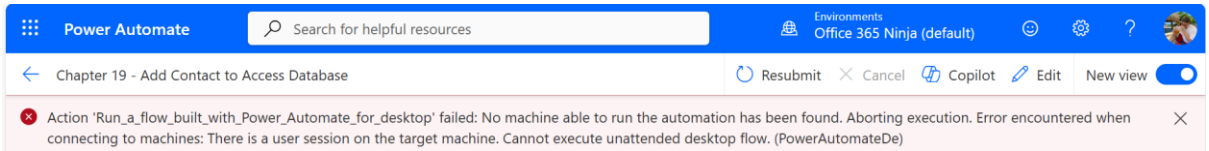

Send keys
Sends keys to the application that is currently active More info
Select parameters
Send keys to:
Foreground window
Text to send:
Input as text, variable or expression
{x}
Invalid value
Search variables
Delay between keystrokes:
Name
Type
Send Text as hardware keys:
Input / output variables
6
varFormCompa...
Text value
varFormFirstNa...
Text value
On error
Cancel

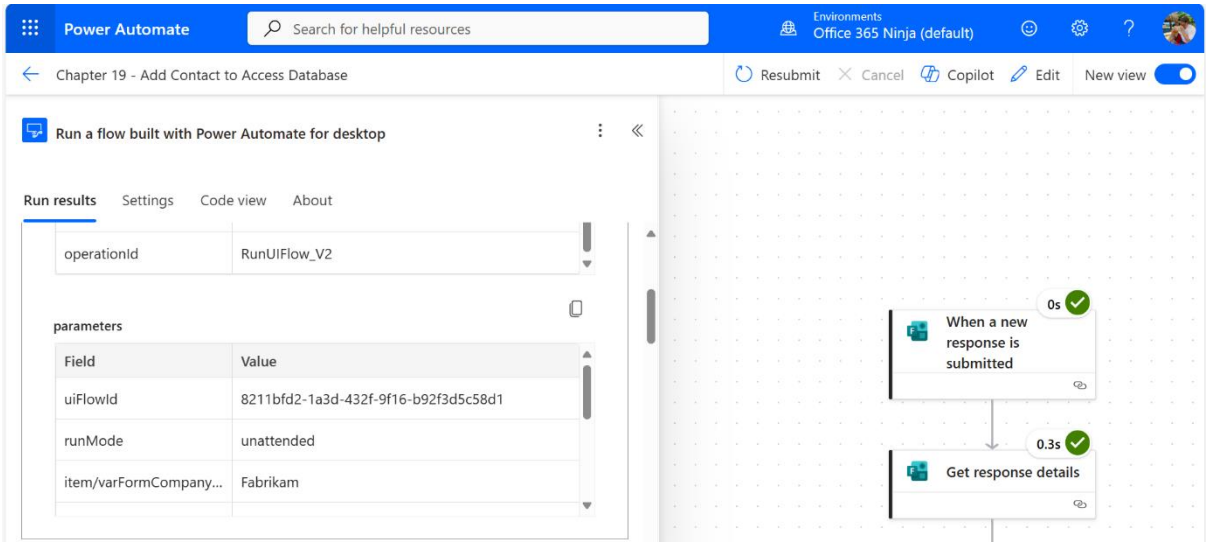

Send keys
Sends keys to the application that is currently active More info
Select parameters
Send keys to:
Foreground window
Text to send:
Input as text, variable or expression
{x}
%varFormFirstName%
Insert special keys
Insert modifier
Delay between keystrokes:
10
Send Text as hardware keys:
On error
Save
Cancel


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Run a flow built with Power Automate for desktop
Parameters
Settings
Code view
Testing
About
Desktop flow *
Chapter 19 - Add to contact database (Desktop side)
Edit
Run Mode *
Unattended (runs on a machine that's signed out)
VarDesktopCompanyName *
'VarDesktopCompanyName' is required.
VarDesktopFirstName *
'VarDesktopFirstName' is required.
VarDesktopLastName *
'VarDesktopLastName' is required.
When a new response is submitted
Get response details
Run a flow built with Power Automate for desktop
Invalid parameters

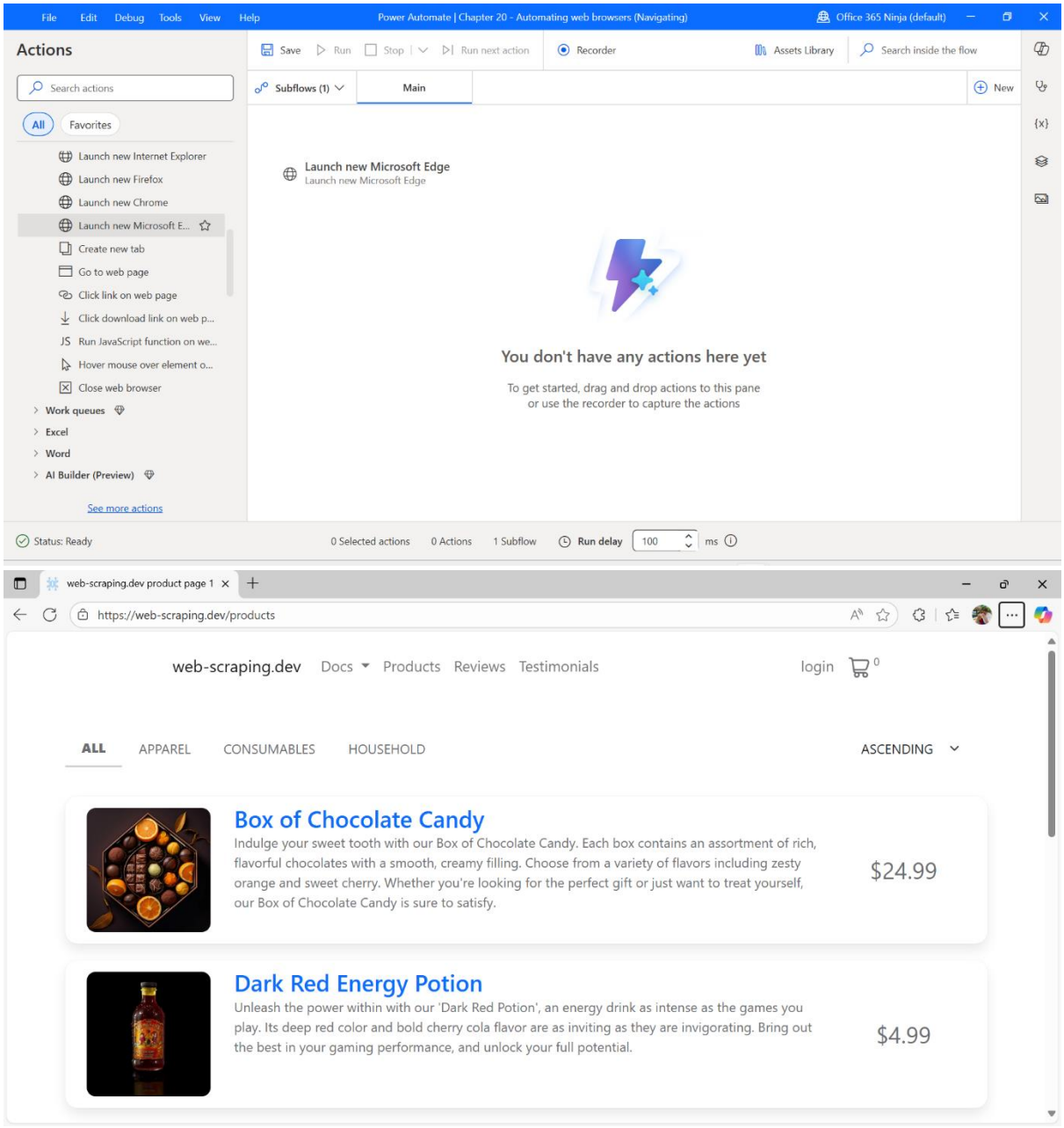

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 19 - Add Contact to Access Database
Save
Test
Copilot
New designer
Run a flow built with Power Automate for desktop
Parameters
Settings
Code view
Testing
About
Desktop flow *
Chapter 19 - Add to contact database (Desktop side)
Edit
Run Mode *
Unattended (runs on a machine that's signed out)
VarDesktopCompanyName *
CompanyName
VarDesktopFirstName *
FirstName
VarDesktopLastName *
LastName
VarDesktopMail *
Mail
Search
Get response details
See more (8)
FirstName
Answer to the question above
TelephoneNumber
Answer to the question above
CompanyName
Answer to the question above
LastName
Answer to the question above
Mail
Answer to the question above
JobTitle
Answer to the question above
When a new response is submitted
Response Id
Unique identifier of the response. Use with 'Get response details' action to fetch the c...

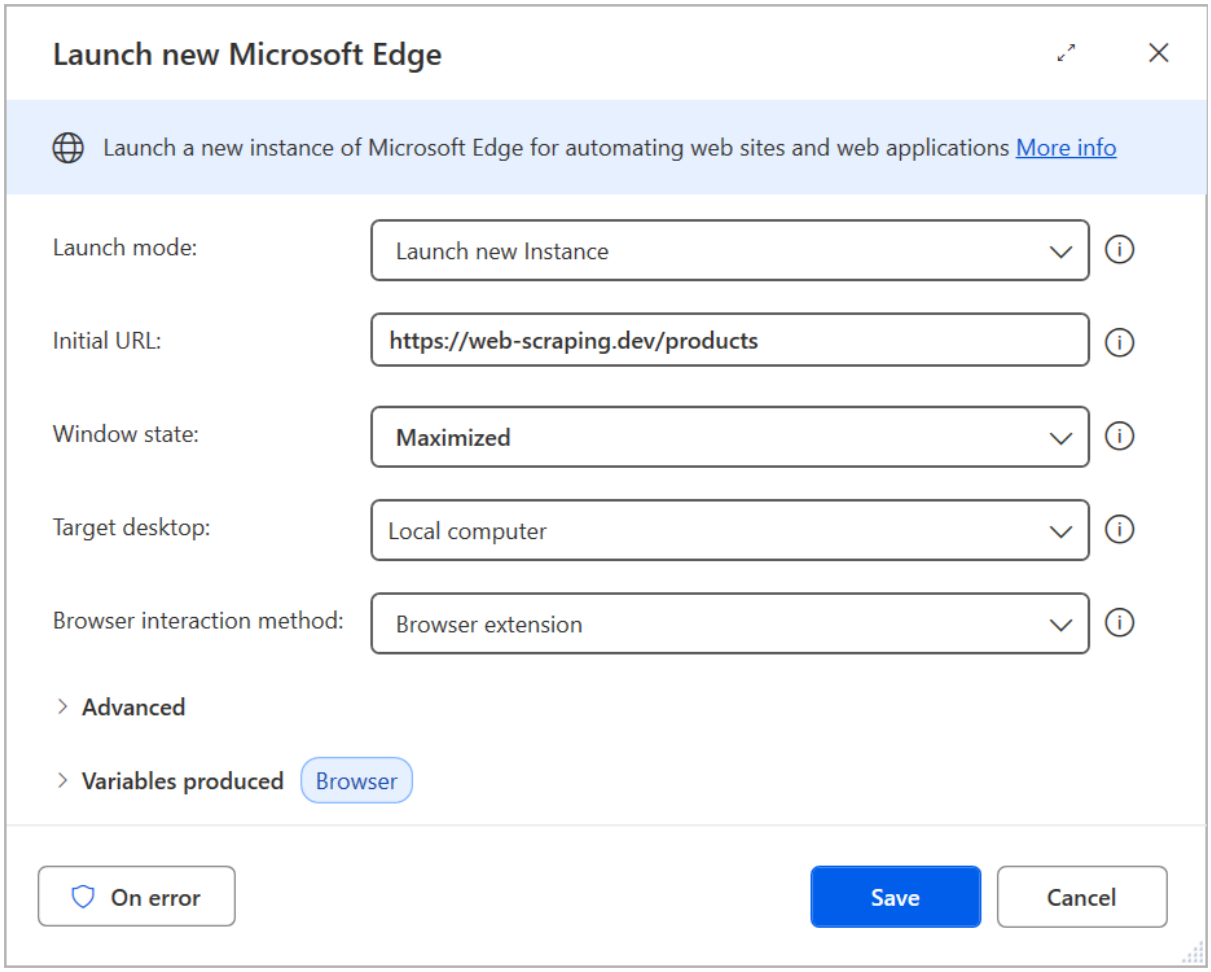

Contact Details
John Doe
Go to
Save and New
E-mail
Save As Outlook Contact
Close
General
First Name
John
Last Name
Doe
Company
Contoso
Job Title
Manager
E-mail
johnd@contoso.com
Web Page
Category
Personal
Edit Picture
Business Phone
4255551212
Home Phone
Mobile Phone
Fax Number
Click to Map
Notes
Street
City
State/Province
Zip/Postal Code
Country/Region

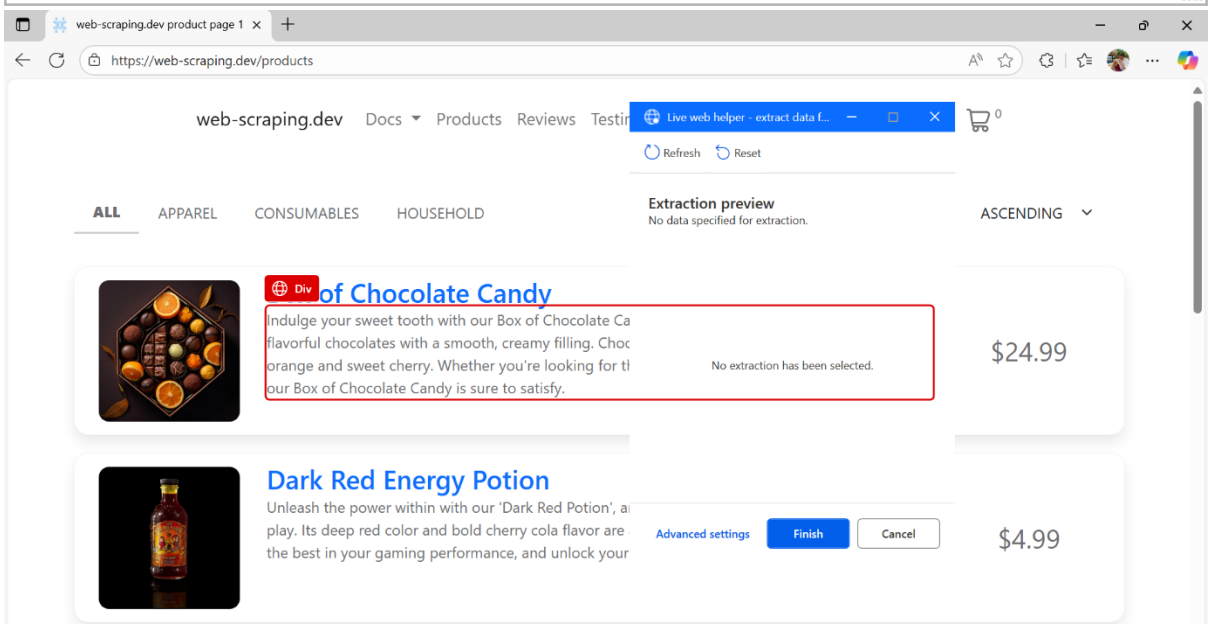

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Chapter 19 - Add Contact to Access Database
Resubmit
Cancel
Copilot
Edit
New view
Action 'Run_a_flow_built_with_Power_Automate_for_desktop' failed: No machine able to run the automation has been found. Aborting execution. Error encountered when connecting to machines: There is a user session on the target machine. Cannot execute unattended desktop flow. (PowerAutomateDe)

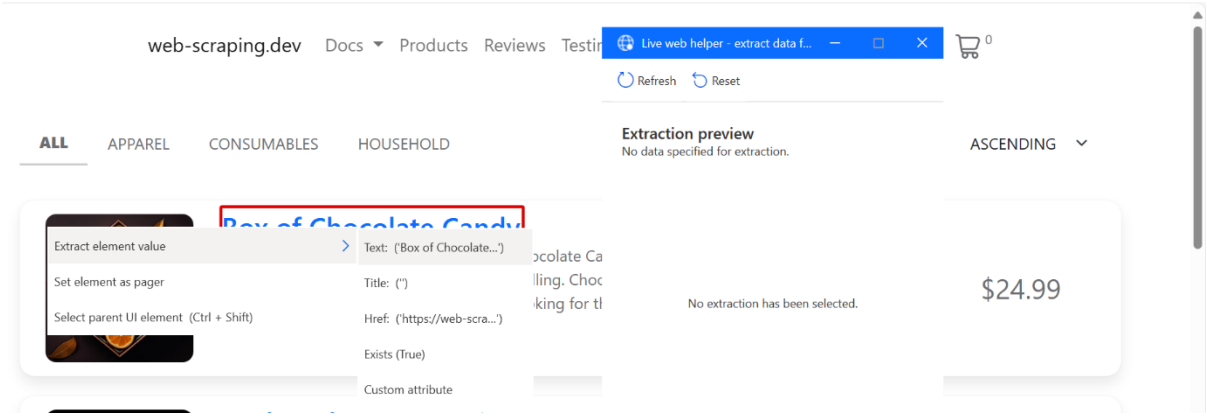

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Chapter 19 - Add Contact to Access Database
Resubmit
Cancel
Copilot
Edit
New view
Run a flow built with Power Automate for desktop
Run results
Settings
Code view
About
operationId
RunUIFlow_V2
parameters
Field
Value
uiFlowId
8211bfd2-1a3d-432f-9f16-b92f3d5c58d1
runMode
unattended
item/varFormCompany...
Fabrikam
0s
When a new response is submitted
0.3s
Get response details

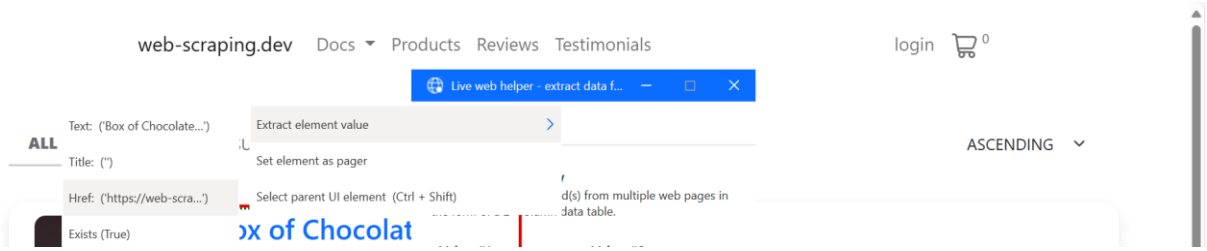
# Chapter 20: Automating Web Pages with RPA

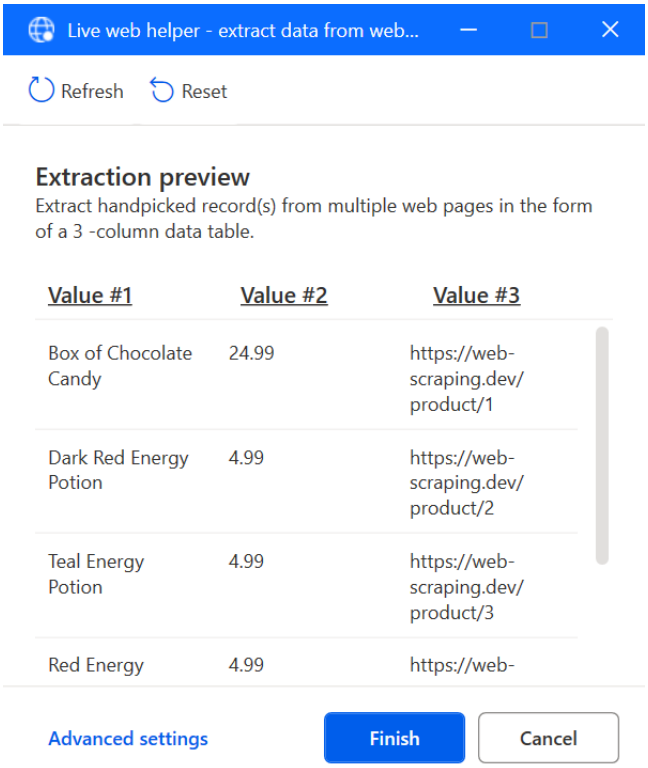


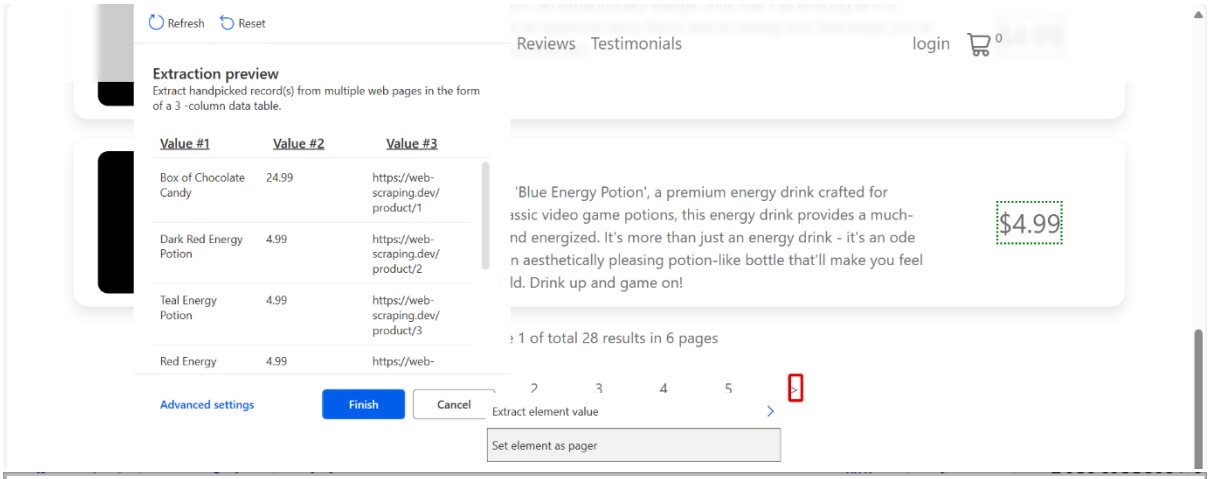

Launch new Microsoft Edge
Launch a new instance of Microsoft Edge for automating web sites and web applications More info
Launch mode:
Launch new Instance
Initial URL:
https://web-scraping.dev/products
Window state:
Maximized
Target desktop:
Local computer
Browser interaction method:
Browser extension
Advanced
Variables produced
Browser
On error
Save
Cancel

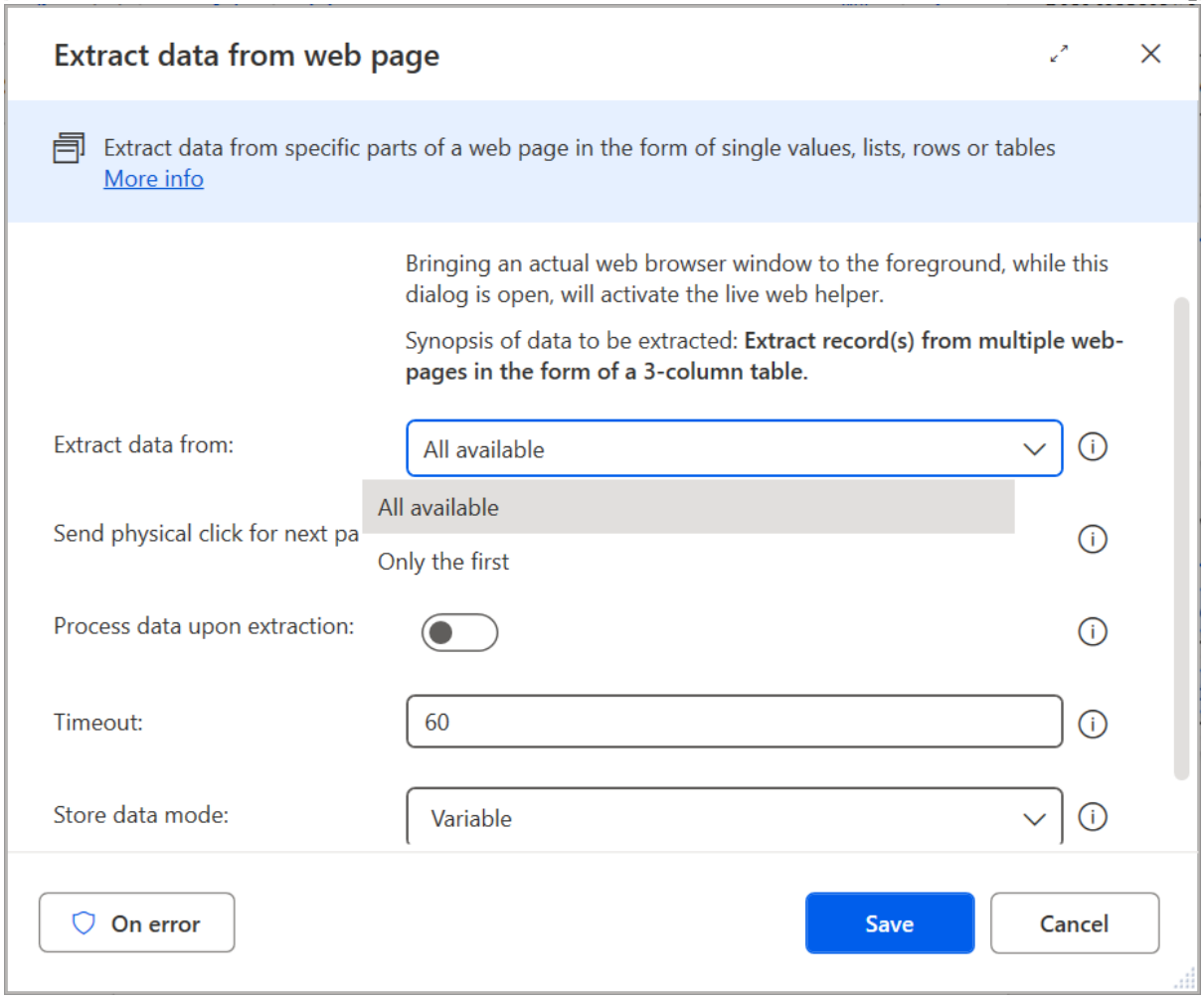

web-scraping.dev product page 1
https://web-scraping.dev/products
web-scraping.dev
Docs
Products
Reviews
Live web helper - extract data f...
Refresh
Reset
ALL
APPAREL
CONSUMABLES
HOUSEHOLD
Extraction preview
No data specified for extraction.
ASCENDING
Div
of Chocolate Candy
Indulge your sweet tooth with our Box of Chocolate Ca
flavorful chocolates with a smooth, creamy filling. Choc
orange and sweet cherry. Whether you're looking for th
our Box of Chocolate Candy is sure to satisfy.
No extraction has been selected.
$24.99
Dark Red Energy Potion
Unleash the power within with our 'Dark Red Potion', a
play. Its deep red color and bold cherry cola flavor are
the best in your gaming performance, and unlock your
Advanced settings
Finish
Cancel
$4.99

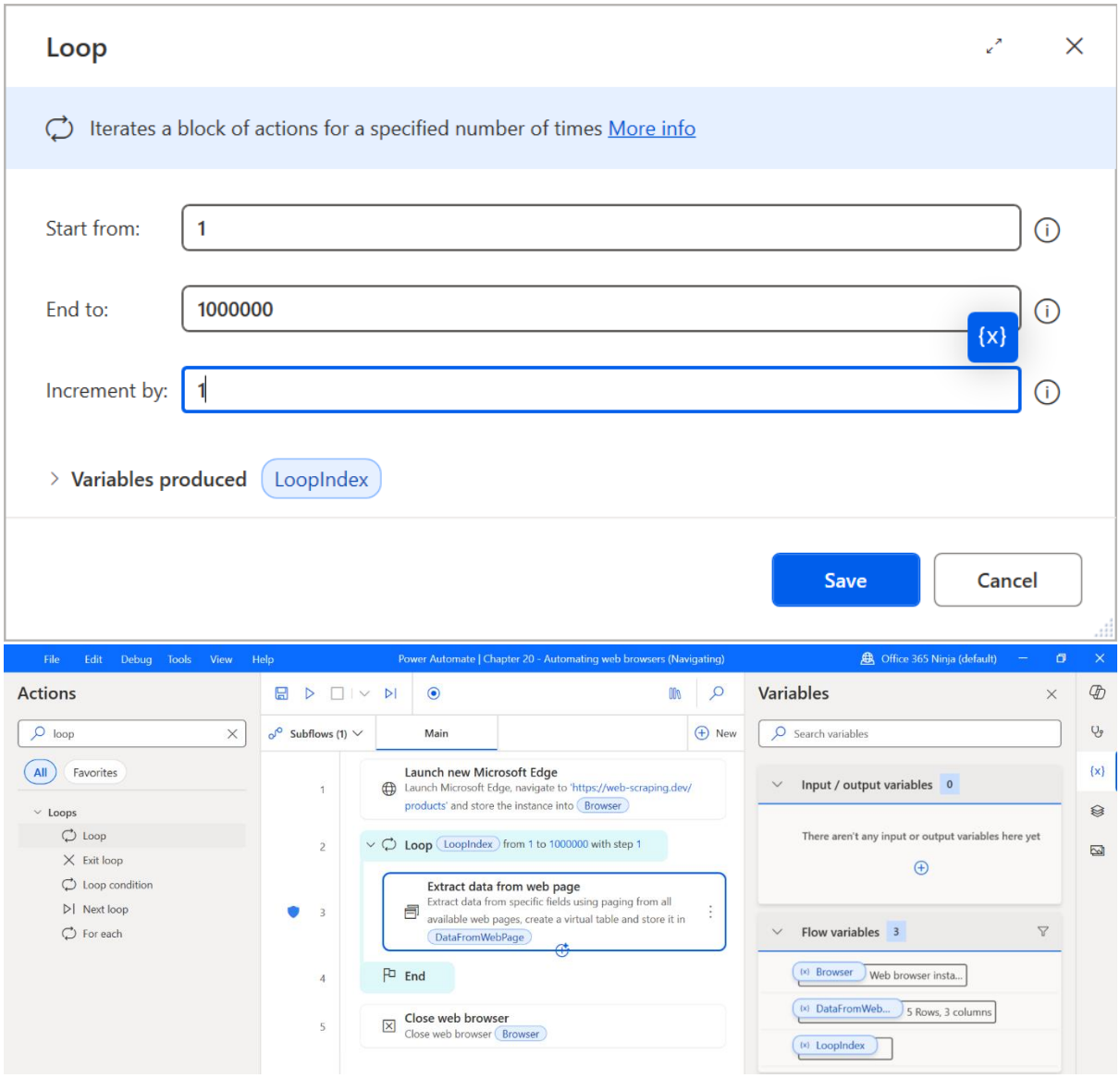

web-scraping.dev
Docs
Products
Reviews
Live web helper - extract data f...
Refresh
Reset
ALL
APPAREL
CONSUMABLES
HOUSEHOLD
Extraction preview
No data specified for extraction.
ASCENDING
Extract element value
Set element as pager
Select parent UI element (Ctrl + Shift)
Text: ('Box of Chocolate...')
Title: ('')
Href: ('https://web-scra...')
Exists (True)
Custom attribute
No extraction has been selected.
$24.99

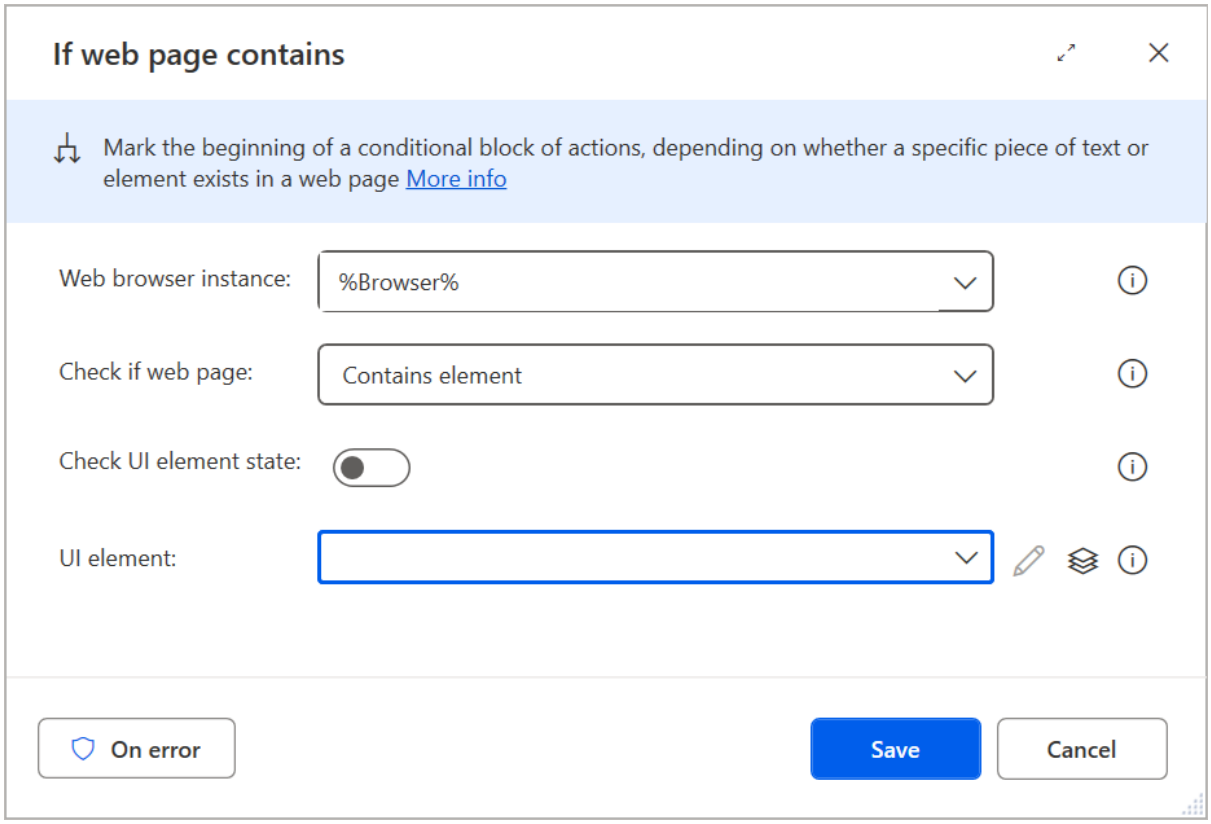

web-scraping.dev
Docs
Products
Reviews
Testimonials
login
Live web helper - extract data f...
Text: ('Box of Chocolate...')
Title: ('')
Href: ('https://web-scra...')
Exists (True)
Extract element value
Set element as pager
Select parent UI element (Ctrl + Shift)
ALL
ASCENDING

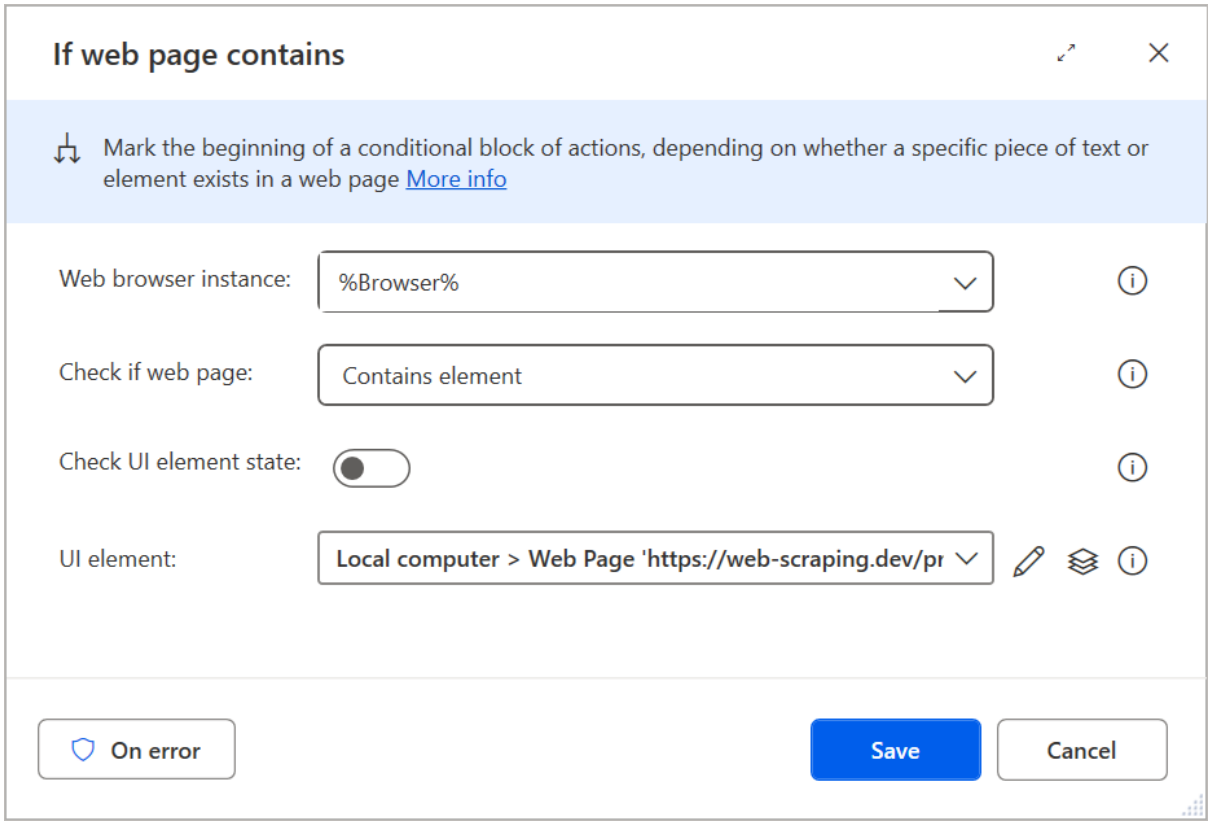

Live web helper - extract data from web...
Refresh
Reset
Extraction preview
Extract handpicked record(s) from multiple web pages in the form of a 3 -column data table.
Value #1
Value #2
Value #3
Box of Chocolate Candy
24.99
https://web-scraping.dev/product/1
Dark Red Energy Potion
4.99
https://web-scraping.dev/product/2
Teal Energy Potion
4.99
https://web-scraping.dev/product/3
Red Energy
4.99
https://web-
Advanced settings
Finish
Cancel

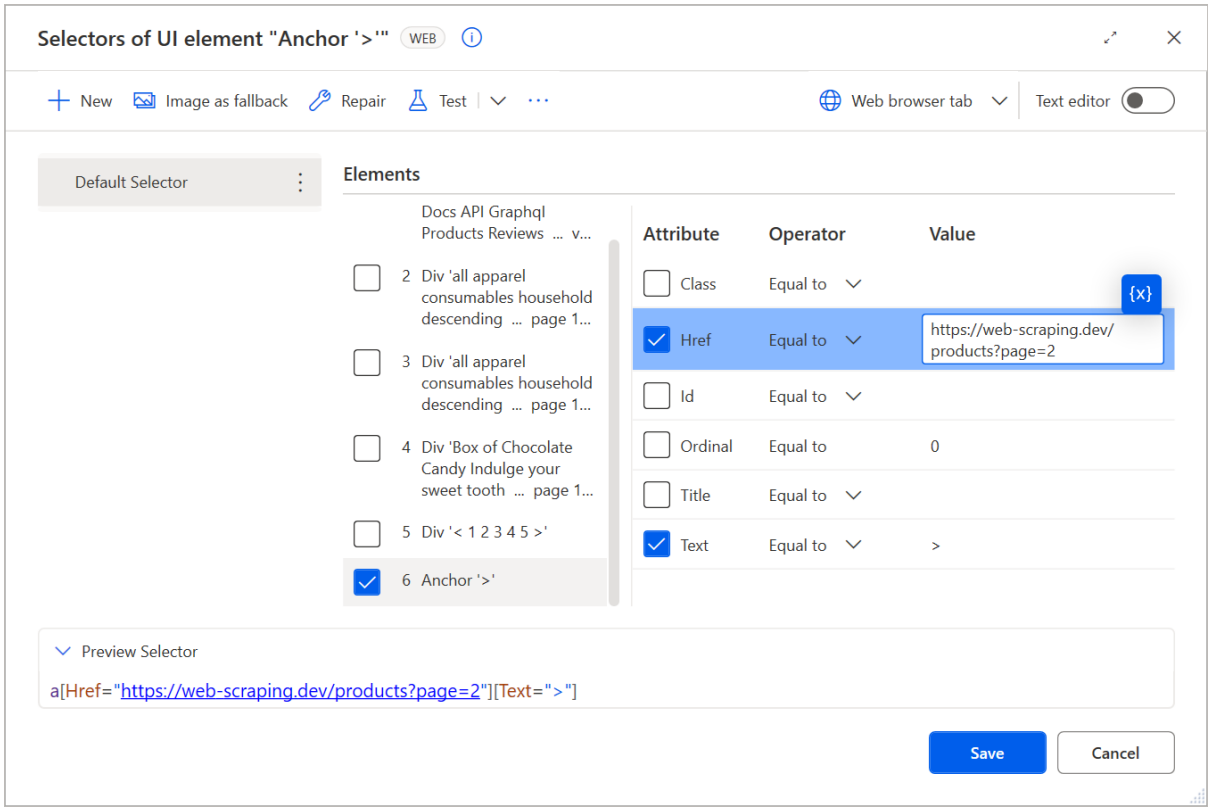

Refresh
Reset
Extraction preview
Extract handpicked record(s) from multiple web pages in the form of a 3 -column data table.
Value #1
Value #2
Value #3
Box of Chocolate Candy
24.99
https://web-scraping.dev/product/1
Dark Red Energy Potion
4.99
https://web-scraping.dev/product/2
Teal Energy Potion
4.99
https://web-scraping.dev/product/3
Red Energy
4.99
https://web-
Advanced settings
Finish
Cancel
Reviews
Testimonials
login
'Blue Energy Potion', a premium energy drink crafted for
ssic video game potions, this energy drink provides a much-
nd energized. It's more than just an energy drink - it's an ode
n aesthetically pleasing potion-like bottle that'll make you feel
ld. Drink up and game on!
$4.99
1 of total 28 results in 6 pages
2
3
4
5
Extract element value
Set element as pager

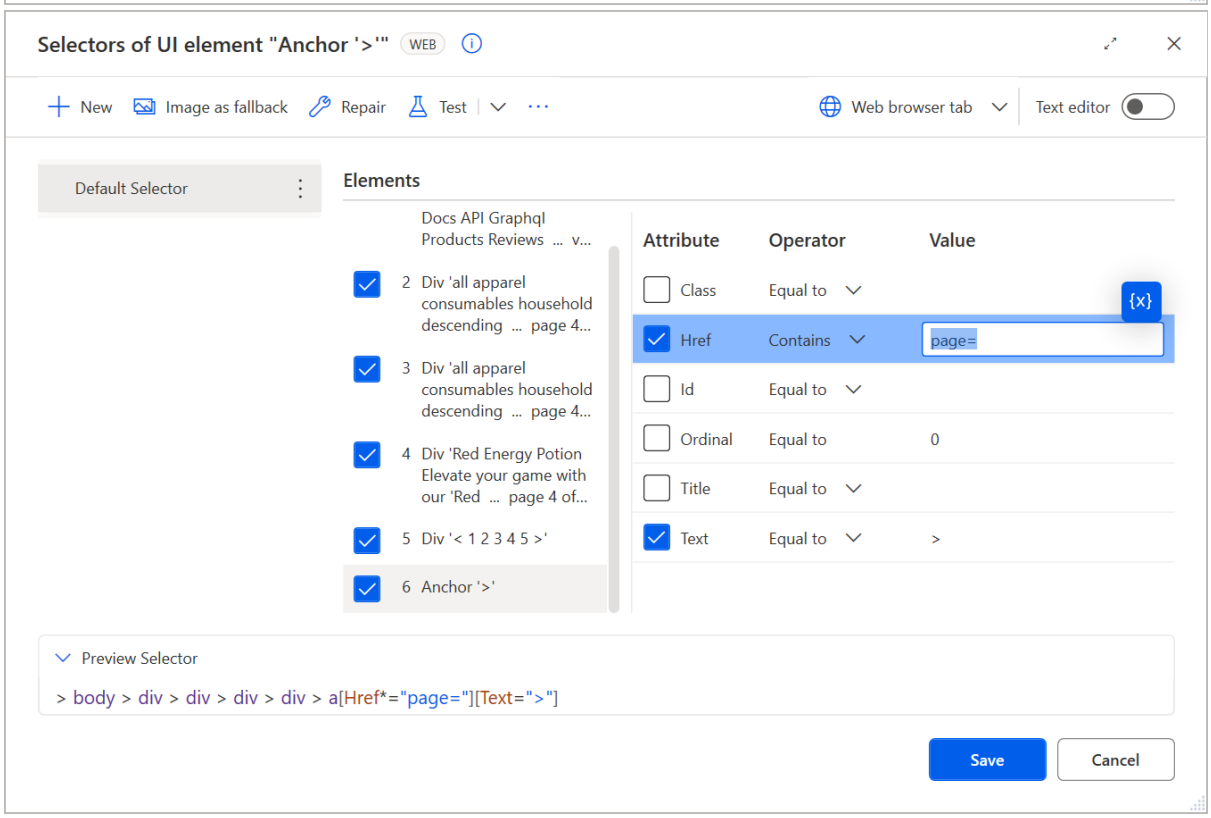

Extract data from web page
Extract data from specific parts of a web page in the form of single values, lists, rows or tables
More info
Bringing an actual web browser window to the foreground, while this dialog is open, will activate the live web helper.
Synopsis of data to be extracted: Extract record(s) from multiple web-pages in the form of a 3-column table.
Extract data from:
All available
Send physical click for next pa
All available
Only the first
Process data upon extraction:
Timeout:
60
Store data mode:
Variable
On error
Save
Cancel

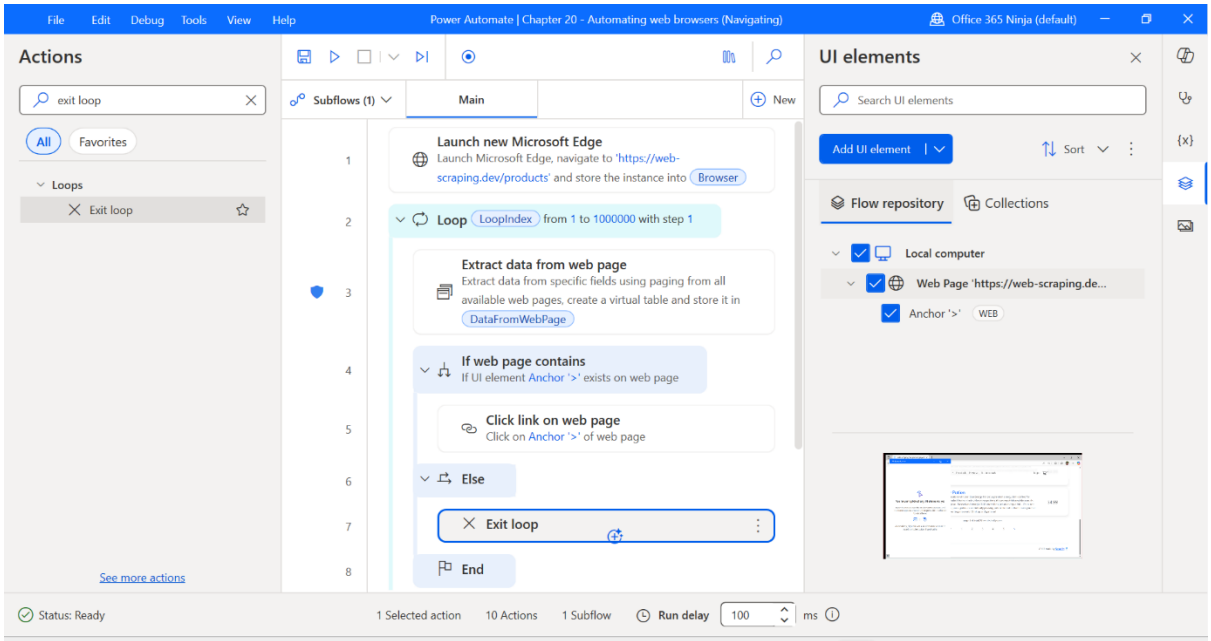

Loop
Iterates a block of actions for a specified number of times More info
Start from:
1
End to:
1000000
{x}
Increment by:
1
Variables produced
LoopIndex
Save
Cancel
File Edit Debug Tools View Help
Power Automate | Chapter 20 - Automating web browsers (Navigating)
Office 365 Ninja (default)
Actions
loop
All
Favorites
Loops
Loop
Exit loop
Loop condition
Next loop
For each
Subflows (1)
Main
New
1 Launch new Microsoft Edge
Launch Microsoft Edge, navigate to 'https://web-scraping.dev/products' and store the instance into Browser
2 Loop LoopIndex from 1 to 1000000 with step 1
3 Extract data from web page
Extract data from specific fields using paging from all available web pages, create a virtual table and store it in DataFromWebPage
4 End
5 Close web browser
Close web browser Browser
Variables
Search variables
Input / output variables 0
There aren't any input or output variables here yet
Flow variables 3
Browser Web browser insta...
DataFromWeb... 5 Rows, 3 columns
LoopIndex

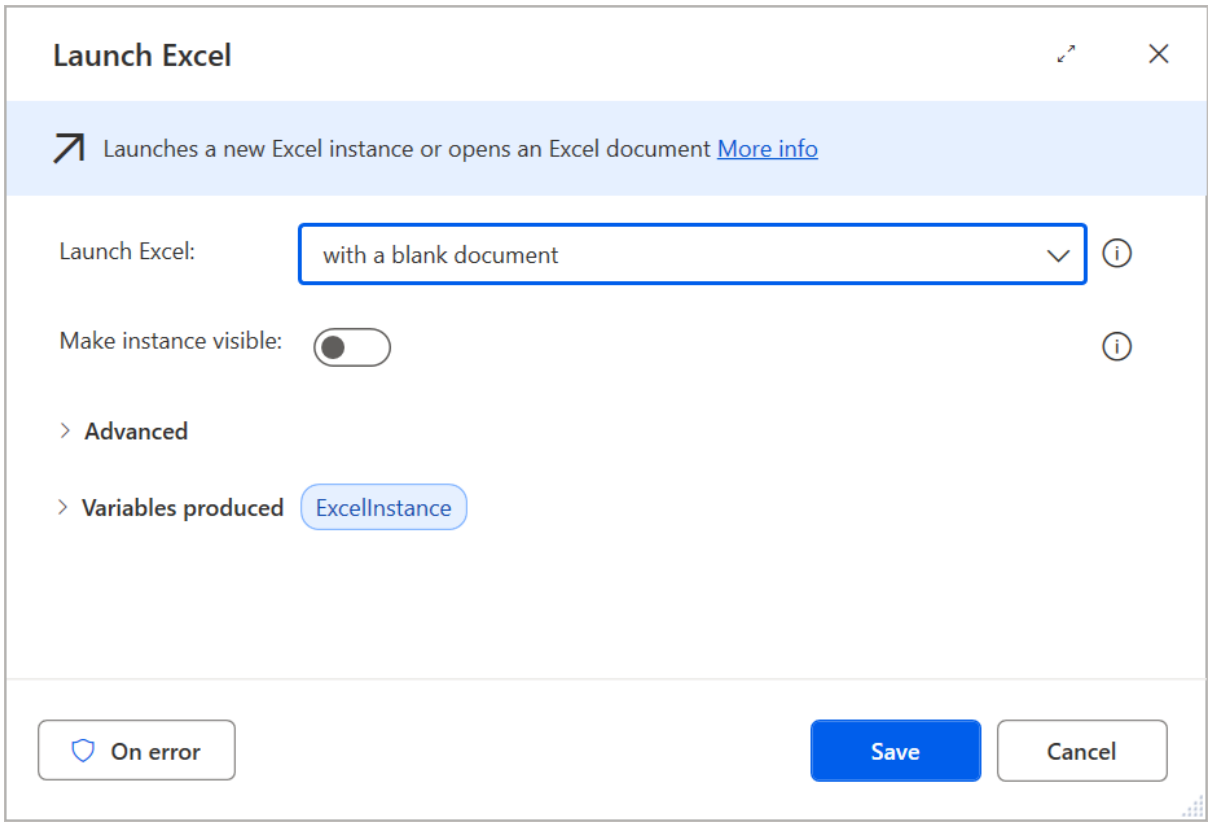

If web page contains
Mark the beginning of a conditional block of actions, depending on whether a specific piece of text or element exists in a web page More info
Web browser instance:
%Browser%
Check if web page:
Contains element
Check UI element state:
UI element:
On error
Save
Cancel

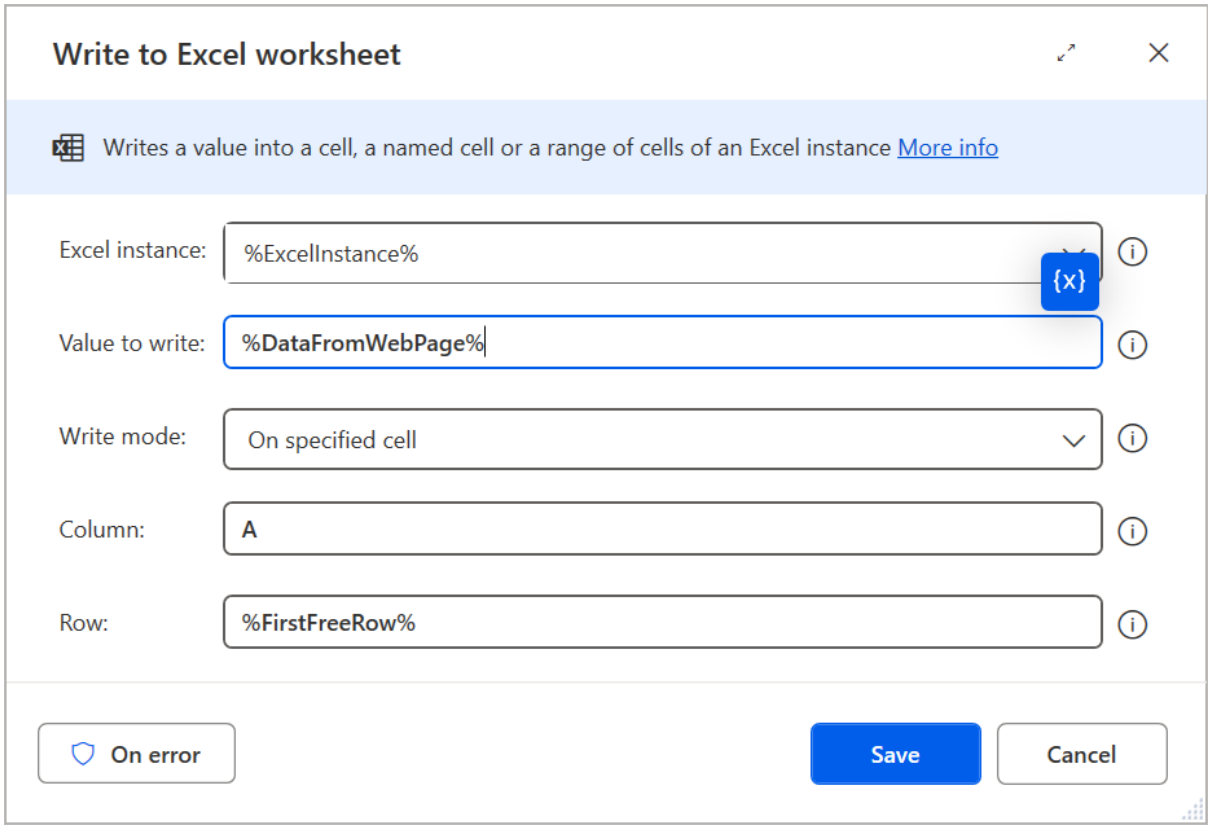

If web page contains
Mark the beginning of a conditional block of actions, depending on whether a specific piece of text or element exists in a web page More info
Web browser instance:
%Browser%
Check if web page:
Contains element
Check UI element state:
UI element:
Local computer > Web Page 'https://web-scraping.dev/pr
On error
Save
Cancel

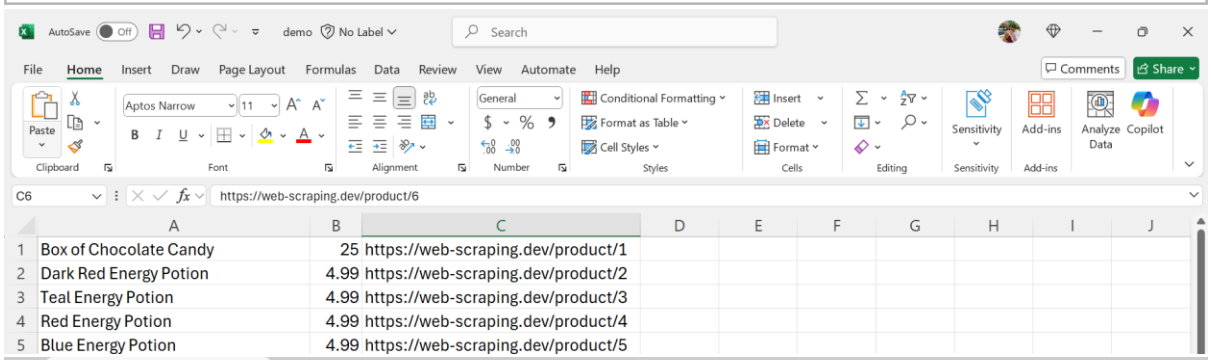

Selectors of UI element "Anchor '>'"
WEB
New
Image as fallback
Repair
Test
Web browser tab
Text editor
Default Selector
Elements
Docs API Graphql Products Reviews ... v...
2 Div 'all apparel consumables household descending ... page 1...
3 Div 'all apparel consumables household descending ... page 1...
4 Div 'Box of Chocolate Candy Indulge your sweet tooth ... page 1...
5 Div '< 1 2 3 4 5 >'
6 Anchor '>'
Attribute
Operator
Value
Class
Equal to
Href
Equal to
https://web-scraping.dev/products?page=2
Id
Equal to
Ordinal
Equal to
0
Title
Equal to
Text
Equal to
>
Preview Selector
a[Href="https://web-scraping.dev/products?page=2"][Text=">"]
Save
Cancel

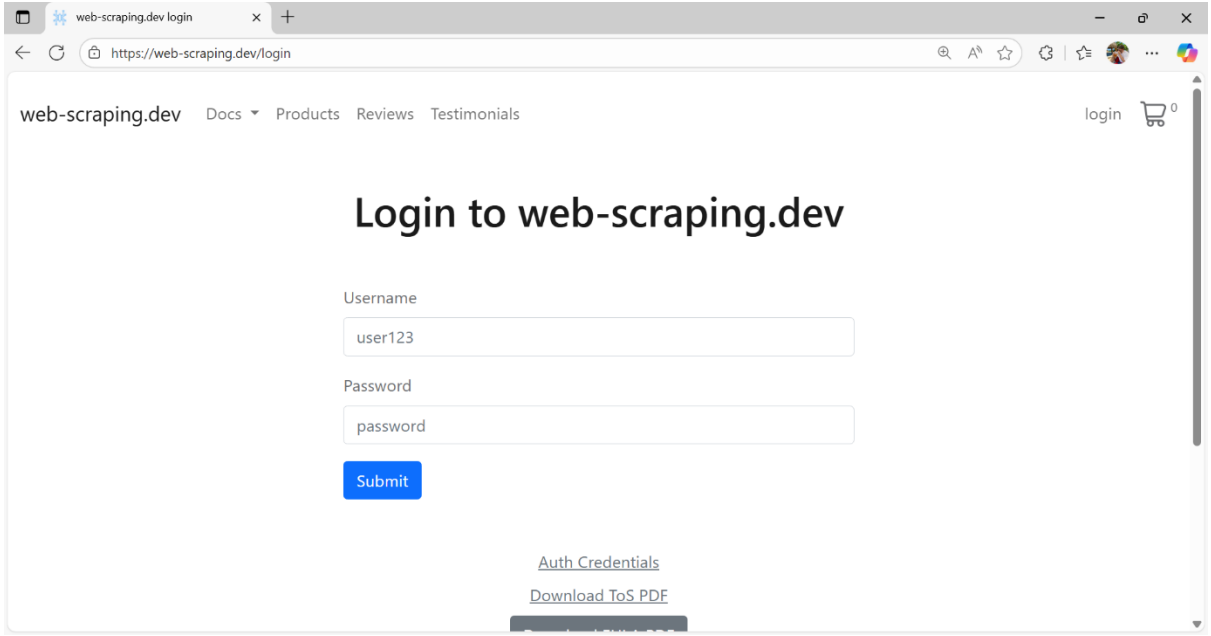

Selectors of UI element "Anchor '>'"
WEB
New
Image as fallback
Repair
Test
Web browser tab
Text editor
Default Selector
Elements
Docs API Graphql Products Reviews ... v...
2 Div 'all apparel consumables household descending ... page 4...
3 Div 'all apparel consumables household descending ... page 4...
4 Div 'Red Energy Potion Elevate your game with our 'Red ... page 4 of...
5 Div '< 1 2 3 4 5 >'
6 Anchor '>'
Attribute
Operator
Value
Class
Equal to
Href
Contains
page=
Id
Equal to
Ordinal
Equal to
0
Title
Equal to
Text
Equal to
>
Preview Selector
> body > div > div > div > div > a[Href*="page="][Text=">"]
Save
Cancel

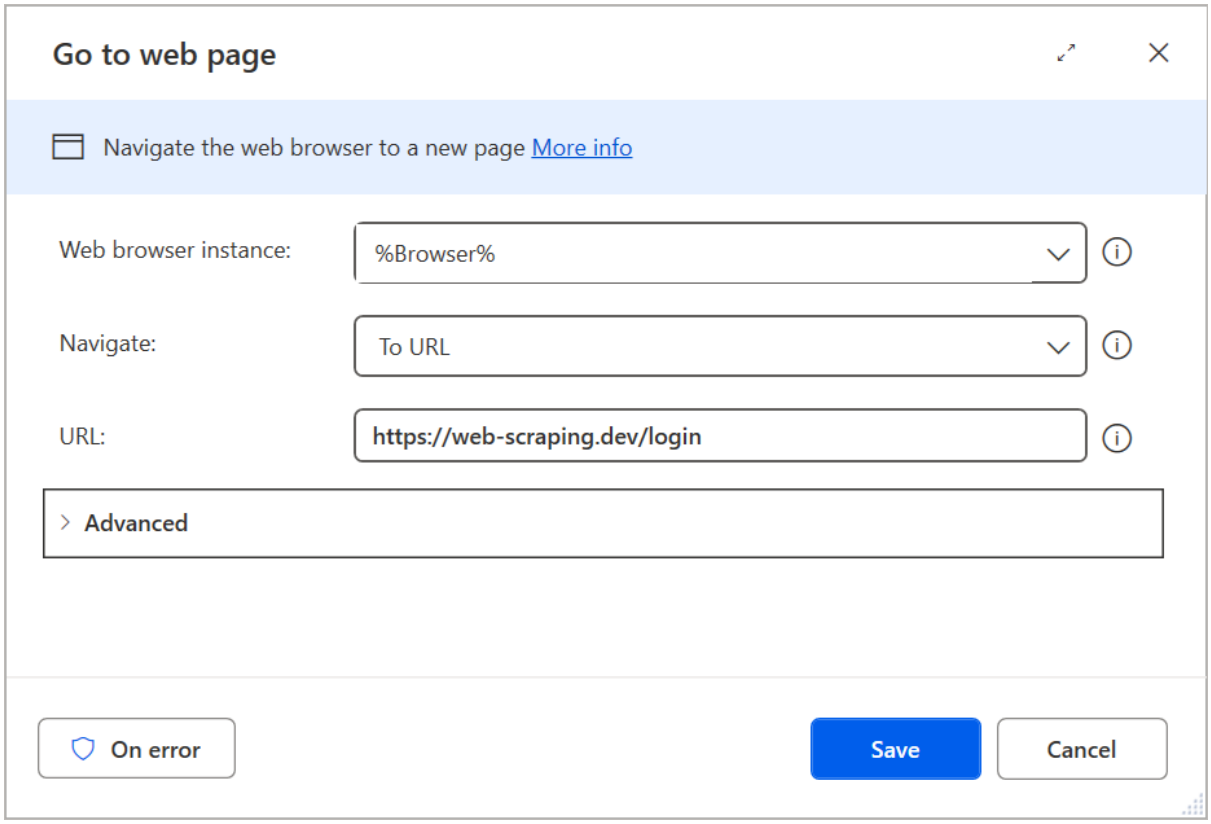

File Edit Debug Tools View Help
Power Automate | Chapter 20 - Automating web browsers (Navigating)
Office 365 Ninja (default)
Actions
exit loop
All
Favorites
Loops
Exit loop
See more actions
Subflows (1)
Main
New
1 Launch new Microsoft Edge
Launch Microsoft Edge, navigate to 'https://web-scraping.dev/products' and store the instance into Browser
2 Loop LoopIndex from 1 to 1000000 with step 1
3 Extract data from web page
Extract data from specific fields using paging from all available web pages, create a virtual table and store it in DataFromWebPage
4 If web page contains
If UI element Anchor '>' exists on web page
5 Click link on web page
Click on Anchor '>' of web page
6 Else
7 Exit loop
8 End
UI elements
Search UI elements
Add UI element
Sort
Flow repository
Collections
Local computer
Web Page 'https://web-scraping.de...
Anchor '>'
WEB
Status: Ready
1 Selected action
10 Actions
1 Subflow
Run delay
100
ms

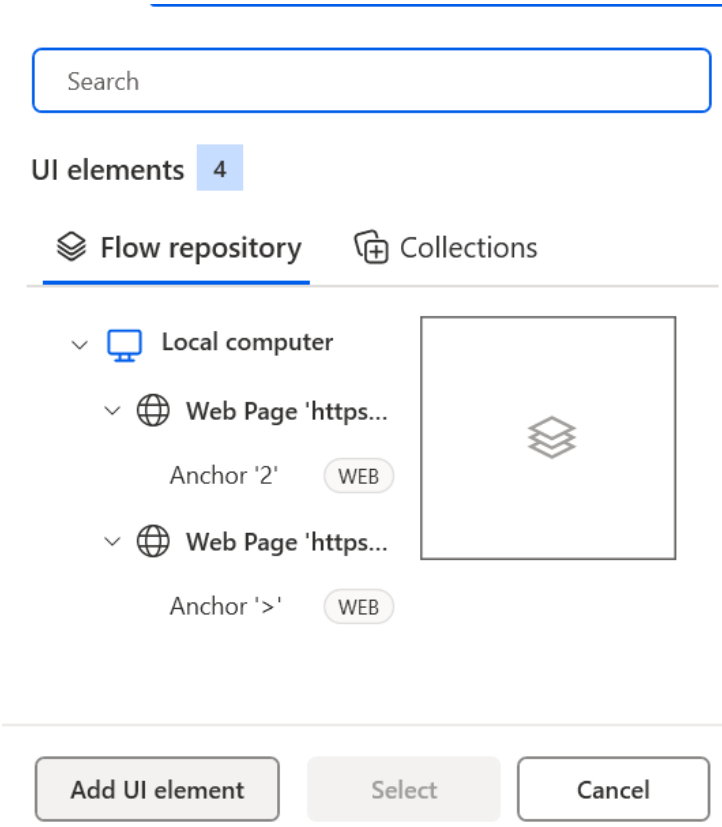

Launch Excel
Launches a new Excel instance or opens an Excel document More info
Launch Excel:
with a blank document
Make instance visible:
Advanced
Variables produced
ExcelInstance
On error
Save
Cancel

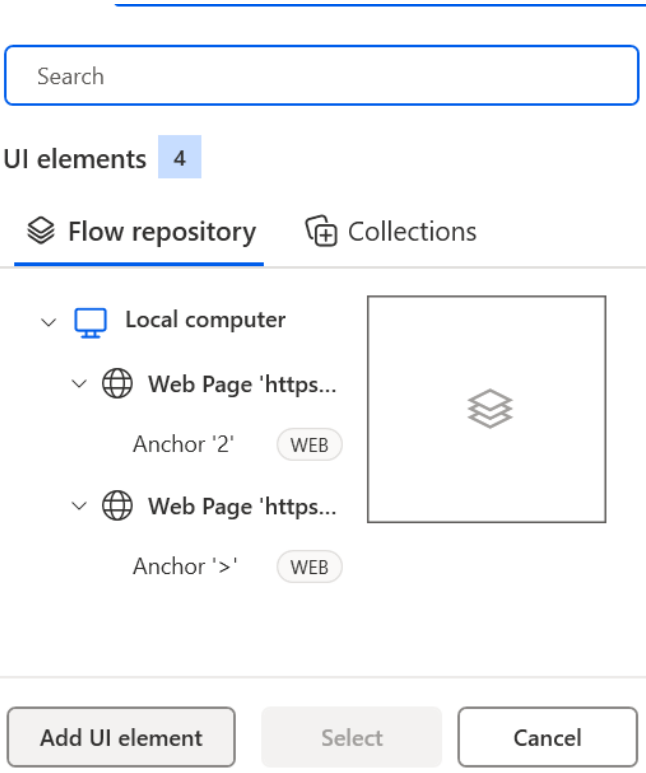

Write to Excel worksheet
Writes a value into a cell, a named cell or a range of cells of an Excel instance More info
Excel instance:
%ExcelInstance%
{x}
Value to write:
%DataFromWebPage%
Write mode:
On specified cell
Column:
A
Row:
%FirstFreeRow%
On error
Save
Cancel

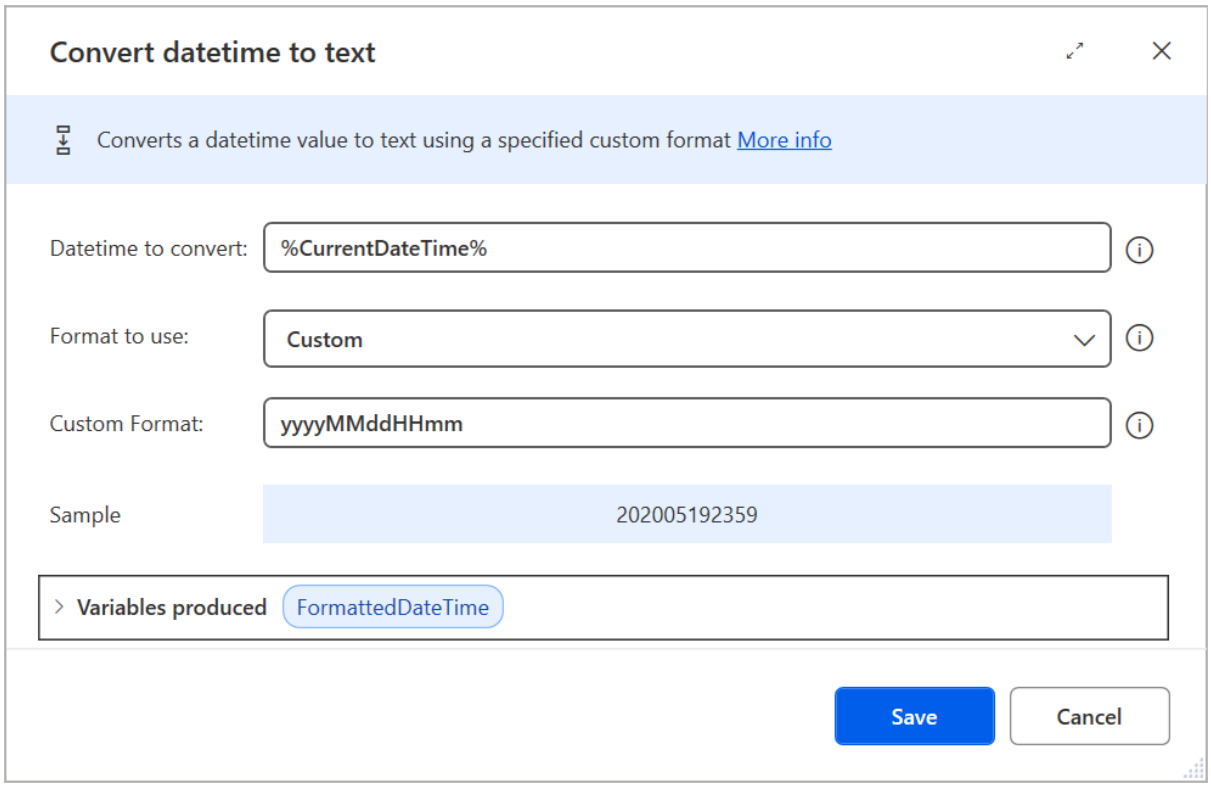

https://web-scraping.dev/product/6
Box of Chocolate Candy 25 https://web-scraping.dev/product/1
Dark Red Energy Potion 4.99 https://web-scraping.dev/product/2
Teal Energy Potion 4.99 https://web-scraping.dev/product/3
Red Energy Potion 4.99 https://web-scraping.dev/product/4
Blue Energy Potion 4.99 https://web-scraping.dev/product/5

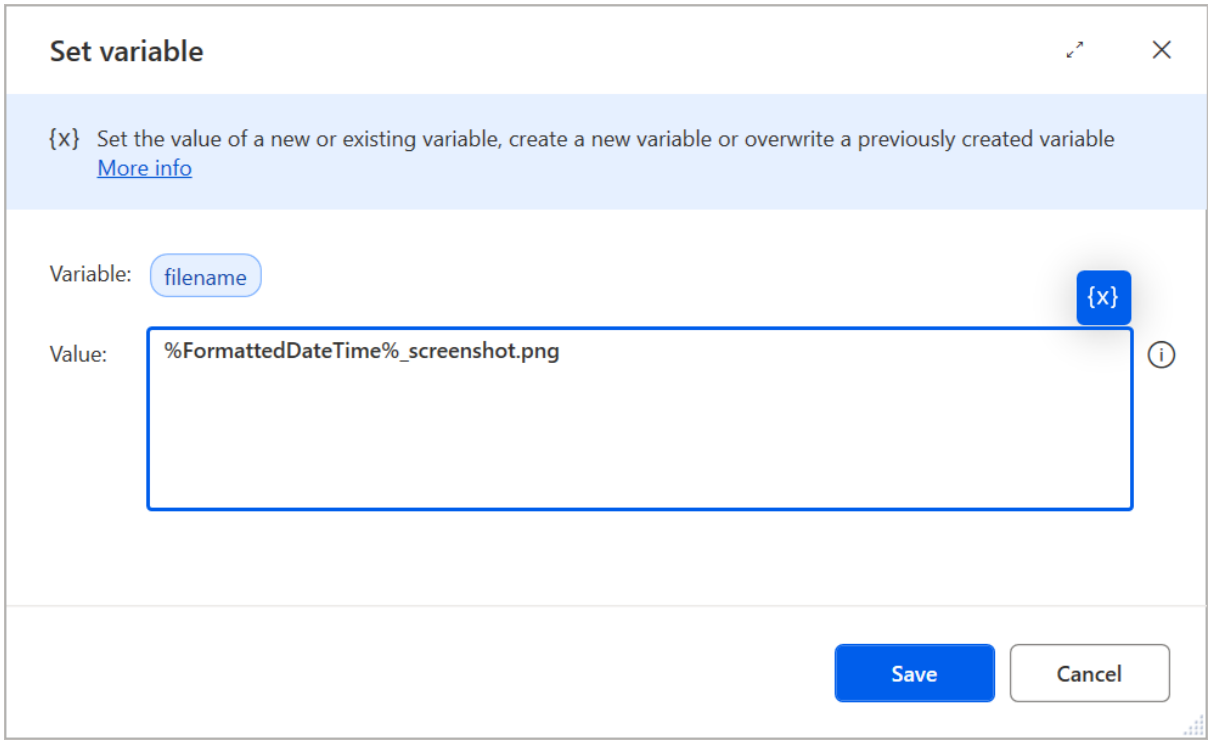

web-scraping.dev login
https://web-scraping.dev/login
web-scraping.dev
Docs
Products
Reviews
Testimonials
login
Login to web-scraping.dev
Username
user123
Password
password
Submit
Auth Credentials
Download ToS PDF

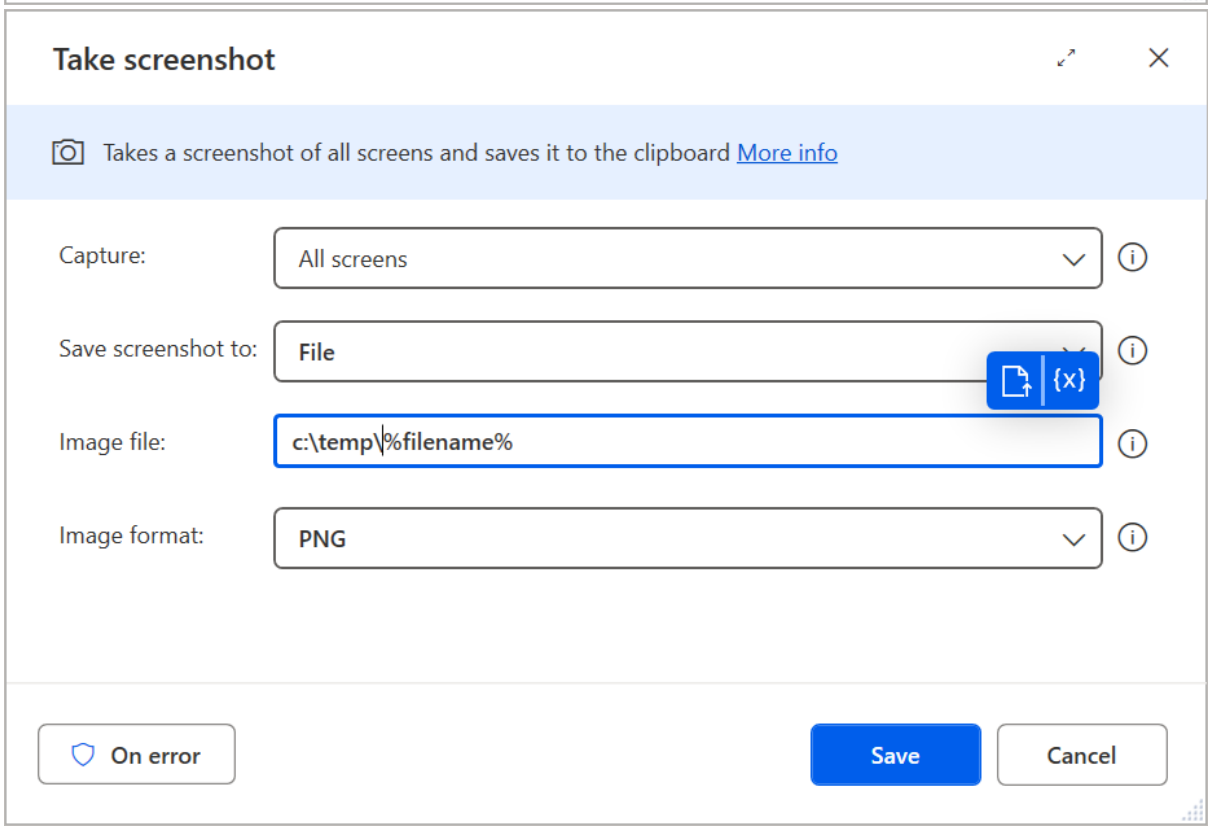

Go to web page
Navigate the web browser to a new page More info
Web browser instance:
%Browser%
Navigate:
To URL
URL:
https://web-scraping.dev/login
Advanced
On error
Save
Cancel


Search
UI elements 4
Flow repository
Collections
Local computer
Web Page 'https...
Anchor '2'
WEB
Web Page 'https...
Anchor '>'
WEB
Add UI element
Select
Cancel

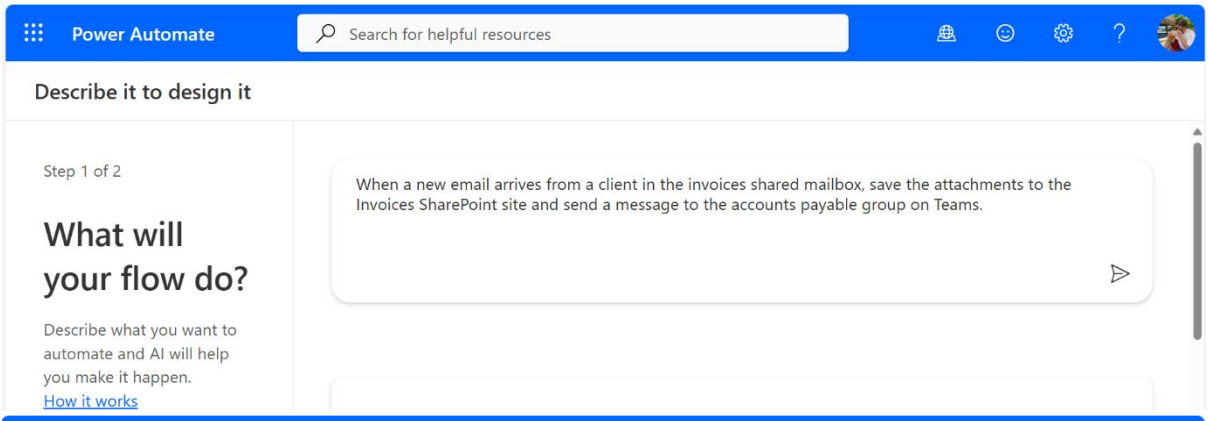

Search
UI elements 4
Flow repository
Collections
Local computer
Web Page 'https...
Anchor '2'
WEB
Web Page 'https...
Anchor '>'
WEB
Add UI element
Select
Cancel

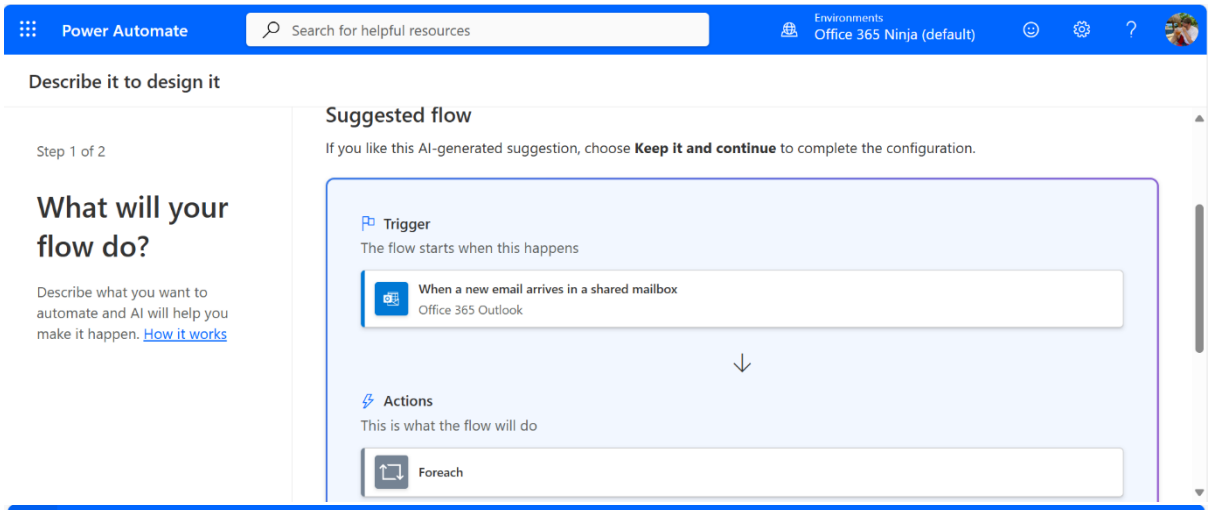

Convert datetime to text
Converts a datetime value to text using a specified custom format More info
Datetime to convert:
%CurrentDateTime%
Format to use:
Custom
Custom Format:
yyyyMMddHHmm
Sample
202005192359
Variables produced
FormattedDateTime
Save
Cancel

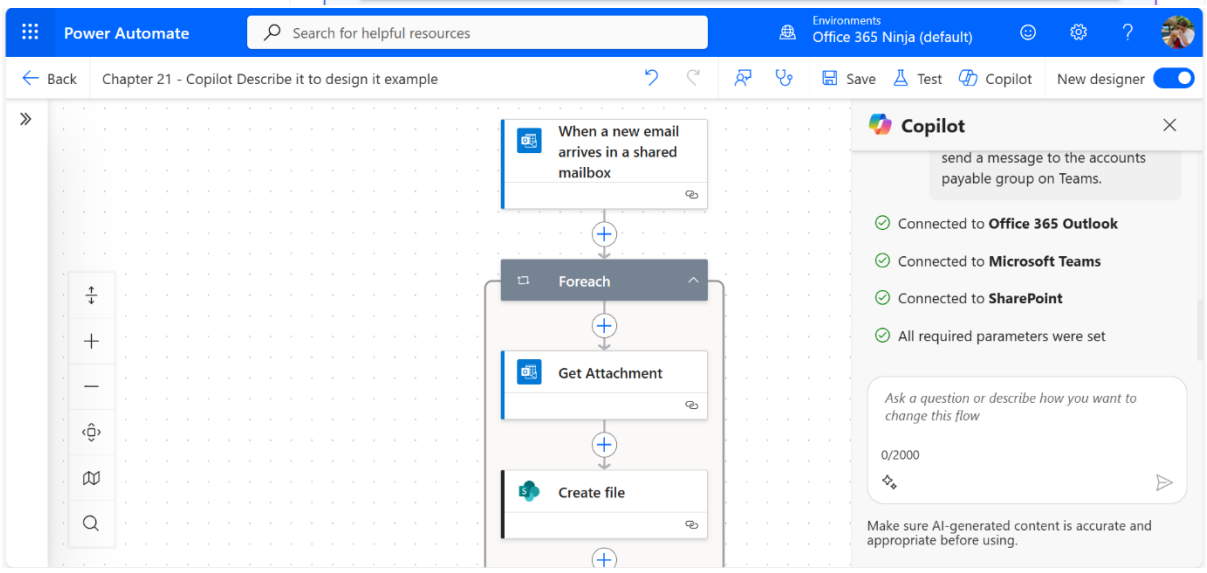

Set variable
{x} Set the value of a new or existing variable, create a new variable or overwrite a previously created variable
More info
Variable:
filename
{x}
Value:
%FormattedDateTime%_screenshot.png
Save
Cancel

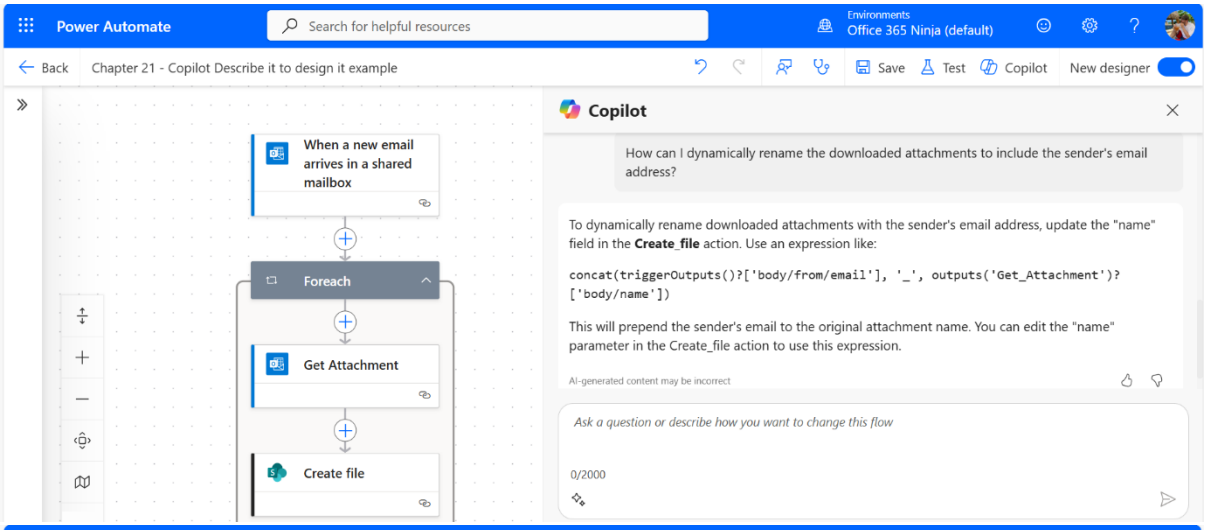

Take screenshot
Takes a screenshot of all screens and saves it to the clipboard More info
Capture:
All screens
Save screenshot to:
File
{x}
Image file:
c:\temp\%filename%
Image format:
PNG
On error
Save
Cancel

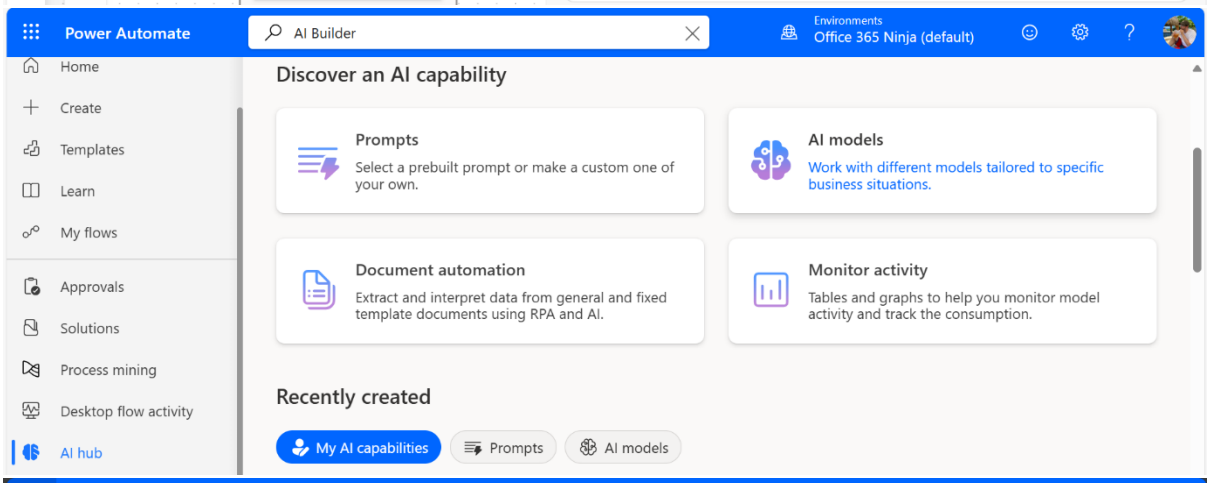
# Chapter 21: Introducing AI Models and Generative AI

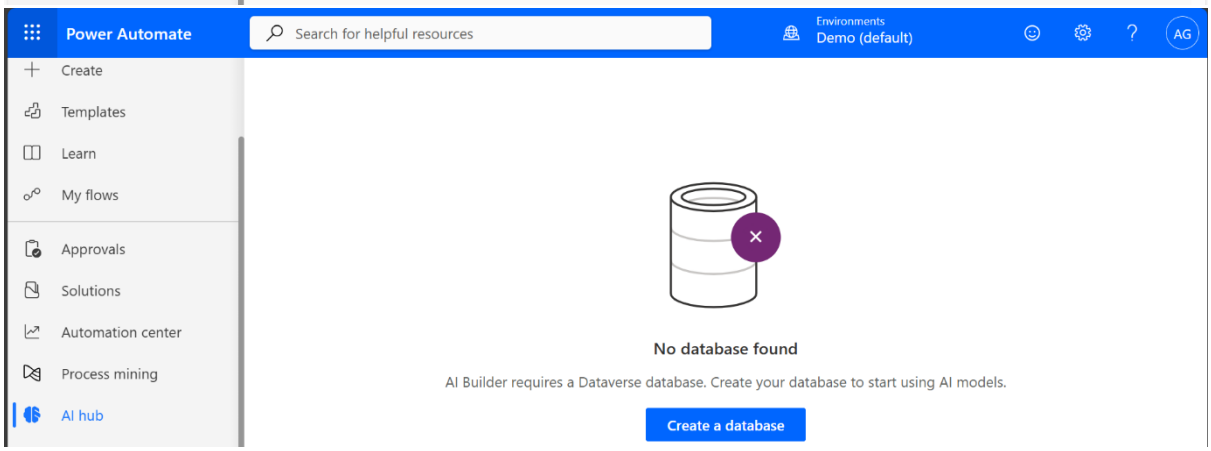


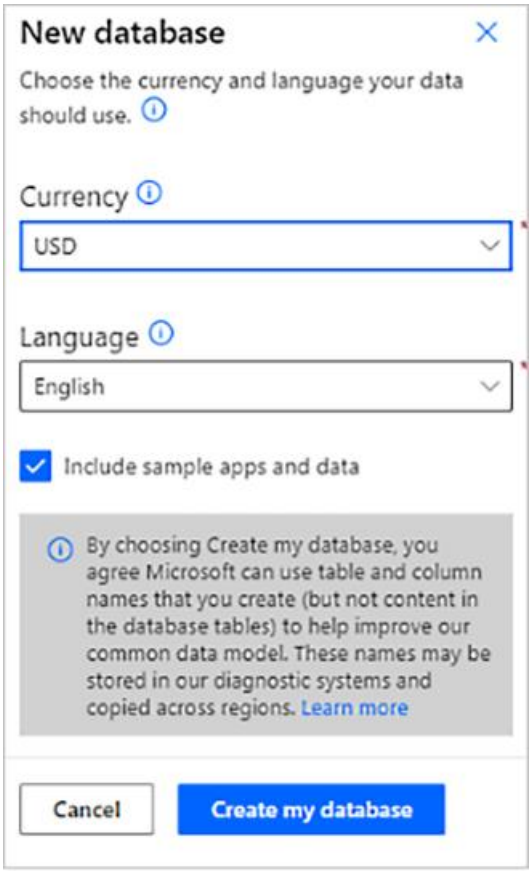



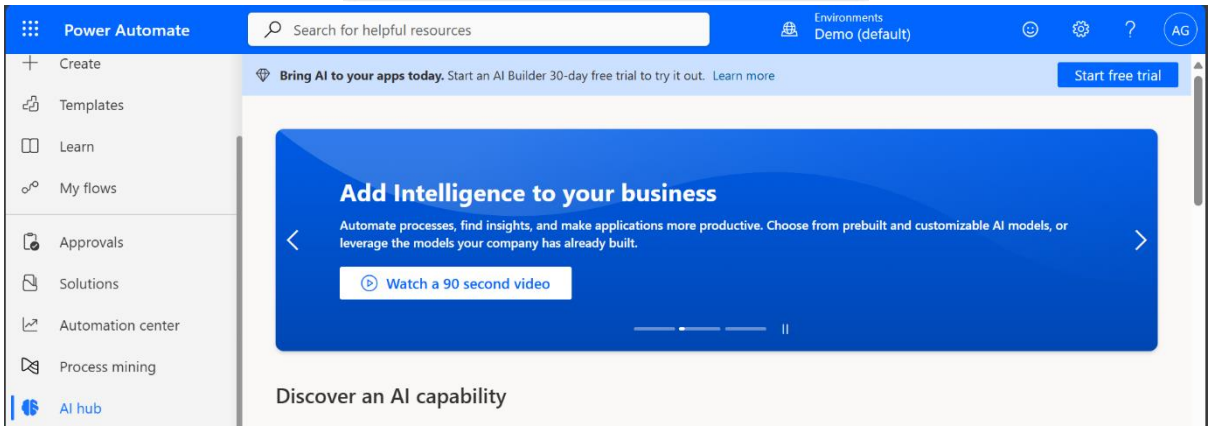




Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 21 - Copilot Describe it to design it example
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox
Foreach
Get Attachment
Create file
Copilot
How can I dynamically rename the downloaded attachments to include the sender's email address?
To dynamically rename downloaded attachments with the sender's email address, update the "name" field in the Create_file action. Use an expression like:
concat(triggerOutputs()?['body/from/email'], '_', outputs('Get_Attachment')?['body/name'])
This will prepend the sender's email to the original attachment name. You can edit the "name" parameter in the Create_file action to use this expression.
AI-generated content may be incorrect
Ask a question or describe how you want to change this flow
0/2000

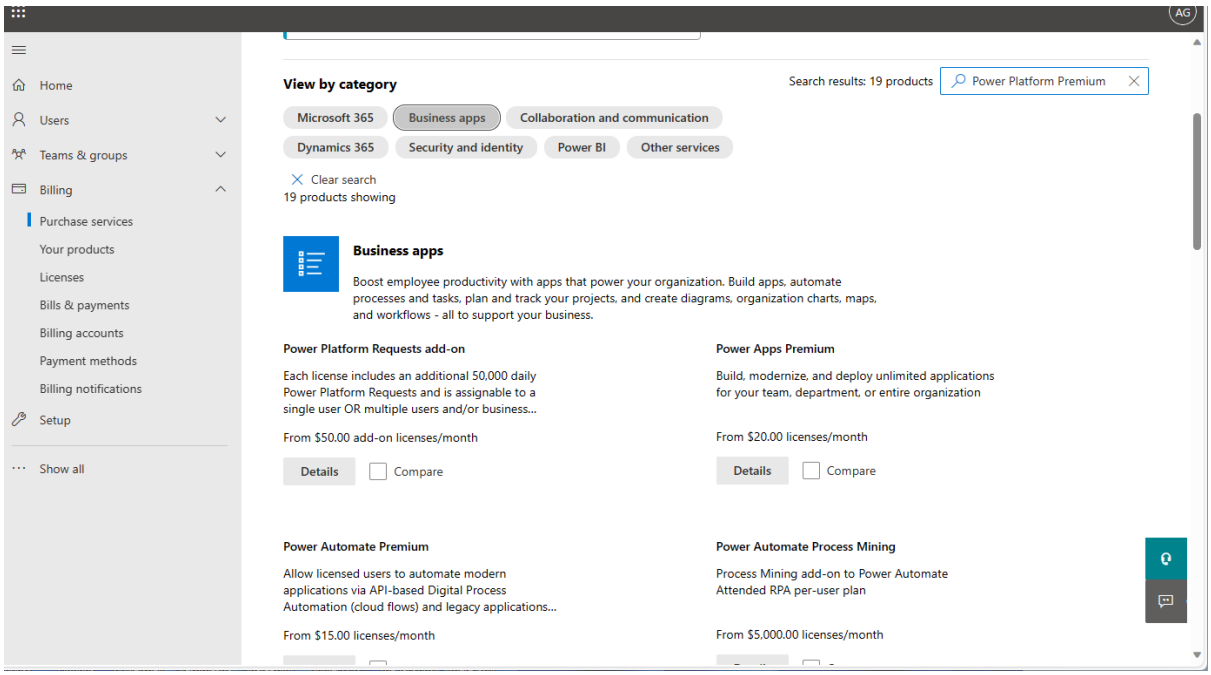

Power Automate
AI Builder
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
Discover an AI capability
Prompts
Select a prebuilt prompt or make a custom one of your own.
AI models
Work with different models tailored to specific business situations.
Document automation
Extract and interpret data from general and fixed template documents using RPA and AI.
Monitor activity
Tables and graphs to help you monitor model activity and track the consumption.
Recently created
My AI capabilities
Prompts
AI models

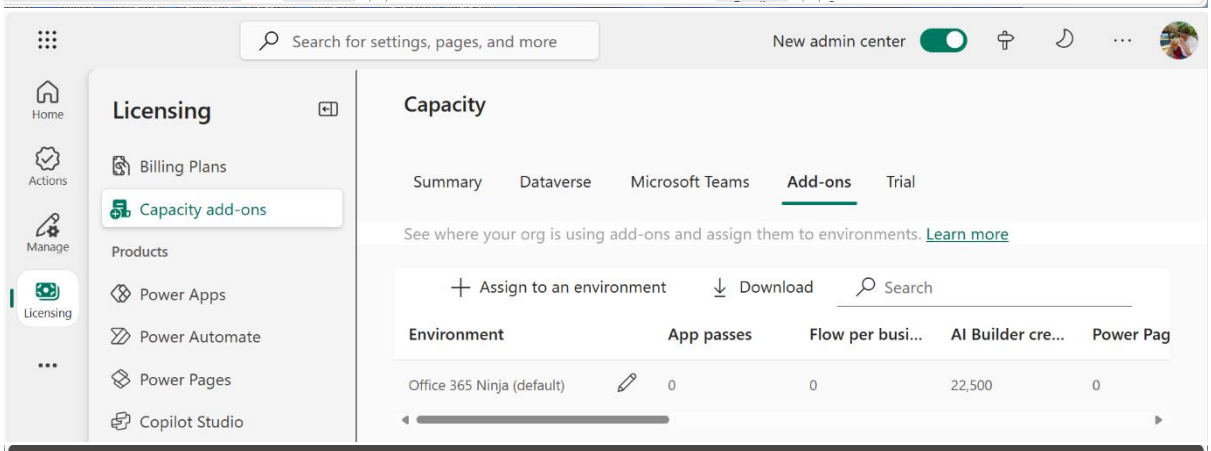

Power Automate
Search for helpful resources
Environments
Demo (default)
AG
Create
Templates
Learn
My flows
Approvals
Solutions
Automation center
Process mining
AI hub
No database found
AI Builder requires a Dataverse database. Create your database to start using AI models.
Create a database

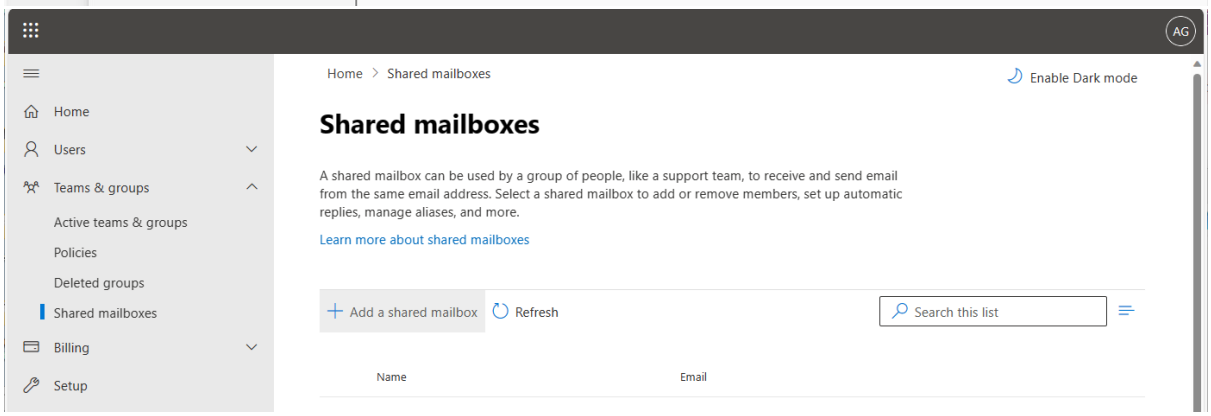

New database
Choose the currency and language your data should use.
Currency
USD
Language
English
Include sample apps and data
By choosing Create my database, you agree Microsoft can use table and column names that you create (but not content in the database tables) to help improve our common data model. These names may be stored in our diagnostic systems and copied across regions. Learn more
Cancel
Create my database

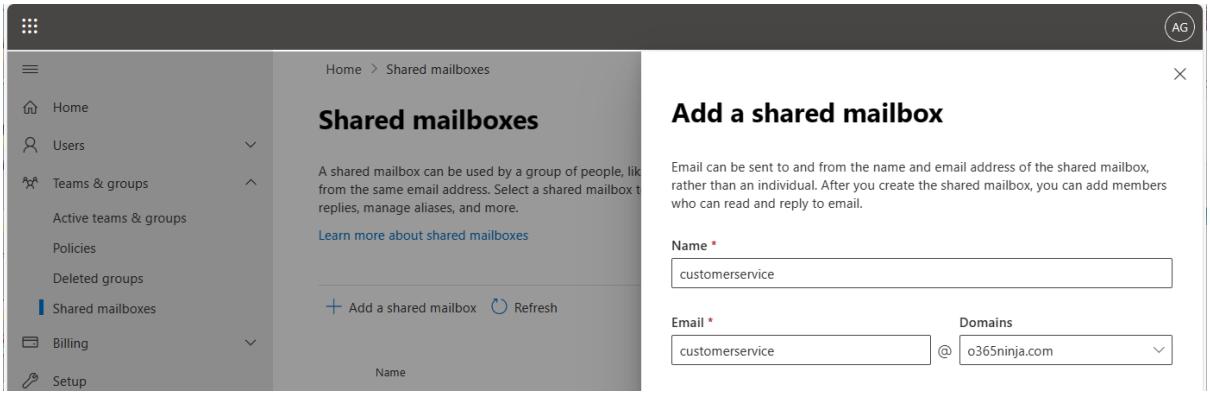

Power Automate
Search for helpful resources
Environments
Demo (default)
AG
Create
Templates
Learn
My flows
Approvals
Solutions
Automation center
Process mining
AI hub
Bring AI to your apps today. Start an AI Builder 30-day free trial to try it out. Learn more
Start free trial
Add Intelligence to your business
Automate processes, find insights, and make applications more productive. Choose from prebuilt and customizable AI models, or leverage the models your company has already built.
Watch a 90 second video
Discover an AI capability

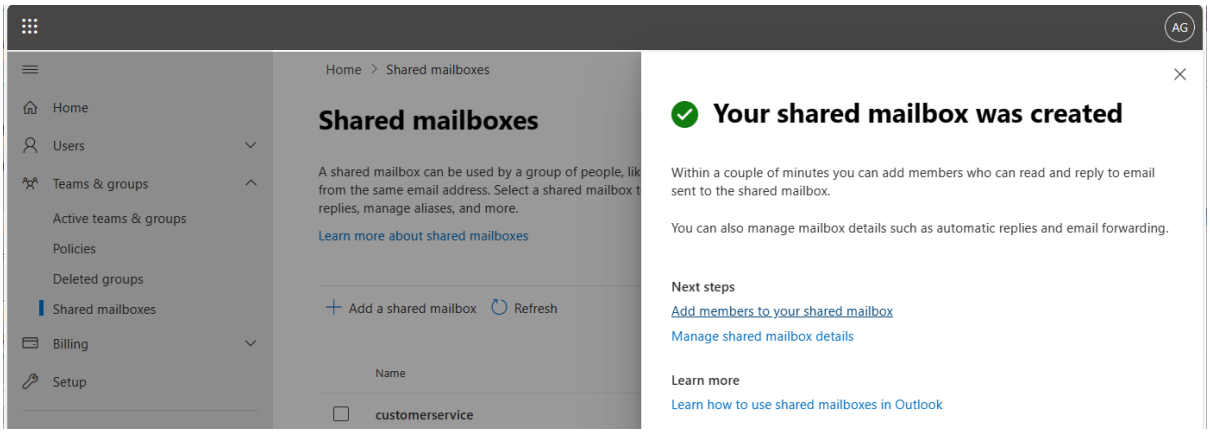
# Chapter 22: Creating a Sentiment Analysis Flow

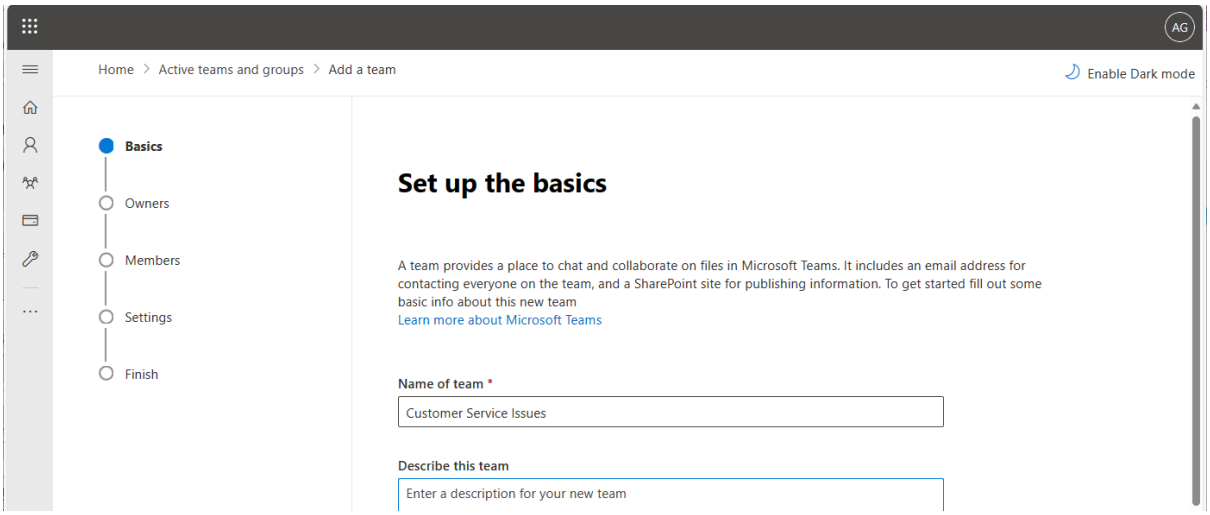


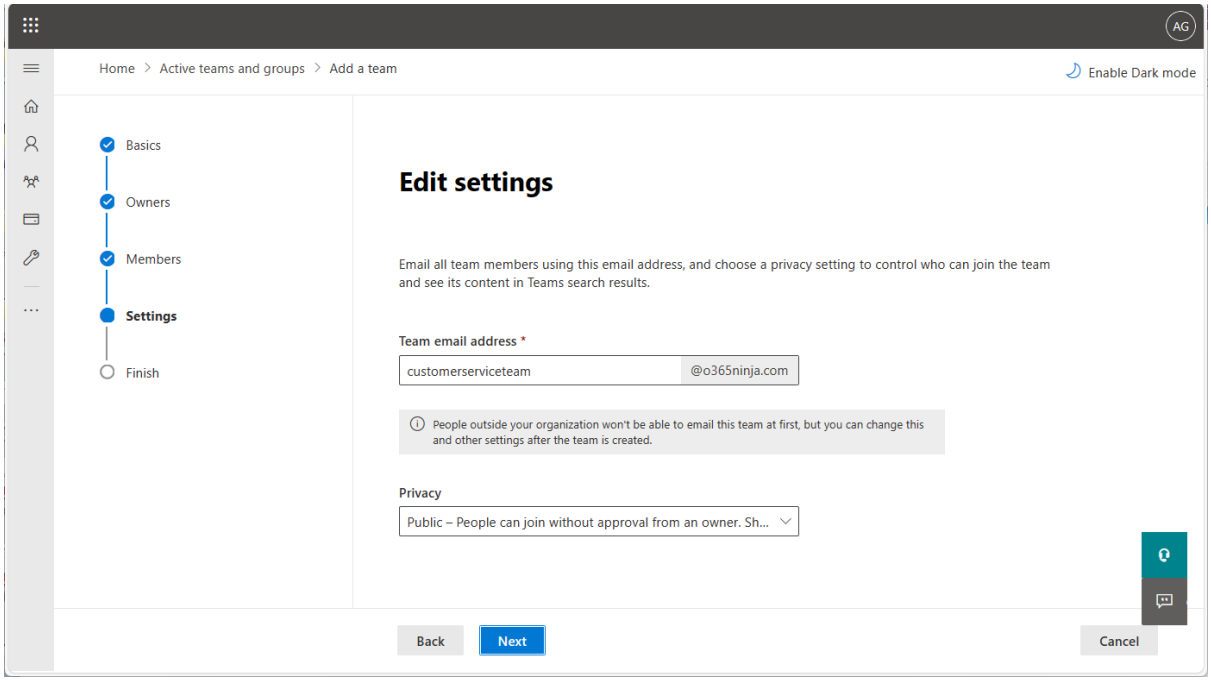



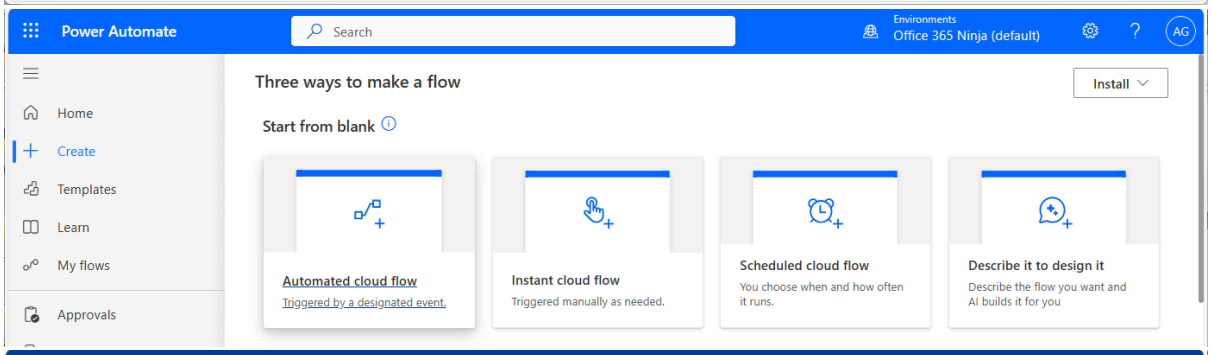



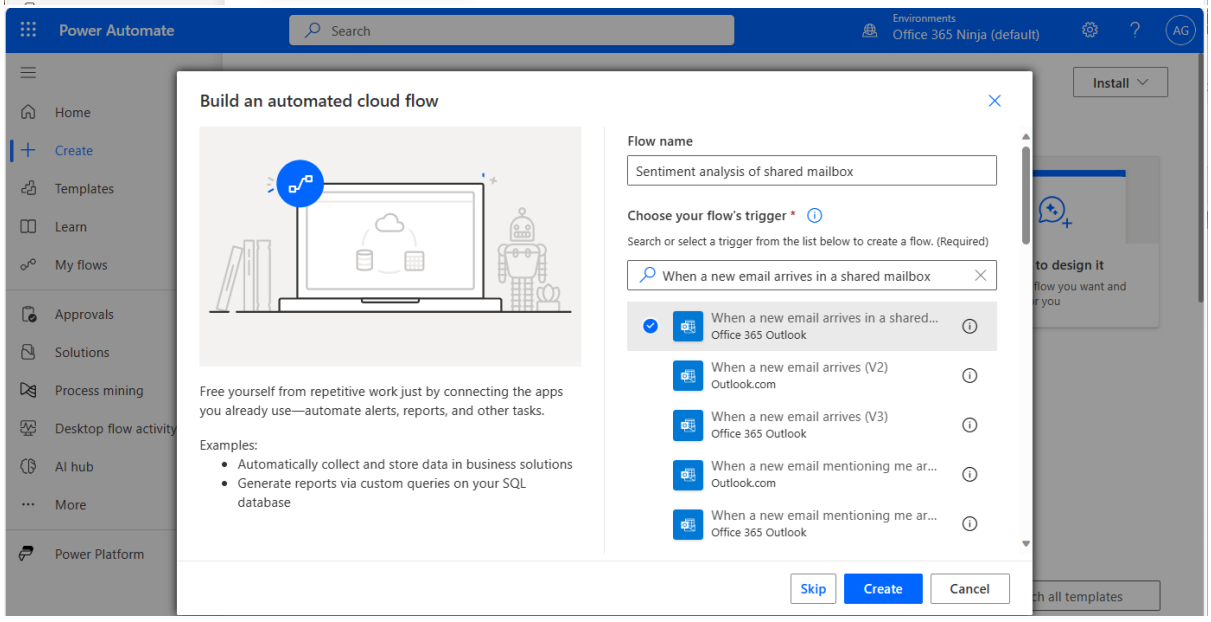

AG
Home
Users
Teams & groups
Active teams & groups
Policies
Deleted groups
Shared mailboxes
Billing
Setup
Home > Shared mailboxes
Shared mailboxes
A shared mailbox can be used by a group of people, lik
from the same email address. Select a shared mailbox t
replies, manage aliases, and more.
Learn more about shared mailboxes
Add a shared mailbox
Refresh
Name
Add a shared mailbox
Email can be sent to and from the name and email address of the shared mailbox, rather than an individual. After you create the shared mailbox, you can add members who can read and reply to email.
Name *
customerservice
Email *
customerservice
@
Domains
o365ninja.com

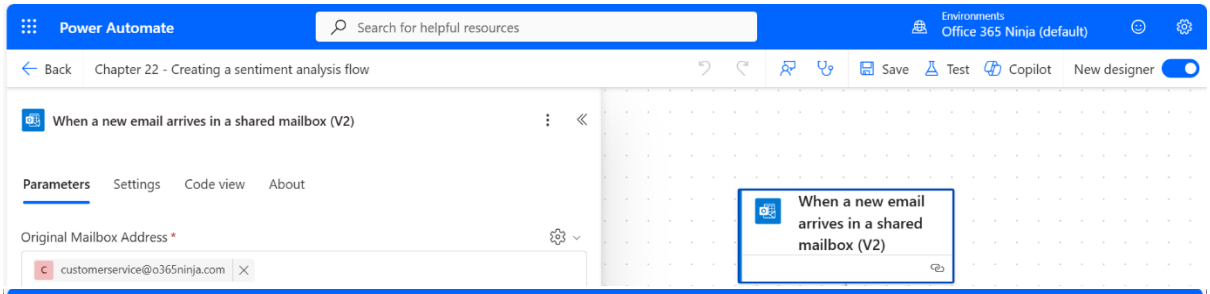

AG
Home
Users
Teams & groups
Active teams & groups
Policies
Deleted groups
Shared mailboxes
Billing
Setup
Home > Shared mailboxes
Shared mailboxes
A shared mailbox can be used by a group of people, lik
from the same email address. Select a shared mailbox t
replies, manage aliases, and more.
Learn more about shared mailboxes
Add a shared mailbox
Refresh
Name
customerservice
Your shared mailbox was created
Within a couple of minutes you can add members who can read and reply to email sent to the shared mailbox.
You can also manage mailbox details such as automatic replies and email forwarding.
Next steps
Add members to your shared mailbox
Manage shared mailbox details
Learn more
Learn how to use shared mailboxes in Outlook

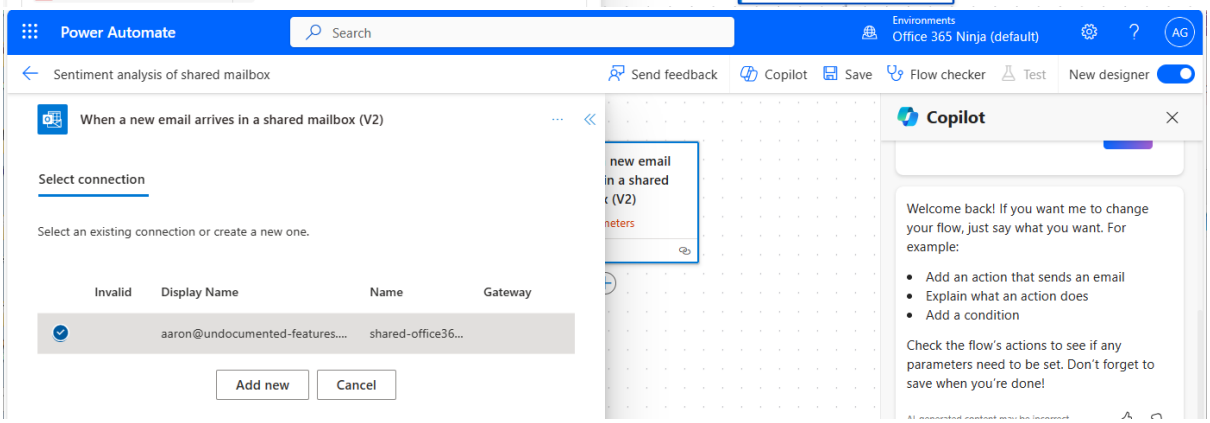

AG
Home > Active teams and groups > Add a team
Enable Dark mode
Basics
Owners
Members
Settings
Finish
Set up the basics
A team provides a place to chat and collaborate on files in Microsoft Teams. It includes an email address for contacting everyone on the team, and a SharePoint site for publishing information. To get started fill out some basic info about this new team
Learn more about Microsoft Teams
Name of team *
Customer Service Issues
Describe this team
Enter a description for your new team

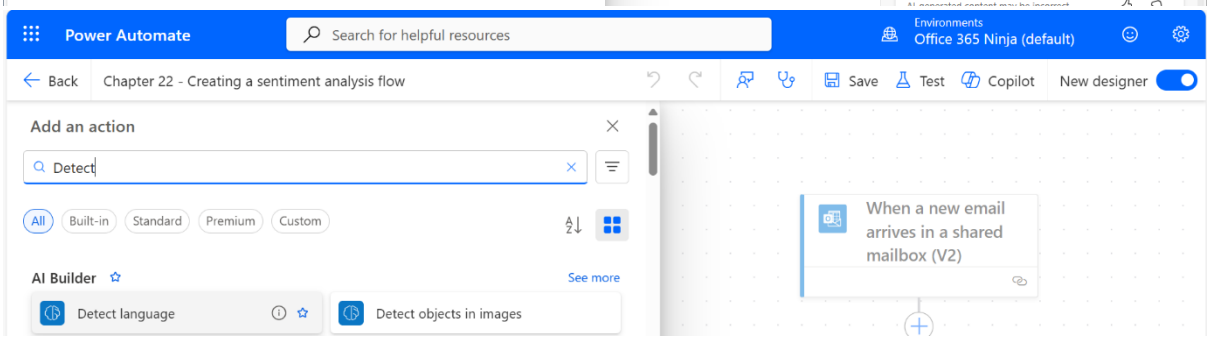

Home > Active teams and groups > Add a team
Enable Dark mode
Basics
Owners
Members
Settings
Finish
Edit settings
Email all team members using this email address, and choose a privacy setting to control who can join the team and see its content in Teams search results.
Team email address *
customerserviceteam
@o365ninja.com
People outside your organization won't be able to email this team at first, but you can change this and other settings after the team is created.
Privacy
Public – People can join without approval from an owner. Sh...
Back
Next
Cancel

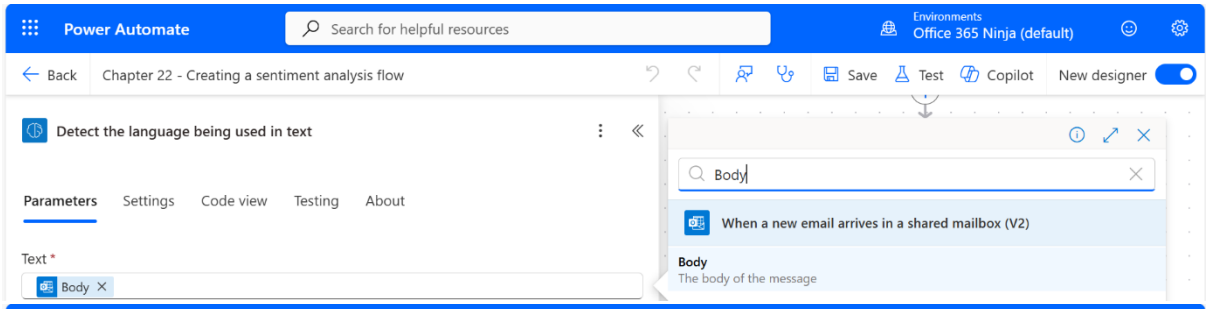

Power Automate
Search
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Three ways to make a flow
Install
Start from blank
Automated cloud flow
Triggered by a designated event.
Instant cloud flow
Triggered manually as needed.
Scheduled cloud flow
You choose when and how often it runs.
Describe it to design it
Describe the flow you want and AI builds it for you

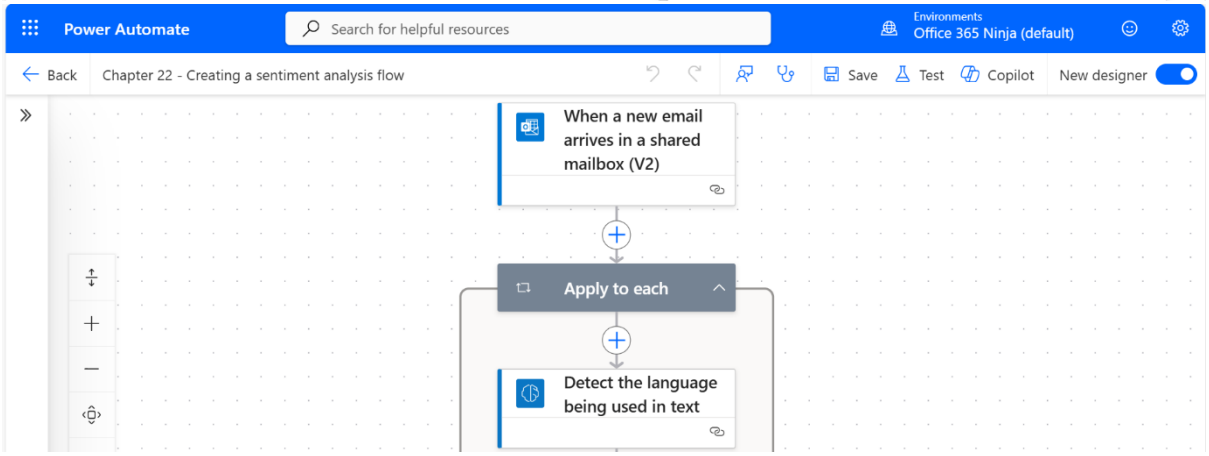

Power Automate
Search
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
More
Power Platform
Install
Build an automated cloud flow
Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.
Examples:
Automatically collect and store data in business solutions
Generate reports via custom queries on your SQL database
Flow name
Sentiment analysis of shared mailbox
Choose your flow's trigger *
Search or select a trigger from the list below to create a flow. (Required)
When a new email arrives in a shared mailbox
When a new email arrives in a shared...
Office 365 Outlook
When a new email arrives (V2)
Outlook.com
When a new email arrives (V3)
Office 365 Outlook
When a new email mentioning me ar...
Outlook.com
When a new email mentioning me ar...
Office 365 Outlook
Skip
Create
Cancel

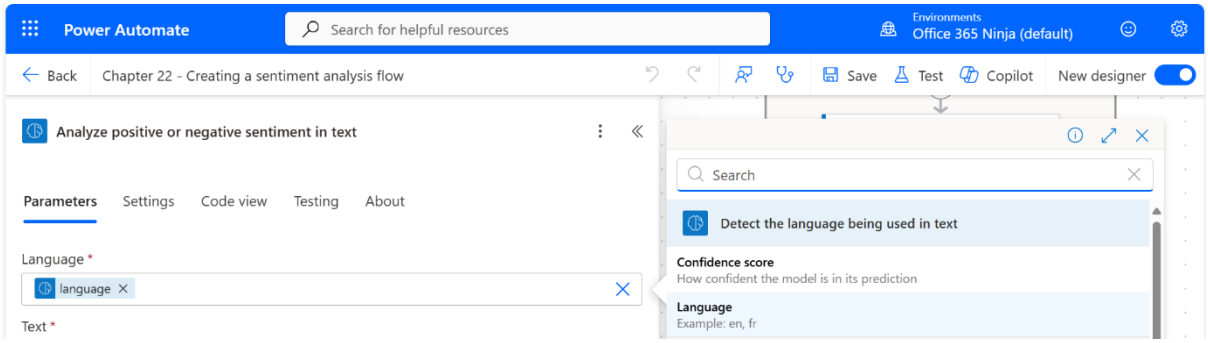

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Parameters
Settings
Code view
About
Original Mailbox Address *
customerservice@o365ninja.com
When a new email arrives in a shared mailbox (V2)

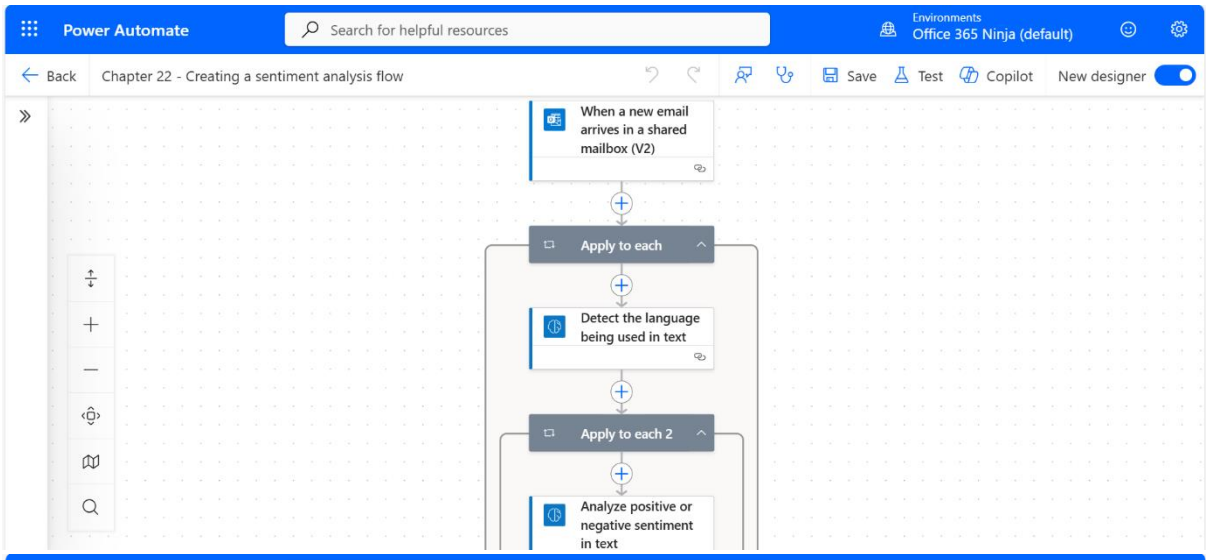

Power Automate
Search
Environments
Office 365 Ninja (default)
Sentiment analysis of shared mailbox
Send feedback
Copilot
Save
Flow checker
Test
New designer
When a new email arrives in a shared mailbox (V2)
Select connection
Select an existing connection or create a new one.
Invalid
Display Name
Name
Gateway
aaron@undocumented-features....
shared-office36...
Add new
Cancel
Copilot
Welcome back! If you want me to change your flow, just say what you want. For example:
Add an action that sends an email
Explain what an action does
Add a condition
Check the flow's actions to see if any parameters need to be set. Don't forget to save when you're done!

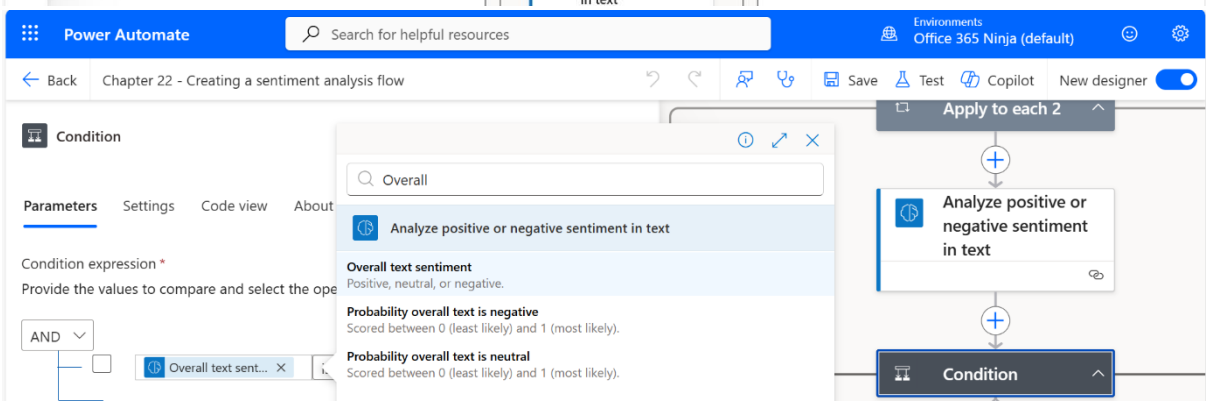

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Add an action
Detect
All
Built-in
Standard
Premium
Custom
AI Builder
See more
Detect language
Detect objects in images
When a new email arrives in a shared mailbox (V2)

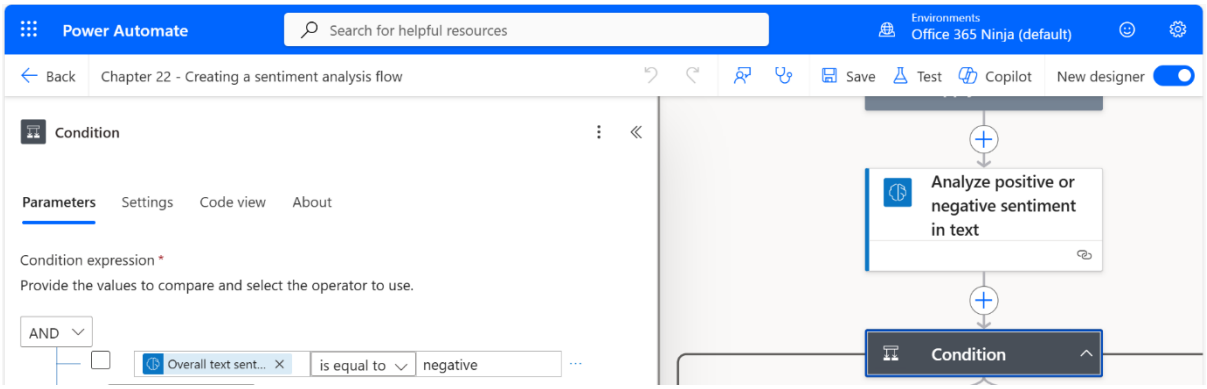

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Detect the language being used in text
Parameters
Settings
Code view
Testing
About
Text *
Body
Body
When a new email arrives in a shared mailbox (V2)
Body
The body of the message

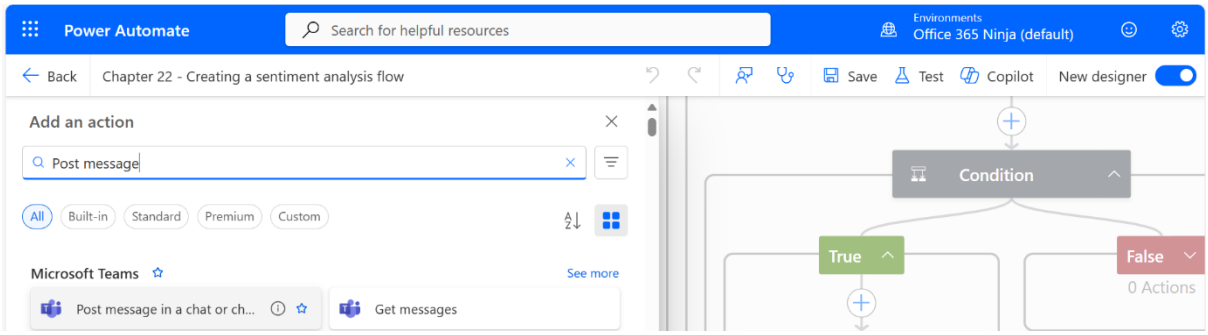

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Apply to each
Detect the language being used in text

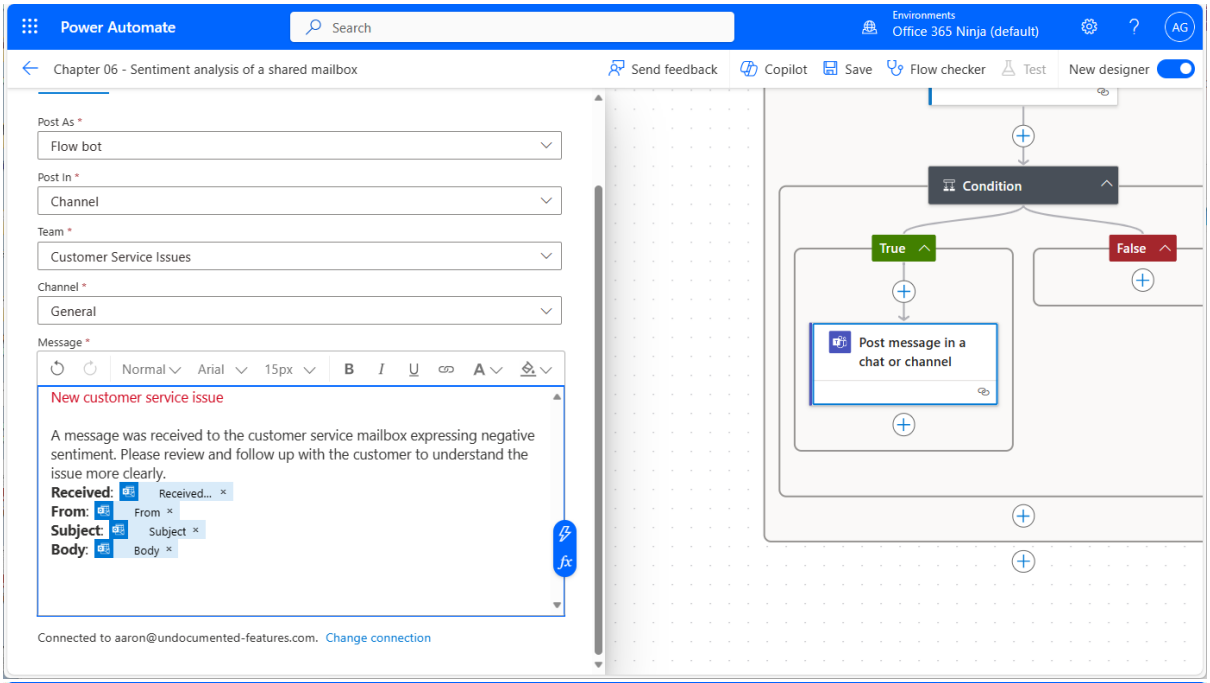

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Analyze positive or negative sentiment in text
Parameters
Settings
Code view
Testing
About
Language *
language
Text *
Search
Detect the language being used in text
Confidence score
How confident the model is in its prediction
Language
Example: en, fr

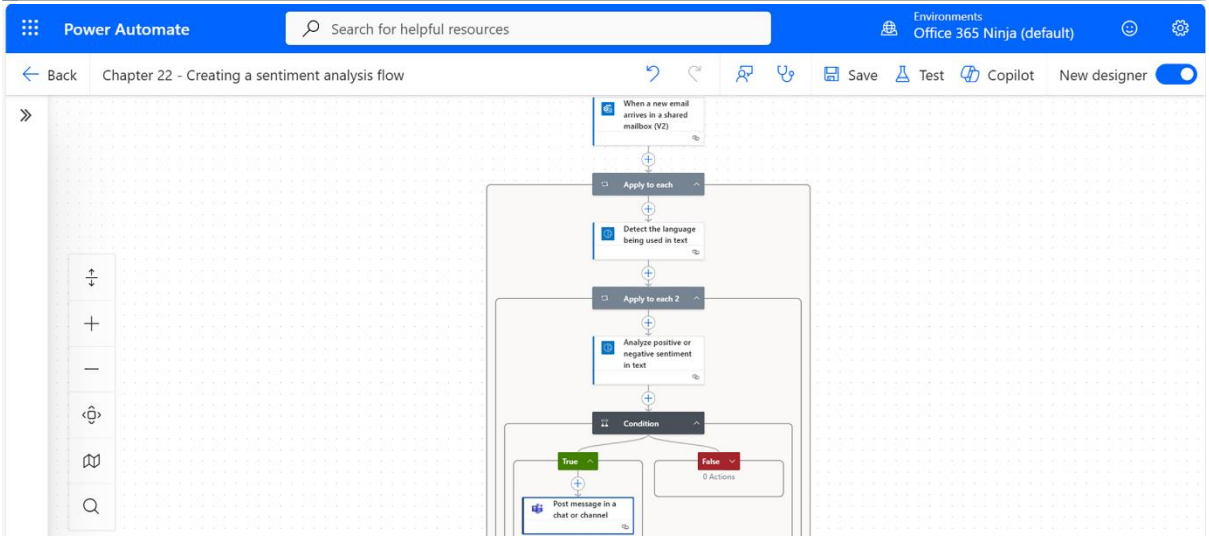

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Apply to each
Detect the language being used in text
Apply to each 2
Analyze positive or negative sentiment in text


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the ope
AND
Overall text sent...
Overall
Analyze positive or negative sentiment in text
Overall text sentiment
Positive, neutral, or negative.
Probability overall text is negative
Scored between 0 (least likely) and 1 (most likely).
Probability overall text is neutral
Scored between 0 (least likely) and 1 (most likely).
Apply to each 2
Analyze positive or negative sentiment in text
Condition


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Condition
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
Overall text sent...
is equal to
negative
Analyze positive or negative sentiment in text
Condition


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
Add an action
Post message
All
Built-in
Standard
Premium
Custom
Microsoft Teams
See more
Post message in a chat or ch...
Get messages
Condition
True
False
0 Actions


Power Automate
Search
Environments
Office 365 Ninja (default)
AG
Chapter 06 - Sentiment analysis of a shared mailbox
Send feedback
Copilot
Save
Flow checker
Test
New designer
Post As *
Flow bot
Post In *
Channel
Team *
Customer Service Issues
Channel *
General
Message *
Normal
Arial
15px
New customer service issue
A message was received to the customer service mailbox expressing negative sentiment. Please review and follow up with the customer to understand the issue more clearly.
Received:
Received...
From:
From
Subject:
Subject
Body:
Body
Connected to aaron@undocumented-features.com.
Change connection
Condition
True
False
Post message in a chat or channel


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 22 - Creating a sentiment analysis flow
Save
Test
Copilot
New designer
When a new email arrives in a shared mailbox (V2)
Apply to each
Detect the language being used in text
Apply to each 2
Analyze positive or negative sentiment in text
Condition
True
False
0 Actions
Post message in a chat or channel

Send

To customerservice;

Cc

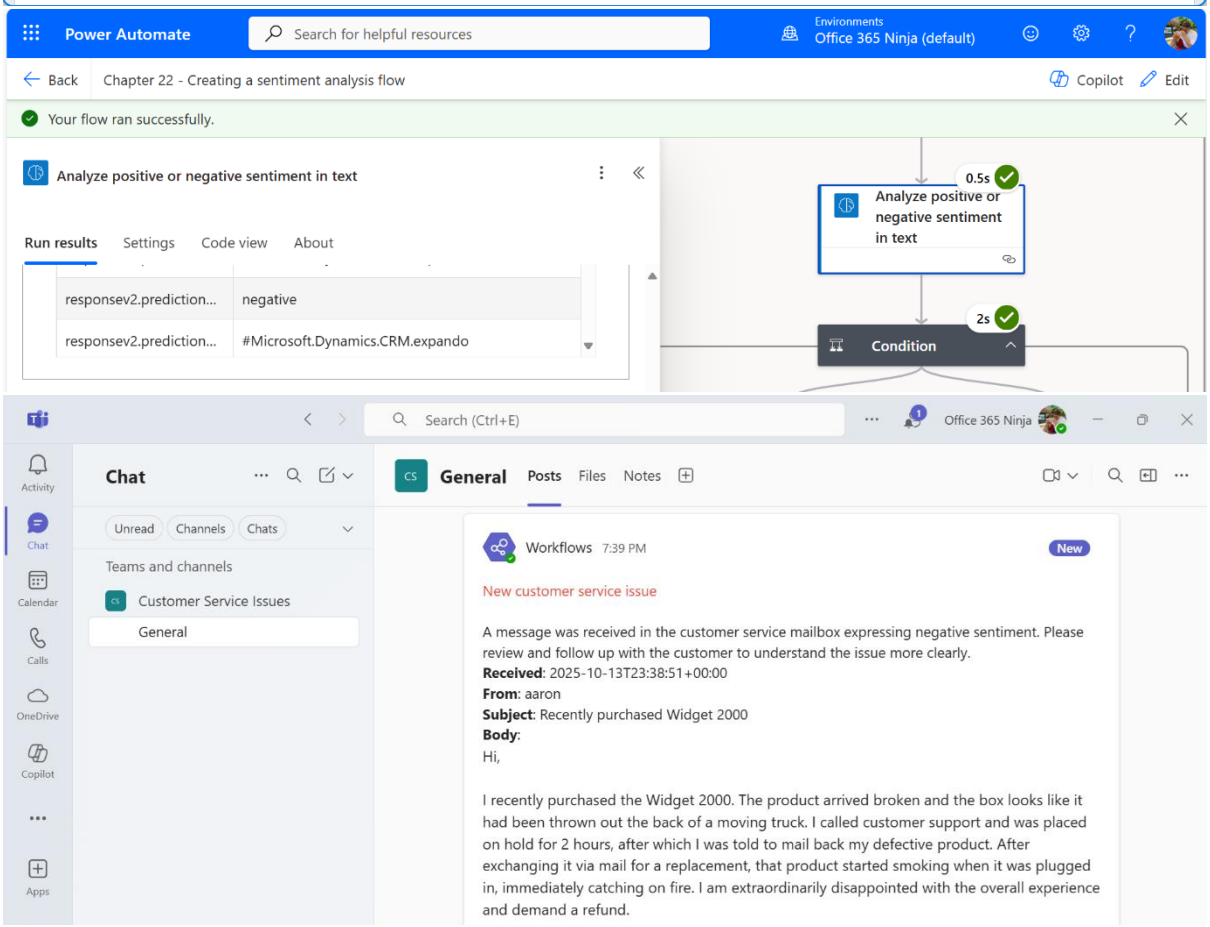
Bcc

Subject Recently purchased Widget 2000

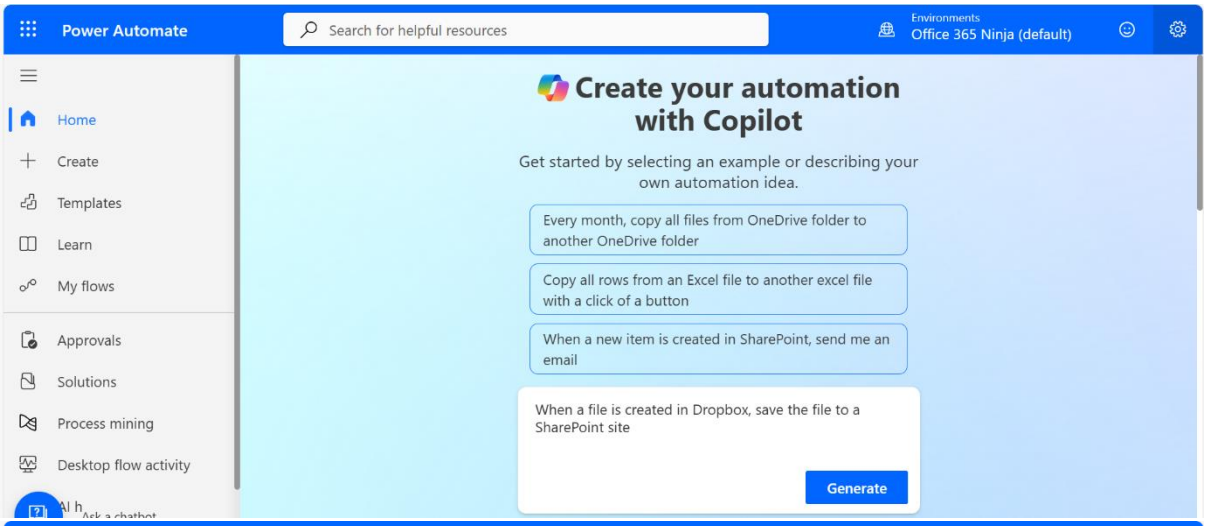
No Label

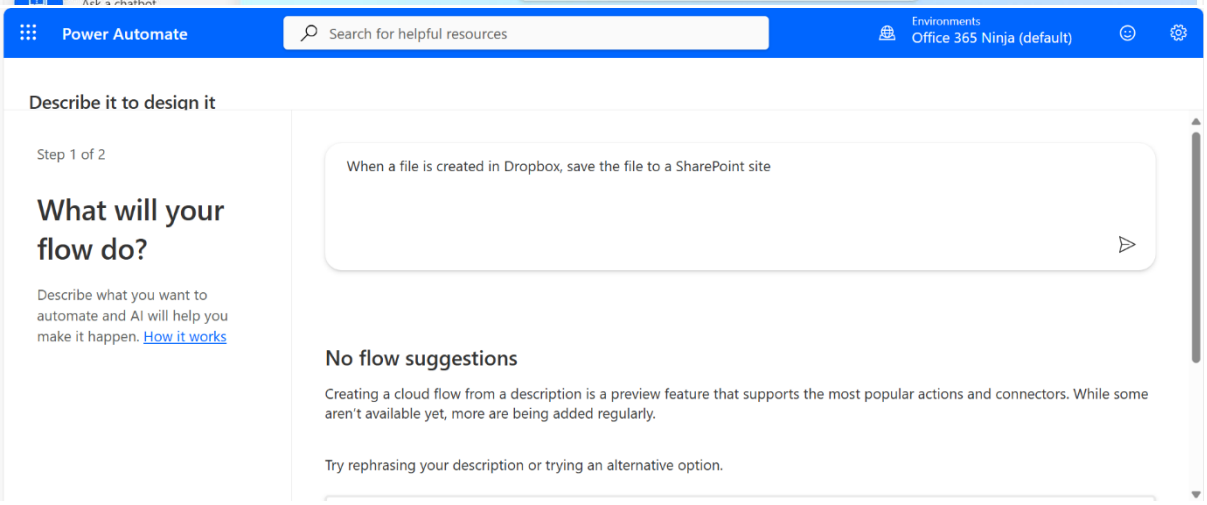
Hi,

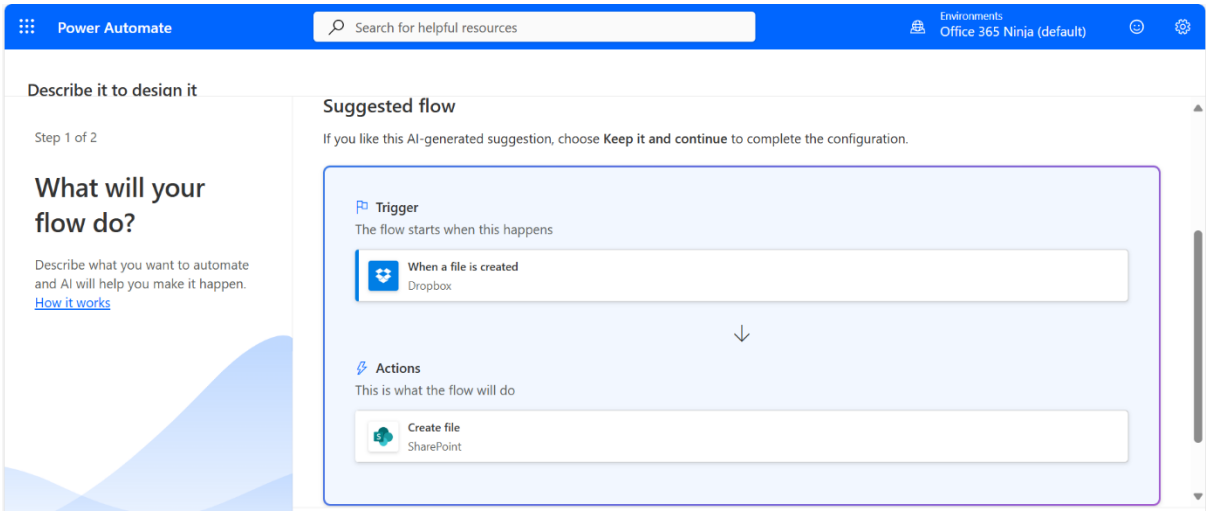
I recently purchased the Widget 2000. The product arrived broken and the box looks like it had been thrown out the back of a moving truck. I called customer support and was placed on hold for 2 hours, after which I was told to mail back my defective product. After exchanging it via mail for a replacement, that product started smoking when it was plugged in, immediately catching on fire. I am extraordinarily disappointed with the overall experience and demand a refund.

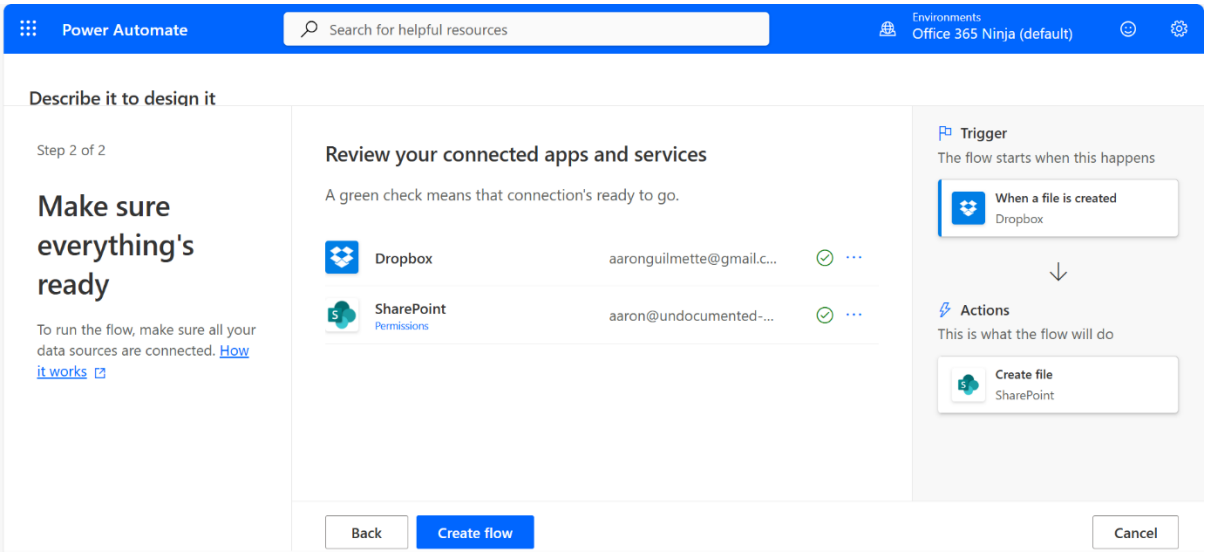


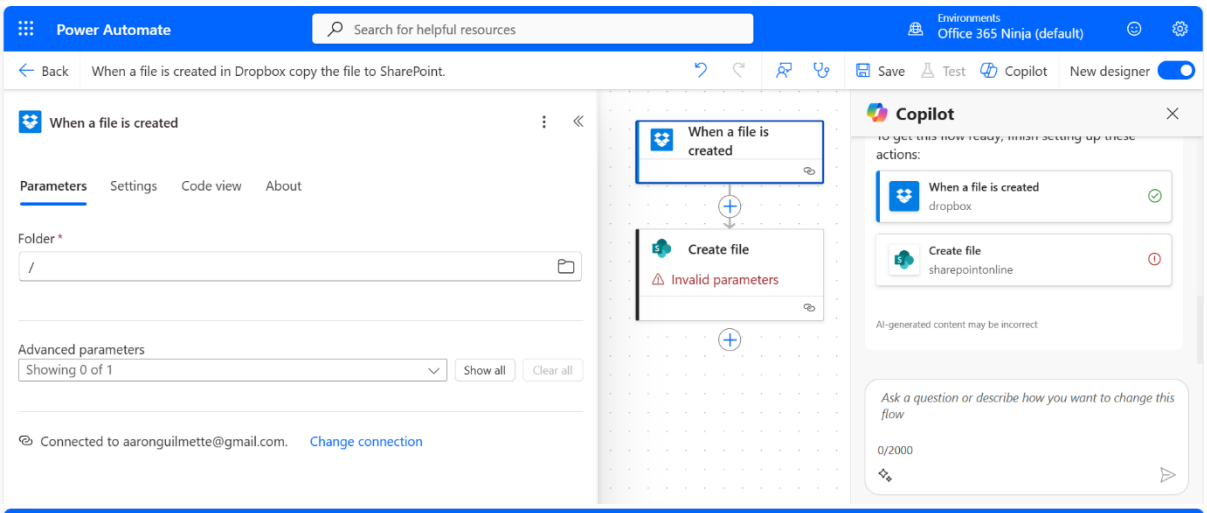
# Chapter 23: Using Copilot to Create and Manage Flows

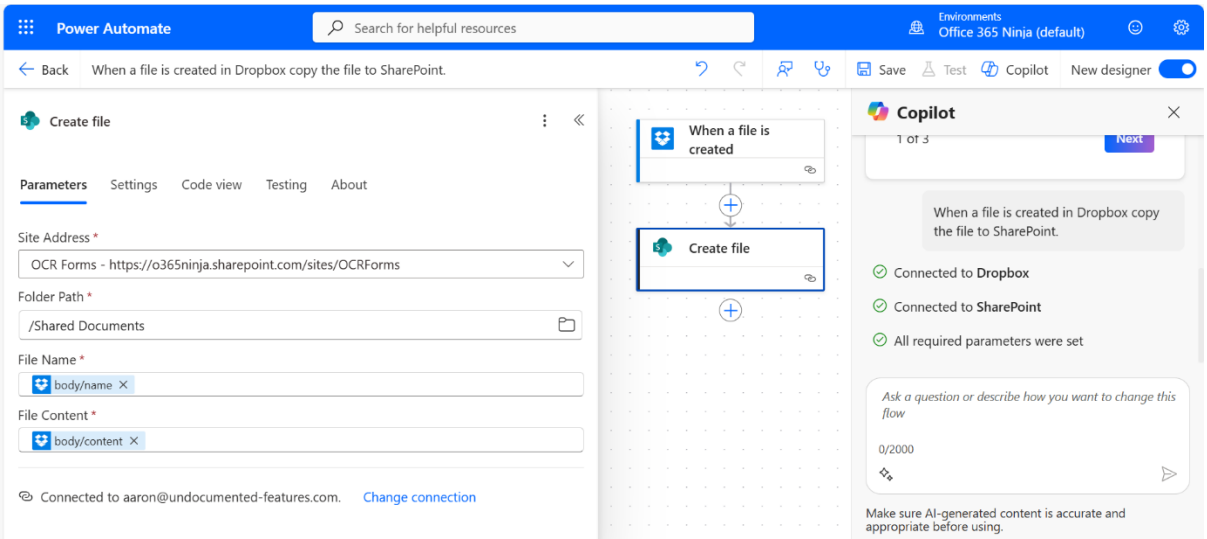


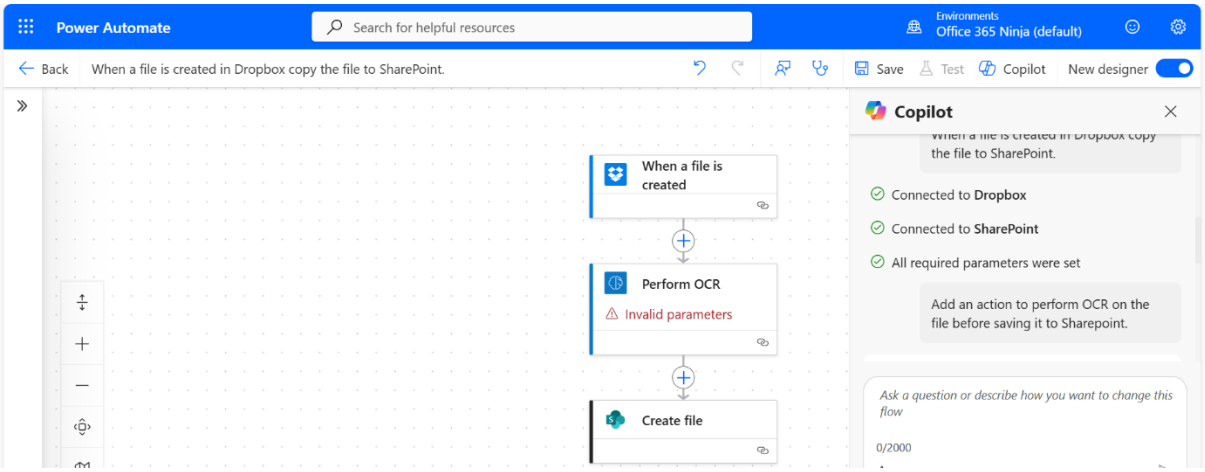



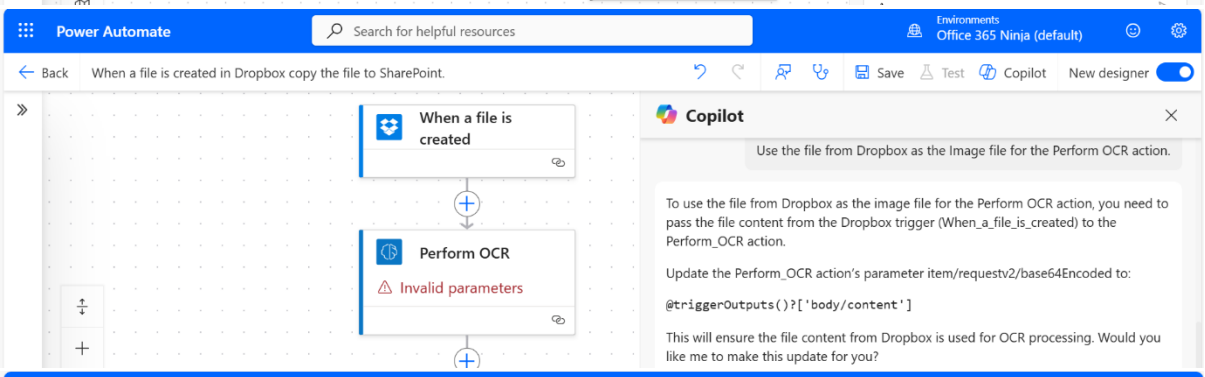



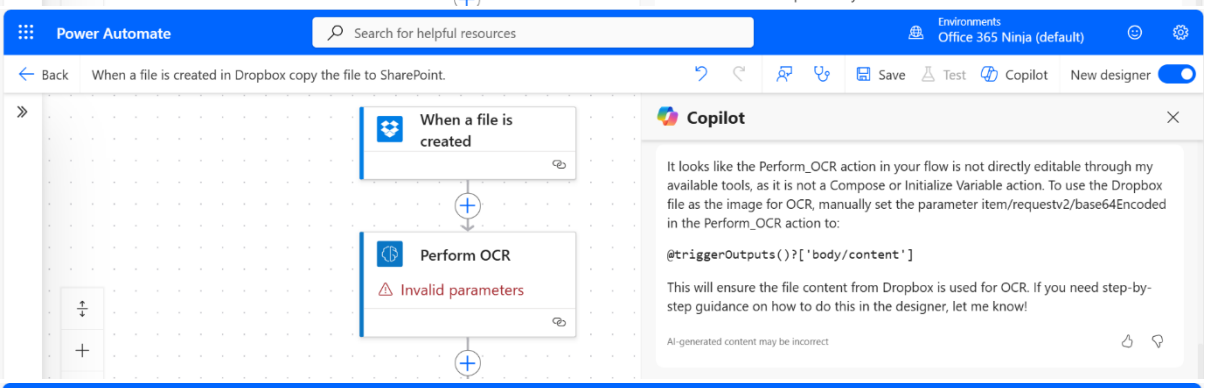

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Describe it to design it
Step 2 of 2
Make sure everything's ready
To run the flow, make sure all your data sources are connected. How it works
Review your connected apps and services
A green check means that connection's ready to go.
Dropbox
aaronguilmette@gmail.c...
SharePoint
Permissions
aaron@undocumented-...
Trigger
The flow starts when this happens
When a file is created
Dropbox
Actions
This is what the flow will do
Create file
SharePoint
Back
Create flow
Cancel

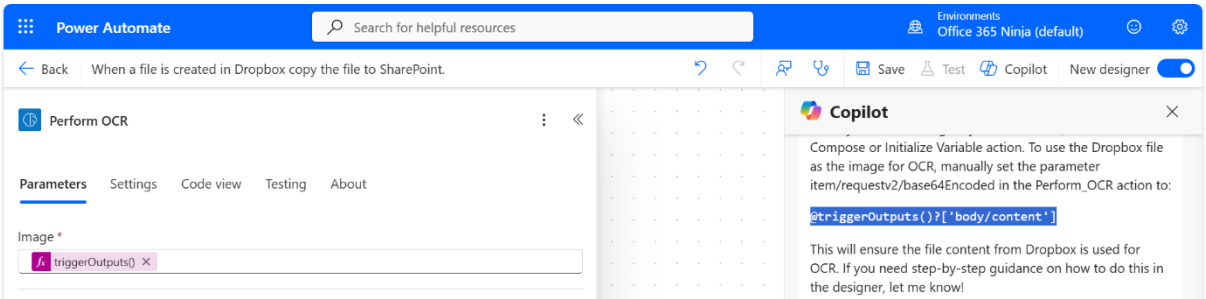

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
When a file is created
Parameters
Settings
Code view
About
Folder *
/
Advanced parameters
Showing 0 of 1
Show all
Clear all
Connected to aaronguilmette@gmail.com.
Change connection
When a file is created
Create file
Invalid parameters
Copilot
actions:
When a file is created
dropbox
Create file
sharepointonline
AI-generated content may be incorrect
Ask a question or describe how you want to change this flow
0/2000

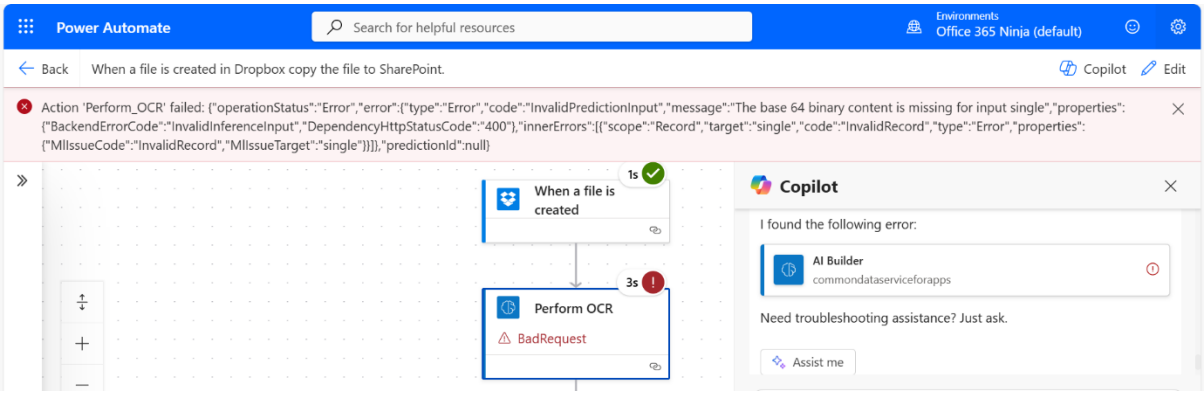

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Site Address *
OCR Forms - https://o365ninja.sharepoint.com/sites/OCRForms
Folder Path *
/Shared Documents
File Name *
body/name
File Content *
body/content
Connected to aaron@undocumented-features.com.
Change connection
When a file is created
Create file
Copilot
1 of 3
Next
When a file is created in Dropbox copy the file to SharePoint.
Connected to Dropbox
Connected to SharePoint
All required parameters were set
Ask a question or describe how you want to change this flow
0/2000
Make sure AI-generated content is accurate and appropriate before using.

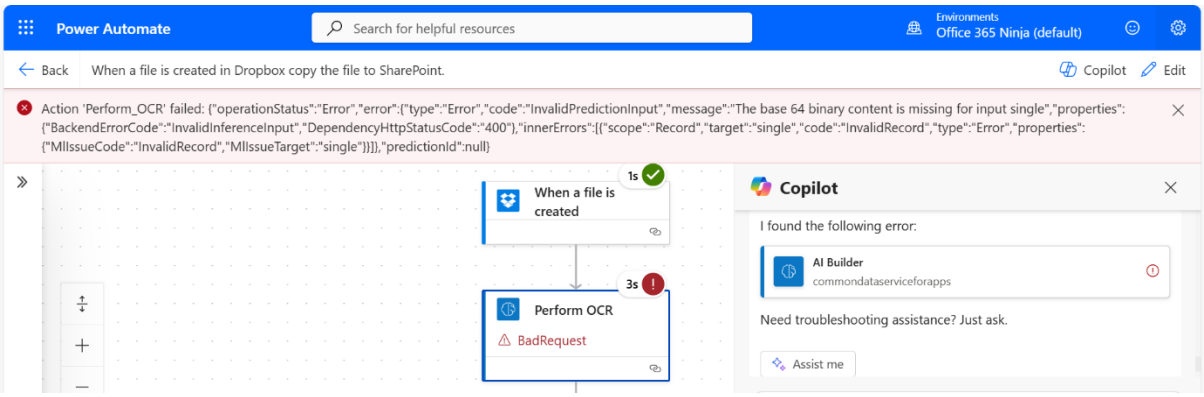

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
When a file is created
Perform OCR
Invalid parameters
Create file
Copilot
the file to SharePoint.
Connected to Dropbox
Connected to SharePoint
All required parameters were set
Add an action to perform OCR on the file before saving it to Sharepoint.
Ask a question or describe how you want to change this flow
0/2000

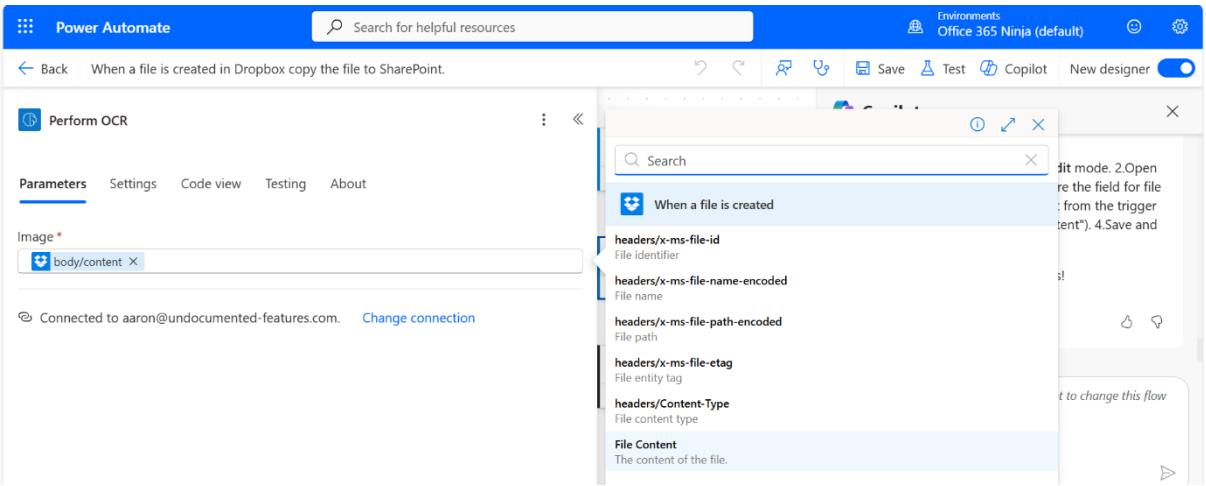

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
When a file is created
Perform OCR
Invalid parameters
Copilot
Use the file from Dropbox as the Image file for the Perform OCR action.
To use the file from Dropbox as the image file for the Perform OCR action, you need to pass the file content from the Dropbox trigger (When_a_file_is_created) to the Perform_OCR action.
Update the Perform_OCR action's parameter item/requestv2/base64Encoded to:
@triggerOutputs()?['body/content']
This will ensure the file content from Dropbox is used for OCR processing. Would you like me to make this update for you?

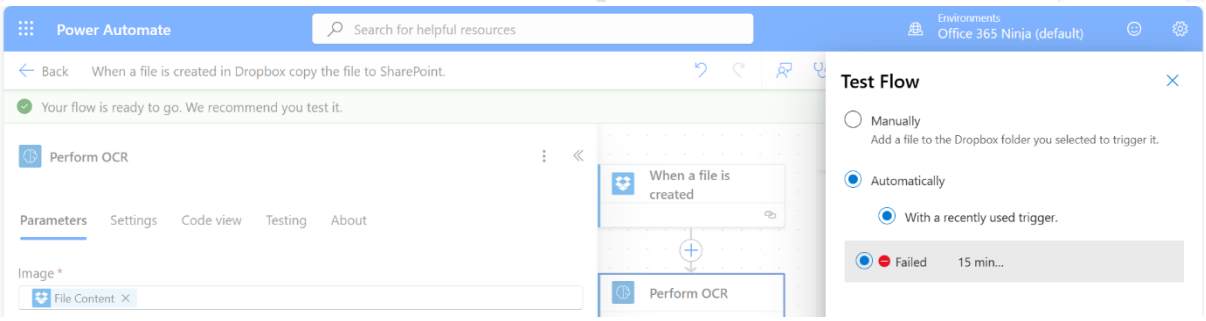

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
When a file is created
Perform OCR
Invalid parameters
Copilot
It looks like the Perform_OCR action in your flow is not directly editable through my available tools, as it is not a Compose or Initialize Variable action. To use the Dropbox file as the image for OCR, manually set the parameter item/requestv2/base64Encoded in the Perform_OCR action to:
@triggerOutputs()?['body/content']
This will ensure the file content from Dropbox is used for OCR. If you need step-by-step guidance on how to do this in the designer, let me know!
AI-generated content may be incorrect

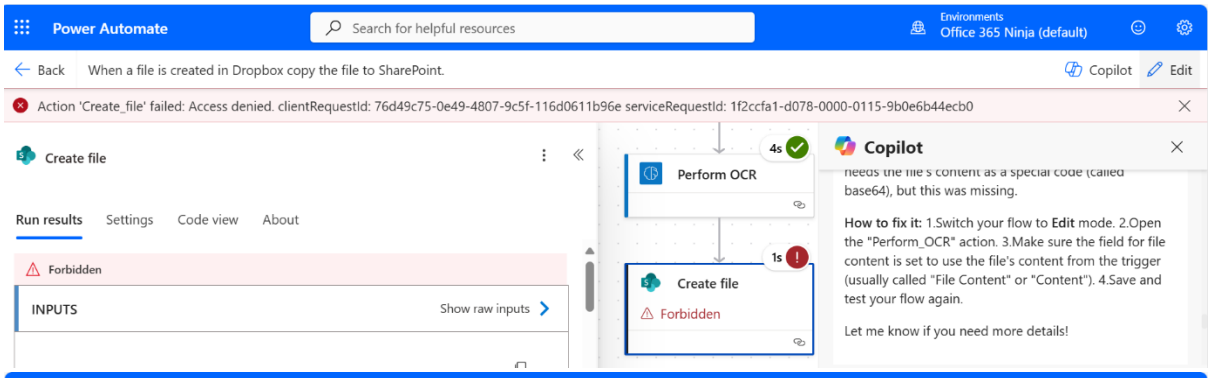

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
Perform OCR
Parameters
Settings
Code view
Testing
About
Image *
triggerOutputs()
Copilot
Compose or Initialize Variable action. To use the Dropbox file as the image for OCR, manually set the parameter item/requestv2/base64Encoded in the Perform_OCR action to:
@triggerOutputs()?['body/content']
This will ensure the file content from Dropbox is used for OCR. If you need step-by-step guidance on how to do this in the designer, let me know!

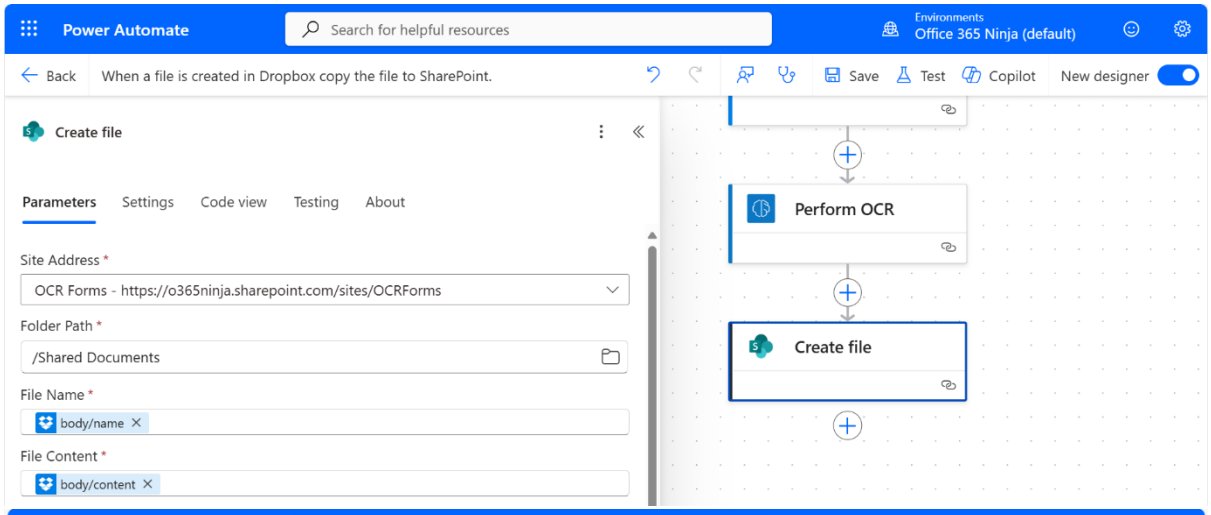

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Copilot
Edit
Action 'Perform_OCR' failed: {"operationStatus":"Error","error":{"type":"Error","code":"InvalidPredictionInput","message":"The base 64 binary content is missing for input single","properties":{"BackendErrorCode":"InvalidInferenceInput","DependencyHttpStatusCode":"400"},"innerErrors":[{"scope":"Record","target":"single","code":"InvalidRecord","type":"Error","properties":{"MlIssueCode":"InvalidRecord","MlIssueTarget":"single"}}]},"predictionId":null}
1s
When a file is created
3s
Perform OCR
BadRequest
Copilot
I found the following error:
AI Builder
commondataserviceforapps
Need troubleshooting assistance? Just ask.
Assist me

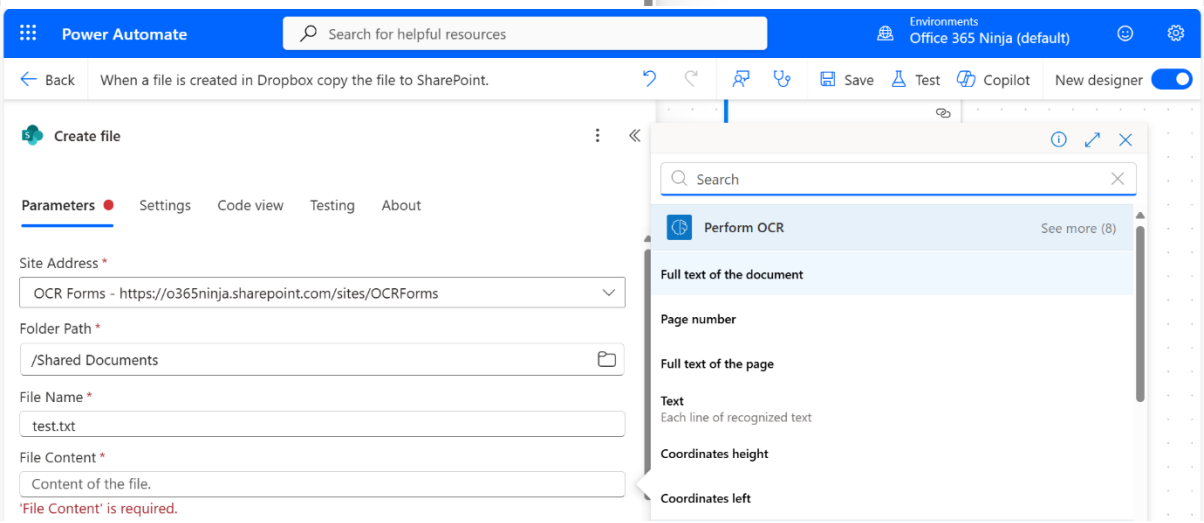

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Copilot
Edit
Action 'Perform_OCR' failed: {"operationStatus":"Error","error":{"type":"Error","code":"InvalidPredictionInput","message":"The base 64 binary content is missing for input single","properties":{"BackendErrorCode":"InvalidInferenceInput","DependencyHttpStatusCode":"400"},"innerErrors":[{"scope":"Record","target":"single","code":"InvalidRecord","type":"Error","properties":{"MlIssueCode":"InvalidRecord","MlIssueTarget":"single"}}]},"predictionId":null}
1s
When a file is created
3s
Perform OCR
BadRequest
Copilot
I found the following error:
AI Builder
commondataserviceforapps
Need troubleshooting assistance? Just ask.
Assist me

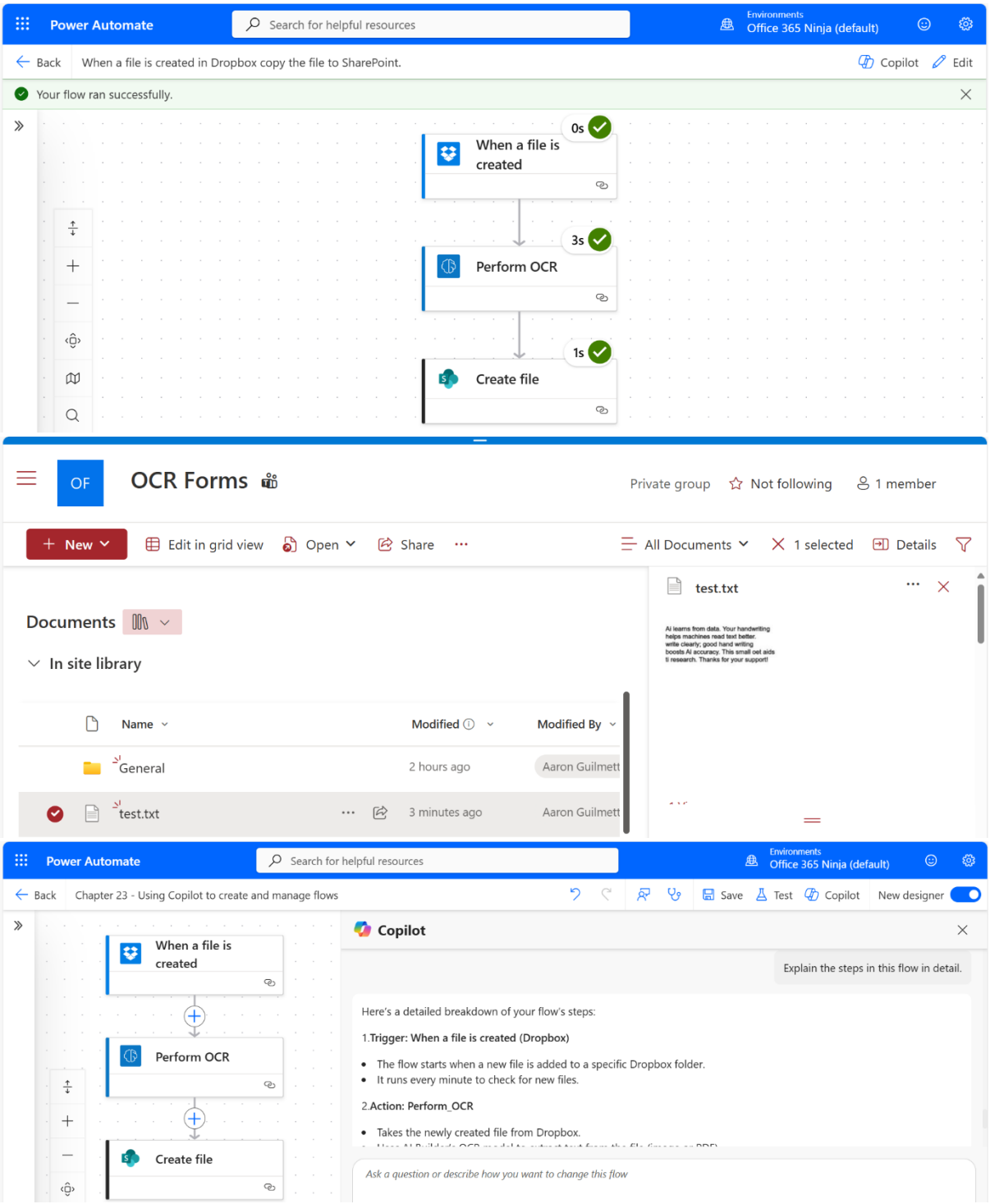

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
Perform OCR
Parameters
Settings
Code view
Testing
About
Image *
body/content
Connected to aaron@undocumented-features.com.
Change connection
Search
When a file is created
headers/x-ms-file-id
File identifier
headers/x-ms-file-name-encoded
File name
headers/x-ms-file-path-encoded
File path
headers/x-ms-file-etag
File entity tag
headers/Content-Type
File content type
File Content
The content of the file.

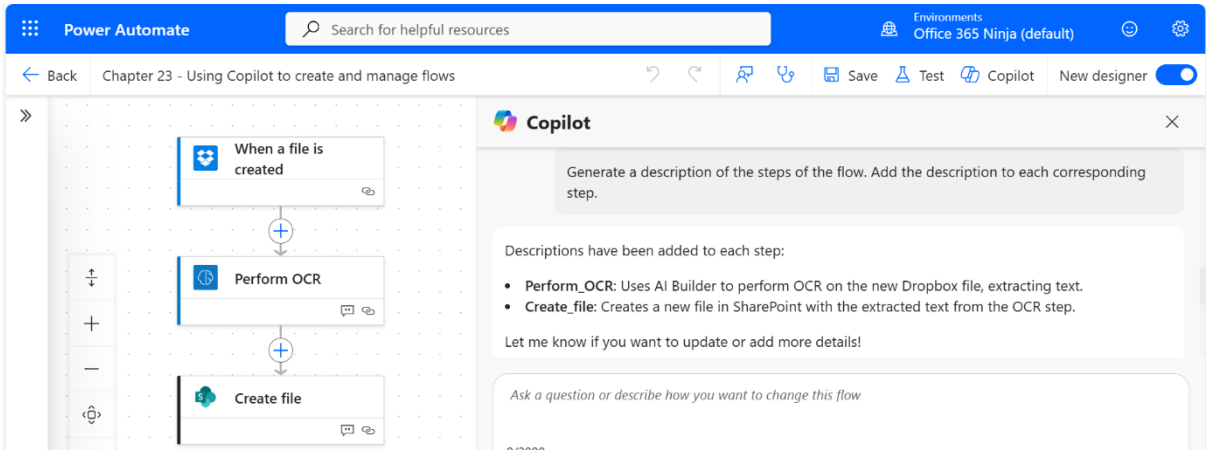

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Your flow is ready to go. We recommend you test it.
Perform OCR
Parameters
Settings
Code view
Testing
About
Image *
File Content
When a file is created
Perform OCR
Test Flow
Manually
Add a file to the Dropbox folder you selected to trigger it.
Automatically
With a recently used trigger.
Failed
15 min...


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Copilot
Edit
Action 'Create_file' failed: Access denied. clientRequestId: 76d49c75-0e49-4807-9c5f-116d0611b96e serviceRequestId: 1f2ccfa1-d078-0000-0115-9b0e6b44ecb0
Create file
Run results
Settings
Code view
About
Forbidden
INPUTS
Show raw inputs
4s
Perform OCR
1s
Create file
Forbidden
Copilot
base64), but this was missing.
How to fix it: 1.Switch your flow to Edit mode. 2.Open the "Perform_OCR" action. 3.Make sure the field for file content is set to use the file's content from the trigger (usually called "File Content" or "Content"). 4.Save and test your flow again.
Let me know if you need more details!

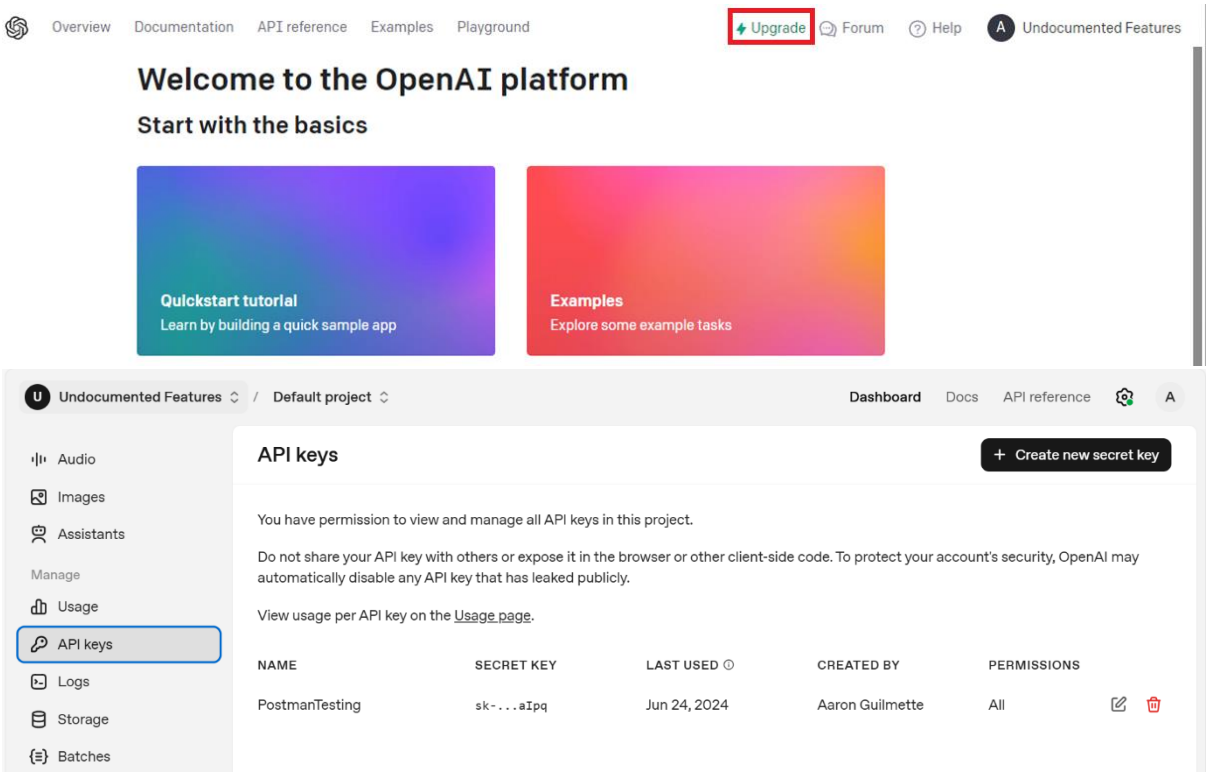

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Site Address *
OCR Forms - https://o365ninja.sharepoint.com/sites/OCRForms
Folder Path *
/Shared Documents
File Name *
body/name
File Content *
body/content
Perform OCR
Create file


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Site Address *
OCR Forms - https://o365ninja.sharepoint.com/sites/OCRForms
Folder Path *
/Shared Documents
File Name *
test.txt
File Content *
Content of the file.
'File Content' is required.
Search
Perform OCR
See more (8)
Full text of the document
Page number
Full text of the page
Text
Each line of recognized text
Coordinates height
Coordinates left


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
When a file is created in Dropbox copy the file to SharePoint.
Copilot
Edit
Your flow ran successfully.
0s
When a file is created
3s
Perform OCR
1s
Create file
OF
OCR Forms
Private group
Not following
1 member
New
Edit in grid view
Open
Share
All Documents
1 selected
Details
Documents
In site library
Name
Modified
Modified By
General
2 hours ago
Aaron Guilmett
test.txt
3 minutes ago
Aaron Guilmett
test.txt
AI learns from data. Your handwriting helps machines read text better. write clearly; good hand writing boosts AI accuracy. This small oet aids ti research. Thanks for your support!
Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 23 - Using Copilot to create and manage flows
Save
Test
Copilot
New designer
When a file is created
Perform OCR
Create file
Copilot
Explain the steps in this flow in detail.
Here's a detailed breakdown of your flow's steps:
1.Trigger: When a file is created (Dropbox)
The flow starts when a new file is added to a specific Dropbox folder.
It runs every minute to check for new files.
2.Action: Perform_OCR
Takes the newly created file from Dropbox.
Ask a question or describe how you want to change this flow


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 23 - Using Copilot to create and manage flows
Save
Test
Copilot
New designer
When a file is created
Perform OCR
Create file
Copilot
Generate a description of the steps of the flow. Add the description to each corresponding step.
Descriptions have been added to each step:
Perform_OCR: Uses AI Builder to perform OCR on the new Dropbox file, extracting text.
Create_file: Creates a new file in SharePoint with the extracted text from the OCR step.
Let me know if you want to update or add more details!
Ask a question or describe how you want to change this flow

# Chapter 24: Using Generative AI to Summarize Documents



## Save your key

Please save your secret key in a safe place since **you won't be able to view it again.** Keep it secure, as anyone with your API key can make requests on your behalf. If you do lose it, you'll need to generate a new one.

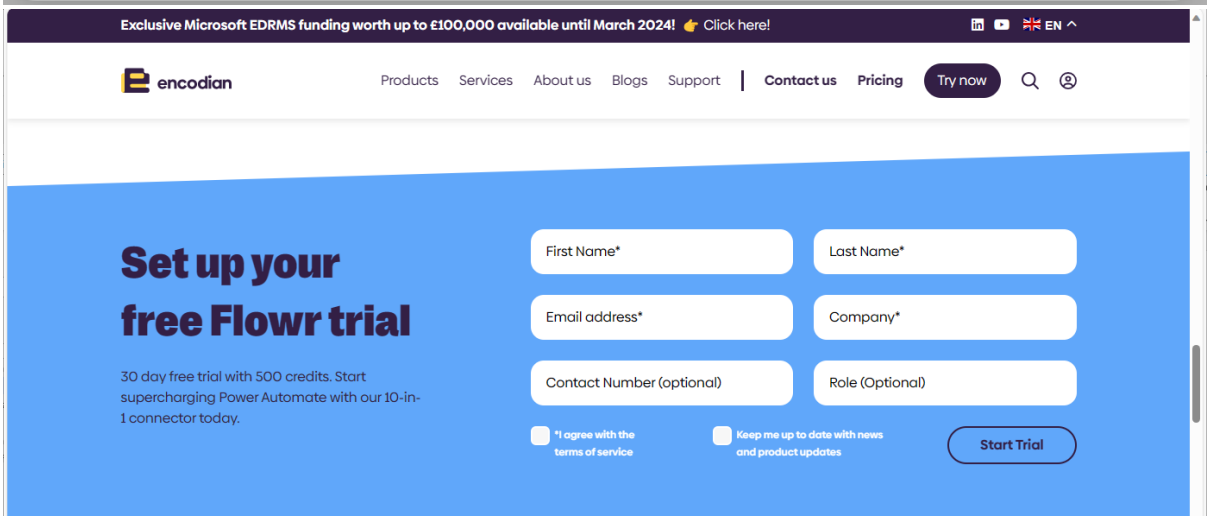
Learn more about API key best practices

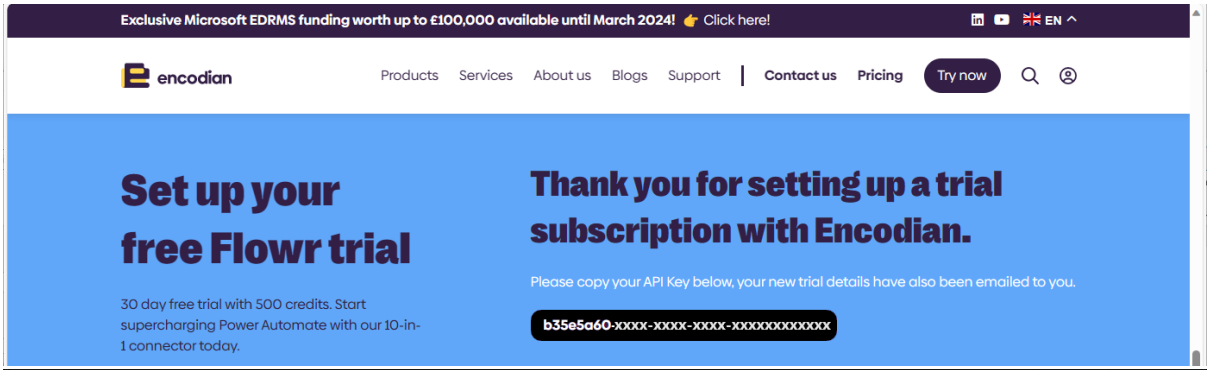
sk-proj-qXGIWVI9VG-QhIc59fmBCwGYT› Copy

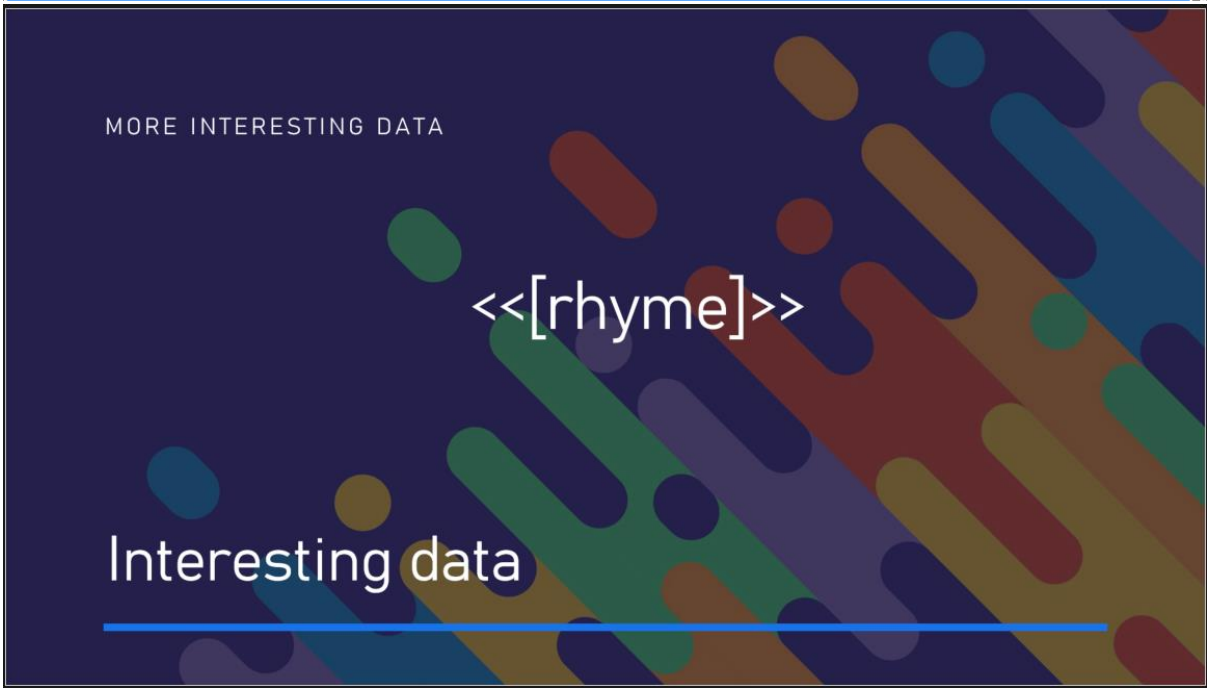
### Permissions

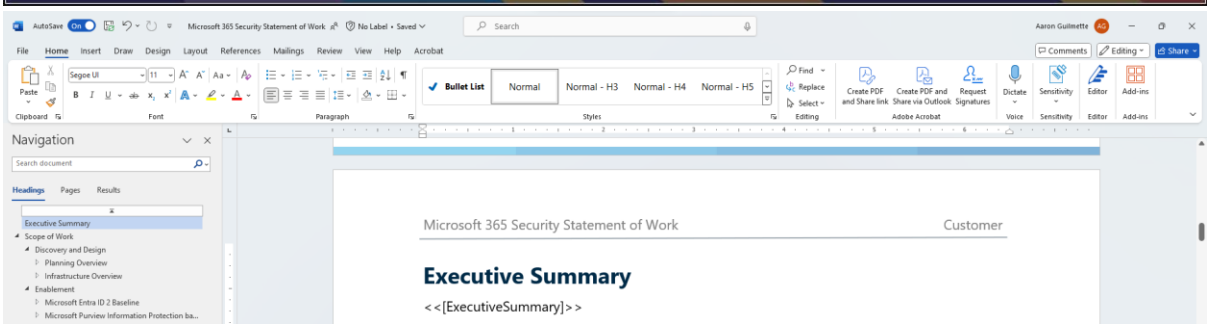
Read and write API resources

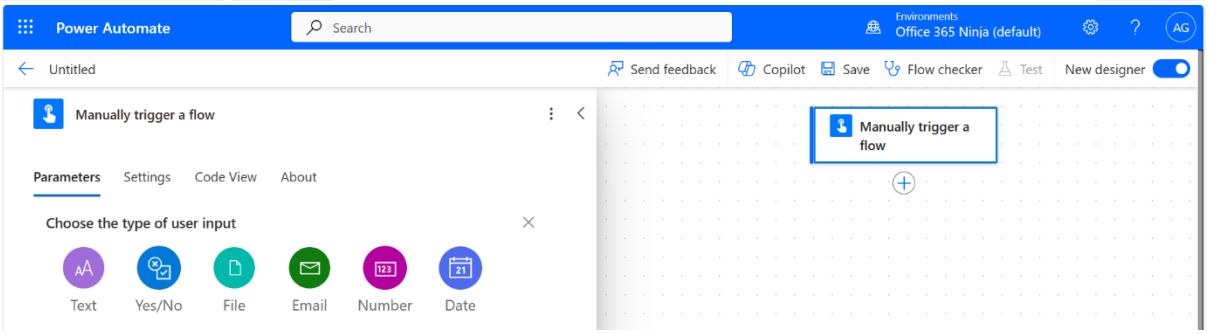
Done

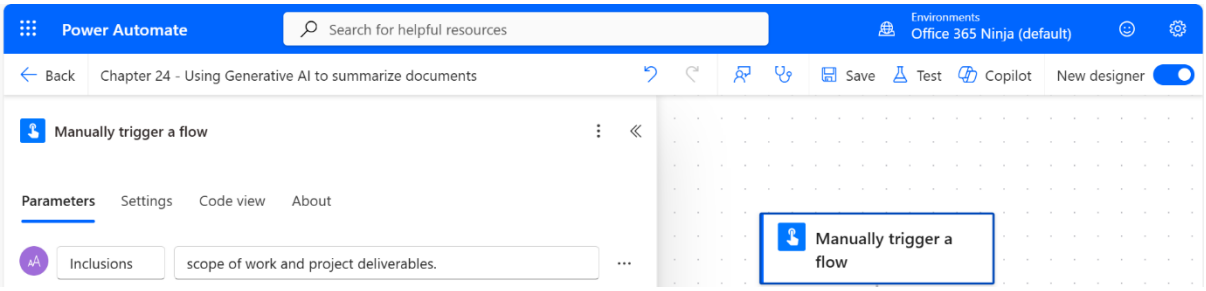


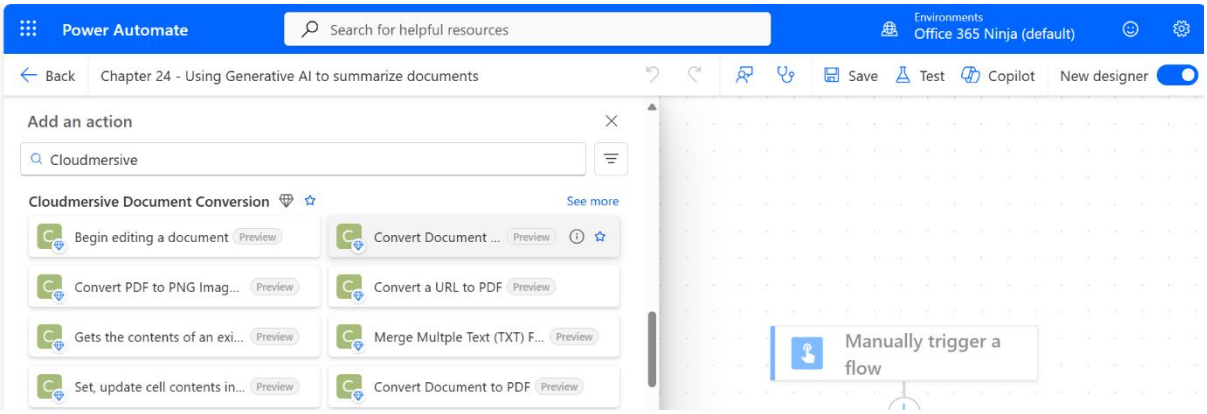

Exclusive Microsoft EDRMS funding worth up to £100,000 available until March 2024! 👉 Click here!
EN
encodian
Products
Services
About us
Blogs
Support
Contact us
Pricing
Try now
Set up your free Flowr trial
30 day free trial with 500 credits. Start supercharging Power Automate with our 10-in-1 connector today.
Thank you for setting up a trial subscription with Encodian.
Please copy your API Key below, your new trial details have also been emailed to you.
b35e5a60-xxxx-xxxx-xxxx-xxxxxxxxxxxx

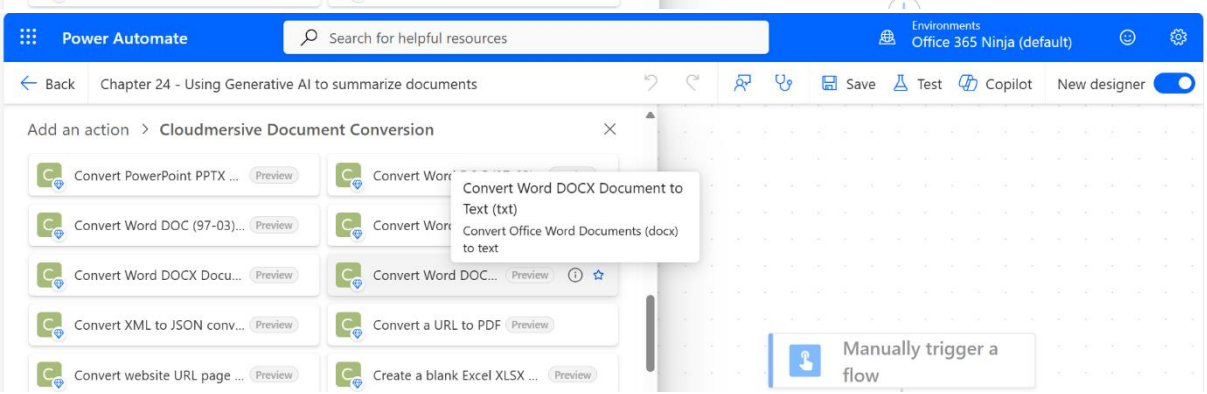

MORE INTERESTING DATA
<<[rhyme]>>
Interesting data

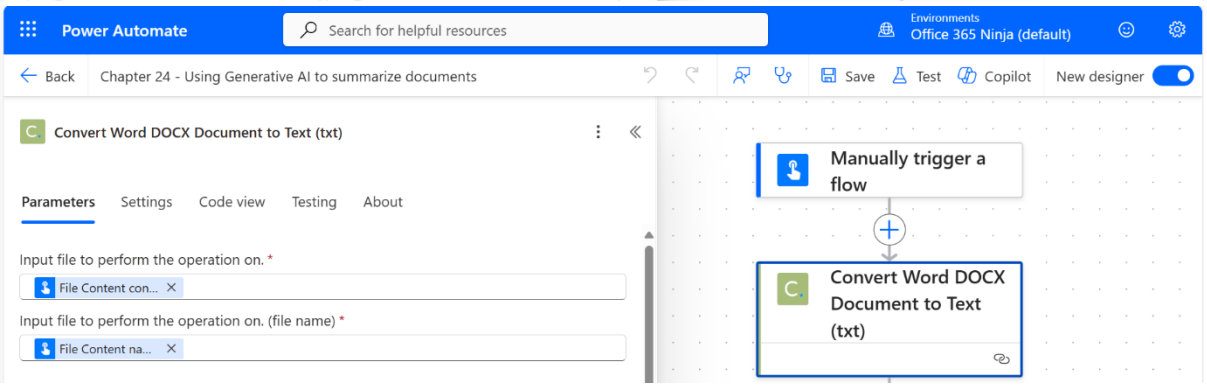

Navigation
Microsoft 365 Security Statement of Work
Customer
Executive Summary
<<[ExecutiveSummary]>>


Power Automate
Search
Environments
Office 365 Ninja (default)
Untitled
Send feedback
Copilot
Save
Flow checker
Test
New designer
Manually trigger a flow
Parameters
Settings
Code View
About
Choose the type of user input
Text
Yes/No
File
Email
Number
Date
Manually trigger a flow


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
Manually trigger a flow
Parameters
Settings
Code view
About
Inclusions
scope of work and project deliverables.
Manually trigger a flow


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
Add an action
Cloudmersive
Cloudmersive Document Conversion
See more
Begin editing a document
Preview
Convert Document ...
Convert PDF to PNG Imag...
Convert a URL to PDF
Gets the contents of an exi...
Merge Multple Text (TXT) F...
Set, update cell contents in...
Convert Document to PDF
Manually trigger a flow


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
Add an action
Cloudmersive Document Conversion
Convert PowerPoint PPTX ...
Convert Word DOC (97-03)...
Convert Word DOCX Docu...
Convert Word DOC...
Convert XML to JSON conv...
Convert a URL to PDF
Convert website URL page ...
Create a blank Excel XLSX ...
Convert Word DOCX Document to Text (txt)
Convert Office Word Documents (docx) to text
Manually trigger a flow


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
Convert Word DOCX Document to Text (txt)
Parameters
Settings
Code view
Testing
About
Input file to perform the operation on. *
File Content con...
Input file to perform the operation on. (file name) *
File Content na...
Manually trigger a flow
Convert Word DOCX Document to Text (txt)

## Learn about language model tokenization

OpenAI's large language models process text using **tokens**, which are common sequences of characters found in a set of text. The models learn to understand the statistical relationships between these tokens, and excel at producing the next token in a sequence of tokens. Learn more.

You can use the tool below to understand how a piece of text might be tokenized by a language model, and the total count of tokens in that piece of text.

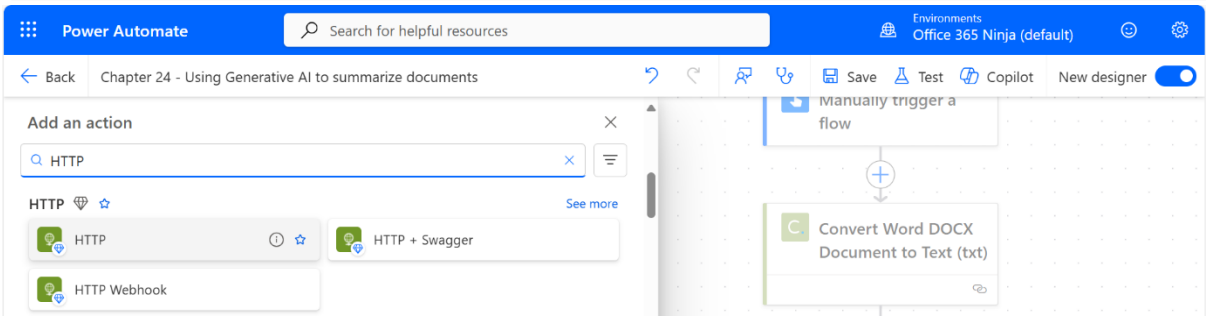
GPT-4o & GPT-4o mini | GPT-3.5 & GPT-4 | GPT-3 (Legacy)

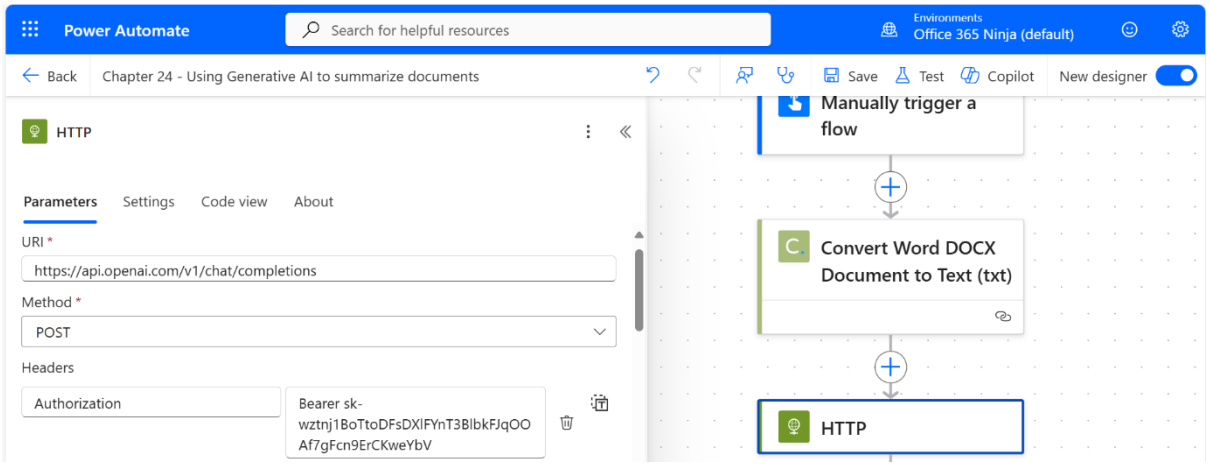
Seventy-six trombones led the big parade with a hundred and ten cornets close at hand. They were followed by rows and rows of the finest virtuosos, the cream of ev'ry famous band.

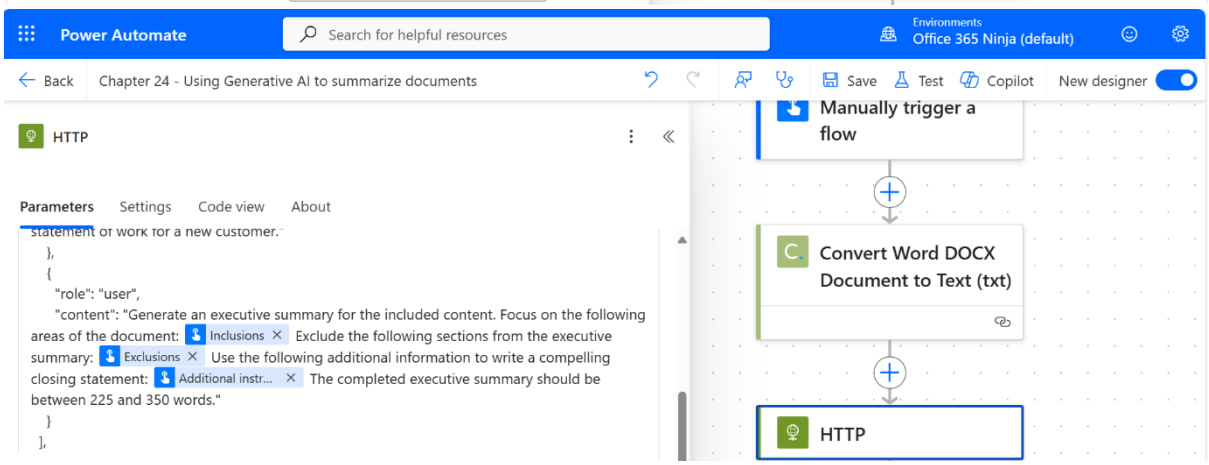
Clear | Show example

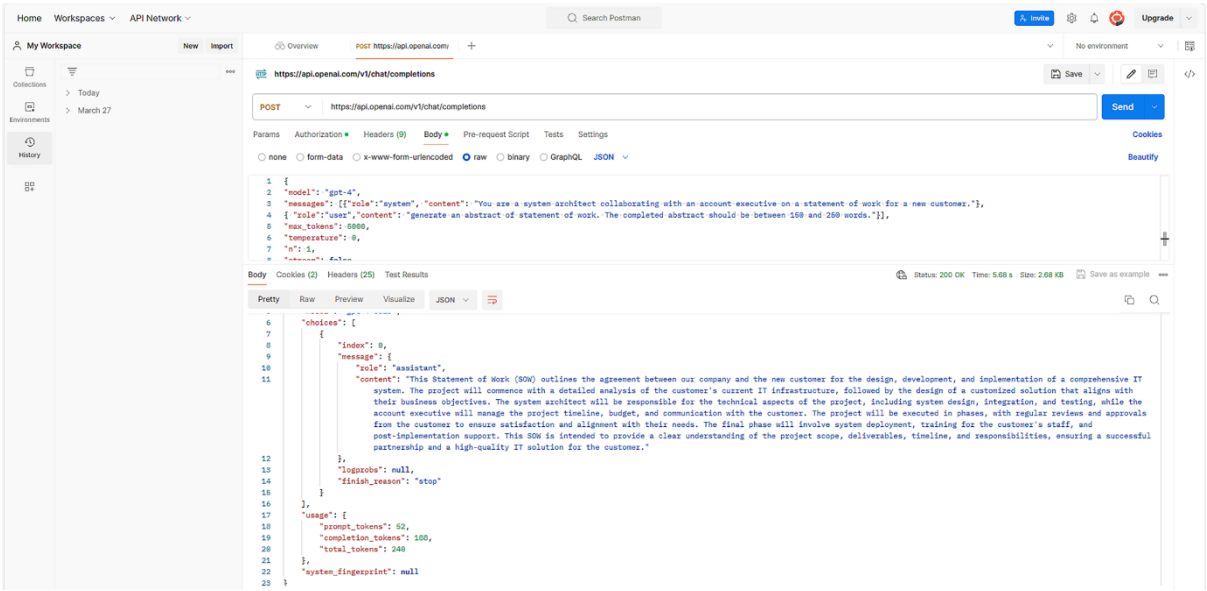
**Tokens** 42 **Characters** 179

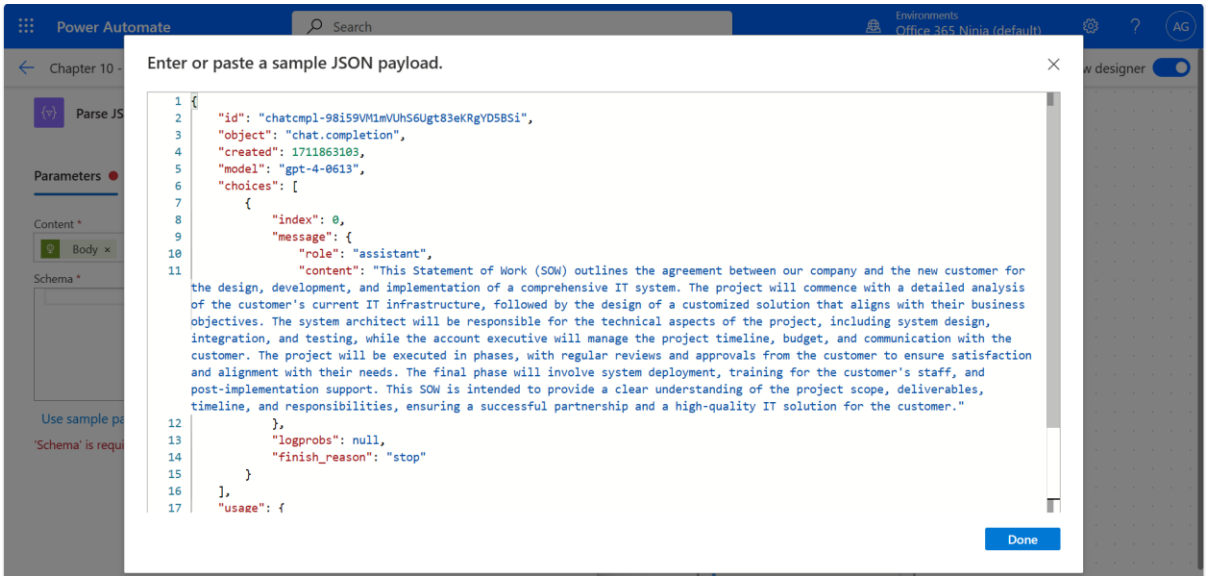
Seventy-six trombones led the big parade with a hundred and ten cornets close at hand. They were followed by rows and rows of the finest virtuosos, the cream of ev'ry famous band.

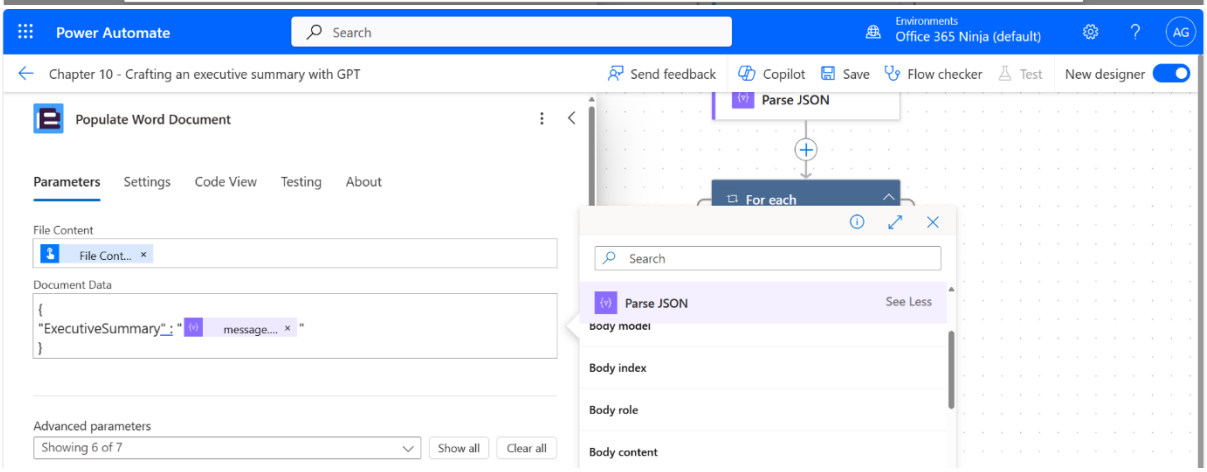


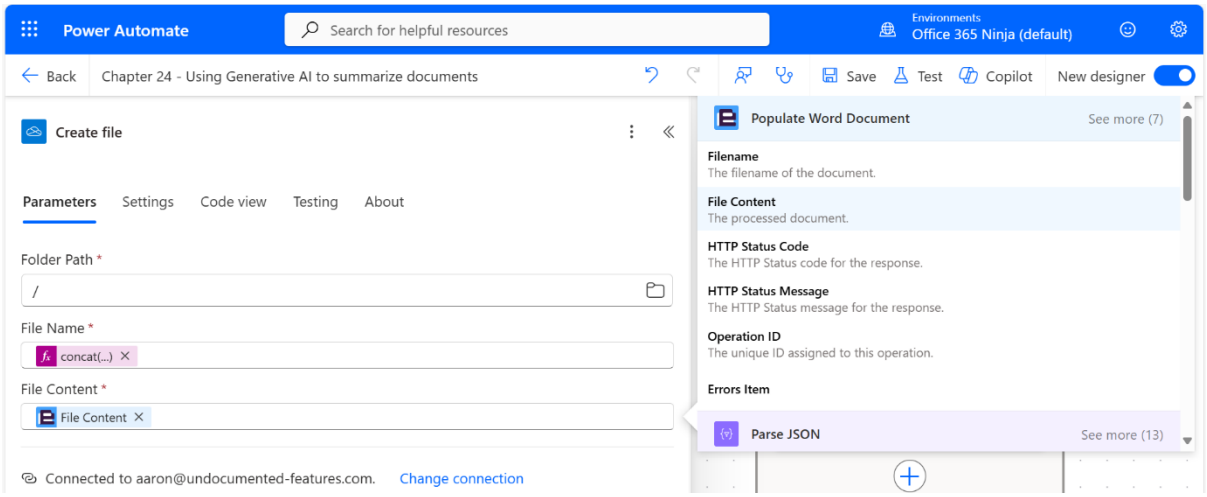

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
HTTP
Parameters
Settings
Code view
About
URI *
https://api.openai.com/v1/chat/completions
Method *
POST
Headers
Authorization
Bearer sk-wztnj1BoToDFsDXlFYnT3BlbkFJqOOAf7gFcn9ErCKweYbV
Manually trigger a flow
Convert Word DOCX Document to Text (txt)
HTTP

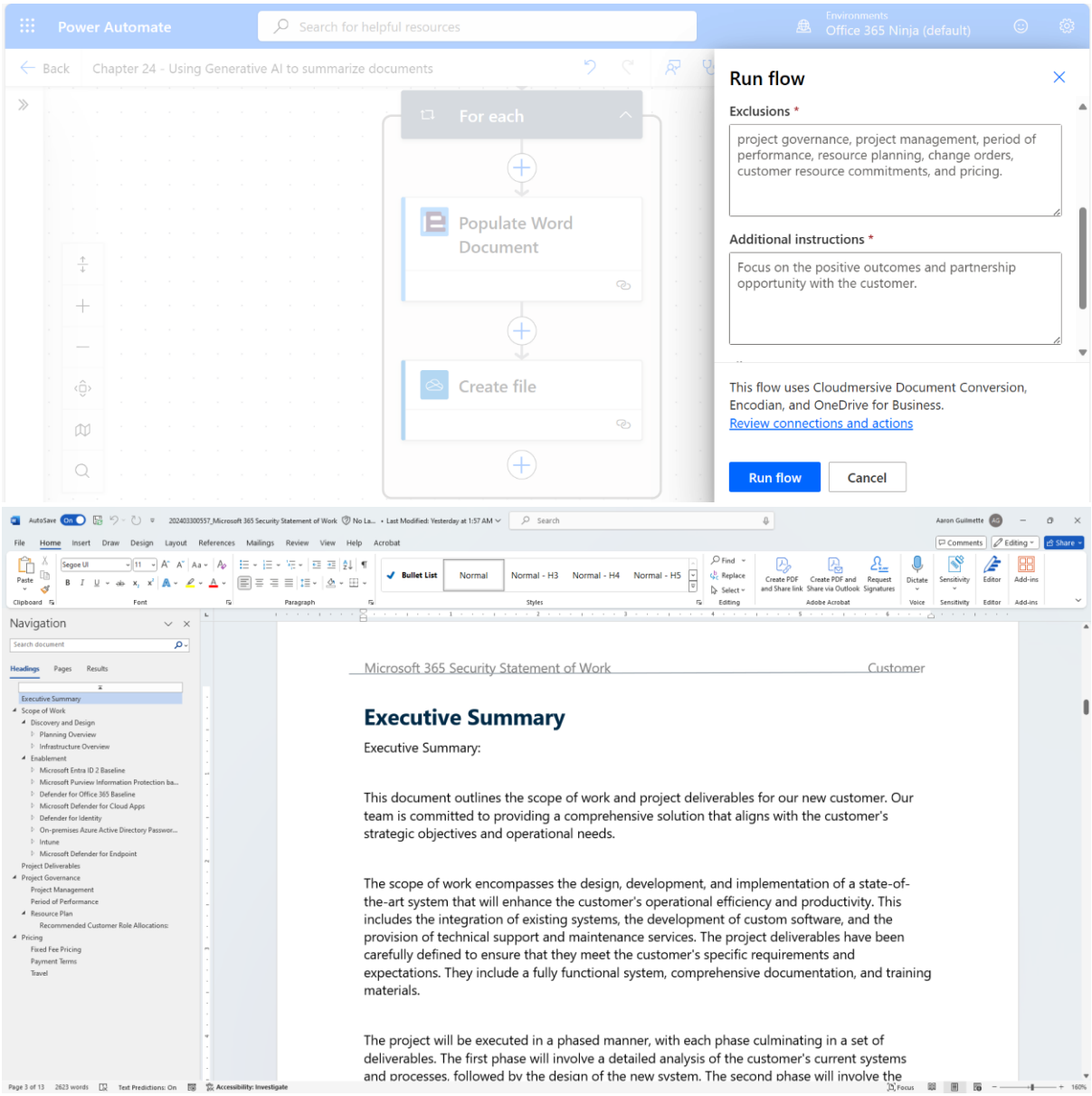

Power Automate
Search for helpful resources
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Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
HTTP
Parameters
Settings
Code view
About
statement of work for a new customer."
},
{
"role": "user",
"content": "Generate an executive summary for the included content. Focus on the following areas of the document: Inclusions Exclude the following sections from the executive summary: Exclusions Use the following additional information to write a compelling closing statement: Additional instr... The completed executive summary should be between 225 and 350 words."
}
],
Manually trigger a flow
Convert Word DOCX Document to Text (txt)
HTTP


Home
Workspaces
API Network
Search Postman
My Workspace
New
Import
https://api.openai.com/v1/chat/completions
POST
https://api.openai.com/v1/chat/completions
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
Beautify
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
{
"model": "gpt-4",
"messages": [{"role":"system", "content": "You are a system architect collaborating with an account executive on a statement of work for a new customer."},
{ "role":"user","content": "generate an abstract of statement of work. The completed abstract should be between 160 and 250 words."}],
"max_tokens": 5000,
"temperature": 0,
"n": 1,
Body
Cookies (2)
Headers (25)
Test Results
Status: 200 OK
Time: 5.68 s
Size: 2.68 KB
Save as example
Pretty
Raw
Preview
Visualize
JSON
"choices": [
{
"index": 0,
"message": {
"role": "assistant",
"content": "This Statement of Work (SOW) outlines the agreement between our company and the new customer for the design, development, and implementation of a comprehensive IT system. The project will commence with a detailed analysis of the customer's current IT infrastructure, followed by the design of a customized solution that aligns with their business objectives. The system architect will be responsible for the technical aspects of the project, including system design, integration, and testing, while the account executive will manage the project timeline, budget, and communication with the customer. The project will be executed in phases, with regular reviews and approvals from the customer to ensure satisfaction and alignment with their needs. The final phase will involve system deployment, training for the customer's staff, and post-implementation support. This SOW is intended to provide a clear understanding of the project scope, deliverables, timeline, and responsibilities, ensuring a successful partnership and a high-quality IT solution for the customer."
},
"logprobs": null,
"finish_reason": "stop"
}
],
"usage": {
"prompt_tokens": 52,
"completion_tokens": 188,
"total_tokens": 240
},
"system_fingerprint": null
}

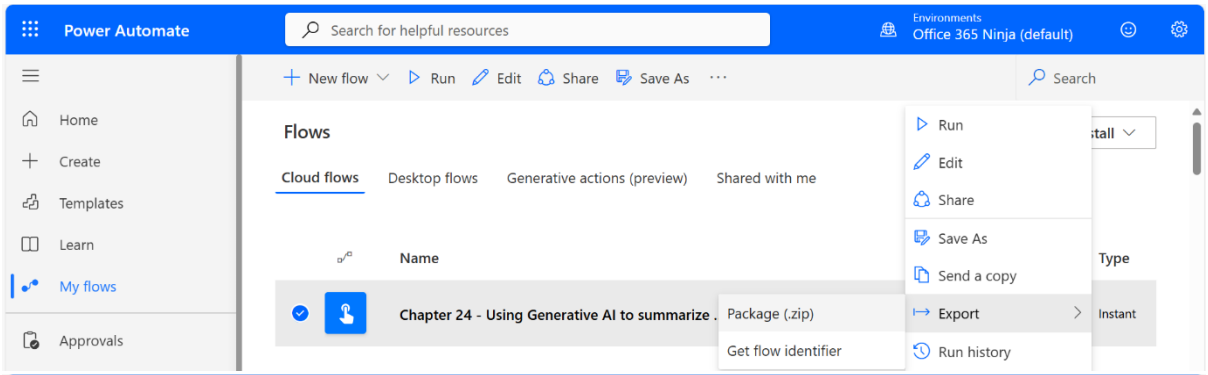

Power Automate
Search
Environments
Office 365 Ninja (default)
Chapter 10 -
Parse JS
Parameters
Content *
Body
Schema *
Use sample pa
'Schema' is requi
Enter or paste a sample JSON payload.
{
"id": "chatcmpl-98i59VM1mVUhS6Ugt83eKRgYD5BSi",
"object": "chat.completion",
"created": 1711863103,
"model": "gpt-4-0613",
"choices": [
{
"index": 0,
"message": {
"role": "assistant",
"content": "This Statement of Work (SOW) outlines the agreement between our company and the new customer for the design, development, and implementation of a comprehensive IT system. The project will commence with a detailed analysis of the customer's current IT infrastructure, followed by the design of a customized solution that aligns with their business objectives. The system architect will be responsible for the technical aspects of the project, including system design, integration, and testing, while the account executive will manage the project timeline, budget, and communication with the customer. The project will be executed in phases, with regular reviews and approvals from the customer to ensure satisfaction and alignment with their needs. The final phase will involve system deployment, training for the customer's staff, and post-implementation support. This SOW is intended to provide a clear understanding of the project scope, deliverables, timeline, and responsibilities, ensuring a successful partnership and a high-quality IT solution for the customer."
},
"logprobs": null,
"finish_reason": "stop"
}
],
"usage": {
Done


Power Automate
Search
Environments
Office 365 Ninja (default)
Chapter 10 - Crafting an executive summary with GPT
Send feedback
Copilot
Save
Flow checker
Test
New designer
Populate Word Document
Parameters
Settings
Code View
Testing
About
File Content
File Cont...
Document Data
{
"ExecutiveSummary": "
message....
"
}
Advanced parameters
Showing 6 of 7
Show all
Clear all
Parse JSON
For each
Search
Parse JSON
See Less
Body model
Body index
Body role
Body content


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
Save
Test
Copilot
New designer
Create file
Parameters
Settings
Code view
Testing
About
Folder Path *
/
File Name *
concat(...)
File Content *
File Content
Connected to aaron@undocumented-features.com.
Change connection
Populate Word Document
See more (7)
Filename
The filename of the document.
File Content
The processed document.
HTTP Status Code
The HTTP Status code for the response.
HTTP Status Message
The HTTP Status message for the response.
Operation ID
The unique ID assigned to this operation.
Errors Item
Parse JSON
See more (13)

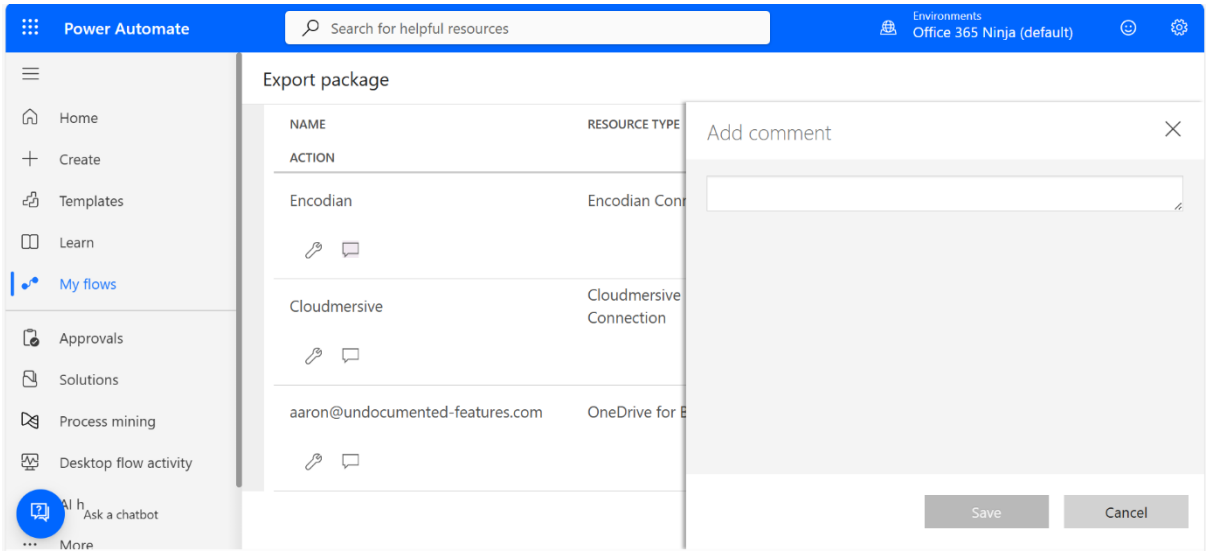

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Back
Chapter 24 - Using Generative AI to summarize documents
For each
Populate Word Document
Create file
Run flow
Exclusions *
project governance, project management, period of performance, resource planning, change orders, customer resource commitments, and pricing.
Additional instructions *
Focus on the positive outcomes and partnership opportunity with the customer.
This flow uses Cloudmersive Document Conversion, Encodian, and OneDrive for Business.
Review connections and actions
Run flow
Cancel
Navigation
Microsoft 365 Security Statement of Work
Customer
Executive Summary
Executive Summary:
This document outlines the scope of work and project deliverables for our new customer. Our team is committed to providing a comprehensive solution that aligns with the customer's strategic objectives and operational needs.
The scope of work encompasses the design, development, and implementation of a state-of-the-art system that will enhance the customer's operational efficiency and productivity. This includes the integration of existing systems, the development of custom software, and the provision of technical support and maintenance services. The project deliverables have been carefully defined to ensure that they meet the customer's specific requirements and expectations. They include a fully functional system, comprehensive documentation, and training materials.
The project will be executed in a phased manner, with each phase culminating in a set of deliverables. The first phase will involve a detailed analysis of the customer's current systems and processes, followed by the design of the new system. The second phase will involve the

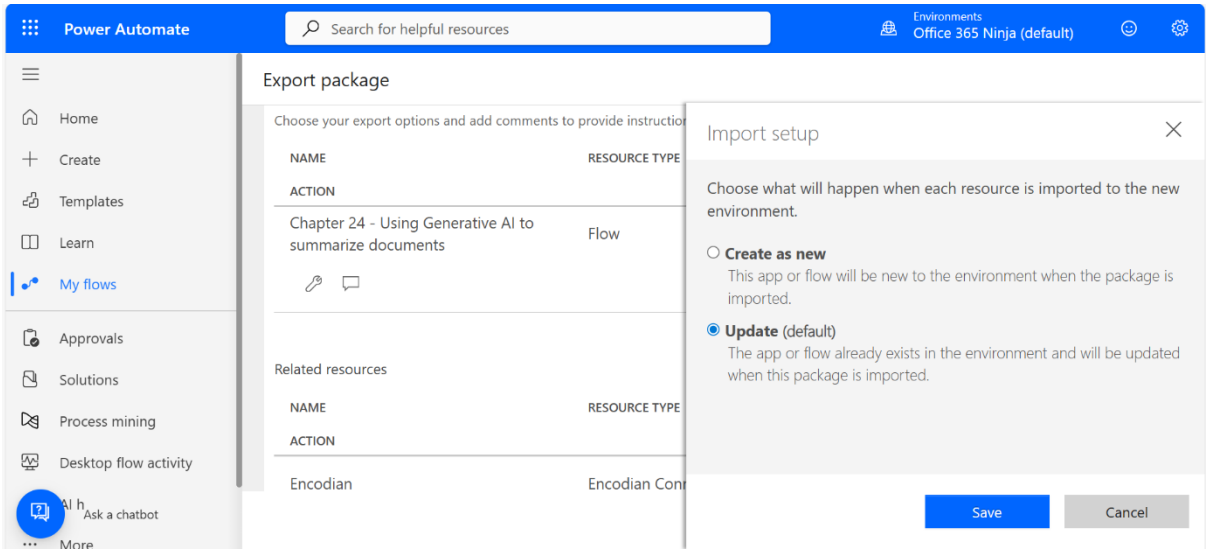
# Chapter 25: Exporting, Importing, and Distributing Flows

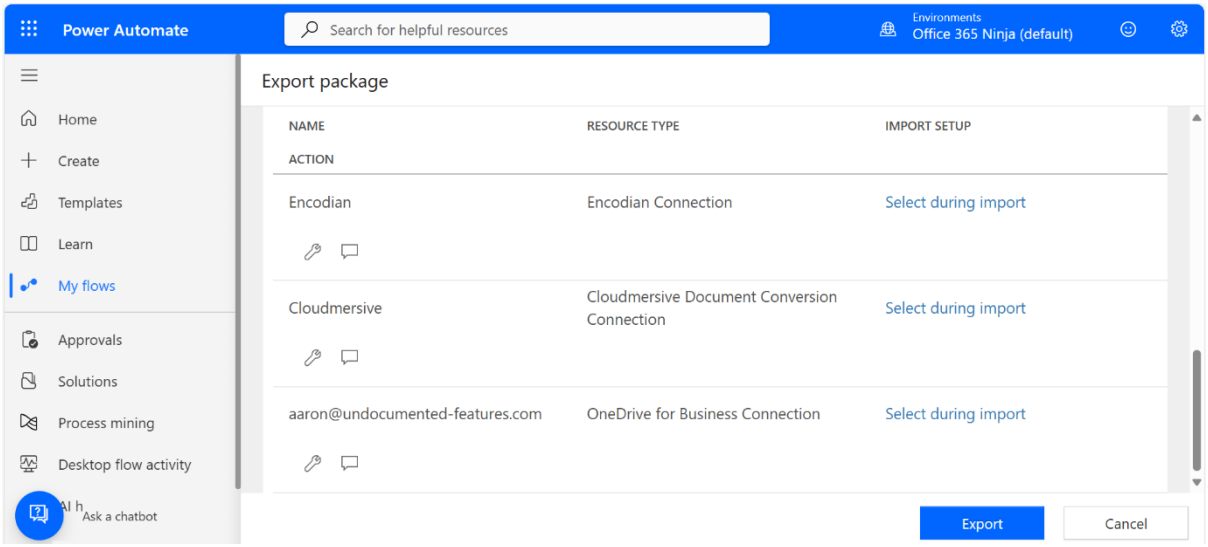


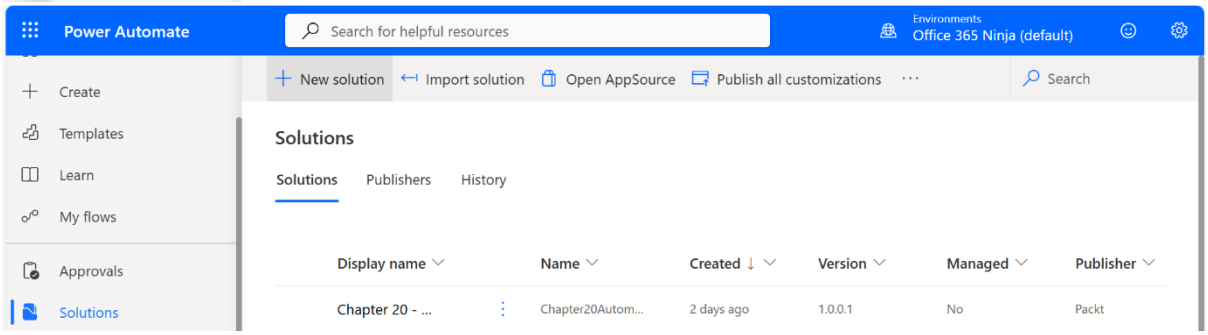


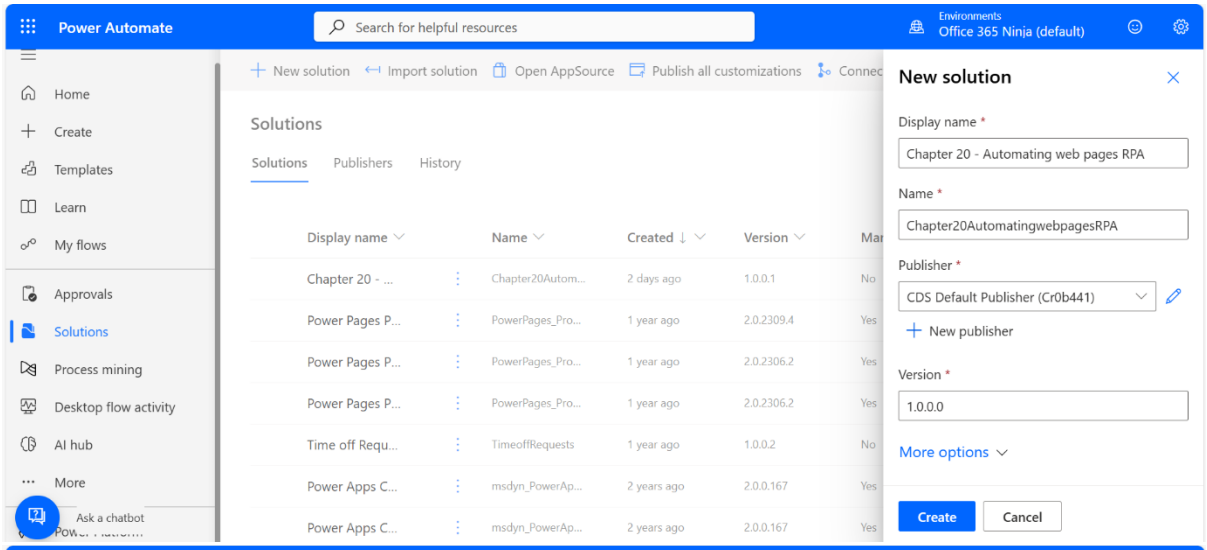


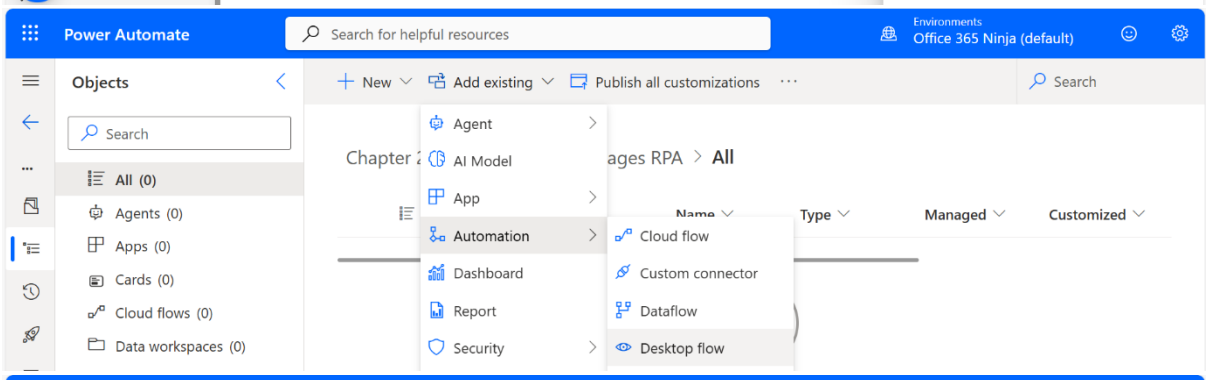


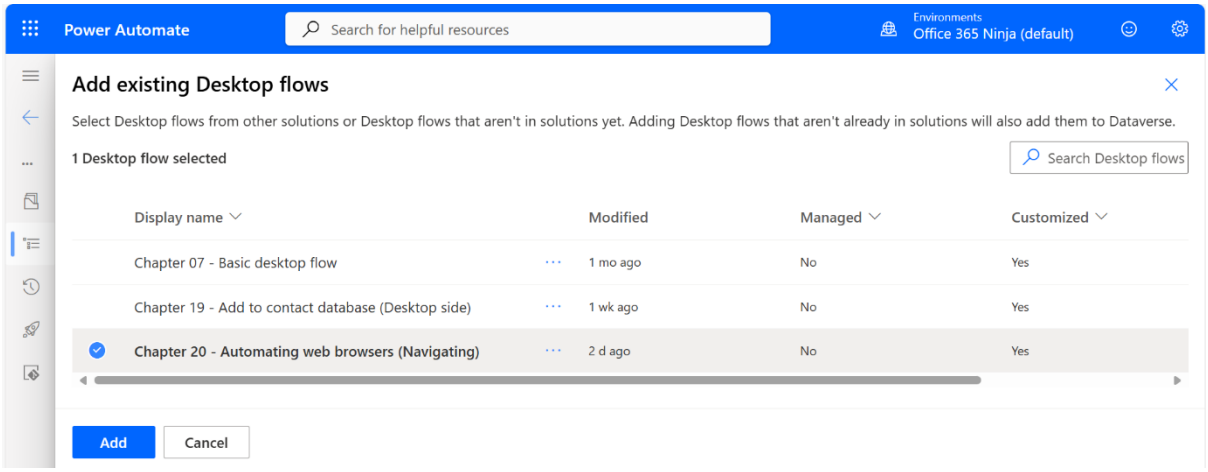

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
Ask a chatbot
More
Export package
Choose your export options and add comments to provide instructio
NAME
RESOURCE TYPE
ACTION
Chapter 24 - Using Generative AI to summarize documents
Flow
Related resources
NAME
RESOURCE TYPE
ACTION
Encodian
Encodian Con
Import setup
Choose what will happen when each resource is imported to the new environment.
Create as new
This app or flow will be new to the environment when the package is imported.
Update (default)
The app or flow already exists in the environment and will be updated when this package is imported.
Save
Cancel

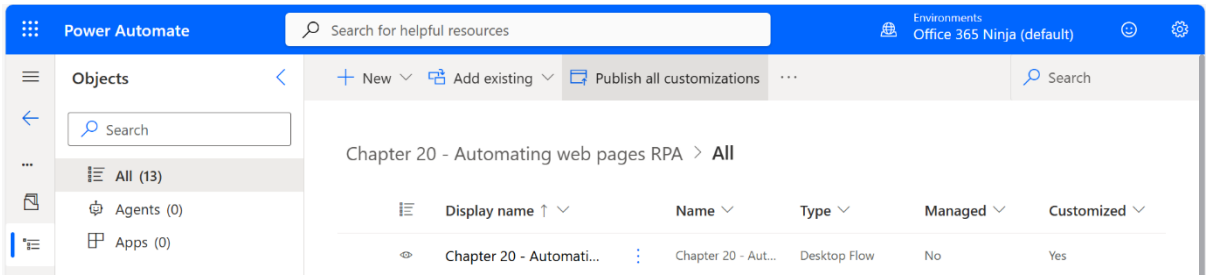

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
Ask a chatbot
Export package
NAME
RESOURCE TYPE
IMPORT SETUP
ACTION
Encodian
Encodian Connection
Select during import
Cloudmersive
Cloudmersive Document Conversion Connection
Select during import
aaron@undocumented-features.com
OneDrive for Business Connection
Select during import
Export
Cancel

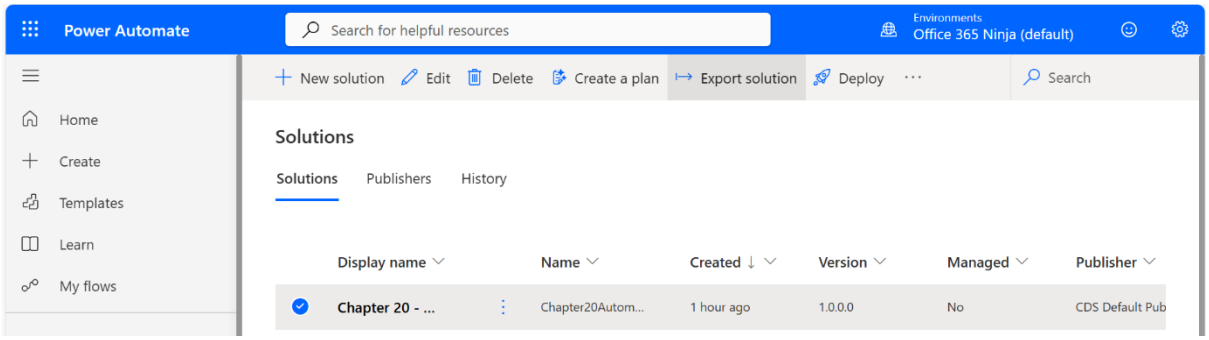

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Create
Templates
Learn
My flows
Approvals
Solutions
New solution
Import solution
Open AppSource
Publish all customizations
Search
Solutions
Solutions
Publishers
History
Display name
Name
Created
Version
Managed
Publisher
Chapter 20 - ...
Chapter20Autom...
2 days ago
1.0.0.1
No
Packt

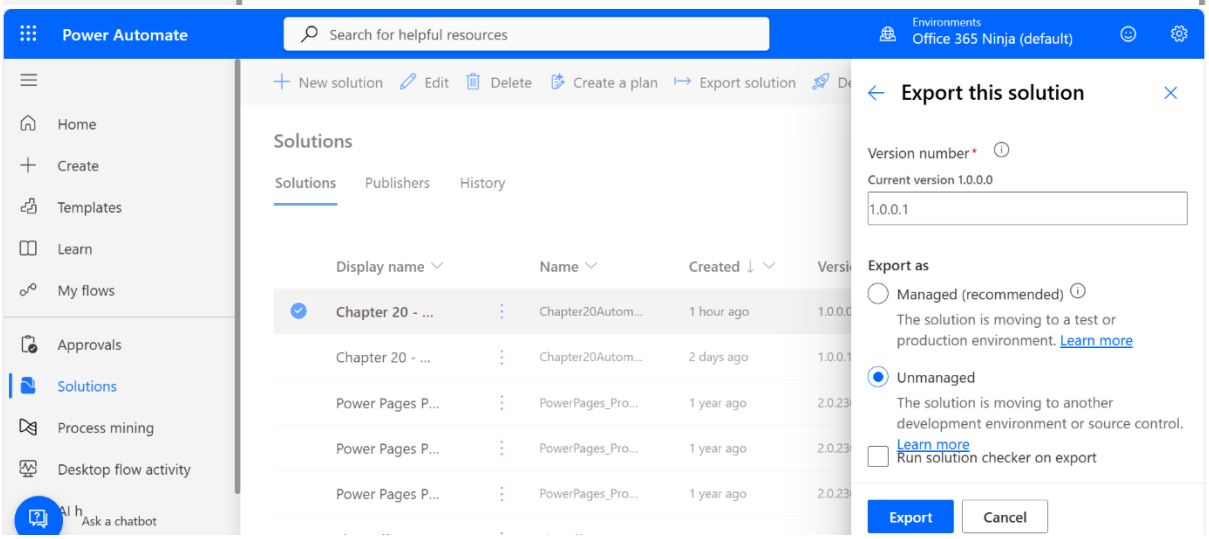

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
More
Ask a chatbot
New solution
Import solution
Open AppSource
Publish all customizations
Solutions
Solutions
Publishers
History
Display name
Name
Created
Version
Chapter 20 - ...
Power Pages P...
Time off Requ...
Power Apps C...
New solution
Display name *
Chapter 20 - Automating web pages RPA
Name *
Chapter20AutomatingwebpagesRPA
Publisher *
CDS Default Publisher (Cr0b441)
New publisher
Version *
1.0.0.0
More options
Create
Cancel

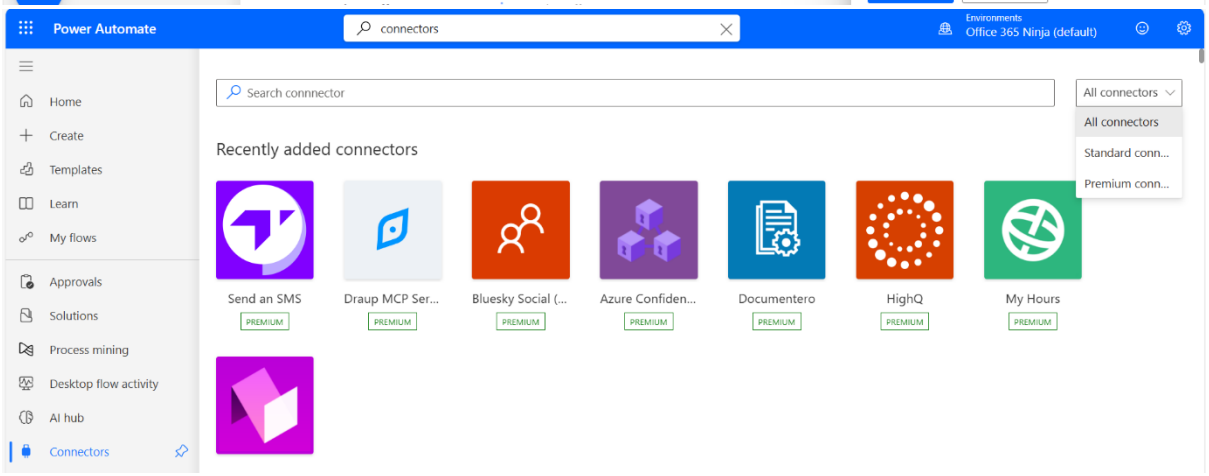

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Objects
Search
All (0)
Agents (0)
Apps (0)
Cards (0)
Cloud flows (0)
Data workspaces (0)
New
Add existing
Publish all customizations
Search
Agent
AI Model
App
Automation
Dashboard
Report
Security
Cloud flow
Custom connector
Dataflow
Desktop flow
ages RPA
All
Type
Managed
Customized

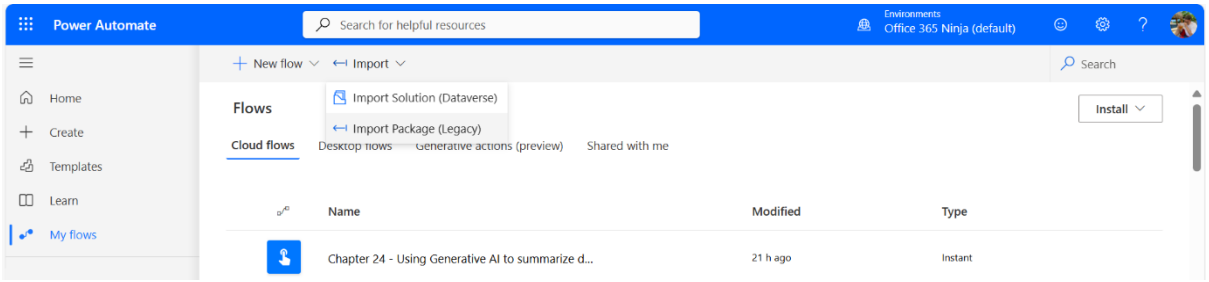

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Add existing Desktop flows
Select Desktop flows from other solutions or Desktop flows that aren't in solutions yet. Adding Desktop flows that aren't already in solutions will also add them to Dataverse.
1 Desktop flow selected
Search Desktop flows
Display name
Modified
Managed
Customized
Chapter 07 - Basic desktop flow
1 mo ago
No
Yes
Chapter 19 - Add to contact database (Desktop side)
1 wk ago
No
Yes
Chapter 20 - Automating web browsers (Navigating)
2 d ago
No
Yes
Add
Cancel

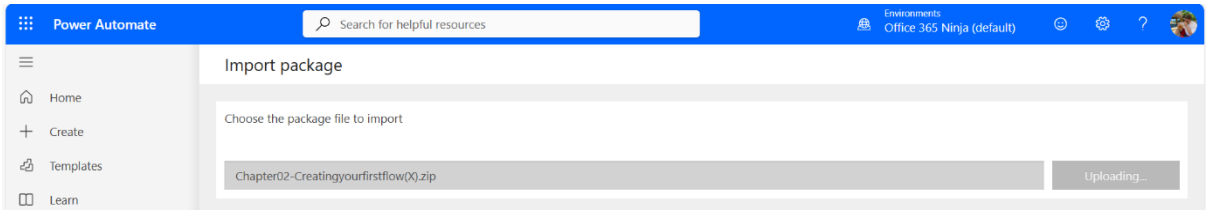

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Objects
Search
All (13)
Agents (0)
Apps (0)
New
Add existing
Publish all customizations
Search
Chapter 20 - Automating web pages RPA
All
Display name
Name
Type
Managed
Customized
Chapter 20 - Automati...
Chapter 20 - Aut...
Desktop Flow
No
Yes

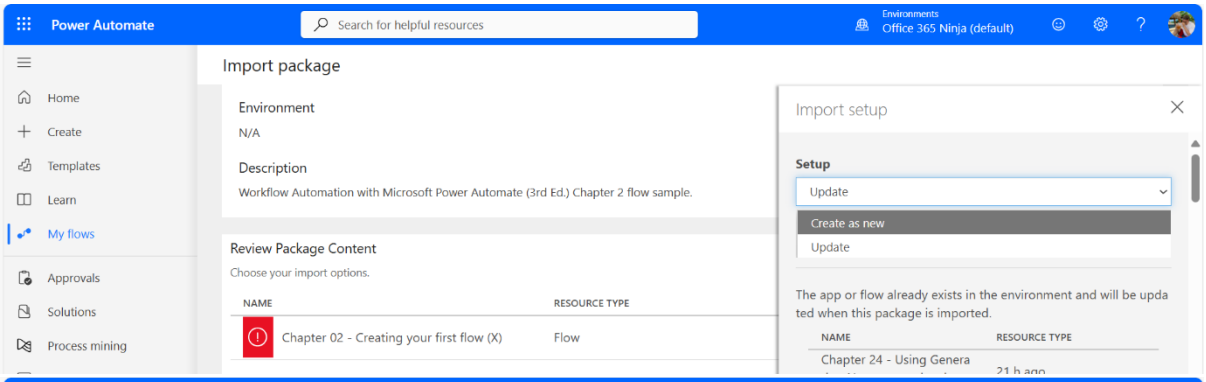

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New solution
Edit
Delete
Create a plan
Export solution
Deploy
Search
Home
Create
Templates
Learn
My flows
Solutions
Solutions
Publishers
History
Display name
Name
Created
Version
Managed
Publisher
Chapter 20 - ...
Chapter20Autom...
1 hour ago
1.0.0.0
No
CDS Default Pub

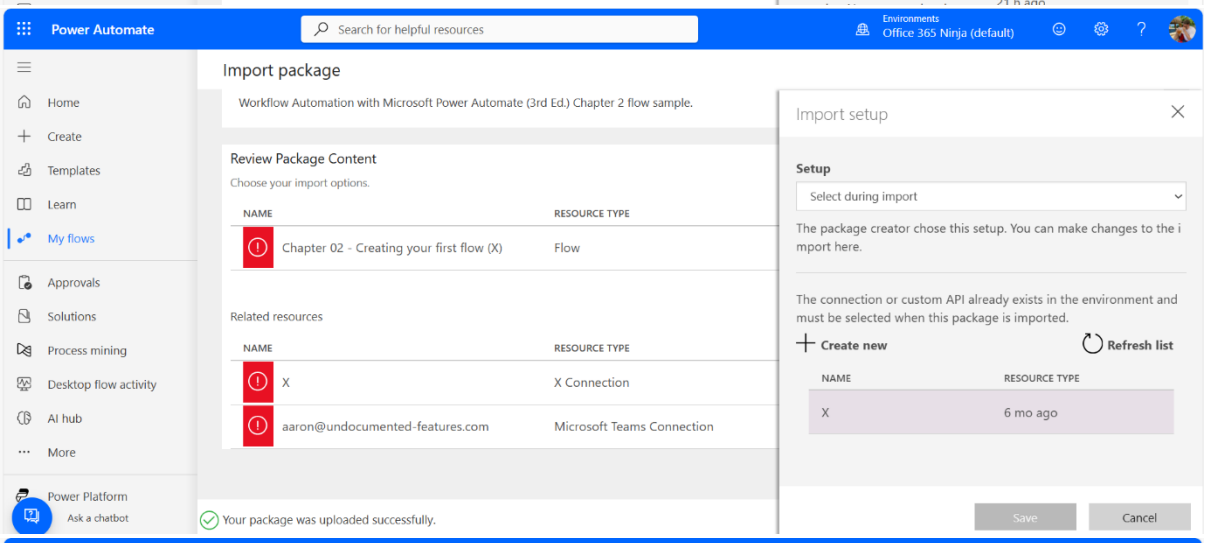

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New solution
Edit
Delete
Create a plan
Export solution
Export this solution
Version number *
Current version 1.0.0.0
1.0.0.1
Export as
Managed (recommended)
The solution is moving to a test or production environment. Learn more
Unmanaged
The solution is moving to another development environment or source control.
Learn more
Run solution checker on export
Export
Cancel
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
Ask a chatbot
Solutions
Publishers
History
Display name
Name
Created
Chapter 20 - ...
Chapter20Autom...
1 hour ago
Chapter 20 - ...
Chapter20Autom...
2 days ago
Power Pages P...
PowerPages_Pro...
1 year ago

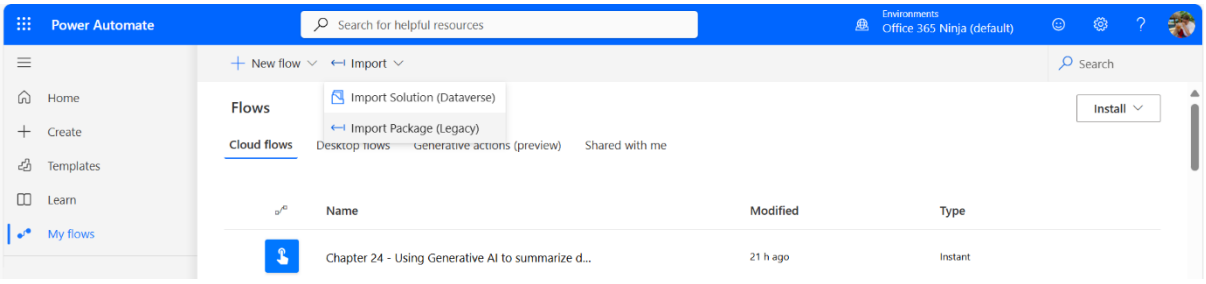

Power Automate
connectors
Environments
Office 365 Ninja (default)
Search connnector
All connectors
All connectors
Standard conn...
Premium conn...
Recently added connectors
Send an SMS
Draup MCP Ser...
Bluesky Social (...
Azure Confiden...
Documentero
HighQ
My Hours
PREMIUM
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
Connectors

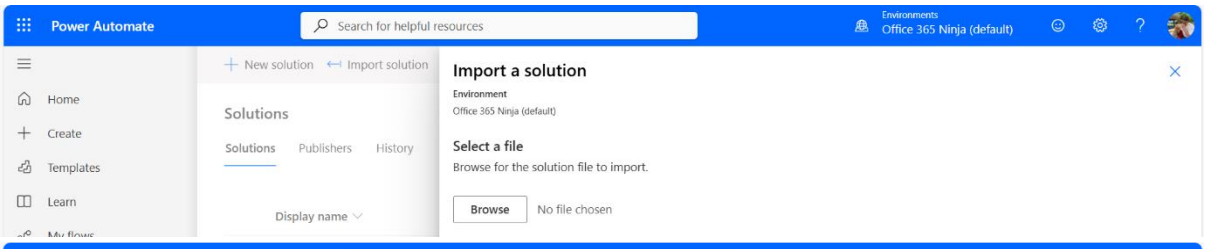

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Import
Search
Import Solution (Dataverse)
Import Package (Legacy)
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Type
Chapter 24 - Using Generative AI to summarize d...
21 h ago
Instant
Home
Create
Templates
Learn
My flows

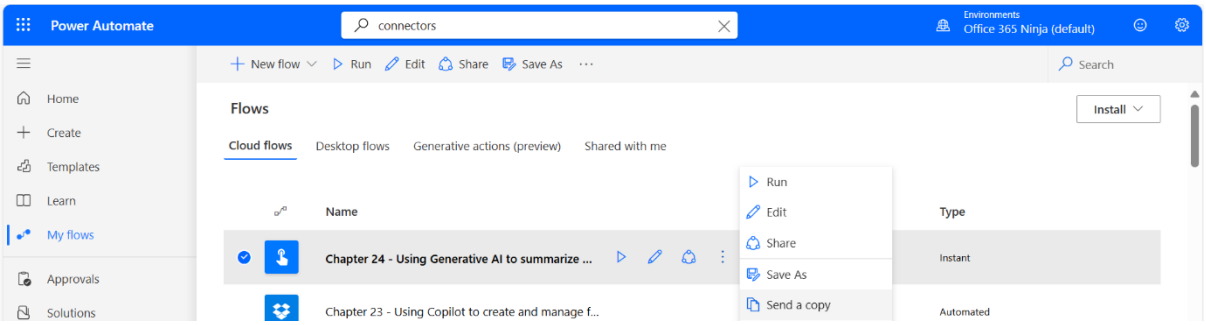

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Import package
Choose the package file to import
Chapter02-Creatingyourfirstflow(X).zip
Uploading...
Home
Create
Templates
Learn

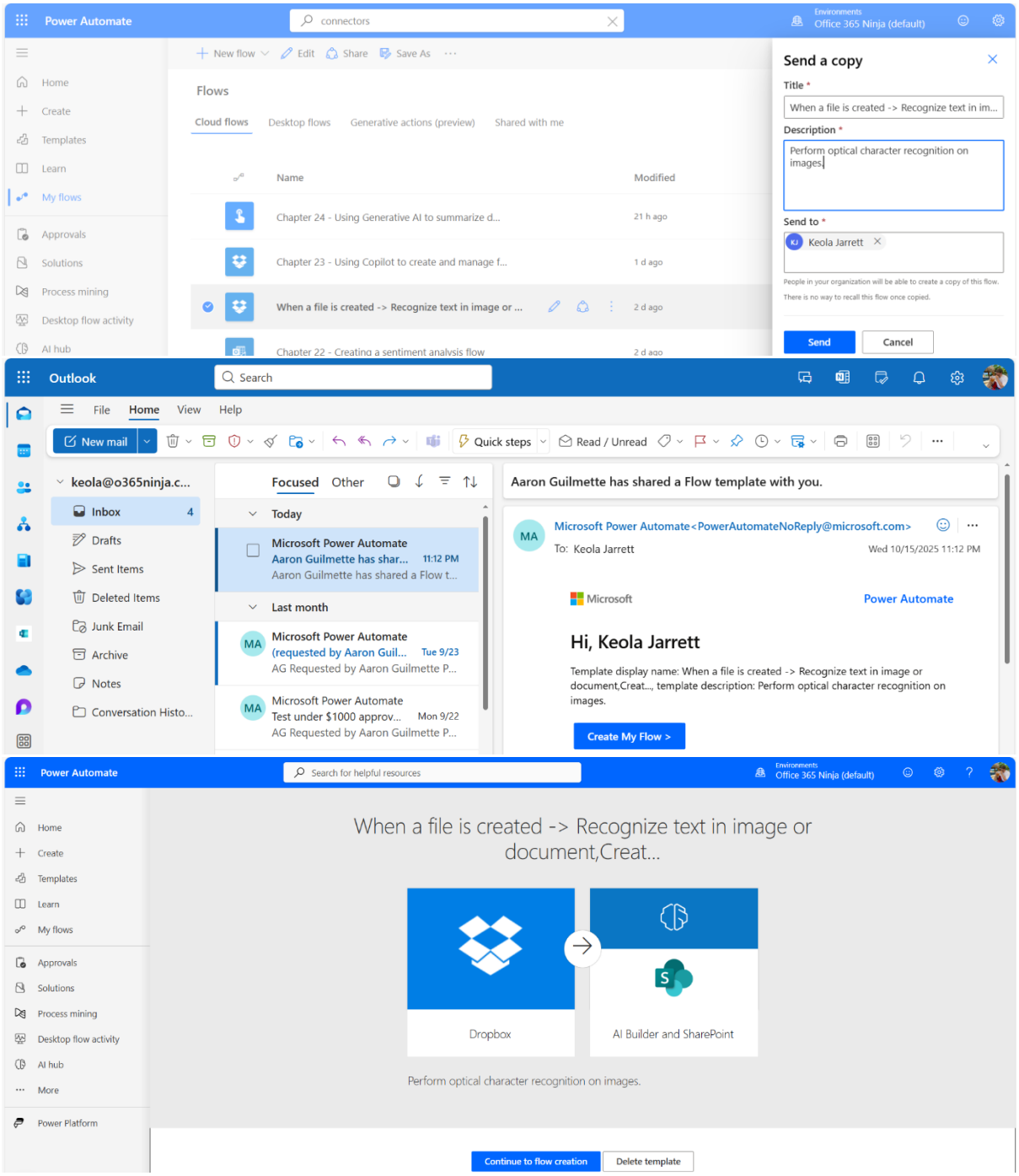

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Import package
Environment
N/A
Description
Workflow Automation with Microsoft Power Automate (3rd Ed.) Chapter 2 flow sample.
Review Package Content
Choose your import options.
NAME
RESOURCE TYPE
Chapter 02 - Creating your first flow (X)
Flow
Import setup
Setup
Update
Create as new
Update
The app or flow already exists in the environment and will be upda
ted when this package is imported.
NAME
RESOURCE TYPE
Chapter 24 - Using Genera
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining


Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Import package
Workflow Automation with Microsoft Power Automate (3rd Ed.) Chapter 2 flow sample.
Review Package Content
Choose your import options.
NAME
RESOURCE TYPE
Chapter 02 - Creating your first flow (X)
Flow
Related resources
X
X Connection
aaron@undocumented-features.com
Microsoft Teams Connection
Your package was uploaded successfully.
Import setup
Setup
Select during import
The package creator chose this setup. You can make changes to the i
mport here.
The connection or custom API already exists in the environment and
must be selected when this package is imported.
Create new
Refresh list
NAME
RESOURCE TYPE
X
6 mo ago
Save
Cancel
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
More
Power Platform
Ask a chatbot

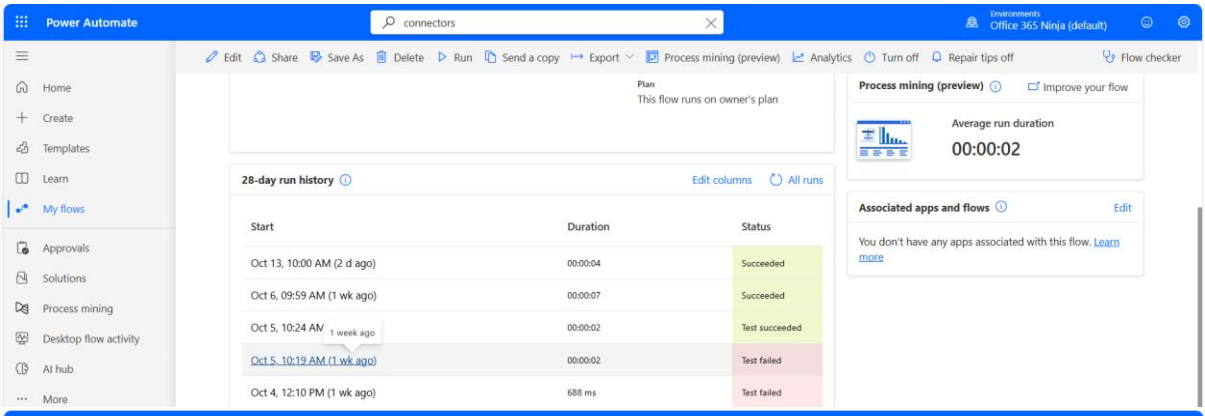

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New flow
Import
Import Solution (Dataverse)
Import Package (Legacy)
Search
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Type
Chapter 24 - Using Generative AI to summarize d...
21 h ago
Instant
Home
Create
Templates
Learn
My flows

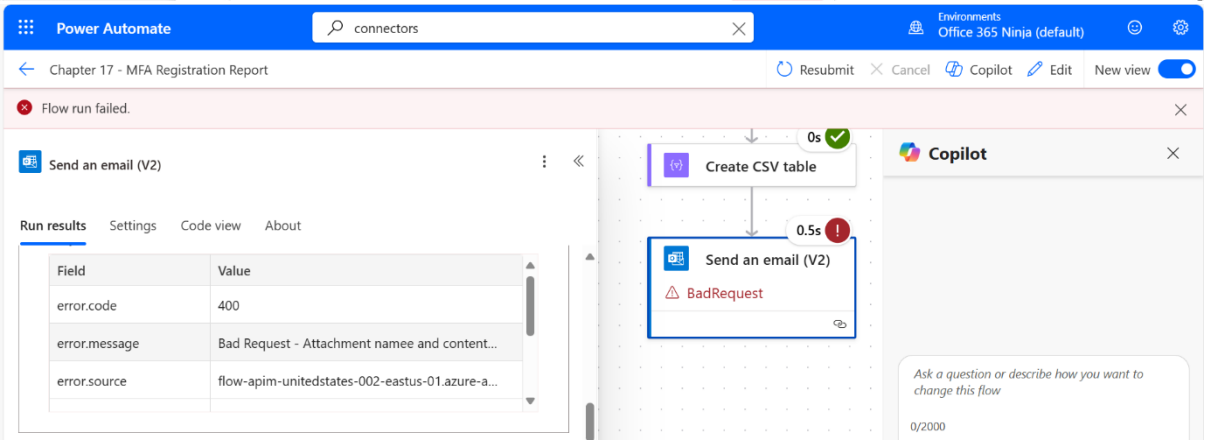

Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
New solution
Import solution
Solutions
Solutions
Publishers
History
Display name
Import a solution
Environment
Office 365 Ninja (default)
Select a file
Browse for the solution file to import.
Browse
No file chosen
Home
Create
Templates
Learn

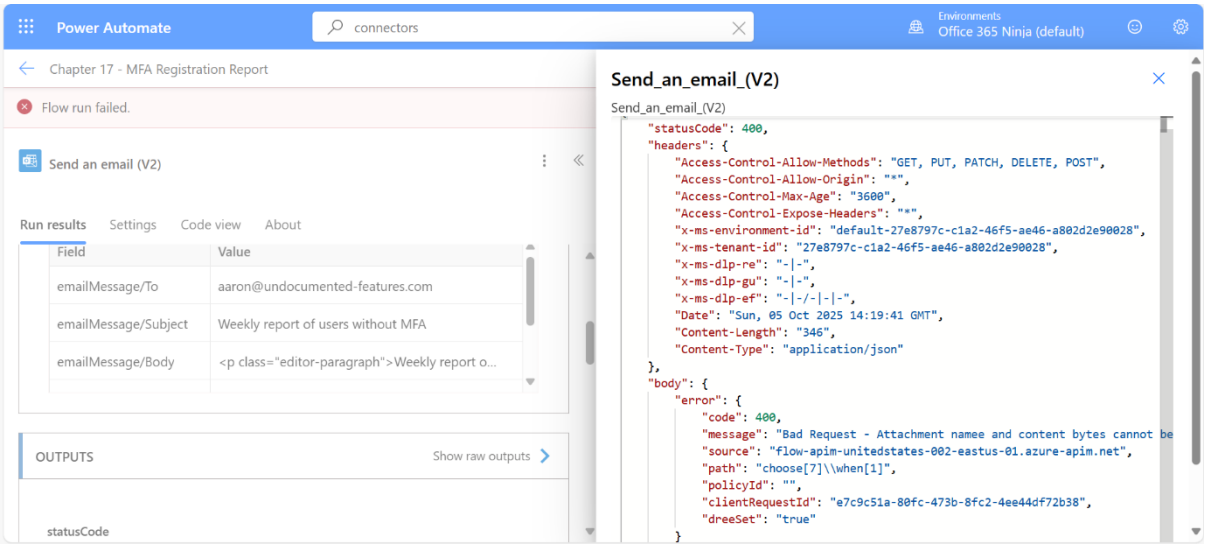

Power Automate
connectors
Environments
Office 365 Ninja (default)
New flow
Run
Edit
Share
Save As
Search
Flows
Install
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Type
Chapter 24 - Using Generative AI to summarize ...
Instant
Chapter 23 - Using Copilot to create and manage f...
Automated
Run
Edit
Share
Save As
Send a copy
Home
Create
Templates
Learn
My flows
Approvals
Solutions

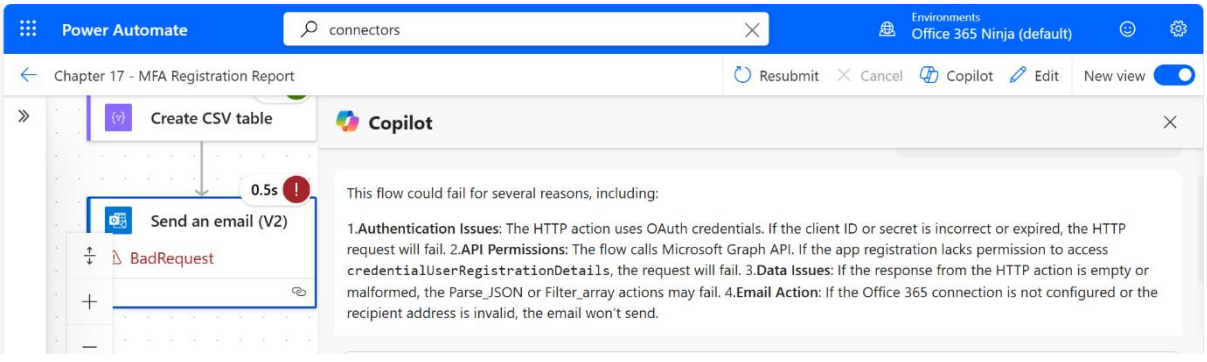

Power Automate
connectors
Environments
Office 365 Ninja (default)
New flow
Edit
Share
Save As
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
Flows
Cloud flows
Desktop flows
Generative actions (preview)
Shared with me
Name
Modified
Chapter 24 - Using Generative AI to summarize d...
21 h ago
Chapter 23 - Using Copilot to create and manage f...
1 d ago
When a file is created -> Recognize text in image or ...
2 d ago
Chapter 22 - Creating a sentiment analysis flow
2 d ago
Send a copy
Title *
When a file is created -> Recognize text in im...
Description *
Perform optical character recognition on images
Send to *
Keola Jarrett
People in your organization will be able to create a copy of this flow.
There is no way to recall this flow once copied.
Send
Cancel
Outlook
Search
File
Home
View
Help
New mail
Quick steps
Read / Unread
keola@o365ninja.c...
Inbox 4
Drafts
Sent Items
Deleted Items
Junk Email
Archive
Notes
Conversation Histo...
Focused
Other
Today
Microsoft Power Automate
Aaron Guilmette has shar...
11:12 PM
Aaron Guilmette has shared a Flow t...
Last month
Microsoft Power Automate
(requested by Aaron Guil...
Tue 9/23
AG Requested by Aaron Guilmette P...
Microsoft Power Automate
Test under $1000 approv...
Mon 9/22
AG Requested by Aaron Guilmette P...
Aaron Guilmette has shared a Flow template with you.
MA
Microsoft Power Automate<PowerAutomateNoReply@microsoft.com>
To: Keola Jarrett
Wed 10/15/2025 11:12 PM
Microsoft
Power Automate
Hi, Keola Jarrett
Template display name: When a file is created -> Recognize text in image or document,Creat..., template description: Perform optical character recognition on images.
Create My Flow >
Power Automate
Search for helpful resources
Environments
Office 365 Ninja (default)
Home
Create
Templates
Learn
My flows
Approvals
Solutions
Process mining
Desktop flow activity
AI hub
More
Power Platform
When a file is created -> Recognize text in image or document,Creat...
Dropbox
AI Builder and SharePoint
Perform optical character recognition on images.
Continue to flow creation
Delete template

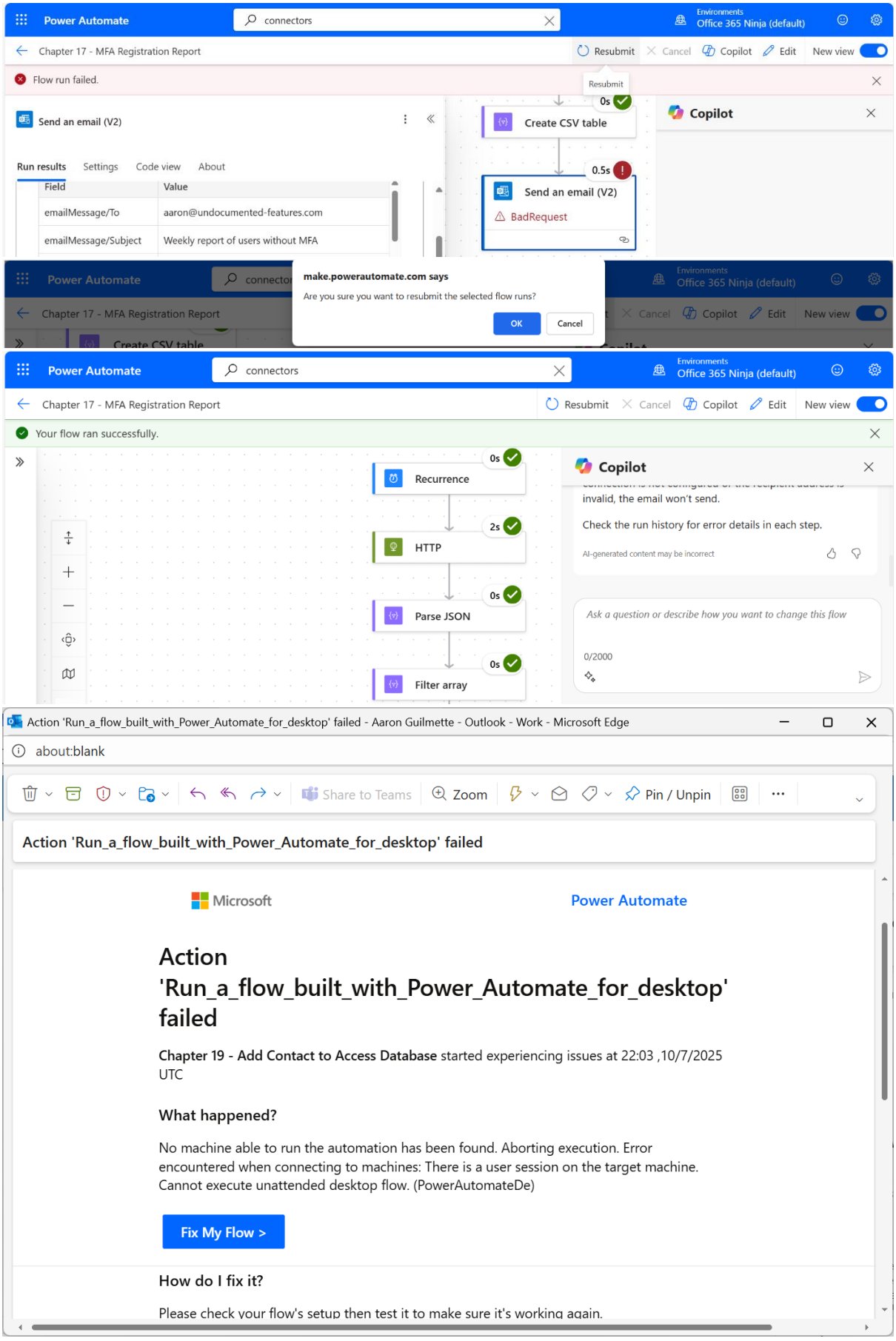
# Chapter 26: Monitoring and Troubleshooting Flows

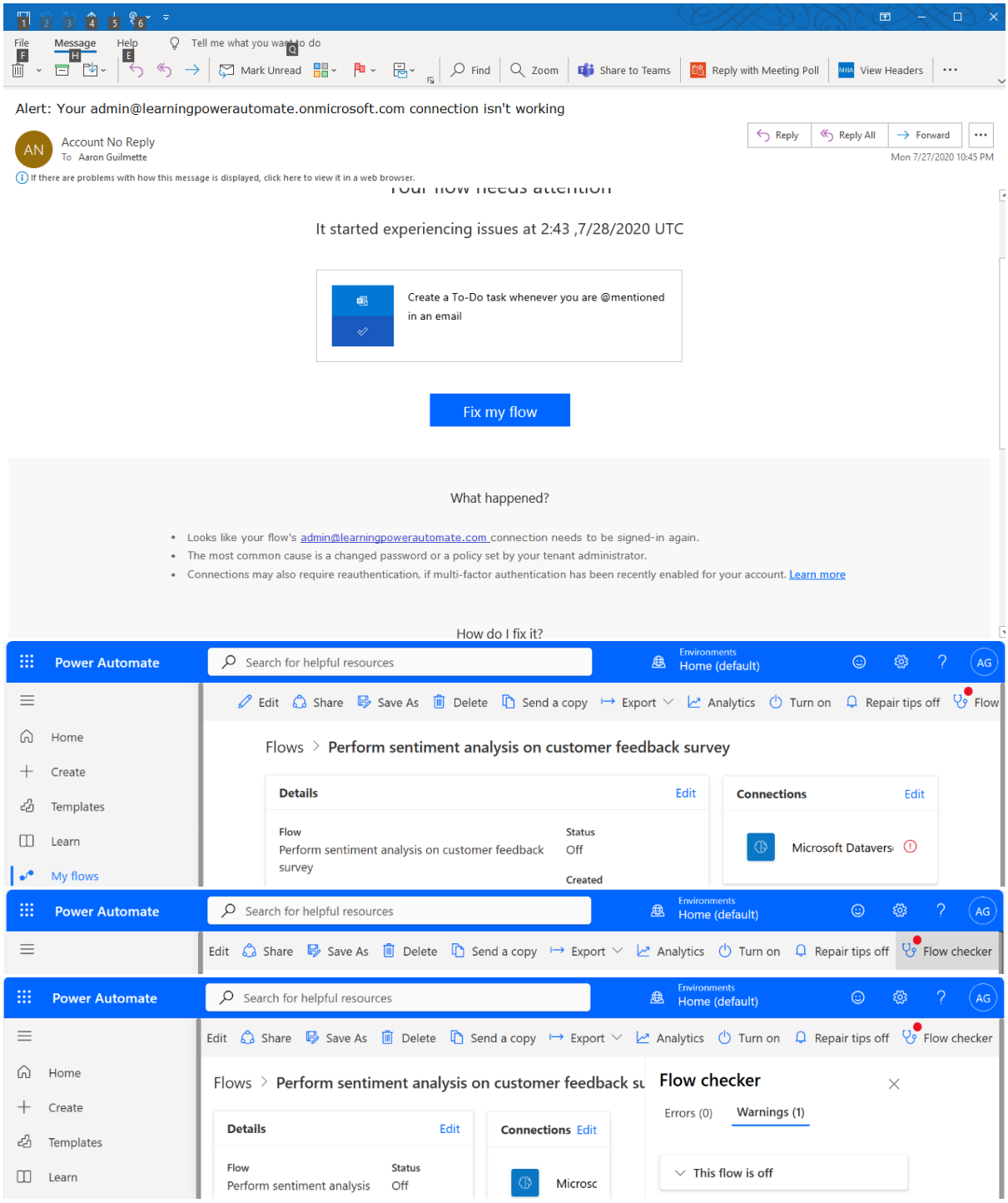


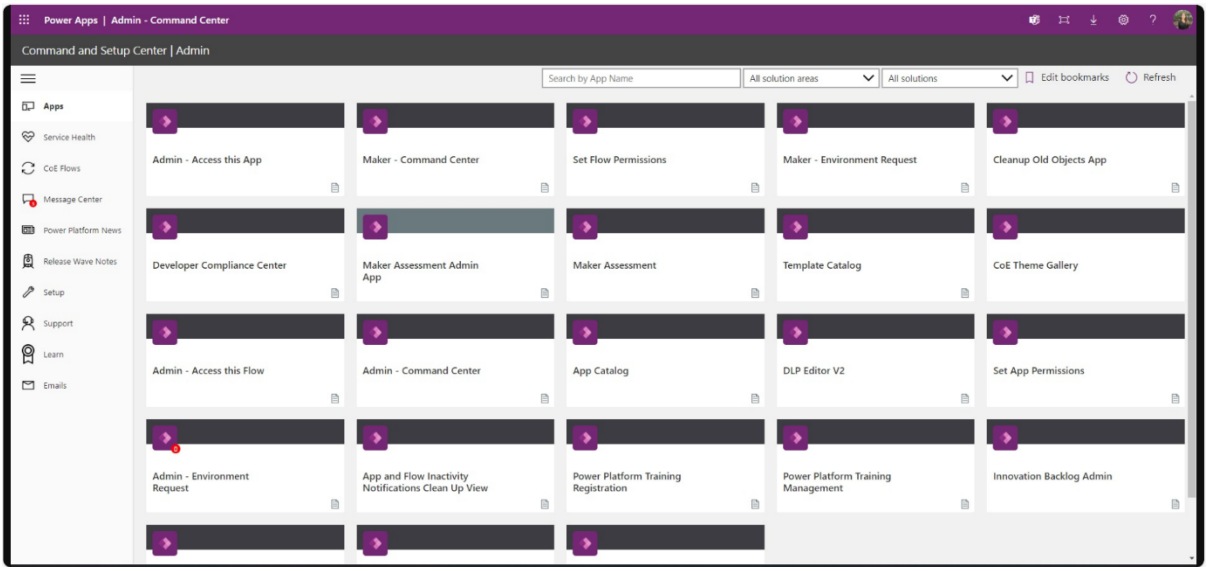



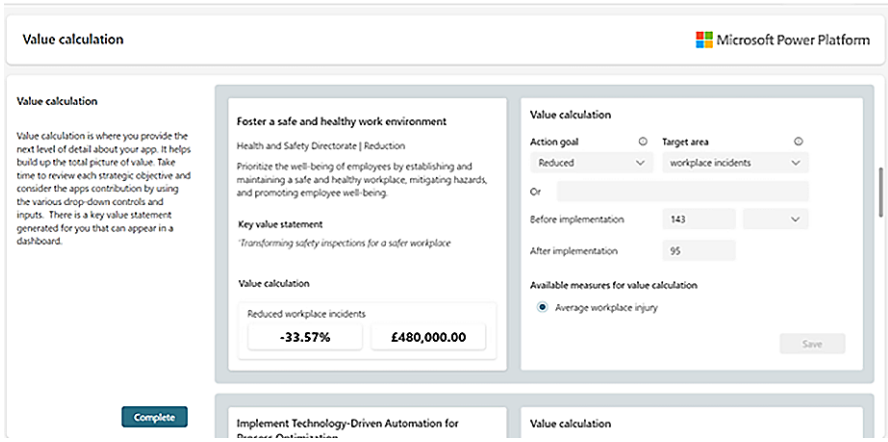



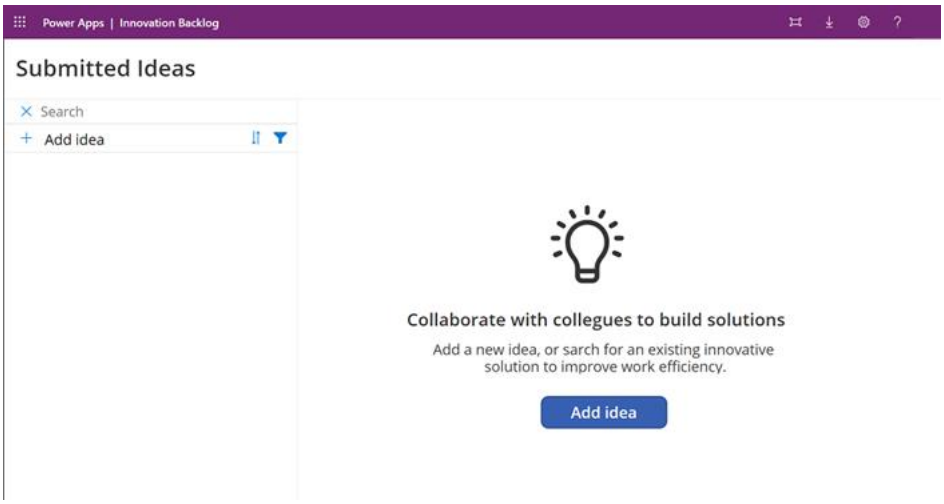

Power Automate
connectors
Environments
Office 365 Ninja (default)
Chapter 17 - MFA Registration Report
Resubmit
Cancel
Copilot
Edit
New view
Flow run failed.
Send an email (V2)
Run results
Settings
Code view
About
Field
Value
emailMessage/To
aaron@undocumented-features.com
emailMessage/Subject
Weekly report of users without MFA
Create CSV table
0s
0.5s
Send an email (V2)
BadRequest
Copilot
make.powerautomate.com says
Are you sure you want to resubmit the selected flow runs?
OK
Cancel
Your flow ran successfully.
Recurrence
HTTP
2s
Parse JSON
Filter array
invalid, the email won't send.
Check the run history for error details in each step.
AI-generated content may be incorrect
Ask a question or describe how you want to change this flow
0/2000
Action 'Run_a_flow_built_with_Power_Automate_for_desktop' failed - Aaron Guilmette - Outlook - Work - Microsoft Edge
about:blank
Share to Teams
Zoom
Pin / Unpin
Action 'Run_a_flow_built_with_Power_Automate_for_desktop' failed
Microsoft
Power Automate
Action 'Run_a_flow_built_with_Power_Automate_for_desktop' failed
Chapter 19 - Add Contact to Access Database started experiencing issues at 22:03 ,10/7/2025 UTC
What happened?
No machine able to run the automation has been found. Aborting execution. Error encountered when connecting to machines: There is a user session on the target machine. Cannot execute unattended desktop flow. (PowerAutomateDe)
Fix My Flow >
How do I fix it?
Please check your flow's setup then test it to make sure it's working again.

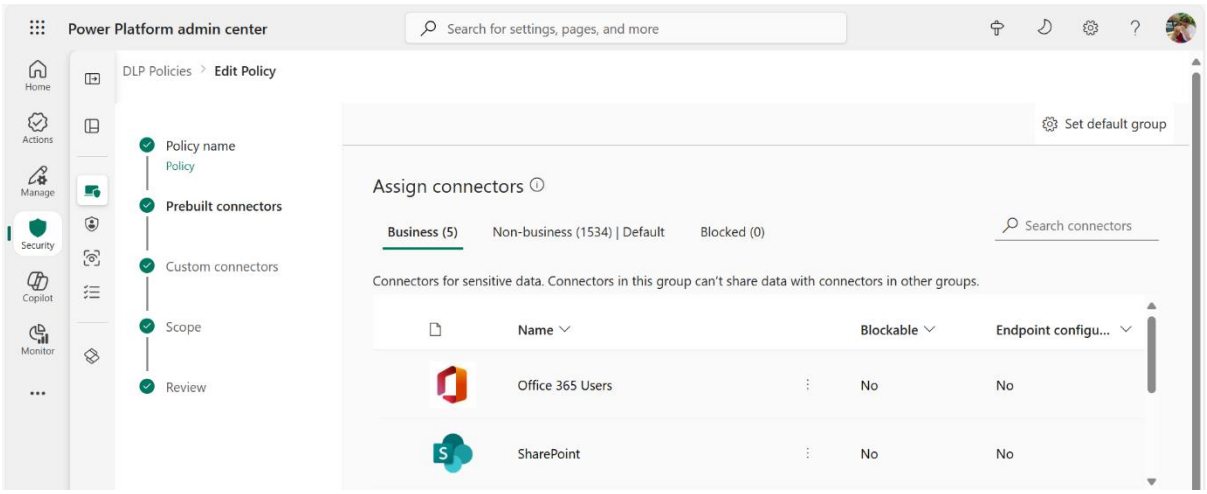

File
Message
Help
Tell me what you want to do
Mark Unread
Find
Zoom
Share to Teams
Reply with Meeting Poll
View Headers
Alert: Your admin@learningpowerautomate.onmicrosoft.com connection isn't working
AN
Account No Reply
To Aaron Guilmette
If there are problems with how this message is displayed, click here to view it in a web browser.
Reply
Reply All
Forward
Mon 7/27/2020 10:45 PM
It started experiencing issues at 2:43 ,7/28/2020 UTC
Create a To-Do task whenever you are @mentioned in an email
Fix my flow
What happened?
Looks like your flow's admin@learningpowerautomate.com connection needs to be signed-in again.
The most common cause is a changed password or a policy set by your tenant administrator.
Connections may also require reauthentication, if multi-factor authentication has been recently enabled for your account. Learn more
How do I fix it?
Power Automate
Search for helpful resources
Environments
Home (default)
AG
Edit
Share
Save As
Delete
Send a copy
Export
Analytics
Turn on
Repair tips off
Flow checker
Home
Create
Templates
Learn
My flows
Flows
Perform sentiment analysis on customer feedback survey
Details
Edit
Flow
Perform sentiment analysis on customer feedback survey
Status
Off
Created
Connections
Edit
Microsoft Dataverse
Flow checker
Errors (0)
Warnings (1)
This flow is off

# Chapter 27: Governance in the Power Platform




Power Platform admin center
Search for settings, pages, and more
Home
Actions
Manage
Security
Copilot
Monitor
DLP Policies
Edit Policy
Policy name
Policy
Prebuilt connectors
Custom connectors
Scope
Review
Set default group
Assign connectors
Business (5)
Non-business (1534) | Default
Blocked (0)
Search connectors
Connectors for sensitive data. Connectors in this group can't share data with connectors in other groups.
Name
Blockable
Endpoint configu...
Office 365 Users
No
No
SharePoint
No
No