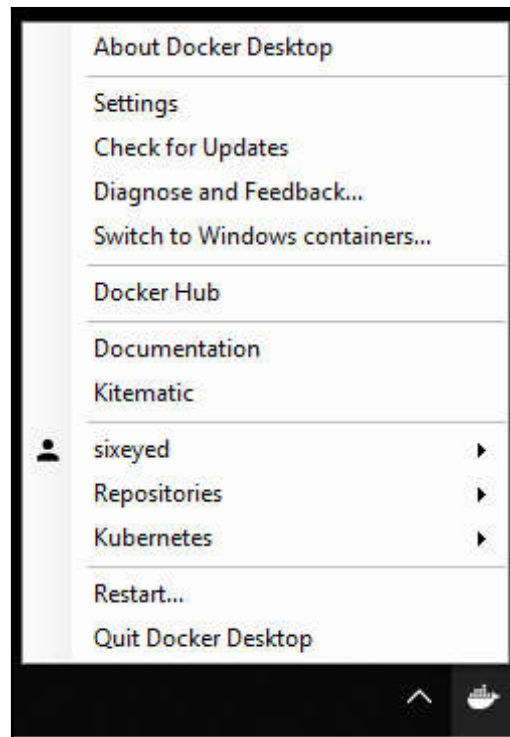


Chapter 1: Getting Started with Docker on Windows





Version 2.0.2.1 (31274)

Channel edge

🔊 Engine: 18.09.2

📄 Compose: 1.24.0-rc1

🔧 Machine: 0.16.1

🏠 Notary: 0.6.1

🔑 Credential Helpers: 0.6.0

🌐 Kubernetes: v1.13.0

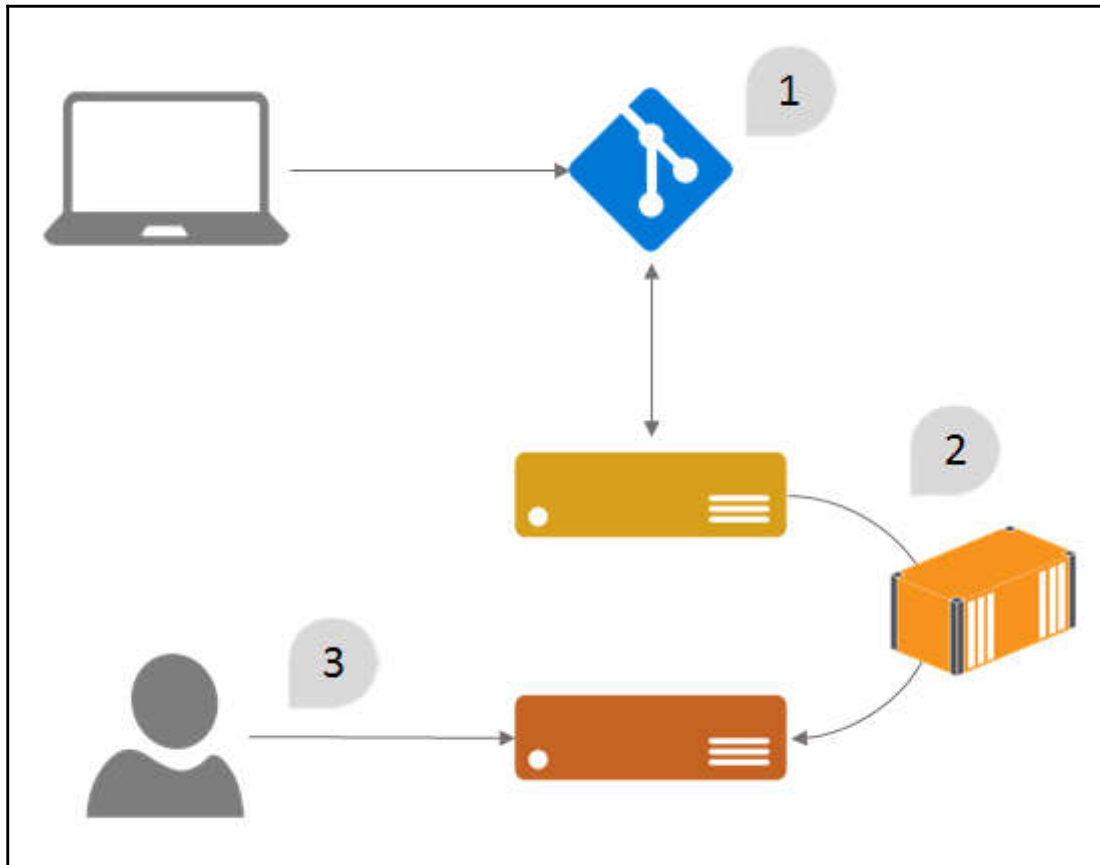
[Release Notes](#)

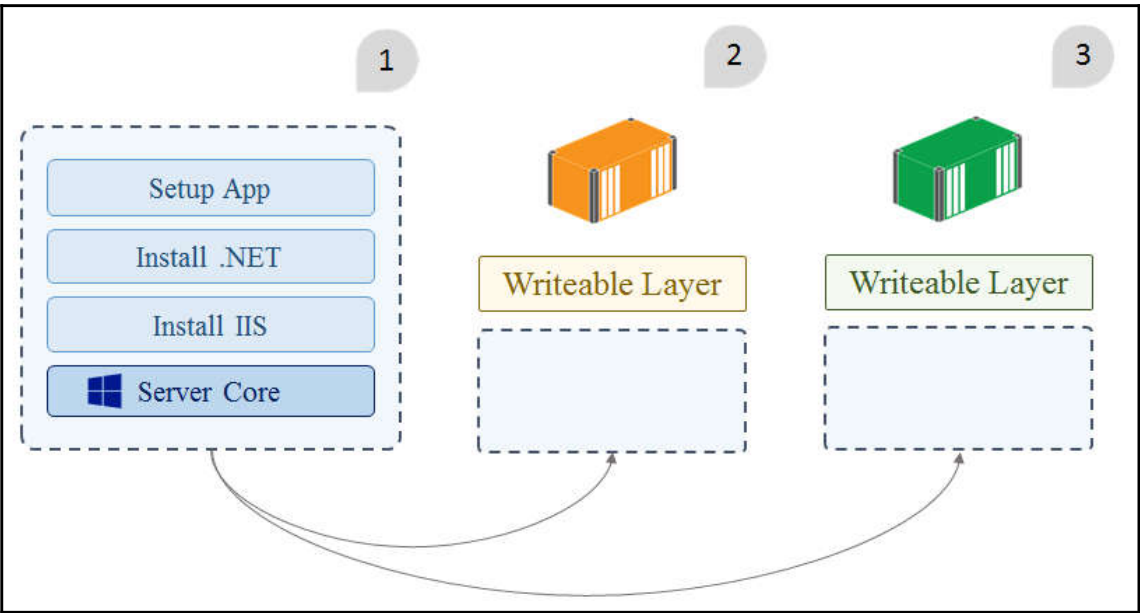
[Acknowledgments](#)

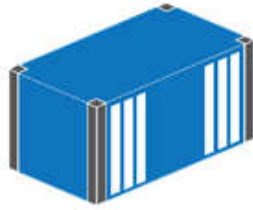
[License Agreement](#)

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Chapter 2: Packaging and Running Applications as Docker Containers







Writeable Layer

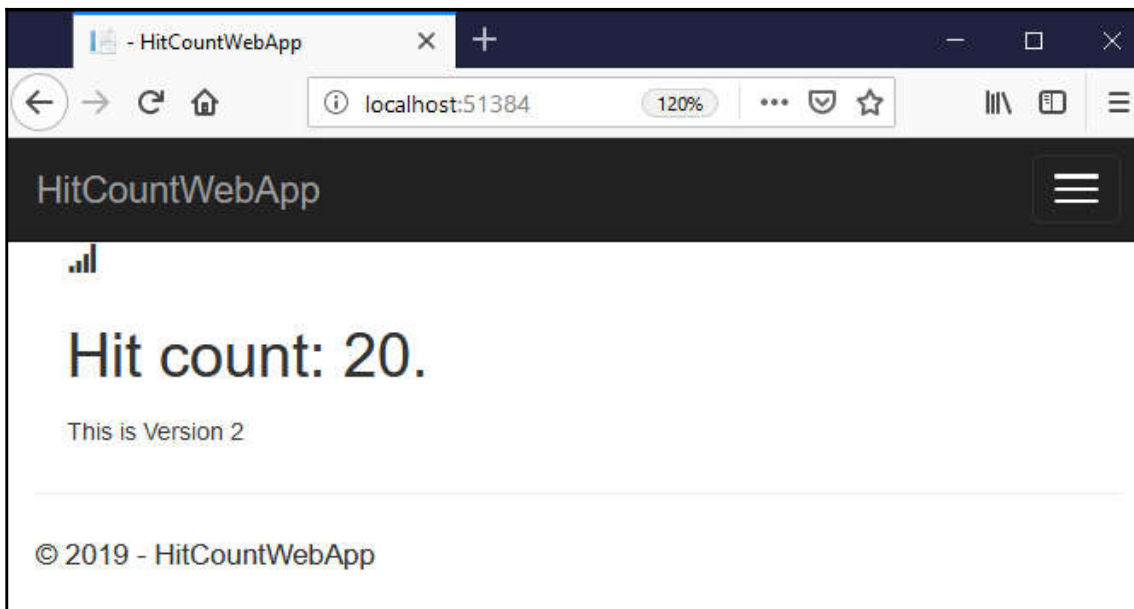
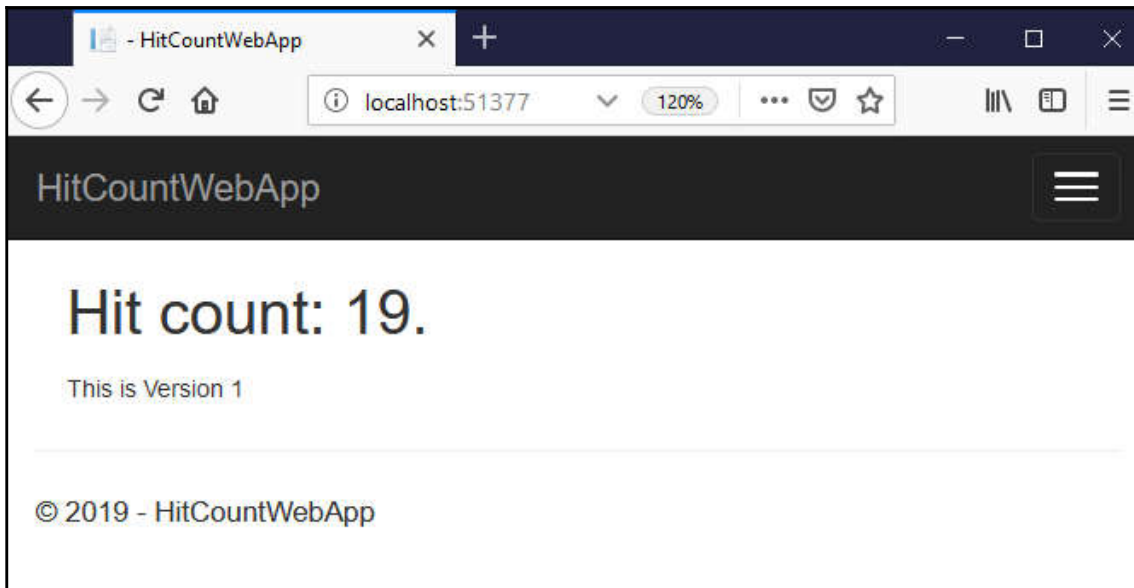
Volume 1

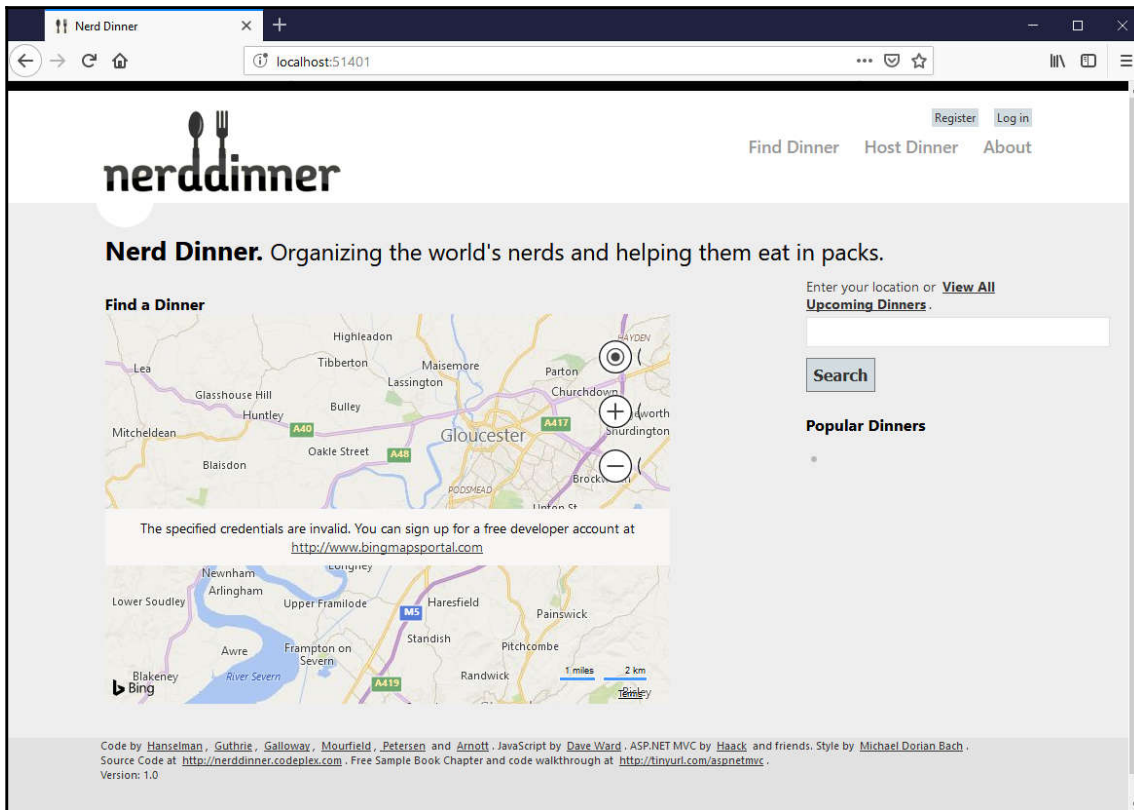
Image Layer

Volume 2

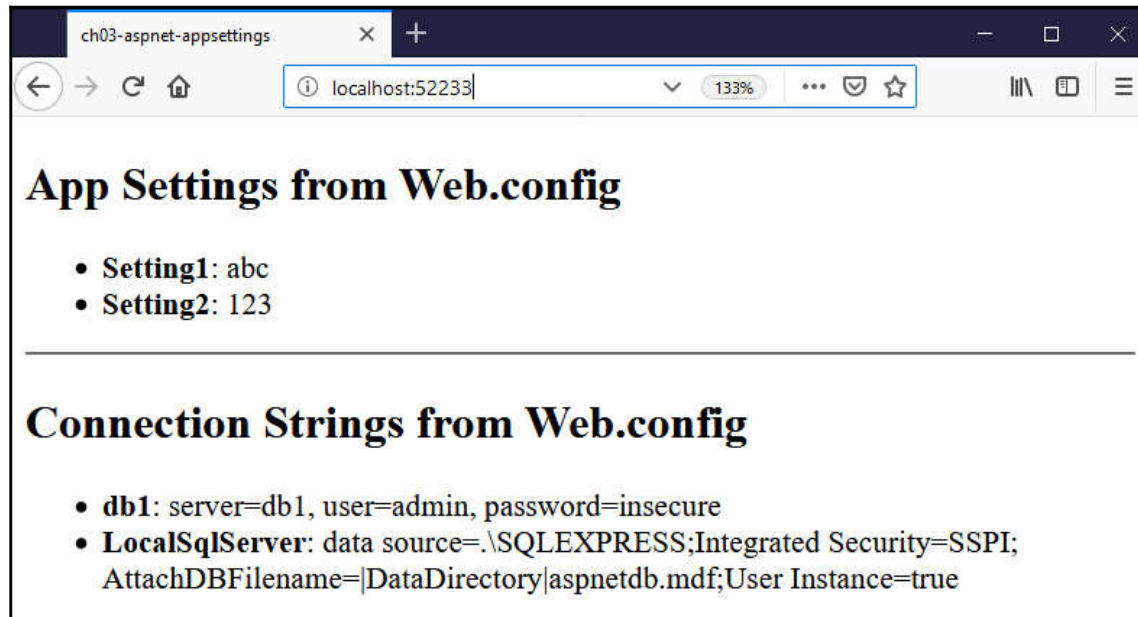


Nano Server





Chapter 3: Developing Dockerized .NET Framework and .NET Core Applications



The screenshot shows a web browser window with the address bar at localhost:52238. The page has a dark blue header with the text 'ch03-aspnet-appsettings'. The main content area is white and contains two sections. The first section, 'App Settings from Web.config', lists two settings: 'Setting1: this-is-for-production' and 'Setting2: 3298472874628374'. The second section, 'Connection Strings from Web.config', lists two connection strings: 'db1: server=db1.prod, user=app-user, password=insecure' and 'LocalSqlServer: data source=.\SQLEXPRESS;Integrated Security=SSPI; AttachDBFilename=|DataDirectory|aspnetdb.mdf;User Instance=true'.

ch03-aspnet-appsettings

localhost:52238

App Settings from Web.config

- **Setting1:** this-is-for-production
- **Setting2:** 3298472874628374

Connection Strings from Web.config

- **db1:** server=db1.prod, user=app-user, password=insecure
- **LocalSqlServer:** data source=.\SQLEXPRESS;Integrated Security=SSPI; AttachDBFilename=|DataDirectory|aspnetdb.mdf;User Instance=true

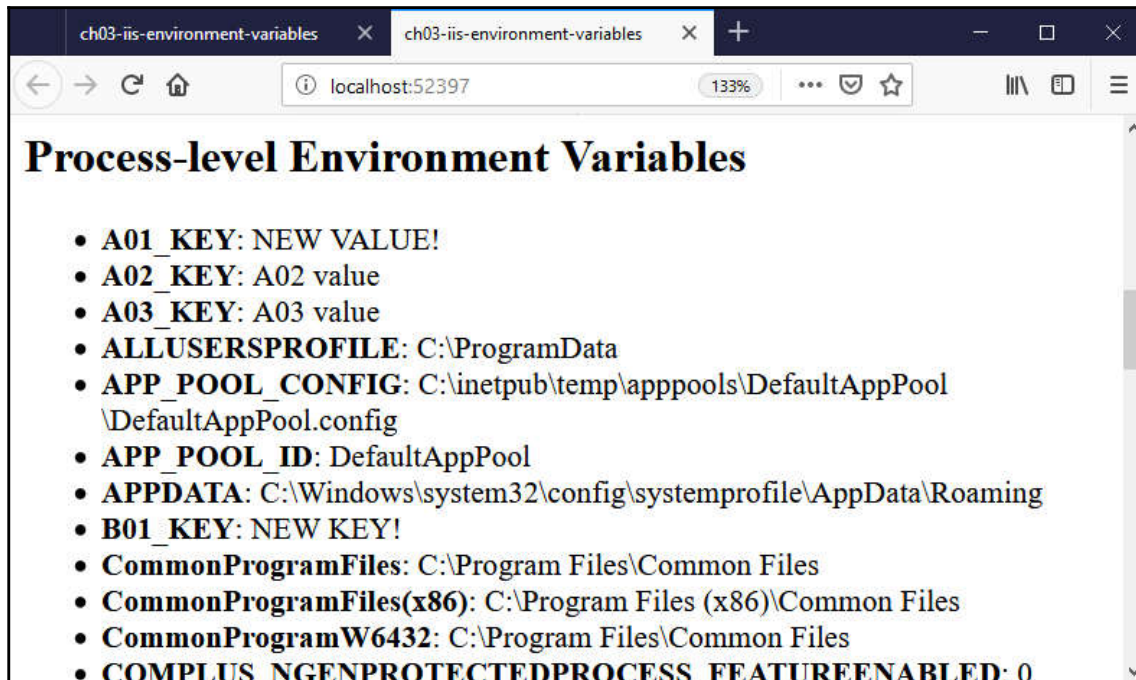
The screenshot shows a web browser window with the address bar at localhost:52344. The page has a dark blue header with the text 'ch03-iis-environment-variables'. The main content area is white and contains a section titled 'Process-level Environment Variables' which lists various system environment variables and their values.

ch03-iis-environment-variables

localhost:52344

Process-level Environment Variables

- **A01_KEY:** A01 value
- **A02_KEY:** A02 value
- **A03_KEY:** A03 value
- **ALLUSERSPROFILE:** C:\ProgramData
- **APP_POOL_CONFIG:** C:\inetpub\temp\appools\DefaultAppPool\DefaultAppPool.config
- **APP_POOL_ID:** DefaultAppPool
- **APPDATA:** C:\Windows\system32\config\systemprofile\AppData\Roaming
- **CommonProgramFiles:** C:\Program Files\Common Files
- **CommonProgramFiles(x86):** C:\Program Files (x86)\Common Files
- **CommonProgramW6432:** C:\Program Files\Common Files
- **COMPLUS_NGENPROTECTEDPROCESS_FEATUREENABLED:** 0
- **COMPUTERNAME:** F1B9E0FFB3A3



Sqllectron

FileQueryEditViewFindHelp

SQL ELECTRON

SERVICES

Settings

Server Information

Connection Test

Successfully connected

Name

nerd-dinner-db

Database Type

Microsoft SQL Server

SSL

Server Address

localhost

1433

Domain

Unix socket path

User

sa

Password

Initial Database/Keyspace

Initial Schema

NerdDinner

Schema

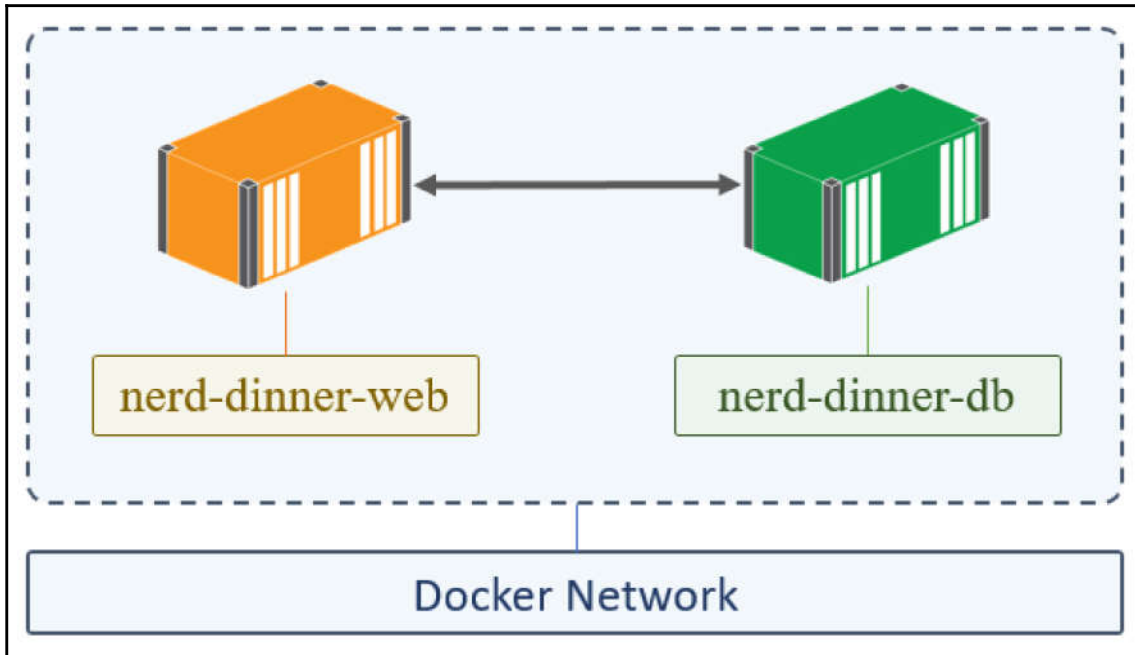
SSH Tunnel

Filter

Test

Cancel

Save



Register

localhost:52856/A



Register Log in

Find Dinner Host Dinner About

Register. Create a new account.

User name

elton

Password

••••••••

Confirm password

••••••••

Register

Code by [Hanselman](#), [Guthrie](#), [Galloway](#), [Mourfield](#), [Petersen](#) and [Arnott](#). JavaScript by [Dave Ward](#). ASP.NET MVC by [Haack](#) and friends. Style by [Michael Dorian Bach](#).

Source Code at <http://nerddinner.codeplex.com>. Free Sample Book Chapter and code walkthrough at <http://tinyurl.com/aspnetmvc>.

Version: 1.0

Sqllectron

FileQueryEditViewFindHelp

SQL ECTRON

nerd-dinner-db / NerdDinner



▶ master

▶ model

▶ msdb

▼ NerdDinner

Search...



▼ Tables

▶ dbo

▶ dbo.Dinners

▶ dbo.RSVPs

▶ dbo.UserProfile

▶ dbo.webpages_Membership

▶ dbo.webpages_OAuthMembership

▶ dbo.webpages_Roles

▶ dbo.webpages_UsersInRoles

NerdDinner #1

1

SELECT * FROM UserProfile



Execute

or

Discard

Rows 1

CSV

JSON



CSV

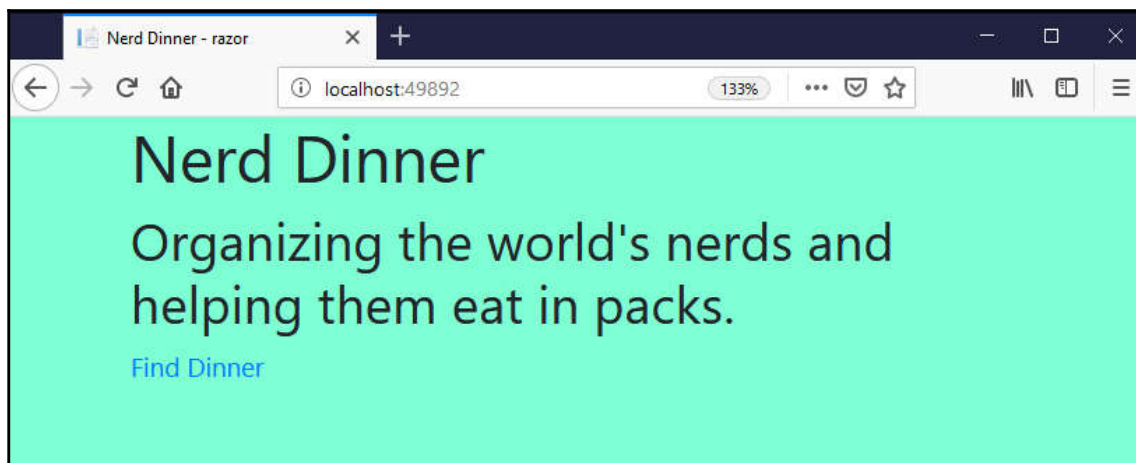
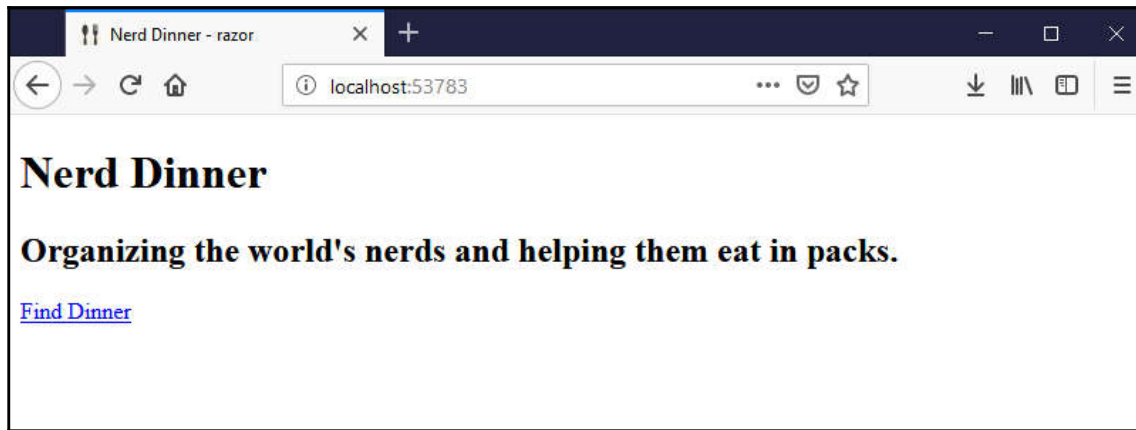
JSON

UserId	UserName
1	elton

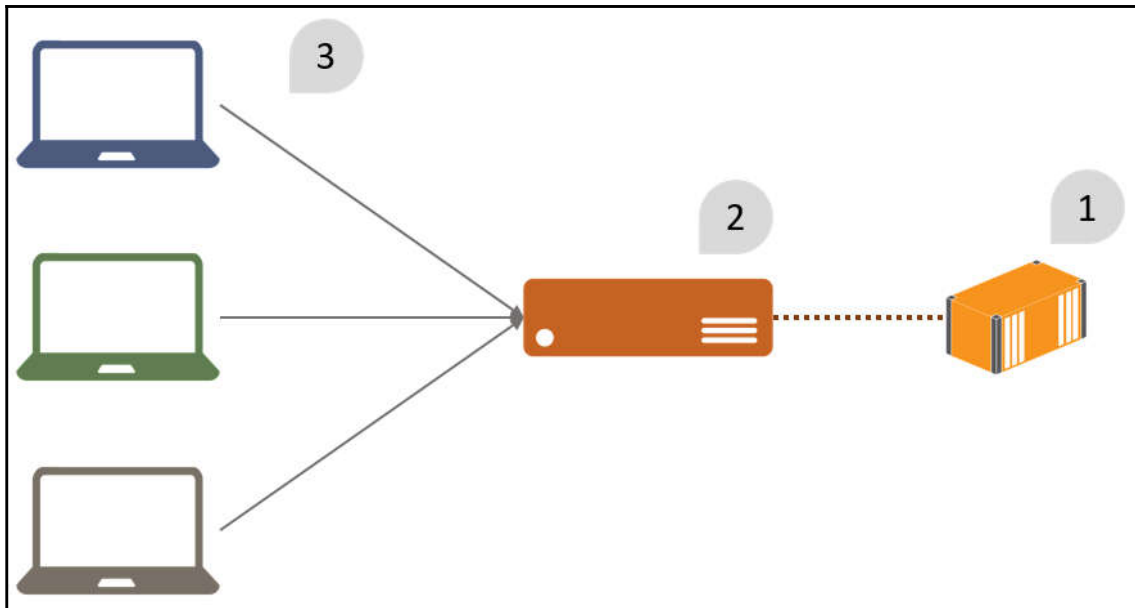
>_ Log error

Github





Chapter 4: Sharing Images with Docker Registries



Settings

General

Proxies

Daemon

Reset

Daemon

Configure the Docker daemon by typing a json docker daemon [configuration file](#).

Basic

☒ Experimental [features](#)

Insecure registries:

registry.local:5000

eg: my-registry.example:5000 or 127.0.0.0/8

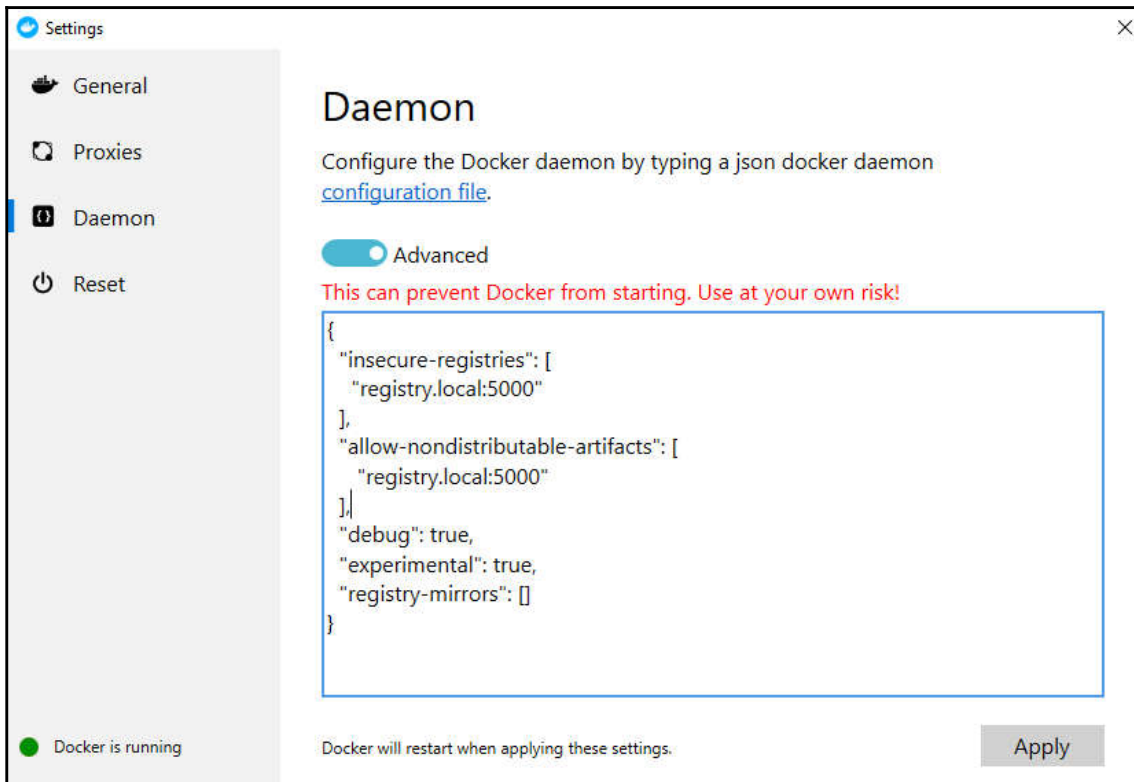
Registry mirrors:

eg: https://my-registry.example:5000

Docker is running

Docker will restart when applying these settings.

Apply



[Explore](#)
[Repositories](#)
[Organizations](#)
[Get Help](#)
sixeyed

[Docker EE](#)
[Docker CE](#)
[Containers](#)
[Plugins](#)

Filters (2) [Clear All](#)

☐ Docker Certified

Images

☒ Verified Publisher
Docker Certified And Verified Publisher Content

☐ Official Images
Official Images Published By Docker

Categories

☐ Analytics
☐ Application Frameworks
☐ Application Infrastructure
☐ Application Services
☐ Base Images
☐ Databases

1 - 4 of 4 available images.

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DOCKER CERTIFIED

By Sysdig, Inc. • Updated 4 months ago

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DOCKER CERTIFIED

By Sematext Group Inc. • Updated 10 months ago

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[Analytics](#)

Trusted Registry
 2.6.0

[Repositories / example / tomcat / 9.0 / Components](#)

admin

Search

Repositories

Organizations

Users

System

example / tomcat: 9.0

tomcat Image Private

linux / amd64 58d02ef62ed2 71.66 MB Pushed 10 minutes ago by [admin](#)

Signed 7 critical 43 major 10 minor All layers already scanned

[Delete](#)
[Promote](#)
[Scan](#)

Layers

Components

libx11

1.6.5-r1

2 Critical 1 Major

kerberos

1.15.2-r2

1 Critical 8 Major 1 Minor

tomcat

9.0.2

1 Critical 6 Major

busybox

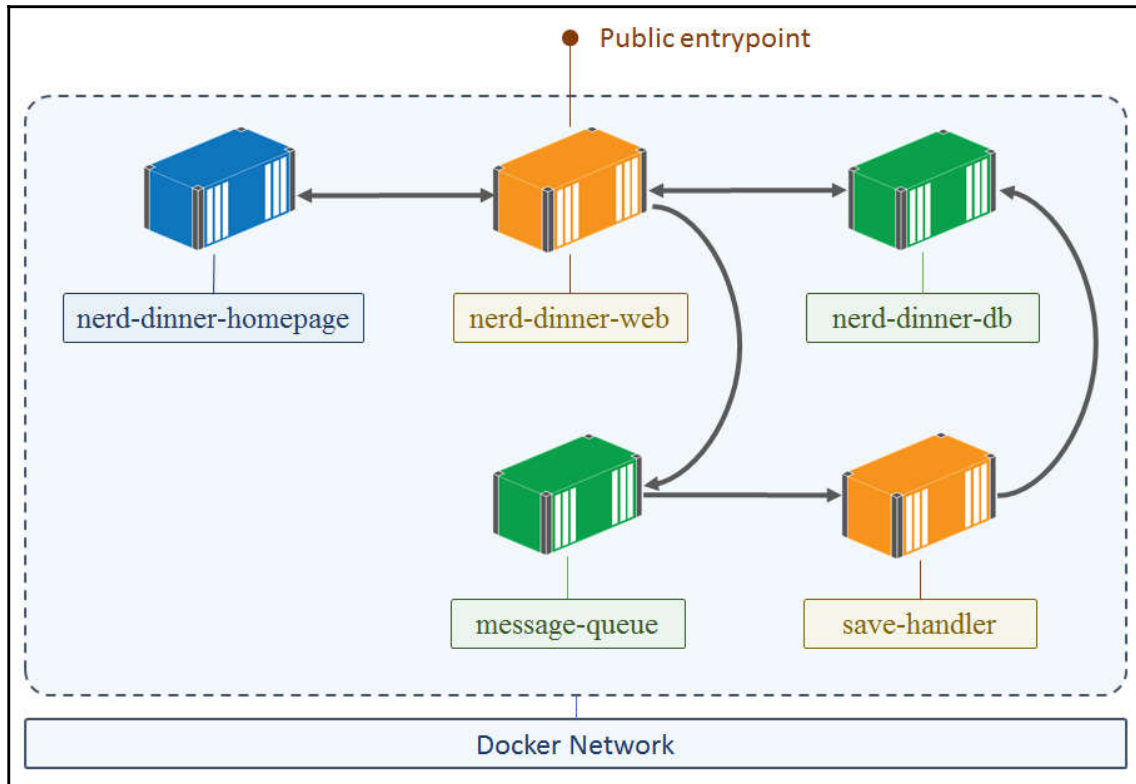
Version: 1.27.2-r7

License: GPL

Vulnerabilities	Severity	Description
CVE-2019-20679	5	An issue was discovered in BusyBox before 1.30.0. An out of bounds read in udhcp components (consumed by the DHCP server, client, and relay) allows a remote attacker to leak sensitive information from the stack by sending a crafted DHCP message. This is related to verification in udhcp_get_option() in networking/udhcp/common.c that 4-byte options are indeed 4 bytes.

[Show layers affected](#)

Chapter 5: Adopting Container-First Solution Design



Host a Nerd Dinner

localhost:55817/Dinners/Create

nerddinner

Hello, [elton!](#) [Log off](#)

[Find Dinner](#) [Host Dinner](#) [About](#)

Host a Dinner



(drag the pin in the map if it doesn't look right) *

[Create](#)

[Back to List](#)

Title

'Docker on Windows' - 2nd edition launch

Event Date

3/1/2019 6:00:00 PM

Description

Launch party for the second edition!

Host's Name

elton

Contact Info

@EltonStoneman

Address, City, State, ZIP

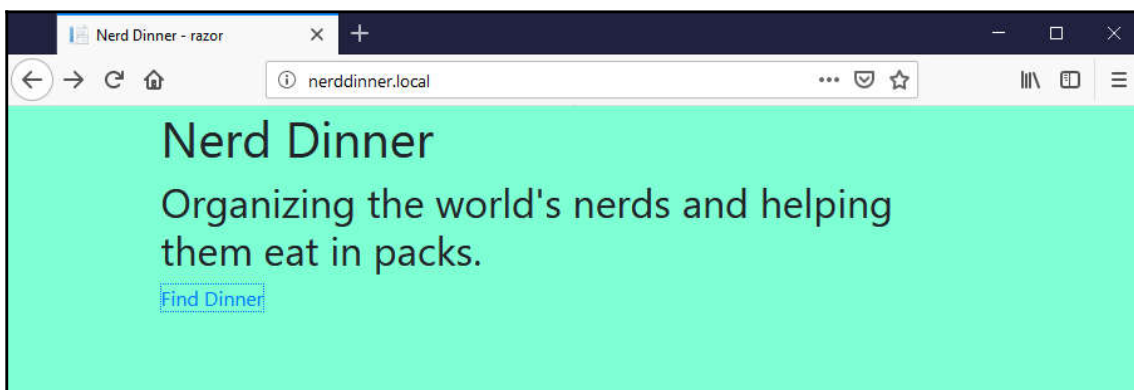
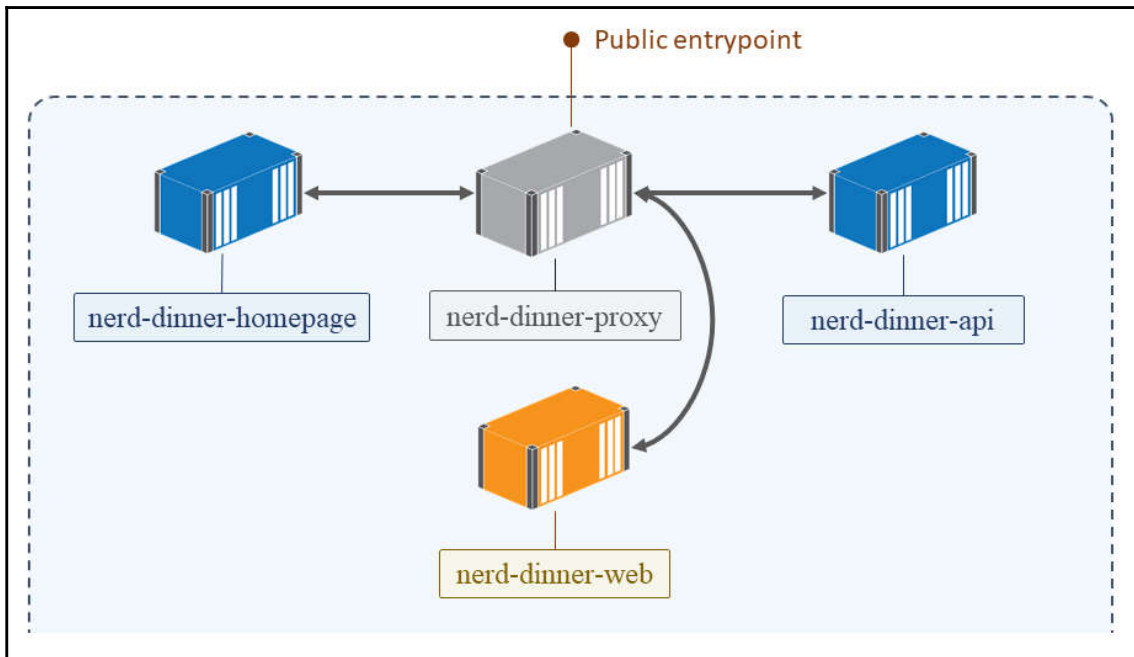
W1K 1QA

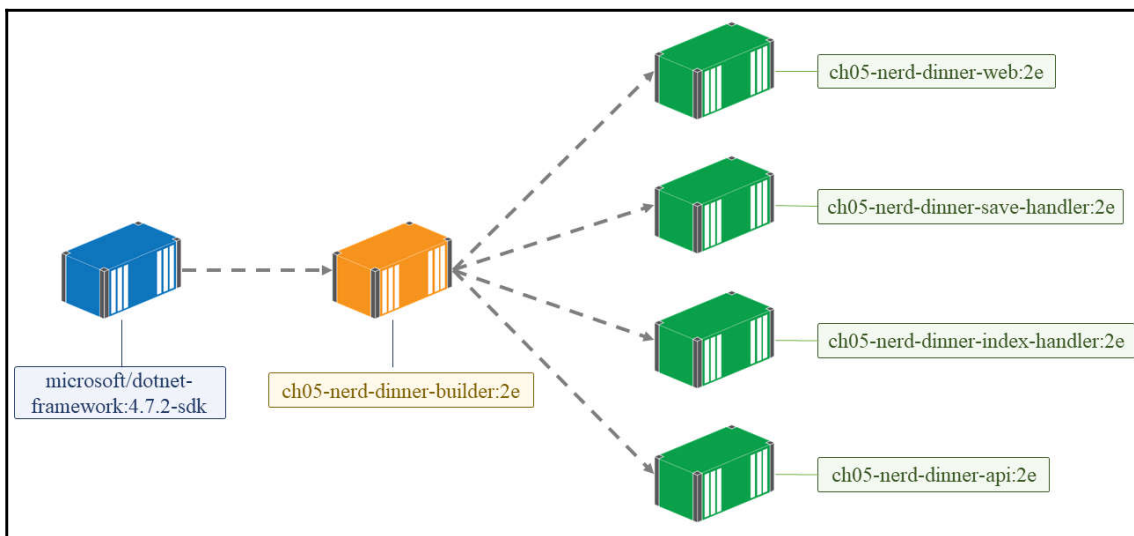
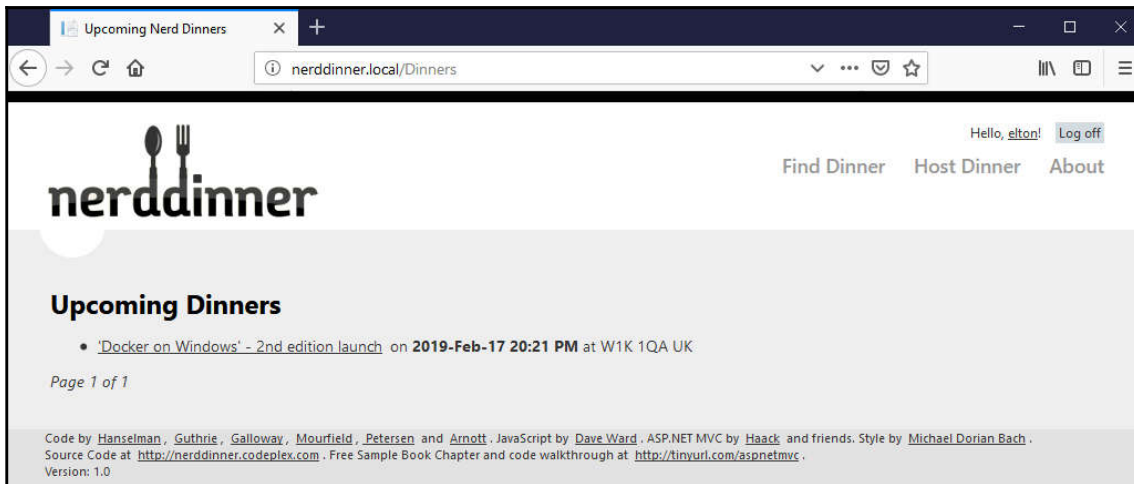
Country

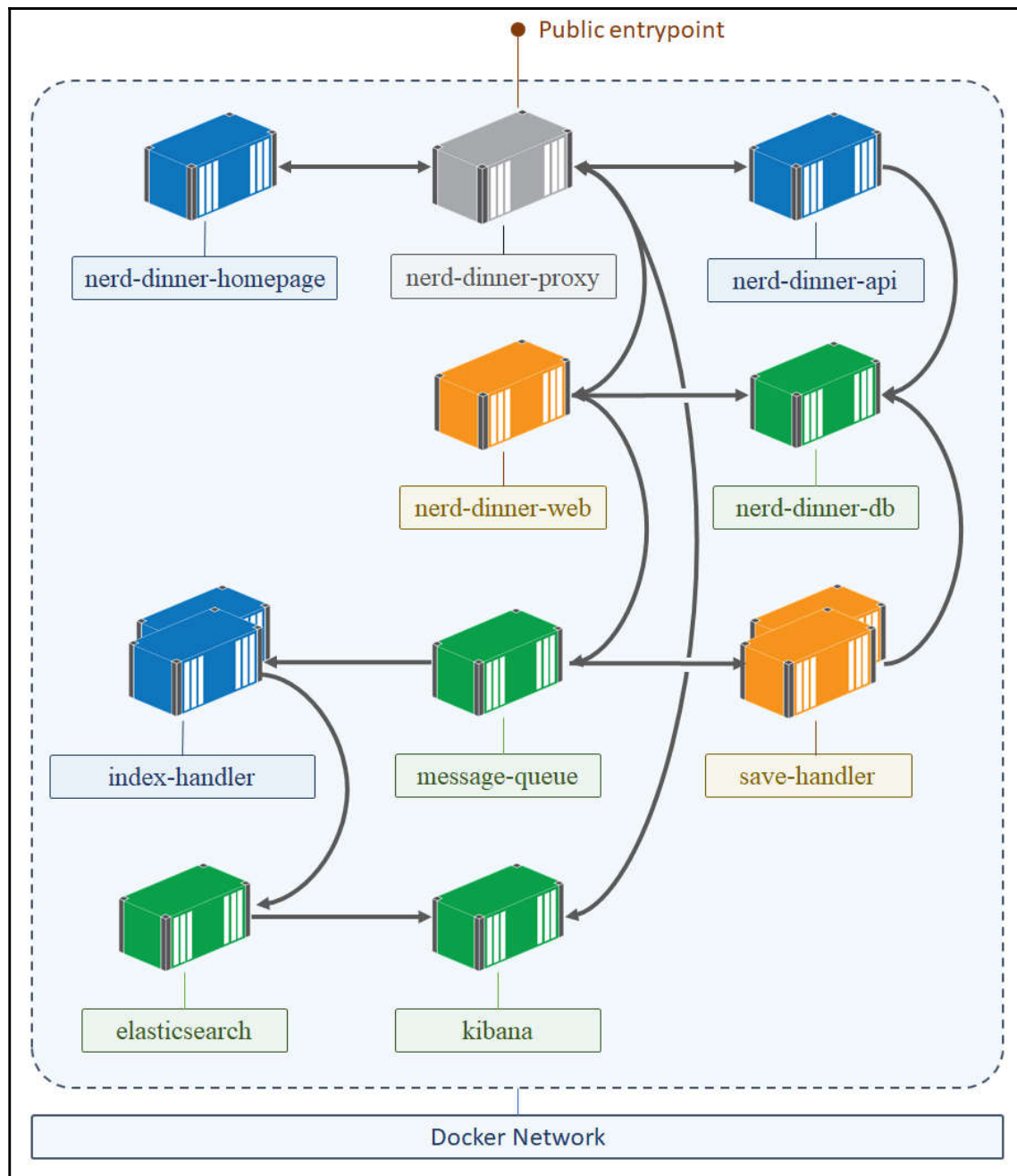
UK

Code by [Hanselman](#), [Guthrie](#), [Galloway](#), [Mourfield](#), [Petersen](#) and [Arnott](#). JavaScript by [Dave Ward](#). ASP.NET MVC by [Haack](#) and friends. Style by [Michael Dorian Bach](#).
Source Code at <http://nerddinner.codeplex.com>. Free Sample Book Chapter and code walkthrough at <http://tinyurl.com/aspnetmvc>.

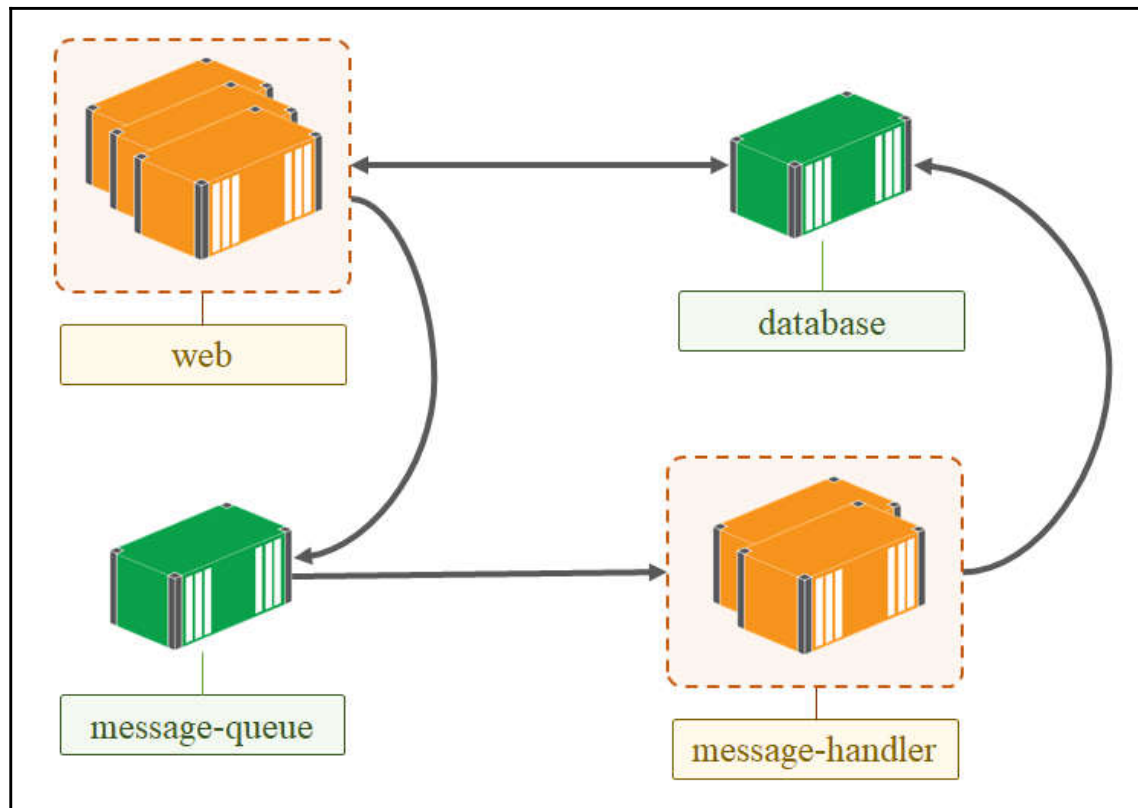
Version: 1.0
localhost:55817

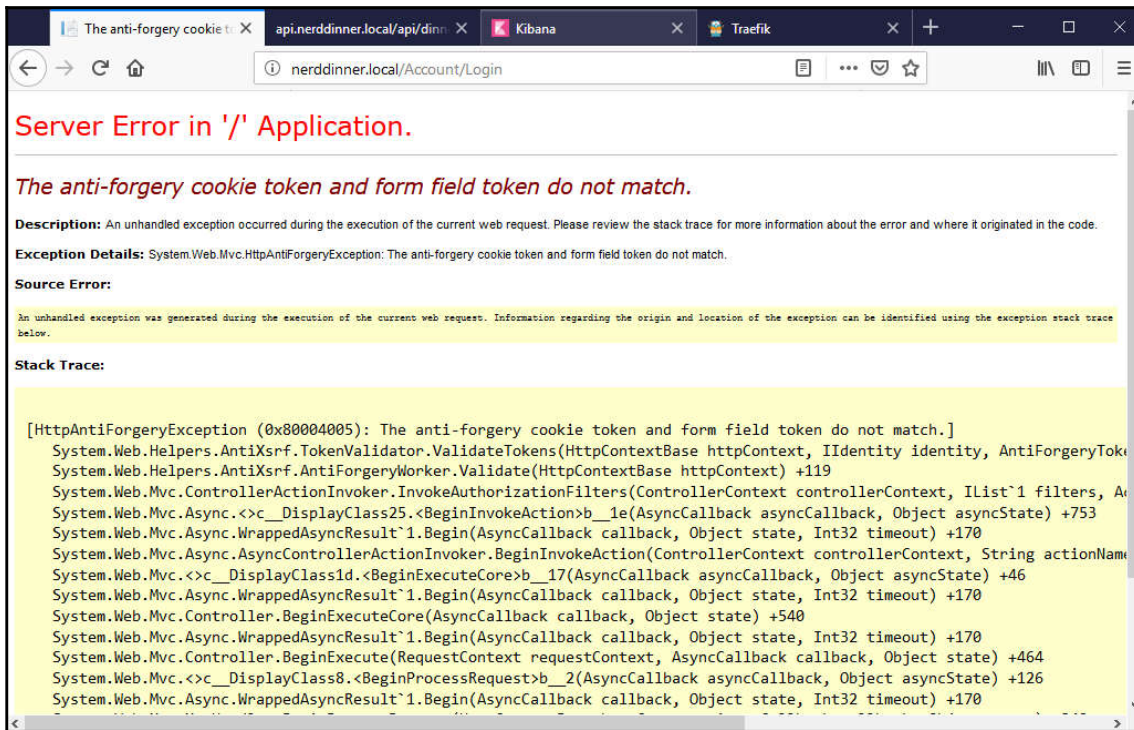






Chapter 6: Organizing Distributed Solutions with Docker Compose





Nerd Dinner

api.nerddinner.local/api/dinner

Kibana

Traefik

nerddinner.local/home/find



Hello, elton! [Log off](#)

[Find Dinner](#) [Host Dinner](#) [About](#)

Nerd Dinner.

Organizing the world's nerds and helping them eat in packs.

Find a Dinner

Enter your location or [View All Upcoming Dinners](#).

Inspector

Console

Debugger

Style Editor

Performance

Memory

Network

Storage

Accessibility

Filter URLs

All HTML CSS JS XHR Fonts Images Media WS Other

☐ Persist Logs ☐ Disable cache No throttling HAR

Status	Method	Domain	F...	Cause	Type	
200	GET	nerddinner.l...	find	document	html	6.1e
200	GET	nerddinner.l...	sit...	stylesheet	css	3.0e
304	GET	nerddinner.l...	mo...	script	js	cad
304	GET	nerddinner.l...	jqu...	script	js	cad
304	GET	nerddinner.l...	kn...	script	js	cad
304	GET	nerddinner.l...	ye...	script	js	cad
304	GET	nerddinner.l...	Ne...	script	js	cad
302	GET	www.bing.c...	ma...	script	js	27.2
200	GET	www.bing.c...	ma...	script	js	27.2

66 requests 6.83 MB / 409.38 KB transferred Finish: 4.35 s DOMContentLoaded

Headers

Cookies

Params

Response

Timings

Stack Trace

Filter cookies

Request cookies

__RequestVerificationToken: -gjdHmCIZvsY01KZAUSMwqQl5wMTXbhQ_iLuDNBn-YFLN38bjHvMgCzVkjetyRY7dKTRWzfedGyCz79kRftVZ6HAUUtD7PCbn-VcwcQqwU1

._d18b8: http://172.20.26.74:80

.ASPXAUTH: 898C1360F2D4998D7E1F3616C912A32750E797AADAD34A54B858B784D38A7CD2C9E58CDF5F05E46979045769C6DD1A5FF91FF3ADC781FE3885748737C02FB3DA3563D78EBC8877541D6F125C4BFC773E7A4E8FC6D24570EA910B9110E03E0F35

SQL ELECTRON

nerd-dinner-db / NerdDinner

nerd-dinner-db

SQL Server

Search...

Q

master

model

msdb

NerdDinner

Search...

Q

Tables

dbo

dbo.__RefactorLog

dbo.Dinners

dbo.RSVPs

dbo.UserProfile

dbo.webpages_Membership

NerdDinner / Dinners #1

+

1

2

3

SELECT TOP 1 DinnerID, Title, UpdatedAt

FROM Dinners

ORDER BY DinnerID DESC

Wrap Contents

i

Execute or Discard

Rows 1

CSV JSON

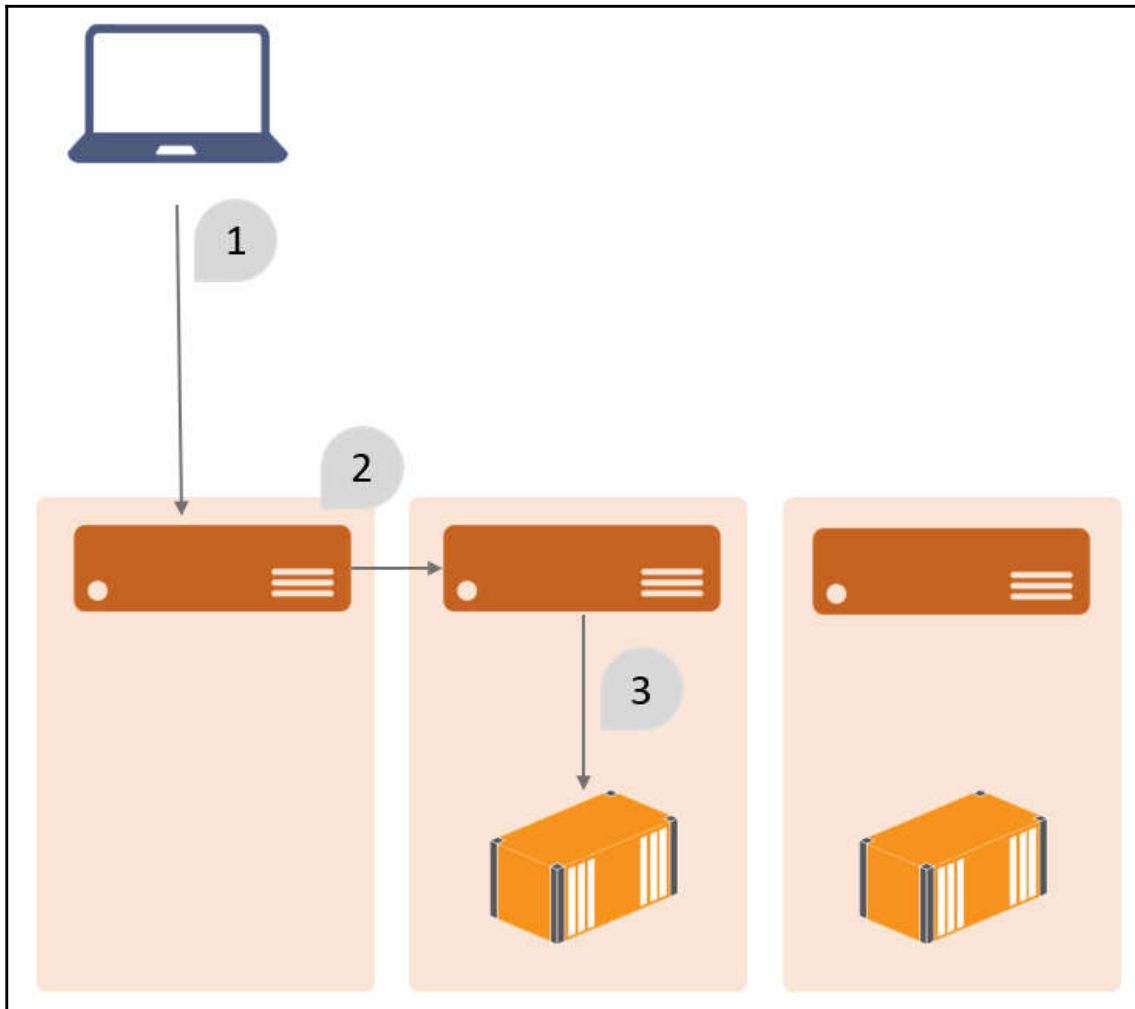
CSV JSON

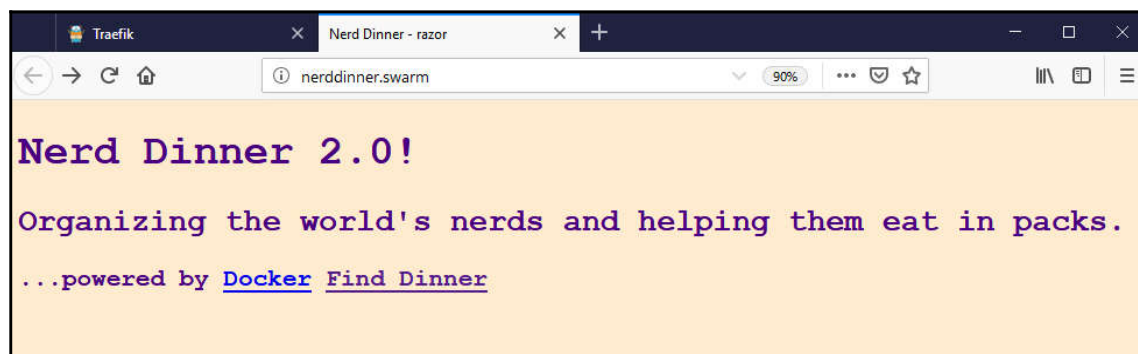
DinnerID	Title	UpdatedAt
7	Dinner 3	2019-02-12T14:01:31.173Z

> Log error

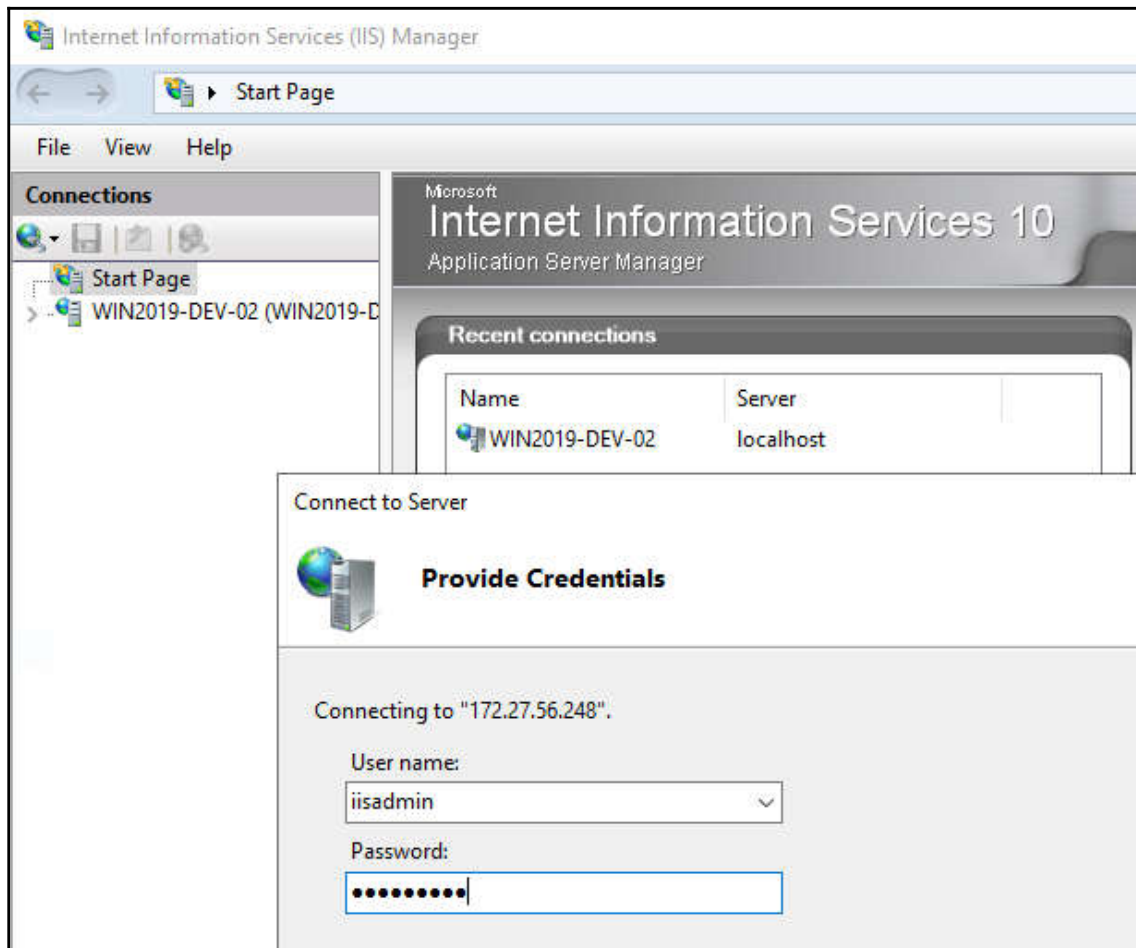
Github

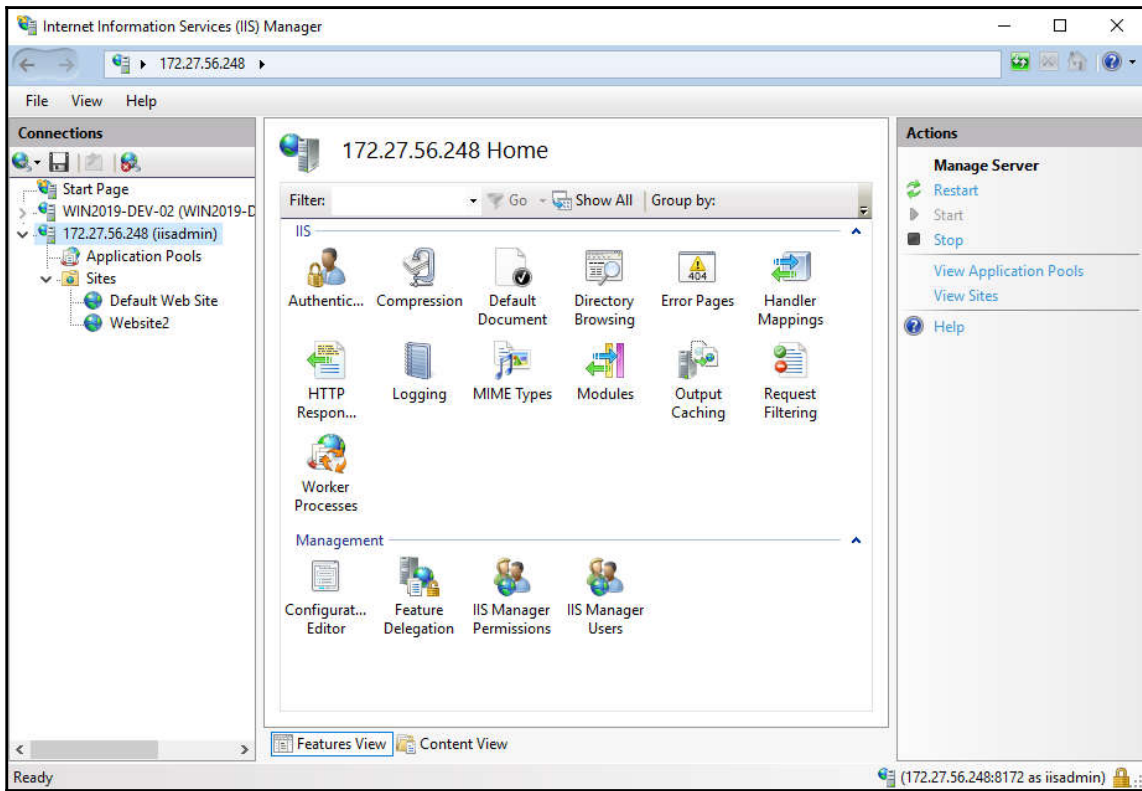
Chapter 7: Orchestrating Distributed Solutions with Docker Swarm





Chapter 8: Administering and Monitoring Dockerized Solutions





 Connect to Server ✕

SQL Server

Server type:

Database Engine

Server name:

172.31.117.137

Authentication:

SQL Server Authentication

Login:

sa

Password:

☐ Remember password

Connect

Cancel

Help

Options >>

Sqlectron

FileQueryEditViewFindHelp

SQL ELECTRON

sql-server

DockerOnWindows

Search...

Q

▼ DockerOnWindows

Search...

Q

▼ Tables

▼ dbo

▶ dbo.Authors

▶ dbo.ChapterAuthors

▶ dbo.Chapters

▶ Views

▶ Functions

▶ Procedures

▶ master

▶ model

undefined #1

DockerOnWindows / Authors #2

+

1

SELECT TOP 1000 * FROM [Authors]

Wrap Contents

i

Execute or Discard

Rows 1

CSVJSON

CSVJSON

AuthorId	Name	TwitterId	BlogUrl
2	Elton Stoneman	@EltonStoneman	https://blog.sixeyed.com

Log error

Github

SERVERS

All servers | 1 total

Filter

Server Name

IPv4 Address

Manageability

Last Update

Windows Activation

WIN2019-DEV-02

172.27.48.1,192.168.2.214

Online - Performance counters not started

18/02/2019 10:14:12

00430-70396-22384-AA572 (Activated)

+

Add Servers

-

×

Active Directory

DNS

Import

Search: 9c097d80c08b

Name

IP Address

9c097d80c08b

172.27.59.5

Selected

Computer

EVENTS

All events | 0 total

Filter

Server Name

ID

Seve

■ ■ All servers | 2 total

All servers | 2 total

Refresh failed

Filter

Server Name	IPv4 Address	Manageability	Last Update	Windows Activation
9c097d80c08b	-	Online - Access denied	18/02/2019 10:19:38	-
WIN2019-DEV-02	172.27.48.1,192.168.2.214	Online - Performance counters not started	18/02/2019 10:14:12	00430-70396-22384-AA572 (Activated)

All events | 0 total

All events | 0 total

Filter

Server Name	ID	Severity	Source	Log	Date and Time
-------------	----	----------	--------	-----	---------------

Windows Security

Enter User Account and Password

Enter the name and password of an account with user rights on the selected servers.

For example, user, user@example.contoso.com, or domain\user name.

Entering a blank user name and password deletes cached credentials.

9c097d80c08b\serveradmin

••••••••

☐ Remember me

OK

Cancel



SERVERS

All servers | 2 total

Filter 



Server Name	IPv4 Address	Manageability	Last Update	Windows Activation
9C097D80C08B	172.27.59.5	Online - Performance counters not started	18/02/2019 10:20:42	00431-40000-00000-AA787 (Activated)
WIN2019-DEV-02	172.27.48.1, 192.168.2.214	Online - Performance counters not started	18/02/2019 10:14:12	00430-70396-22384-AA572 (Activated)

EVENTS

All events | 3 total

Filter 



Server Name	ID	Severity	Source	Log	Date and Time
9C097D80C08B	7023	Error	Microsoft-Windows-Service Control Manager	System	18/02/2019 10:12:06
9C097D80C08B	701	Error	Microsoft-Windows-TaskScheduler	System	18/02/2019 10:12:06
9C097D80C08B	701	Error	Microsoft-Windows-TaskScheduler	System	18/02/2019 10:12:06



```
nerd-dinner_elasticsearch
image: elasticsearch:5.6.11-alpine
tag: 5.6.11-alpine@sha256:1e91813
updated: 18/2/11/52
elasticsearch@967240e95c61a060c346
state: running
```

VANCOVIA
HCP-000001

portainer.io

Home

PRIMARY

Dashboard

App Templates

Stacks

Services

Containers

Images

Networks

Volumes

Configs

Secrets

Swarm

SETTINGS

Extensions

Users

Endpoints

Registries

Settings

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Endpoint summary

Portainer support admin

[my account](#)

[log out](#)

Cluster information

Nodes in the cluster

4

Go to cluster visualizer

4

Stacks

19

Services

150

Containers

114 running

32 stopped

76

Images

9.5 GB

62

Volumes

29

Networks

Cluster information

Hide

Nodes	6
Services	19
Tasks	73

Filters

Only display running tasks ☒

Refresh

Rate

Cluster visualizer

dcl-I5gjvhv8z-worker-linux-1 
worker
CPU: 2
Memory: 7.31 CB
ready

nerd-dinner_kibana
Image: kibana:5.6.11
Status: running
Update: 2019-02-18 11:52:10

nerd-dinner_message-queue
Image: nats:1.4.1-linux

dcl-I5gjvhv8z-manager-linux-1 
manager
CPU: 4
Memory: 14.71 CB
ready

nerd-dinner_reverse-proxy
Image: traefik:v1.7.8-alpine
Status: running
Update: 2019-02-18 14:55:19

portainer_agent
Image: portainer/agent:latest

dcl-I5gjvhv8z-1 
worker
CPU: 2
Memory: 7.52 CB
ready

nerd-dinner_nerd-dinner-api
Image: dockeronwindows/ch07-nerd-dinner-api.2e
Status: running
Update: 2019-02-18 11:52:19

nerd-dinner_nerd-dinner-db
Image: dockeronwindows/ch07-nerd-dinner-db.2e

portainer.io

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Service list

Services

Portainer supportadmin

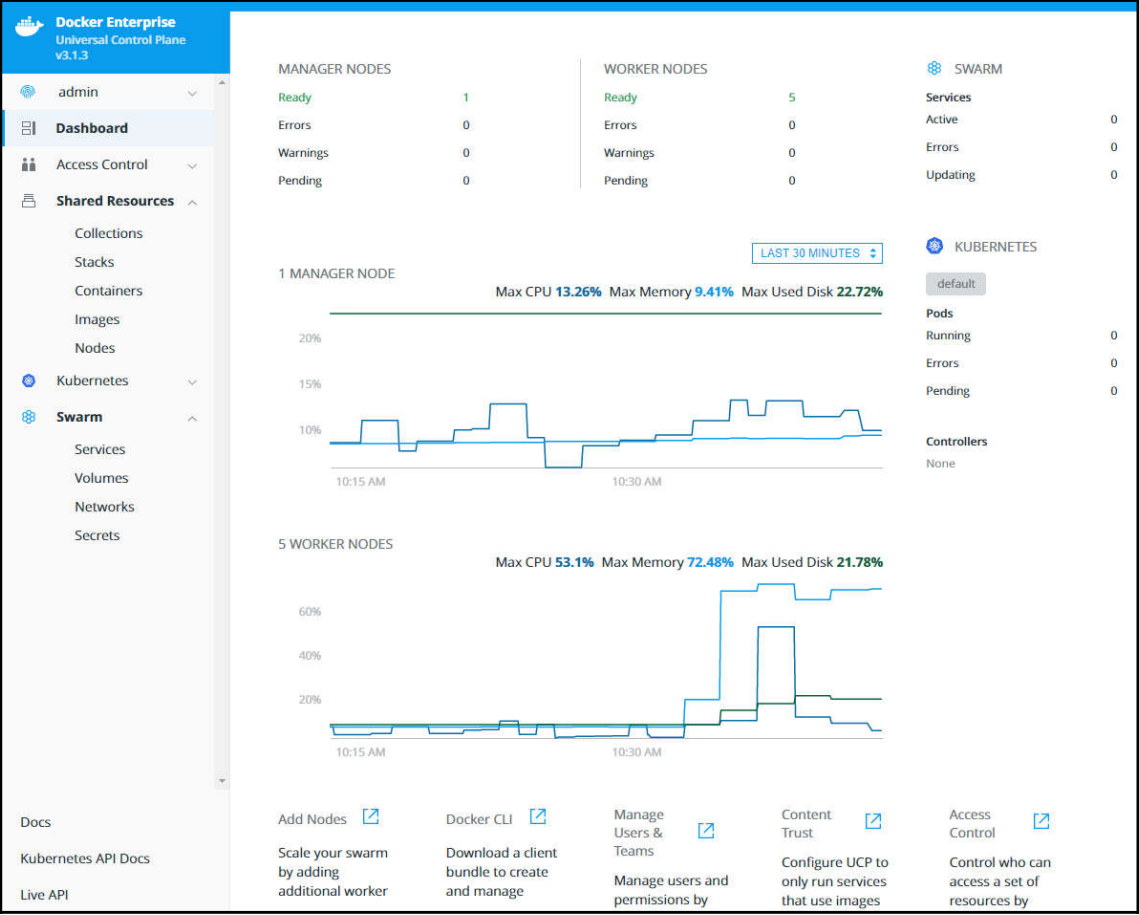
my accountip99.org

Services

UpdateRemoveAdd service

Search...

☐	Name	Stack	Image	Scheduling Mode	Public Port
☐	nerd-dinner_elasticsearch	nerd-dinner	elasticsearch:5.6.11-alpine	replicated 1 / 1 Scale	-
☐	nerd-dinner_kibana	nerd-dinner	kibana:5.6.11	replicated 1 / 1 Scale	-
☐	nerd-dinner_message-queue	nerd-dinner	nats:1.4.1-linux	replicated 1 / 1 Scale	-
☐	nerd-dinner_nerd-dinner-api	nerd-dinner	dockeronwindows/ch07-nerd-dinner-api:2e	replicated 2 / 2 Scale	-
☐	nerd-dinner_nerd-dinner-db	nerd-dinner	dockeronwindows/ch07-nerd-dinner-db:2e	replicated 1 / 1 Scale	-
☐	nerd-dinner_nerd-dinner-homepage	nerd-dinner	dockeronwindows/ch07-nerd-dinner-homepage:2e	replicated 2 / 2 Scale	-
☐	nerd-dinner_nerd-dinner-index-handler	nerd-dinner	dockeronwindows/ch05-nerd-dinner-index-handler:2e	replicated 2 / 2 Scale	-
☐	nerd-dinner_nerd-dinner-save-handler	nerd-dinner	dockeronwindows/ch05-nerd-dinner-save-handler:2e	replicated 6 / 3 Scale	-
☐	nerd-dinner_nerd-dinner-web	nerd-dinner	dockeronwindows/ch07-nerd-dinner-web:2e	replicated 2 / 2 Scale	-
☐	nerd-dinner_reverse-proxy	nerd-dinner	traefik:v1.7.8-alpine	replicated 1 / 1 Scale	80
☐	portainer_agent	portainer	portainer/agent:latest	global 4 / 6	-
☐	portainer_portainer	portainer	portainer/portainer:latest	replicated 1 / 1 Scale	80



dci-l5gjhv8z-manager-linux-1

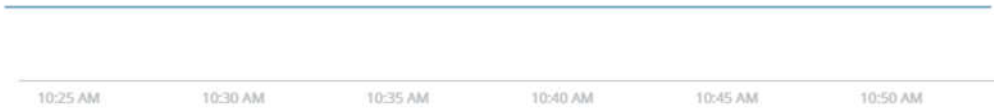
● ready Created an hour ago, Last updated an hour ago

Overview Metrics Volumes Networks

HEALTH

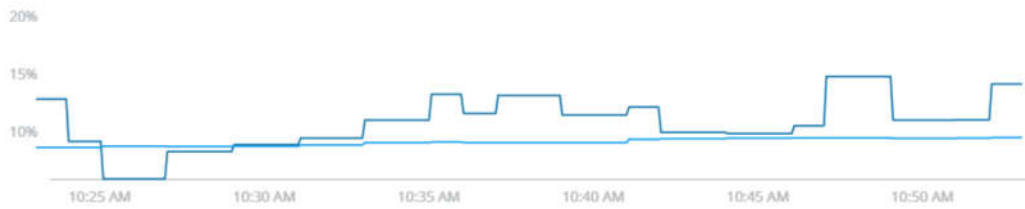
LAST 30 MINUTES ▾

Up time: Node Health **100%**



RESOURCES

Avg CPU (4 cores) **10.73%** Avg Memory (13.7 GB) **9.11%** Avg Used Disk **22.72%**



37 CONTAINERS ⓘ

Healthy Containers **11** Unhealthy Containers **0**

10

Create Volume

Details

Collection

Details

Name

local-volume

Driver

local

Options

option=value space separated

Labels [Add Label +](#)

No labels setup.

6 Volume(s)



Q local

Actions



Create

☐	NAME	NODE	MOUNTPOINT	DRIVER
	local-volume	dci-l5gjhv8z-1	C:\ProgramData\docker\volumes\local-volume_data	local
	local-volume	dci-l5gjhv8z-2	C:\ProgramData\docker\volumes\local-volume_data	local
	local-volume	dci-l5gjhv8z-dtr-linux-1	/var/lib/docker/volumes/local-volume/_data	local
	local-volume	dci-l5gjhv8z-manager-linux-1	/var/lib/docker/volumes/local-volume/_data	local
	local-volume	dci-l5gjhv8z-worker-linux-1	/var/lib/docker/volumes/local-volume/_data	local
	local-volume	dci-l5gjhv8z-worker-linux-2	/var/lib/docker/volumes/local-volume/_data	local

Pull Image

Details

Name

Authentication (Optional)

Username

Password

Pull Image

[illegible]

[<](#) [Images](#)

dockeronwindows/ch07-nerd-dinner-api:2e

Vulnerabilities: No scanning data

[Overview](#)

[View Layers](#)

Id

sha256:59a4583831ef2933cd... 

Size

429.36 MB

Author

Unknown

Comment

None

Docker Version

18.09.2

Platform

windows amd64

User

ContainerAdministrator

Health Check

N/A

Working Directory

C:\dinner-api

Command

N/A

Entrypoint

dotnetNerdDinner.DinnerApi.dll

Create Network

Details

Collection

Details

Driver

overlay

Name

Name

Scope

SWARM

LOCAL

IPAM [Configure IPAM +](#)

No IPAM configurations defined for this network

IPAM Driver

default

IPAM Options

option=value space separated

☐ Encrypt communication between containers on different nodes

MTU

1500

Create Application

X
Esc

✓ 1. Configure Application

Name

nerd-dinner

Orchestrator Mode

Swarm Services

Application File Mode

Compose file

Edit

2. Add Application File

docker-compose.yml

[Upload docker-compose.yml file](#)

```
124     constraints:
125       - node.platform.os == windows
126     replicas: 2
127     image: dockeronwindows/ch07-nerd-dinner-web:2e
128     networks:
129       nd-net: null
130     secrets:
131       - source: nerd-dinner-secrets
132         target: C:\nerd-dinner\config\secrets.json
133     reverse-proxy:
134       command: --docker --docker.swarmMode --docker.watch --docker.endpoint=unix:///var/
135       --api
136     deploy:
137       placement:
138         constraints:
139           - node.platform.os == windows
140           - node.role == manager
141       image: traefik:v1.7.8-alpine
142     networks:
143       nd-net: null
144     ports:
145       - published: 80
146         target: 80
147       - published: 8080
148         target: 8080
149     volumes:
150       - /var/run/docker.sock:/var/run/docker.sock:rw
151     version: '3.7'
```

Cancel

Create

Docker Enterprise

Universal Control Plane

v3.1.3

admin

Dashboard

Access Control

Shared Resources

Collections

Stacks

Containers

Images

Nodes

Kubernetes

Swarm

Services

Volumes

Networks

Secrets

10 Service(s)

Actions

Create

	STATUS	NAME	IMAGE	VULNERABILITIES	MODE	UPDATED AT
	2/2	nerd-dinne	dockeronwindows/ch07-nerd-dinner-api:2e@...	--	Replicated	4 minutes a...
	1/1	nerd-dinne	nats:1.4.1-linux@sha256:fb50f175649445c21...	--	Replicated	4 minutes a...
	2/2	nerd-dinne	dockeronwindows/ch05-nerd-dinner-index-ha...	--	Replicated	4 minutes a...
	1/1	nerd-dinne	kibana:5.6.11@sha256:8626cece76a1069348a...	--	Replicated	4 minutes a...
	1/1	nerd-dinne	traefik:v1.7.8-alpine@sha256:6510164717002...	--	Replicated	3 minutes a...
	1/1	nerd-dinne	dockeronwindows/ch07-nerd-dinner-db:2e@s...	--	Replicated	4 minutes a...
	1/1	nerd-dinne	elasticsearch:5.6.11-alpine@sha256:1a918476...	--	Replicated	4 minutes a...
	2/2	nerd-dinne	dockeronwindows/ch07-nerd-dinner-web:2e...	--	Replicated	4 minutes a...
	2/2	nerd-dinne	dockeronwindows/ch07-nerd-dinner-homepa...	--	Replicated	4 minutes a...
	3/3	nerd-dinne	dockeronwindows/ch05-nerd-dinner-save-ha...	--	Replicated	4 minutes a...

Create Service

Details

Collection

Scheduling

Network

Environment

Resources

Logging

Service Details

Name

Task Template

Image*

☐ Requires Registry Authentication

Command

Args

Working Directory

User

Stop Grace Period (Ms)

Details

Collection

Scheduling

Network

Environment

Resources

Logging

Mode

REPLICATED GLOBAL

Scale

1

Constraints [Add Constraint +](#)

You have not setup any constraints.

Update Configuration

Update Parallelism

1

Update Delay (Seconds)

0

Update Maximum Failure Ratio [?](#)

0

Update Failure Action [?](#)

PAUSE CONTINUE ROLLBACK

Restart Policy

Condition

NEVER ON FAILURE ALWAYS

nerd-dinner_nerd-dinner-web

2 / 2 Last Updated 26 minutes ago / Last Error: 29 minutes ago: task: non-zero exit (1)

Overview

Metrics

SECRETS

nerd-dinner-secrets



Mode

444

UID

0

GID

0

ENVIRONMENT

Nothing has been defined for this resource. You can configure this resource by editing it or its parent.

LABELS

com.docker.stack.image:dockeronwindows/ch07-nerd-dinner-web:2e

com.docker.stack.namespace:nerd-dinner

com.docker.ucp.access.label:/

com.docker.ucp.collection:swarm

com.docker.ucp.collection.root:true

com.docker.ucp.collection.swarm:true

traefik.backend.loadbalancer.stickiness:true

traefik.frontend.priority:1

traefik.frontend.rule:Host:nerddinner.sixeyed.com;PathPrefix:/

traefik.port:80

CONSTRAINTS

node.platform.os : windows

node.labels.com.docker.ucp.collection.swarm:true

Update Service

Details

Collection

Scheduling

Network

Environment

Resources

Logging

Service Mode

Mode

Replicated

Scale

2

Constraints [Add Constraint +](#)

node.platform.os == windows

node.labels.com.docker.ucp.collection.swarm==true

node.labels.com.docker.ucp.orchestrator.swarm==true



nerd-dinner_reverse-proxy.1.eyydm1cfj3x2g7gb5dtbcb5vy

● running Created 35 minutes ago

Overview

Metrics

Vulnerabilities: No scanning data

LABELS

- com.docker.stack.namespace:nerd-dinner
- com.docker.swarm.node.id:3s4q9mc9g2w7oco0ho6bm3jog
- com.docker.swarm.service.id:kwgi2oot75mjwxc3uyvwnwp9lo
- com.docker.swarm.service.name:nerd-dinner_reverse-proxy
- com.docker.swarm.task:
- com.docker.swarm.task.id:eyydm1cfj3x2g7gb5dtbcb5vy
- com.docker.swarm.task.name:nerd-dinner_reverse-proxy.1.eyydm1cfj3x2g7gb5dtbcb5vy
- com.docker.ucp.access.label:/
- com.docker.ucp.collection:swarm
- com.docker.ucp.collection.root:true
- com.docker.ucp.collection.swarm:true
- org.label-schema.description:A modern reverse-proxy
- org.label-schema.docker.schema-version:1.0
- org.label-schema.name:Traefik
- org.label-schema.url:https://traefik.io
- org.label-schema.vendor:Containous
- org.label-schema.version:v1.7.8

PROCESSES

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	13021	12929	0	11:57	?	00:00:03	traefik traefik --docker --docker.swa...

● /nerd-dinner_elasticsearch.1.mco...
Created: 18/02/2019 11:52:01

Logs

✕
Esc



100 Lines

```
12 [2019-02-18T11:52:05,393][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [lang-painless]
13 [2019-02-18T11:52:05,393][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [parent-join]
14 [2019-02-18T11:52:05,393][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [percolator]
15 [2019-02-18T11:52:05,393][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [reindex]
16 [2019-02-18T11:52:05,393][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [transport-netty3]
17 [2019-02-18T11:52:05,394][INFO ][o.e.p.PluginsService ] [6qGOX81] loaded module [transport-netty4]
18 [2019-02-18T11:52:05,394][INFO ][o.e.p.PluginsService ] [6qGOX81] no plugins loaded
19 [2019-02-18T11:52:07,562][INFO ][o.e.d.DiscoveryModule ] [6qGOX81] using discovery type [zen]
20 [2019-02-18T11:52:08,170][INFO ][o.e.n.Node ] [6qGOX81] initialized
21 [2019-02-18T11:52:08,171][INFO ][o.e.n.Node ] [6qGOX81] starting ...
22 [2019-02-18T11:52:08,383][INFO ][o.e.t.TransportService ] [6qGOX81] publish_address {127.0.0.1:9300}, bound_addresses {127.0.0.1:9300}
23 [2019-02-18T11:52:08,401][WARN ][o.e.b.BootstrapChecks ] [6qGOX81] max virtual memory areas vm.max_map_count [65530] is too low, increase to avoid
24 [2019-02-18T11:52:11,464][INFO ][o.e.c.s.ClusterService ] [6qGOX81] new_master {6qGOX81}{6qGOX819Qnyh2gCdOUirPw}{oaY171hKR2Z}
25 [2019-02-18T11:52:11,493][INFO ][o.e.h.n.Netty4HttpServerTransport] [6qGOX81] publish_address {10.0.0.15:9200}, bound_addresses {10.0.0.15:9200}
26 [2019-02-18T11:52:11,493][INFO ][o.e.n.Node ] [6qGOX81] started
27 [2019-02-18T11:52:11,511][INFO ][o.e.g.GatewayService ] [6qGOX81] recovered [0] indices into cluster_state
28 [2019-02-18T11:52:17,803][INFO ][o.e.c.m.MetadataCreateIndexService] [6qGOX81] [.kibana] creating index, cause [api], template
```

bash

Run

```
root@20781d571819:/# ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
38: eth0@if39: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1450 qdisc noqueue state UP group default
    link/ether 02:42:0a:00:00:1f brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.31/24 brd 10.0.0.255 scope global eth0
        valid_lft forever preferred_lft forever
40: eth1@if41: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:ac:12:00:04 brd ff:ff:ff:ff:ff:ff
    inet 172.18.0.4/16 brd 172.18.255.255 scope global eth1
        valid_lft forever preferred_lft forever
root@20781d571819:/#
root@20781d571819:/#
root@20781d571819:/# ping -c 3 elasticsearch
PING elasticsearch (10.0.0.14) 56(84) bytes of data:
64 bytes from 10.0.0.14: icmp_seq=1 ttl=64 time=0.059 ms
64 bytes from 10.0.0.14: icmp_seq=2 ttl=64 time=0.069 ms
64 bytes from 10.0.0.14: icmp_seq=3 ttl=64 time=0.054 ms

--- elasticsearch ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2014ms
rtt min/avg/max/mdev = 0.054/0.060/0.069/0.010 ms
root@20781d571819:/#
```

Organization: nerd-dinner

Team: Nerd Dinner Ops

User: elton

Team: Nerd Dinner Testers

View Only

Restricted Control

Full Control

Scheduler

Collection: nerd-dinner

Collection: nerd-dinner-prod

Collection: nerd-dinner-uat

Collection: nerd-dinner-test

 **Docker Enterprise**

Universal Control Plane

v3.1.3

 admin

Dashboard

Access Control

Orgs & Teams

Users

Roles

Grants

Shared Resources

Kubernetes

Swarm

Grants

KubernetesSwarm

☐

SUBJECT ↕

ROLE ↕

RESOURCE SETS ↕

☐

Org - docker-datacenter

Scheduler

/

admin

Restricted Control

/Shared/Private/admin

admin

Scheduler

/Shared

admin

Full Control

/

Org - nerd-dinner

View Only

/nerd-dinner

Team - Nerd Dinner Ops

Restricted Control

/nerd-dinner

elton

Full Control

/nerd-dinner/nerd-dinner-uat

Team - Nerd Dinner Testers

Scheduler

/nerd-dinner/nerd-dinner-test

Update Service

Details

Collection

Scheduling

Network

Environment

Resources

Logging

Service Collection

Collections / Swarm / nerd-dinner

NAME

nerd-dinner-prod

nerd-dinner-uat

nerd-dinner-test

Selected

Select Collection

Select Collection

 **Docker Enterprise**
Universal Control Plane
v3.1.3

 nikola

 Dashboard

 Shared Resources

 Kubernetes

 Swarm

 **Services**

 Volumes

 Networks

 Secrets

1 Service(s)

Actions

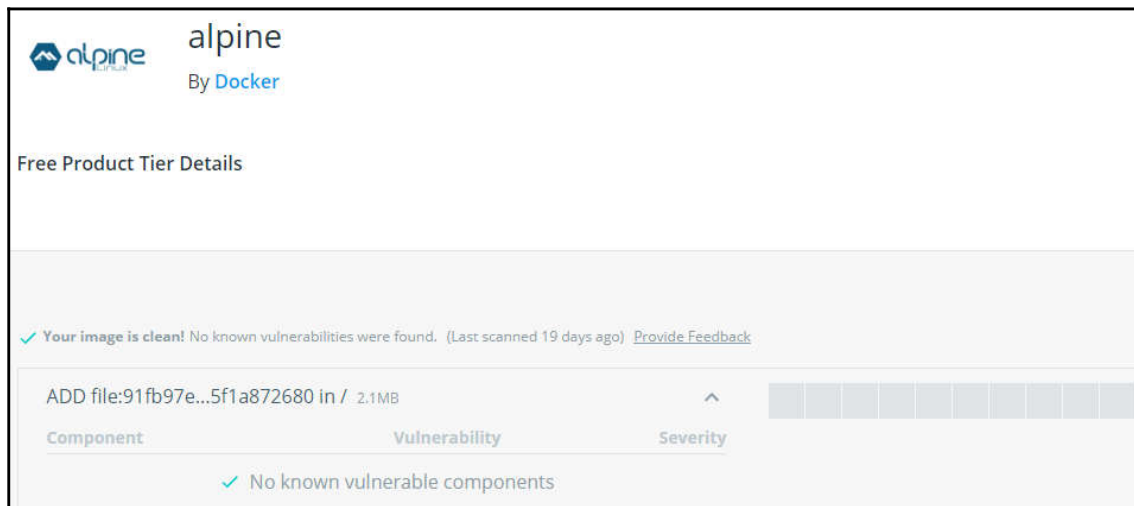
☐	STATUS	NAME	IMAGE	MODE	UPDATED AT	LAST ERROR
☒	1/1	nerd-dinne	traefik:v1...	Replicated	40 minutes ...	

☐	STATUS	NAME	IMAGE	MODE	UPDATED AT	LAST ERROR
☒	1/1	nerd-dinne	traefik:v1.7.8...	Replicated	44 minutes ...	

Service

access denied: no access to Service Create with [Host Bind Mounts], Service Update, on collection eccf0655-a1b3-4d6d-8a80-732267b2e194 no access to Service Create with [Host Bind Mounts], Service Update, on collection eccf0655-a1b3-4d6d-8a80-732267b2e194 no access to Service Update, on collection eccf0655-a1b3-4d6d-8a80-

Chapter 9: Understanding the Security Risks and Benefits of Docker





nats

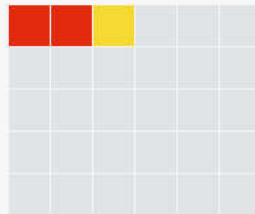
By Synadia

Official Image Details

There are 3 vulnerable components (Last scanned 2 years ago) [Provide Feedback](#)

powershell -Comm...entlyContinue']; 241.0MB base layer ^

Component	Vulnerability	Severity
zlib 1.2.8	CVE-2016-9841	Critical
zlib: Permissive License	CVE-2016-9843	Critical
PATH(S):	CVE-2016-9840	Major
None available	CVE-2016-9842	Major
zlib	CVE-2016-9841	Critical
zlib: Permissive License	CVE-2016-9843	Critical
PATH(S):	CVE-2016-9840	Major
None available	CVE-2016-9842	Major
sqlite3 3.9.2	CVE-2016-6153	Major
Public domain: Permissive License		
PATH(S):		
None available		



Organizations / nerd-dinner

nerd-dinner

Members

Repositories

Settings

Org Members

Teams

Nerd Dinner Ops

Nerd Dinner Testers

Repository

Scan On Image Push

Permissions

[nerd-dinner / nerd-dinner-web](#)



Read-write



nerd-dinner / nerd-dinner-web: 2e

windows / amd64 4eaa3abdee 1.74 GB Pushed 10 minutes ago by elton 2 critical 5 major All layers already scanned

DeletePromoteScan

LayersComponents

System.Net.Http4.6.24705.011 Critical 2 Major

Microsoft.AspNetCore.Mvc4.0.0.01 Major

DotNetOpenAuth.OpenId.Core4.3.0.13117Clean

Microsoft.AspNetCore.Mvc

Version: 4.0.0.0License: DOTNET

Vulnerabilities	Severity	Description
CVE-2014-4075	4.3	Cross-site scripting (XSS) vulnerability in System.Web.Mvc.dll in Microsoft ASP.NET Model View Controller (MVC) 2.0 through 5.1 allows remote attackers to inject arbitrary web scripts or HTML via a crafted web page, aka "MVC XSS Vulnerability."

Show layers affected

Docker EnterpriseTrusted Registry2.6.1

adminSearchRepositoriesOrganizationsUsersSystem

Users / elton / Repositories

elton

Full NameElton

RepositoriesTeamsSettingsAccess Tokens

Repository	Scan On Image Push	
elton / private-appprivate	✓	View Details

Organizations / nerd-dinner / Repositories

nerd-dinner

Org MembersTeamsNerd Dinner OpsNerd Dinner Testers

MembersRepositoriesSettings

New repository

Repository	Scan On Image Push	
nerd-dinner / nerd-dinner-api	✓	View Details
nerd-dinner / nerd-dinner-db		View Details
nerd-dinner / nerd-dinner-homepage	✓	View Details
nerd-dinner / nerd-dinner-index-handler	✓	View Details
nerd-dinner / nerd-dinner-save-handler	✓	View Details
nerd-dinner / nerd-dinner-web	✓	View Details

Organizations / nerd-dinner

nerd-dinner

Org Members

Teams +

Nerd Dinner Ops

Nerd Dinner Testers

Members

Repositories

Settings

New repository

Repository	Scan On Image Push	Permissions	
nerd-dinner / nerd-dinner-web	✓	Read-write	View Details
nerd-dinner / nerd-dinner-api	✓	Read-write	View Details
nerd-dinner / nerd-dinner-db		Read-write	View Details
nerd-dinner / nerd-dinner-homepage	✓	Read-write	View Details
nerd-dinner / nerd-dinner-index-handler	✓	Read-write	View Details
nerd-dinner / nerd-dinner-save-handler	✓	Read-write	View Details

Organizations / nerd-dinner

nerd-dinner

Org Members

Teams +

Nerd Dinner Ops

Nerd Dinner Testers

Members

Repositories

Settings

New repository

Repository	Scan On Image Push	Permissions	
nerd-dinner / nerd-dinner-api	✓	Read-only	View Details
nerd-dinner / nerd-dinner-db		Read-only	View Details
nerd-dinner / nerd-dinner-homepage	✓	Read-only	View Details
nerd-dinner / nerd-dinner-index-handler	✓	Read-only	View Details
nerd-dinner / nerd-dinner-save-handler	✓	Read-only	View Details
nerd-dinner / nerd-dinner-web	✓	Read-only	View Details

nerd-dinner-test / web

InfoPermissionsTagsWebhooksPromotionsPruningMirrorsSettingsActivity

Is source

 Is target

New promotion policy

Promote To Target If...

Tag name

contains windowsservercore-ltsc2019

✕

Critical Vulnerabilities

less than or equals 1

✕

Major Vulnerabilities

less than or equals 5

✕

All Licenses

not one of GPL-v3

✕

Add filter

TARGET REPOSITORY

nerd-dinner-prod / web

✕

Tag Name In Target

%n

Variables for new tag name:

%n - tag name

%a - weekday (Sun, Mon, Tue)

%d - day of the month (01, 02, 31)

%b - month (Jan, Feb)

%m - month (01, 12)

%y - year (16, 17)

[See all variables](#)

Cancel

Save

Save & Apply

nerd-dinner-prod / web

InfoPermissionsTagsWebhooksPromotionsPruningMirrorsSettingsActivity

Is source

 Is target

New promotion policy

Source Repository	Last Promoted	Criteria	
nerd-dinner-test/web	🕒 2 minutes ago	Tag name, Major Vulnerabilities, All Licenses, Critical Vulnerabilities	👁 ✕

elton / private-app

Private

Info

Tags

Webhooks

Promotions

Pruning

Mirrors

Settings

Activity

☐	Image	Os/Arch	Image ID	Size (Compressed)	Signed	Last Pushed
☐	v2	windows / amd64	15bfedf6cb41	184.03 MB	Signed	2 minutes ago by elton
☐	latest	windows / amd64	15bfedf6cb41	184.03 MB		22 minutes ago by elton



Admin Settings

Swarm

Certificates

Layer 7 Routing

Cluster Configuration

Authentication & Authorization

Logs

Audit Logs

License

Docker Trusted Registry

Docker Content Trust

Usage

Scheduler

Upgrade

Content Trust Settings

☒ Run only signed images [?](#)

Select an Org and then Team in that Org. Signatures from all Teams listed required.

[Add Team +](#)

nerd-dinner



Nerd Dinner Ops



Create Service

X
Esc

Details

Collection

Scheduling

Network

Environment

Resources

Logging

Service Details

Name

private-app

Task Template

Image*

dltrapp-dow2e-hvtz.centralus.cloudapp.azure.com/elton/

☒ Requires Registry Authentication

Username

elton

Password

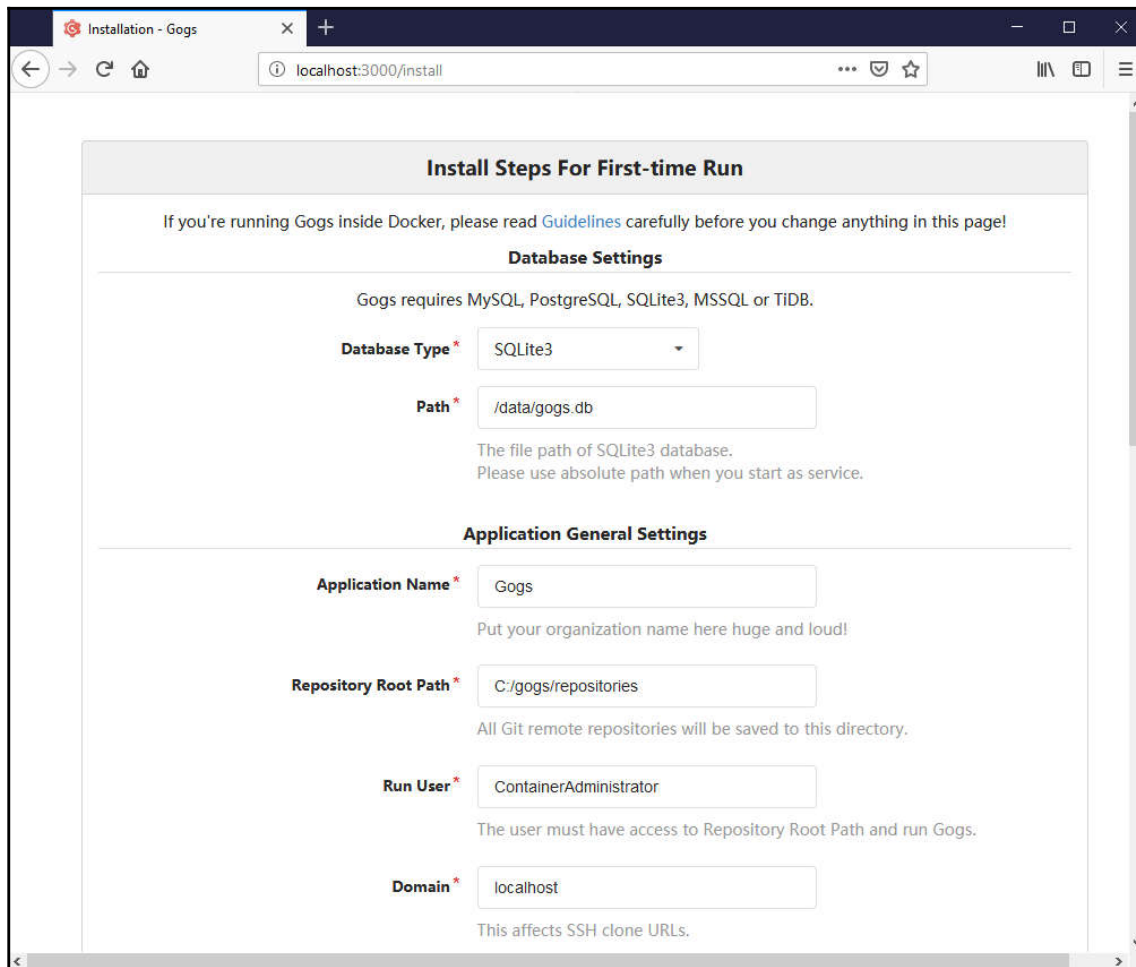
Service

X

image did not meet required signing policy

⌵

Chapter 10: Powering a Continuous Deployment Pipeline with Docker



The screenshot shows a web browser window with the title "Installation - Gogs" and the address bar displaying "localhost:3000/install". The page content is titled "Install Steps For First-time Run" and includes a note about Docker. It is divided into two main sections: "Database Settings" and "Application General Settings".

Install Steps For First-time Run

If you're running Gogs inside Docker, please read [Guidelines](#) carefully before you change anything in this page!

Database Settings

Gogs requires MySQL, PostgreSQL, SQLite3, MSSQL or TiDB.

Database Type*

Path*

The file path of SQLite3 database.
Please use absolute path when you start as service.

Application General Settings

Application Name*

Put your organization name here huge and loud!

Repository Root Path*

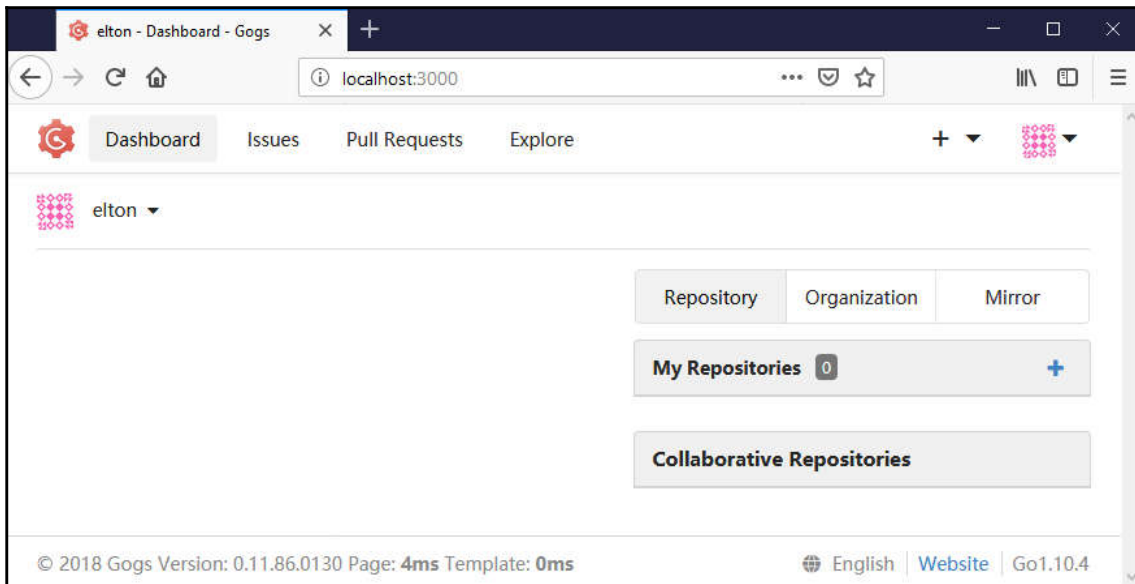
All Git remote repositories will be saved to this directory.

Run User*

The user must have access to Repository Root Path and run Gogs.

Domain*

This affects SSH clone URLs.



SetupWizard [Jenkins]

localhost:8080

Getting Started

Organization and Administration

Build Features

Build Tools

Build Analysis and Reporting

Pipelines and Continuous Delivery

Source Code Management

Distributed Builds

User Management and Security

Notifications and Publishing

All | None | Suggested

show: selected

Selected (3/57)

Note that the full list of plugins is not shown here. Additional plugins can be installed in the **Plugin Manager** once the initial setup is complete. [See the Wiki for more information.](#)

Organization and Administration (1/3)

☒ Folders

This plugin allows users to create "folders" to organize jobs. Users can define custom taxonomies (like by project type, organization type etc). Folders are nestable and you can define views within folders. Maintained by CloudBees, Inc.

Build Features (1/10)

☒ Credentials Binding

Allows credentials to be bound to environment variables for use from miscellaneous build steps.

Source Code Management (1/12)

☒ Git

This plugin integrates [Git](#) with Jenkins.

Jenkins 2.150.3

BackInstall

Update Center [Jenkins]

localhost:8080/pluginManager/available

 **Jenkins**

search

admin | log out

Jenkins > Plugin Manager

Back to Dashboard

Manage Jenkins

Update Center

Filter:

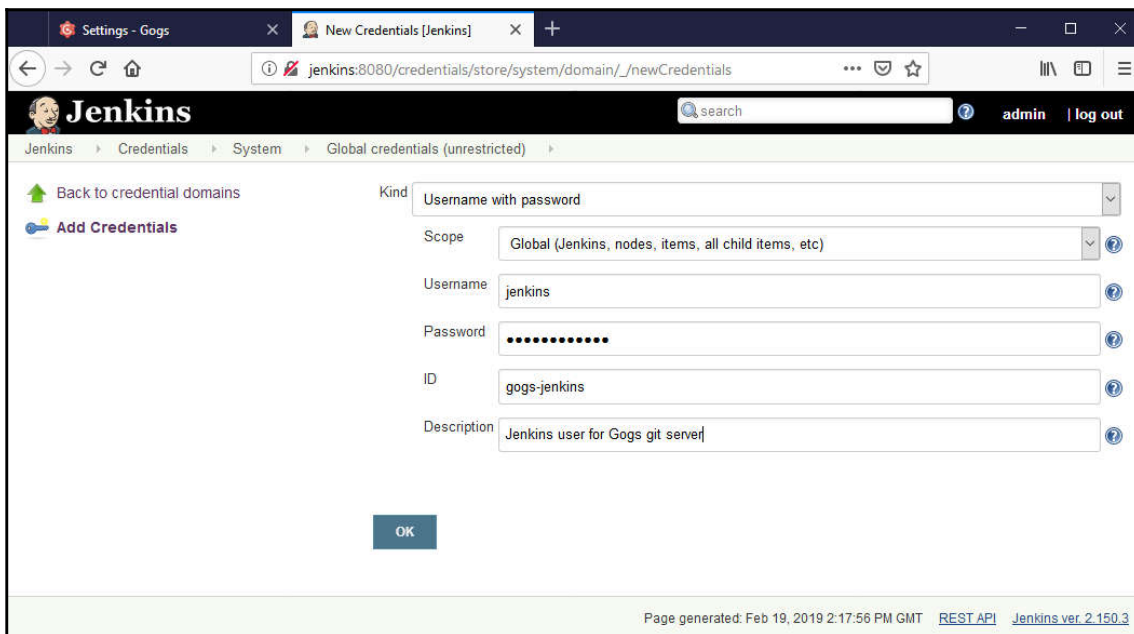
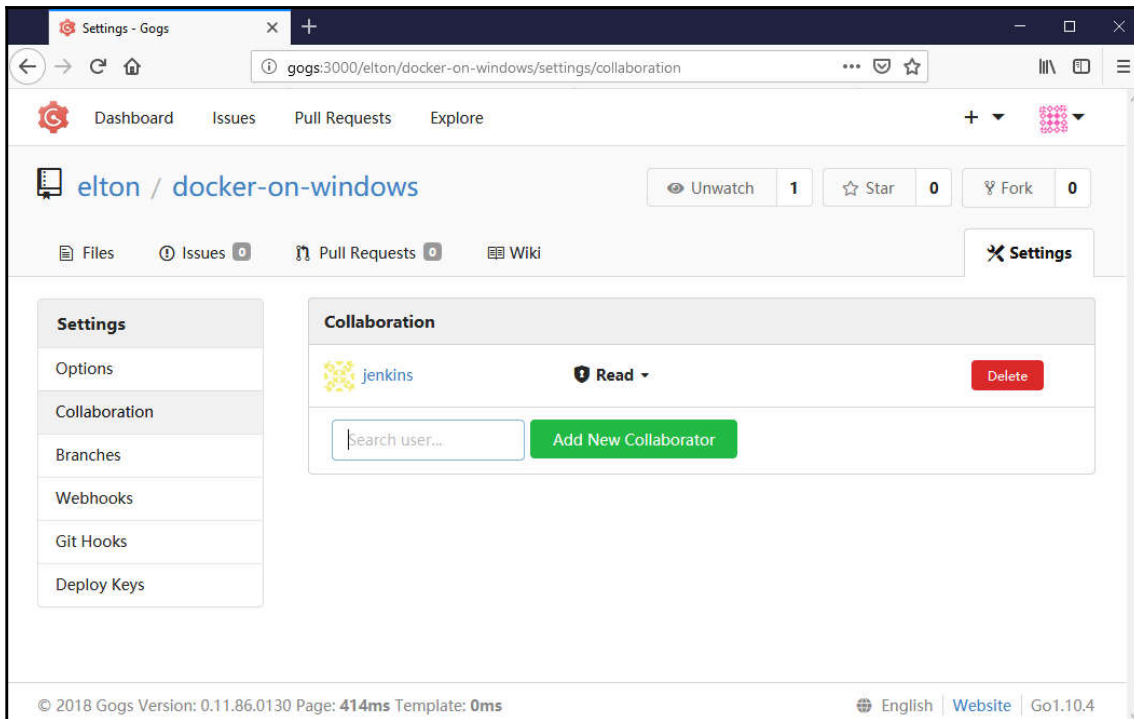
UpdatesAvailableInstalledAdvanced

Install	Name	Version
.NET Development		
☐	CCM This plug-in collects the CCM analysis results of the project modules and visualizes the found warnings.	3.2
☐	change-assembly-version-plugin	1.10
☐	FxCop Runner FxCopCmd.exe support plugin.	1.1
☐	MSBuild This plugin makes it possible to build a Visual Studio project (.proj) and solution files (.sln).	1.29
☐	MSTest This plugin converts MSTest TRX test reports into JUnit XML reports so it can be integrated with Hudson's JUnit features.	0.23
☐	MSTestRunner This plugin run MSTest command line tool to execute unit tests for .NET projects.	1.3.0
☐	NAnt This plugin is a NAnt Builder for building .NET projects.	1.4.3
☒	PowerShell This plugin allows Jenkins to invoke Windows PowerShell as build scripts.	1.3
☐	Violations This plugin does reports on checkstyle, csslint, pmd, cpd, fxcop, pylint, jcReport, findbugs, and perlcritic violations.	0.7.11

Install without restart

Download now and install after restart

Update information obtained: 6 min



General

Source Code Management

Build Triggers

Build Environment

Build

Post-build Actions

Source Code Management

☐ None

☒ Git

Repositories

Repository URL

Credentials

 Add

Name

Refspec

Add Repository

Branches to build

Branch Specifier (blank for 'any')

Add Branch

Repository browser

Additional Behaviours

Add

Build Environment

☒ Use secret text(s) or file(s) ?

Bindings

Username and password (separated) X ?

Username Variable ?

Password Variable ?

Credentials ☒ Specific credentials ☐ Parameter expression ?

▼ Ad*

Add ▼

elton/docker-on-windows X docker-on-windows > ch10-1 X Docker Enterprise X Nerd Dinner - razor X

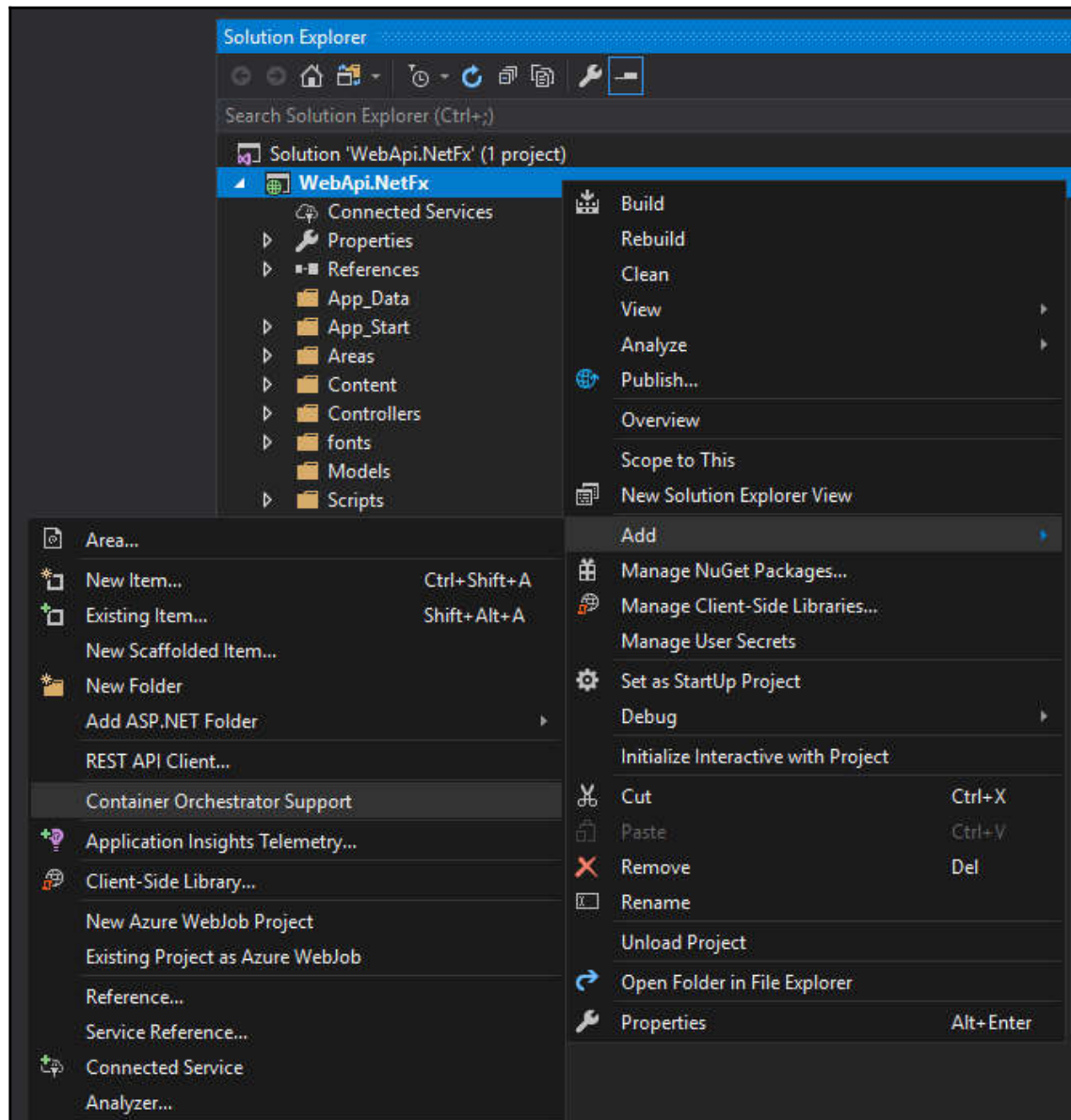
nerddinner.sixeyed.com

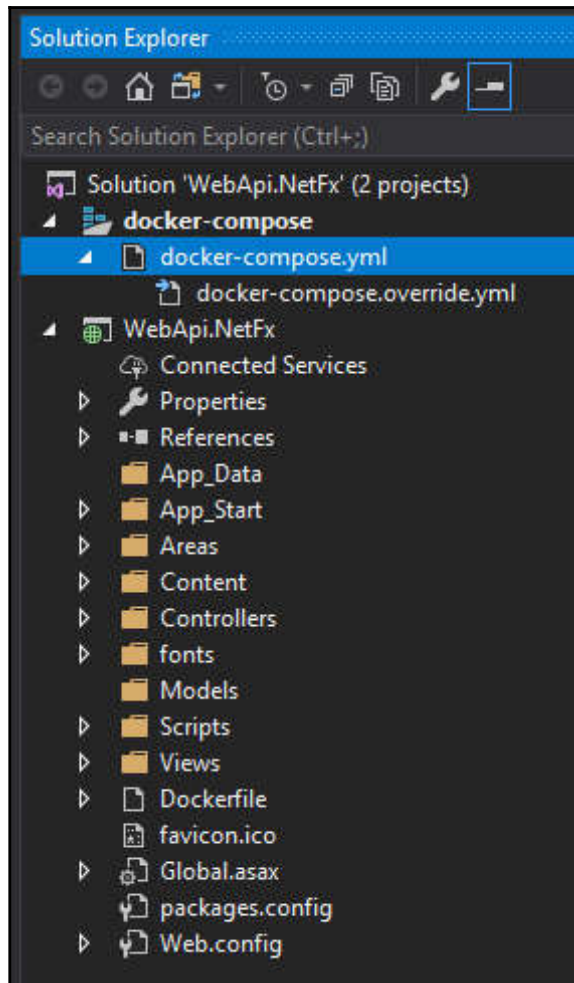
Nerd Dinner 2.0!

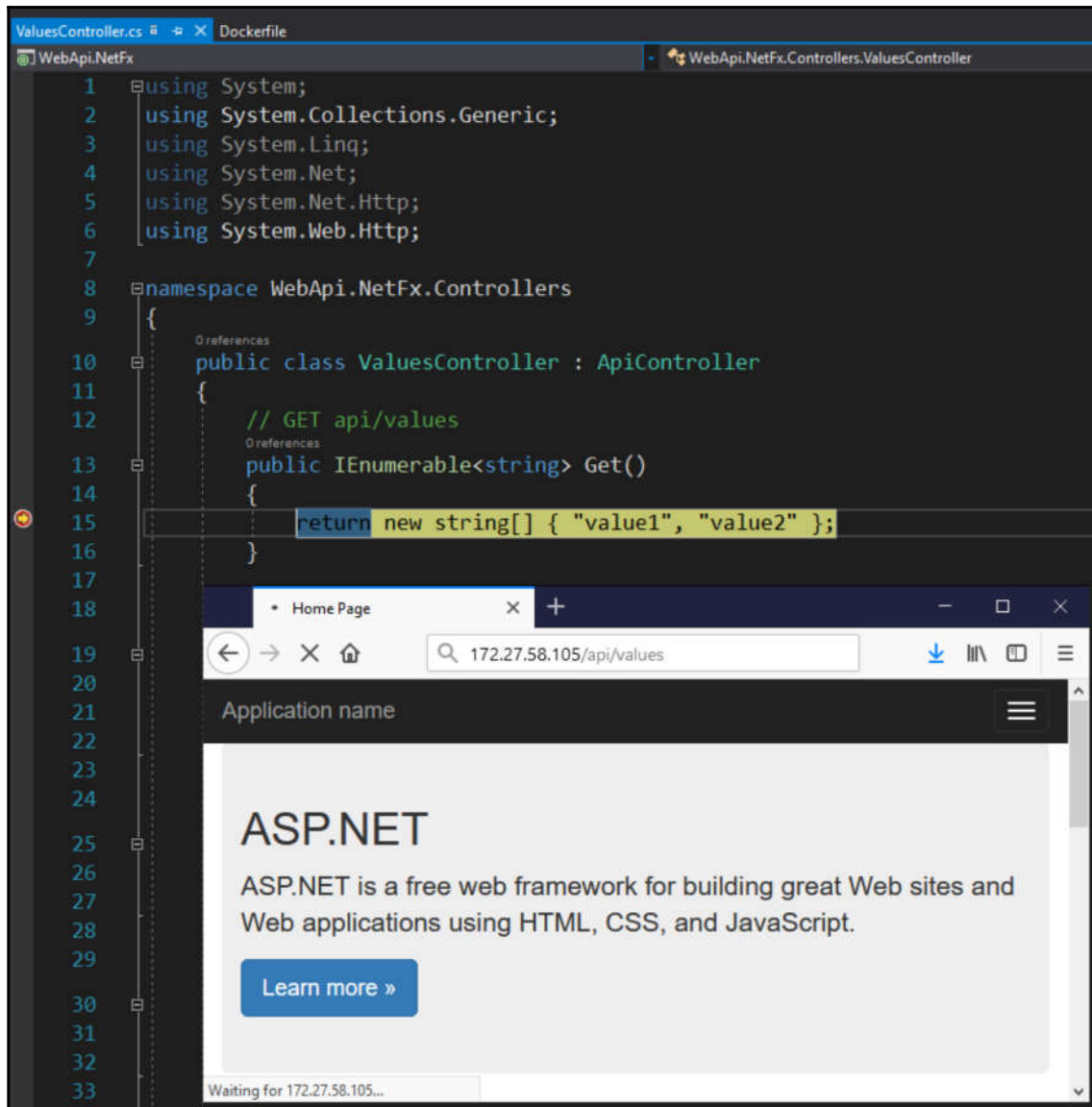
Organizing the world's nerds and helping them eat in packs.

...powered by [Docker](#) [Find Dinner](#)

Chapter 11: Debugging and Instrumenting Application Containers







Attach to Process

?

×

Transport:

Remote (no authentication)

▼

Qualifier:

172.24.1.174:4020

▼

Find...

Transport Information

The 'Remote (no authentication)' transport should never be used on a network that might have hostile traffic. Use 'Default' transport where possible.

Attach to:

Automatic: Managed (v4.6, v4.5, v4.0) code

Select...

Available Processes

Process	ID	Title	Type	User Name	Session	^
svchost.exe	8760		x64	SYSTEM	129	
svchost.exe	1008		x64	NETWORK SERVICE	129	
svchost.exe	5840		x64	SYSTEM	129	
svchost.exe	13428		x64	LOCAL SERVICE	129	
svchost.exe	13800		x64	LOCAL SERVICE	129	
svchost.exe	4476		x64	NETWORK SERVICE	129	
svchost.exe	640		x64	NETWORK SERVICE	129	
svchost.exe	2792		x64	SYSTEM	129	
System	4		x64		0	
w3wp.exe	11948		Managed (v4....	IIS APPPOOL\Default...	129	
wininit.exe	10504		x64	SYSTEM	129	
WmiPrvSE.exe	11260		x64	SYSTEM	129	▼

☒ Show processes from all users

Refresh

Attach

Cancel

>docker|

Docker: Build Image

recently used

Docker: Add Docker Files to Workspace

Docker: ACR Tasks: Build Image

other commands

Docker: Attach Shell

Docker: Azure CLI

Docker: Browse in the Azure Portal

Docker: Compose Down

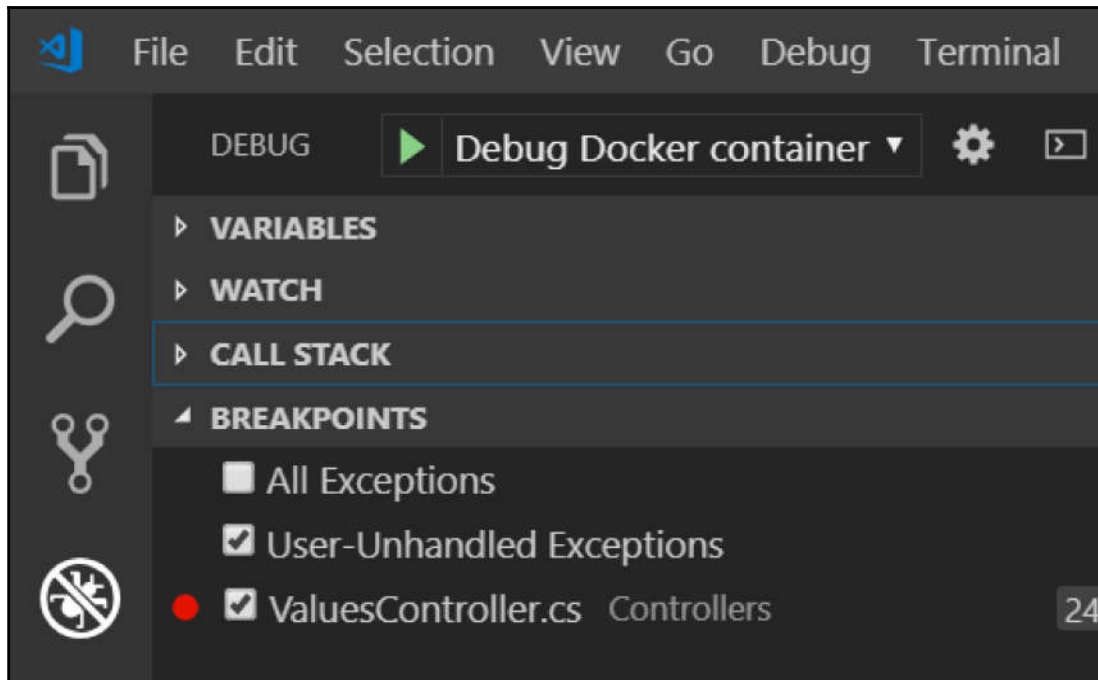
Docker: Compose Restart

Docker: Compose Up

Docker: Connect to a Private Registry... (Preview)

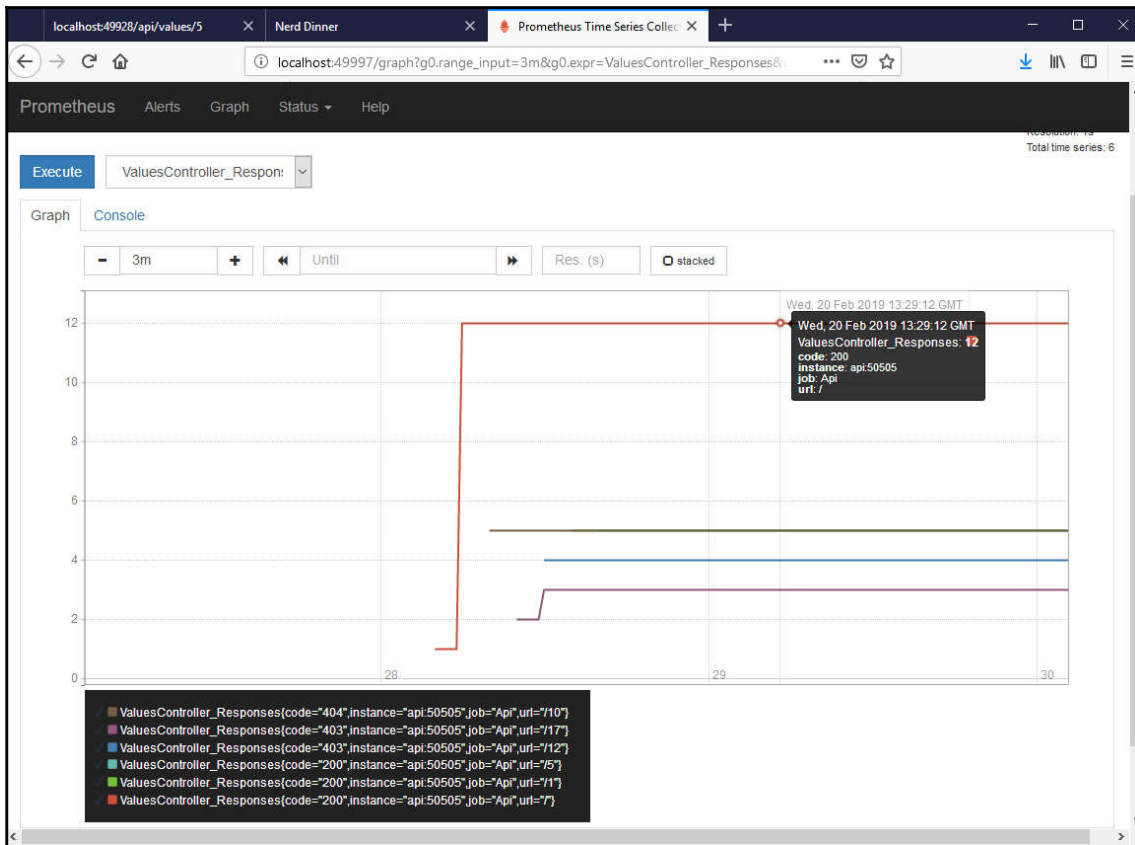
Docker: Create Azure Registry

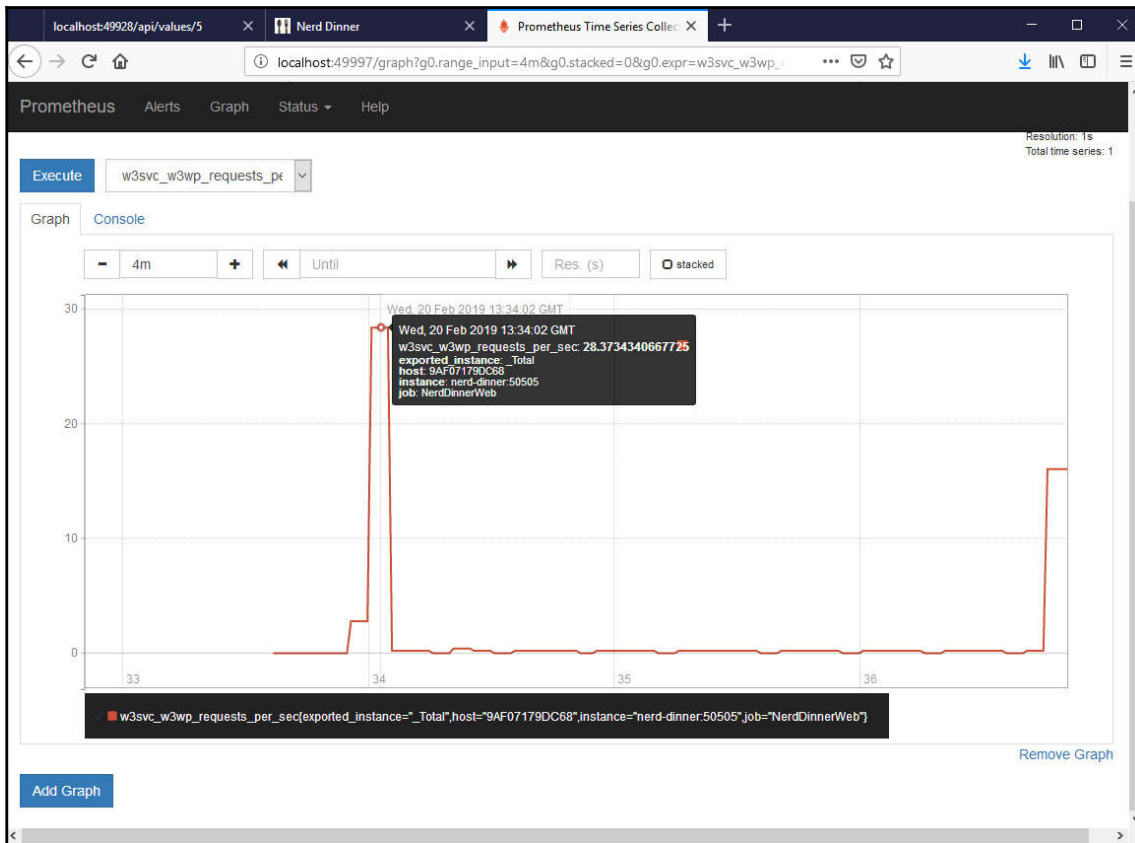
Docker: Delete Azure Image

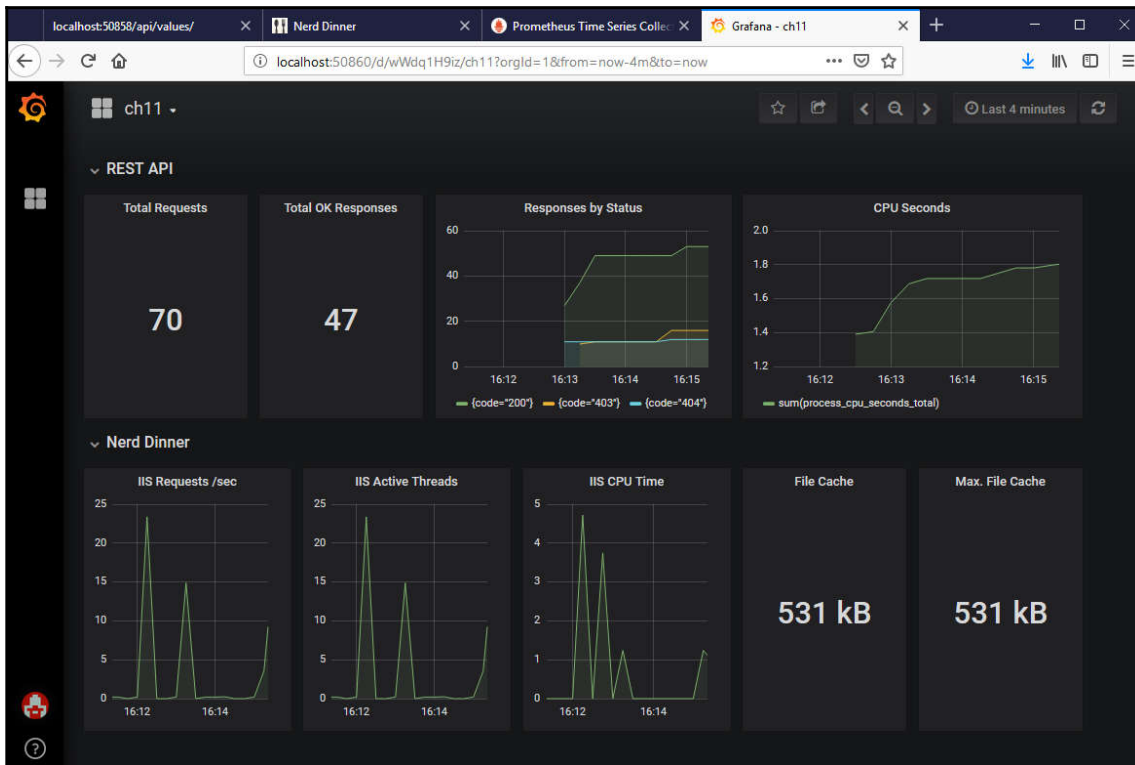


```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\2.2.1\System.Xml.ReaderWriter.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled.
Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\2.2.1\Microsoft.Win32.Primitives.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled.
Microsoft.AspNetCore.Hosting.Internal.WebHost:Information: Request starting HTTP/1.1 GET http://localhost:8081/api/values
Microsoft.AspNetCore.Routing.EndpointMiddleware:Information: Executing endpoint 'WebApi.NetCore.Controllers.ValuesController.Get (WebApi.NetCore)'
Microsoft.AspNetCore.Mvc.Internal.ControllerActionInvoker:Information: Route matched with {action = "Get", controller = "Values"}.
Executing action WebApi.NetCore.Controllers.ValuesController.Get (WebApi.NetCore)
Microsoft.AspNetCore.Mvc.Internal.ControllerActionInvoker:Information: Executing action method WebApi.NetCore.Controllers.ValuesController.Get (WebApi.NetCore) - Validation state: Valid
Microsoft.AspNetCore.Mvc.Internal.ControllerActionInvoker:Information: Executed action method WebApi.NetCore.Controllers.ValuesController.Get (WebApi.NetCore), returned result Microsoft.AspNetCore.Mvc.ObjectResult in 0.1054ms.
Microsoft.AspNetCore.Mvc.Infrastructure.ObjectResultExecutor:Information: Executing ObjectResult, writing value of type 'System.String[]'.
Microsoft.AspNetCore.Mvc.Internal.ControllerActionInvoker:Information: Executed action WebApi.NetCore.Controllers.ValuesController
```

```
Nerd Dinner    localhost:49789/metrics    +
localhost:49789/metrics    120%
# HELP process_pct_processor_time % Processor Time Perf Counter
# TYPE process_pct_processor_time GAUGE
process_pct_processor_time{host="46424E80BA1B",instance="w3wp"} 0
# HELP dotnet_clr_memory_gen_1_heap_size Gen 1 heap size Perf Counter
# TYPE dotnet_clr_memory_gen_1_heap_size GAUGE
dotnet_clr_memory_gen_1_heap_size{host="46424E80BA1B",instance="_Global_"} 0
# HELP dotnet_clr_memory_gen_0_heap_size Gen 0 heap size Perf Counter
# TYPE dotnet_clr_memory_gen_0_heap_size GAUGE
dotnet_clr_memory_gen_0_heap_size{host="46424E80BA1B",instance="_Global_"} 0
# HELP process_thread_count Thread Count Perf Counter
# TYPE process_thread_count GAUGE
process_thread_count{host="46424E80BA1B",instance="w3wp"} 27
# HELP w3svc_w3wp_current_file_cache_memory_usage Current File Cache Memory Usage Perf Counter
# TYPE w3svc_w3wp_current_file_cache_memory_usage GAUGE
w3svc_w3wp_current_file_cache_memory_usage{host="46424E80BA1B",instance="_Total"} 687389
# HELP dotnet_clr_memory_large_object_heap_size Large Object Heap size Perf Counter
# TYPE dotnet_clr_memory_large_object_heap_size GAUGE
dotnet_clr_memory_large_object_heap_size{host="46424E80BA1B",instance="_Global_"} 0
# HELP w3svc_w3wp_pct_404_http_response_sent % 404 HTTP Response Sent Perf Counter
# TYPE w3svc_w3wp_pct_404_http_response_sent GAUGE
w3svc_w3wp_pct_404_http_response_sent{host="46424E80BA1B",instance="_Total"} 0
# HELP process_virtual_bytes Virtual Bytes Perf Counter
# TYPE process_virtual_bytes GAUGE
process_virtual_bytes{host="46424E80BA1B",instance="w3wp"} 4294967296
# HELP dotnet_clr_memory_pct_time_in_gc % Time in GC Perf Counter
# TYPE dotnet_clr_memory_pct_time_in_gc GAUGE
dotnet_clr_memory_pct_time_in_gc{host="46424E80BA1B",instance="_Global_"} 0
# HELP w3svc_w3wp_maximum_file_cache_memory_usage Maximum File Cache Memory Usage Perf Counter
# TYPE w3svc_w3wp_maximum_file_cache_memory_usage GAUGE
w3svc_w3wp_maximum_file_cache_memory_usage{host="46424E80BA1B",instance="_Total"} 687389
```







Chapter 12: Containerize What You Know - Guidance for Implementing Docker

