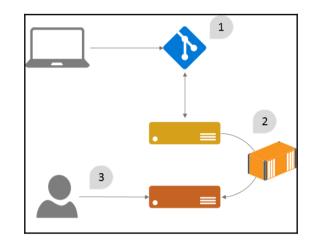
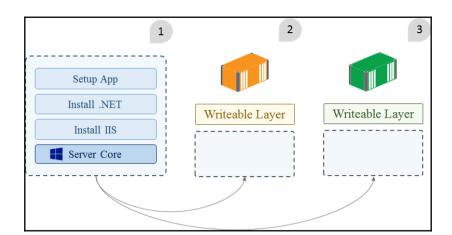
Chapter 01: Getting Started with Docker on Windows

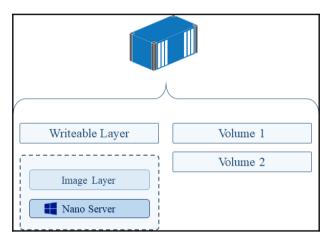
About Docker
Discover Docker Enterprise Edition
Settings
Check for Updates
Diagnose and Feedback
Switch to Windows containers
Docker Store
Documentation
Kitematic
Sign in / Create Docker ID
Swarms
Repositories
Quit Docker
A 🖶

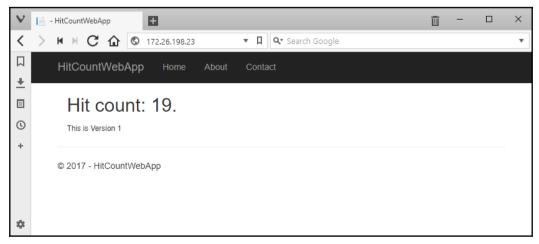
Chapter 02: Packaging and Running Applications as Docker Containers



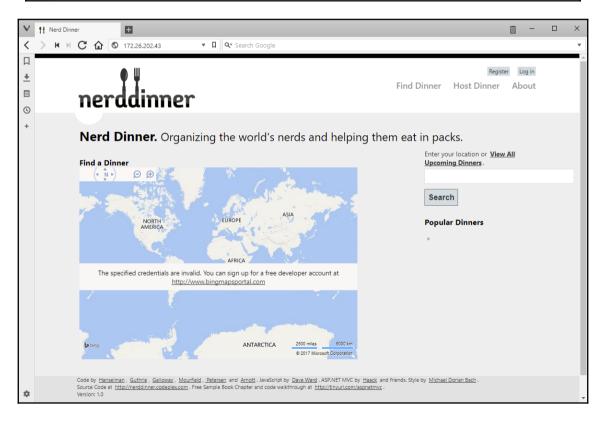




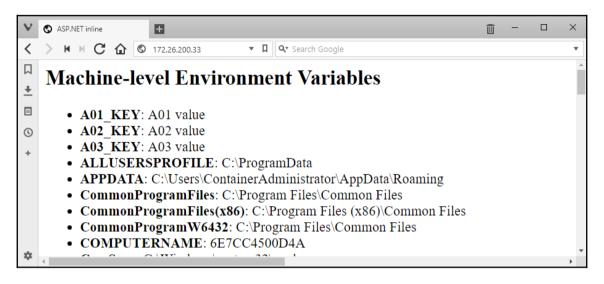


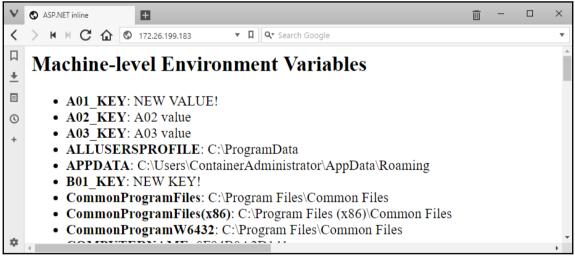


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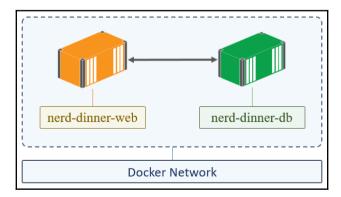


Chapter 03: Developing Dockerized .NET and .NET Core Applications

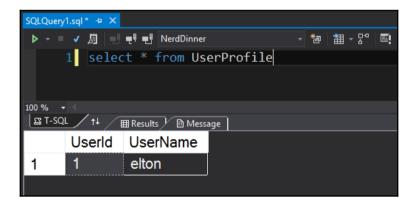


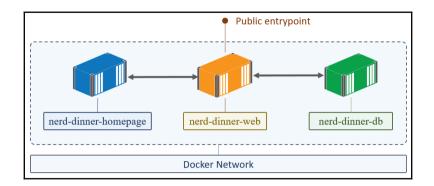


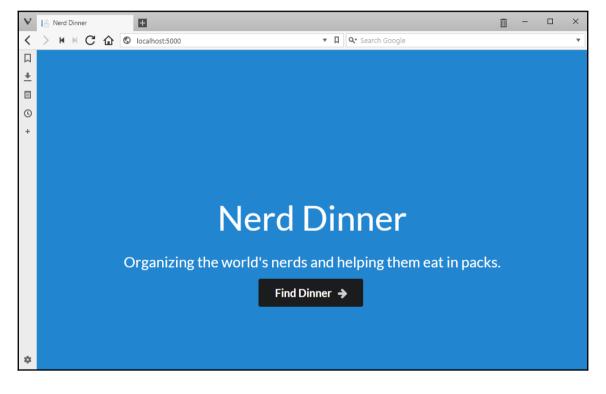
Add Connection	? ×
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Data source:	
Microsoft SQL Server (SqlClient)	hange
Server name:	
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Log on to the server	
Authentication: SQL Server Authentication	~
User name: sa	
Password:	
Save my password	
Connect to a database	
Select or enter a database name:	
	~
A master model msdb	
NerdDinner	
tempdb	
Adv	anced
Test Connection OK OK	Cancel

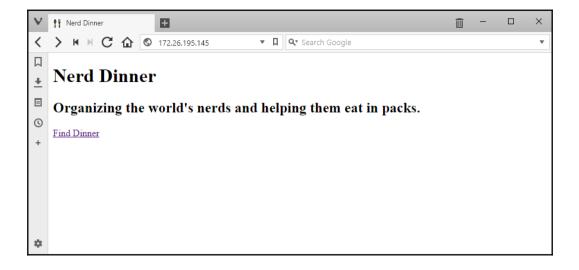


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+	Register. (Create a new acco	unt.					
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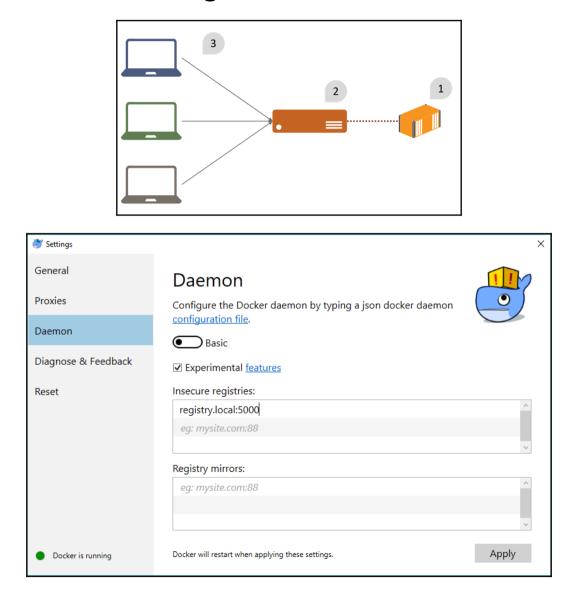


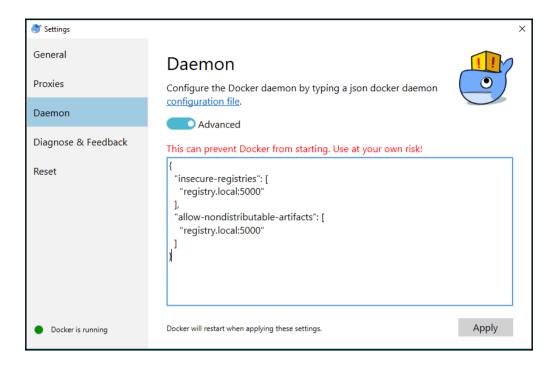




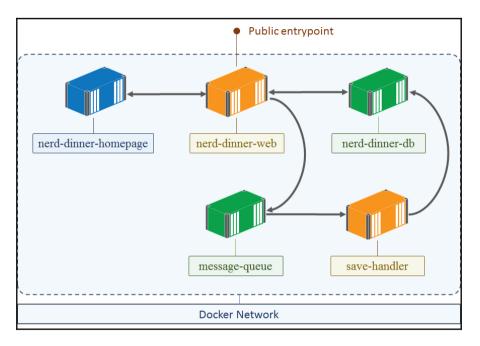


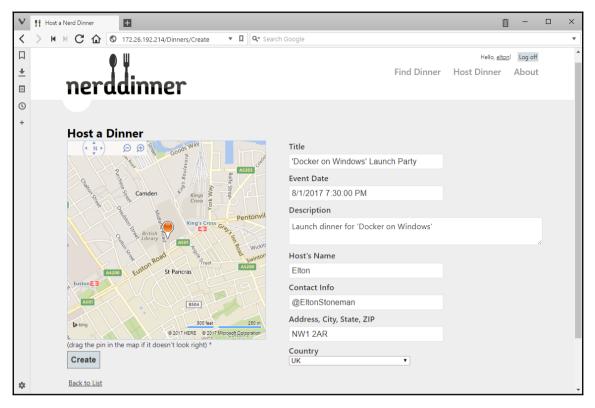
Chapter 04: Pushing and Pulling Images from Docker Registries

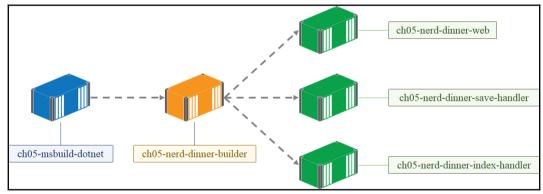


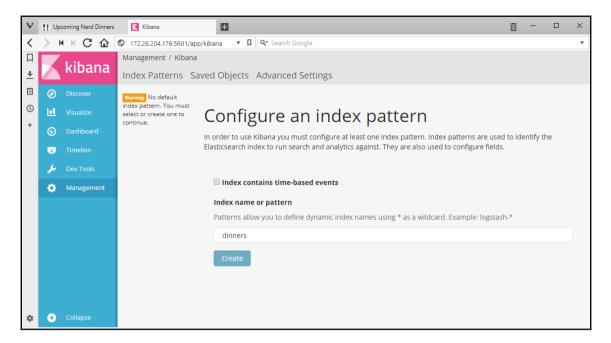


Chapter 05: Adopting Container-First Solution Design

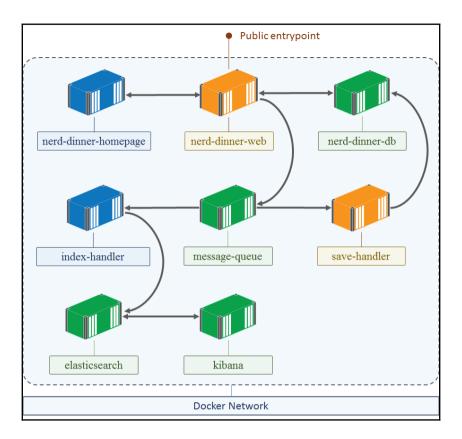




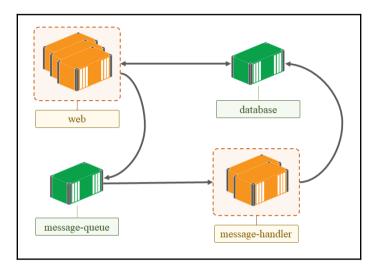




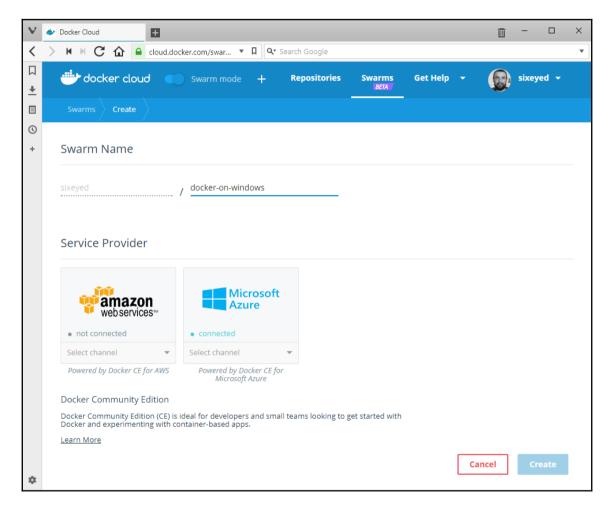
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Chapter 06: Organizing Distributed Solutions with Docker Compose

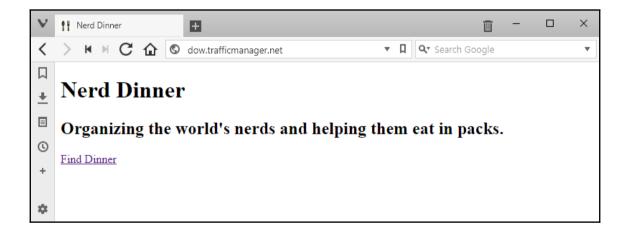


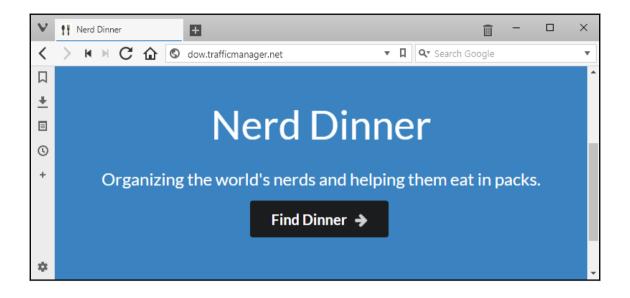
Chapter 07: Orchestrating Distributed Solutions with Docker Swarm



		About Docker Discover Docker Enterprise Edition	n	
		Settings Check for Updates Diagnose and Feedback Switch to Linux containers		
		Docker Store		
		Documentation Kitematic		
sc-swarm-we		sixeyed		
docker-on-windows	-	Swarms	•	
View All		Repositories	•	
Create		Quit Docker		
			~ .	

Docker Cloud - sixeyed/docker-on-window	/s - powershell			-		X
PS> docker node ls						^
ID	HOSTNAME	STATUS	AVAILABILITY	MANAGER	STATUS	
92t2z4jd1ybbltzjscp36q6o5 *	ub-node01	Ready	Active	Leader		
a6sunex8751slt4kts6qqsd5o	win-node01	Ready	Active			
m2ydccu1ea897dam2wbzo7on7	win-node02	Ready	Active			
tf32iwp388o8uiwf1qsmkqhdd	win-node00	Ready	Active			
PS>						





Chapter 08: Administering and Monitoring Dockerized Solutions

🕞 Internet Information Services (IIS) Manager						
← → ♥i → Start Page						
<u>File V</u> iew <u>H</u> elp						
Connections	Merrosoft Internet Information Service Application Server Manager Recent connections					
Connecting to "172.31.1						
User name: iisadmin Pa <u>s</u> sword: ••••••••	~					

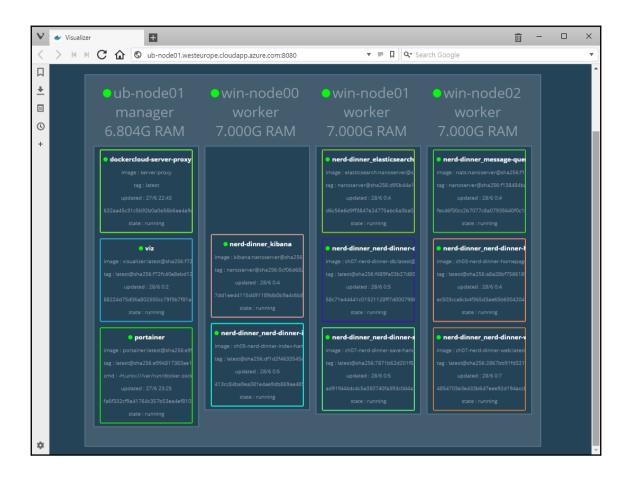
📲 Internet Information Services (IIS) Manager									
← → • 172.31.120.34 →									
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Connections	172.31.120.34 Home								
> 📲 SC-XPS-WIN16 (SC-XPS-WIN16\elton)	Filter: v V Go v Show All Group by: Area v V v								
 I172.31.120.34 (iisadmin) Application Pools Sites Objectual Web Site Website2 	IIS Authentic Compression Default Document Document Document Document Browsing Error Pages Handler Mappings Respon Mappings								
	MIME Types Modules Output Request Worker Caching Filtering Processes								
	Management Configurat Feature IIS Manager Editor Delegation Permissions Users								

Connect to Server	r	×				
SQL Server						
Server type:	Database Engine	~				
Server name:	172.31.117.137	~				
Authentication:	SQL Server Authentication	~				
Login:	sa	~				
Password:	******					
	Remember password					
	Connect Cancel Help Op	otions >>				

풤 Add Servers				—		×
Active Directory DNS	Import	9	Selected			
Search: 172.31.115.192	٩		Computer			
Name	IP Address					
b4d2c57d54e6	fe80::35ee:2c2e:4705:fff5%24 172.31.115.192					
		►				
			0 Computer(s) selec	ted		
Help				ОК	Canc	el

SERVERS All servers 2 total						
Filter	► (ii) ► (iii) Q					
Server Name IPv4 Address		Manageability				
b4d2c57d54e6 -		Online - Access denied				

SERVER All servers	-	al							
Filter			Q	•	•				
Server Name	IPv4	Address						Manageability	
B4D2C57D54E6	172.3	1.115.192					(Online - Performance	counters not started
SC-XPS-WIN16	169.2	54.123.217	,169.254.252	2.188,172.3	1.112.1,19	2.168.2.146,19	2.168.56.1 (Online - Performance	counters not started
EVENTS									
All events 4 tota									
Filter			Q	•	•				
Server Name	ID	Severity	Source				Log	Date and Time	
B4D2C57D54E6	8198	Error	Microsoft-	Windows-S	ecurity-SF	ор	Application	03/05/2017 09:58:4	2
B4D2C57D54E6	701	Error	Microsoft-\	Windows-Ta	askSchedu	uler	System	03/05/2017 09:56:4	1
B4D2C57D54E6	701	Error	Microsoft-\	Windows-Ta	askSchedu	uler	System	03/05/2017 09:56:4	1
B4D2C57D54E6	7023	Error	Microsoft-	Windows-S	ervice Co	ntrol Manager	System	03/05/2017 09:56:4	1

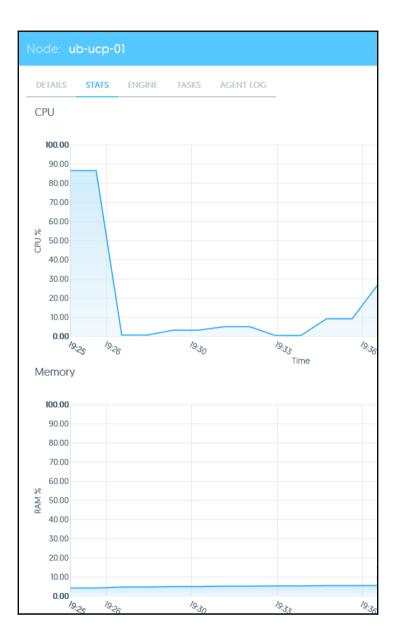


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□ +	portainer.io	#	Cluster overview	C					€ <u>my accour</u>	admin	^
•	ACTIVE ENDPOINT	Ŧ	🔃 Cluster status								
+	ENDPOINT ACTIONS		Nodes				4				
	Dashboard	æ	Docker API version Total CPU				8				-
	App Templates	4	Total memory				29.8	5 GB			
	Services										
	Containers		🖻 Node status					Iter	ns per page	: 10 V	
	Images	G	Name	Role	CPU	Memory	Engine	IP Address	State	LS	-
	Networks	#	ub-node01	manager	2	7.3 GB	17.06.0-ce-rc5	10.0.0.4	read	ły	
	Volumes	&	win-node00	worker	2	7.5 GB	17.06.0-ce-rc5	10.0.0.5	read	ly	
	Secrets	8	win-node02	worker	2	7.5 GB	17.06.0-ce-rc5	10.0.0.6	read	dy 🛛	
	Swarm	<u>joj</u>	win-node01	worker	2	7.5 GB	17.06.0-ce-rc5	10.0.0.7	read	ły	
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↓	portainer.io	₽		Name 💙	Image	Scheduling mode	Published Ports	Updated at	Ownership	•
	ACTIVE ENDPOINT			dockercloud-server-proxy	dockercloud/server-proxy	global 1 / 4	2376:2376	2017-06-27 22:43:02	ø public	
© +	primary ENDPOINT ACTIONS	•		nerd-dinner_elasticsearch	sixeyed/elasticsearch:nanoserver	replicated 1 / 1 \$Scale	-	2017-06-28 00:01:40	ø public	
	Dashboard	æ		nerd-dinner_kibana	sixeyed/kibana:nanoserver	replicated 1 / 1 \$Scale	2 [®] 5601:5601	2017-06-28 00:01:43	ø public	
	App Templates	4		nerd-dinner_message- queue	nats:nanoserver	replicated 1 / 1 \$Scale	-	2017-06-28 00:01:45	ø public	
	Services Containers			nerd-dinner_nerd-dinner- db	dockeronwindows/ch07-nerd-dinner- db:latest	replicated 1 / 1 ‡Scale	-	2017-06-28 00:01:48	øpublic	
	Images	G		nerd-dinner_nerd-dinner- homepage	dockeronwindows/ch03-nerd-dinner- homepage:latest	replicated 1 / 1 \$Scale	-	2017-06-28 00:01:50	øpublic	
	Networks	ф.		nerd-dinner_nerd-dinner- index-handler	dockeronwindows/ch05-nerd-dinner- index-handler:latest	replicated 1 / 1 \$\$Cale	-	2017-06-28 00:01:52	ø public	
	Volumes Secrets	&		nerd-dinner_nerd-dinner- save-handler	dockeronwindows/ch07-nerd-dinner- save-handler:latest	replicated 1 / 1 \$Scale	-	2017-06-28 00:01:54	ø public	
	Swarm	jej		nerd-dinner_nerd-dinner- web	dockeronwindows/ch07-nerd-dinner- web:latest	replicated 1 / 1 \$Scale	80:80	2017-06-28 00:01:57	øpublic	
\$	O Portainer 1.13.3			portainer	portainer/portainer:latest	replicated 1 / 1 ‡Scale	₽ 9000:9000	2017-06-27 23:25:19	ø public	*

•	Dashboard	Resources User Management	Admin Settings						eltor
Re	esources								
	Nodes			Services			Containers		
:	25%		1 Active Manager	100%		10 Active	67%	-	33 Running
	75%		3 Active Workers				33%		16 Stopped
		4 Total Nodes			10 Total Services			49 Total Containers	
- 5	СРИ			Memory			Node Disk		
	99%		Available	96%		Available	88%		Available
1	1%		Used	4%		Used	12%		Used
		4 Total Nodes			4 Total Nodes			4 Total Nodes	

	Dashboard Resources	User Mana	agement A	dmin Settings				
RESO	Stacks & Applications		+ Add Noc	ie				
	Services Containers			NAME	ROLE	ADDRESS	ENGINE	OS
Ē	Images		Active	win-worker-01	Worker	10.0.0.6	17.03.1-ee-3	windows x86_64
	Nodes	1	Active	ub-worker-01	Worker	10.0.0.7	17.03.1-ee-3	linux x86_64
8	Networks Volumes		Active	ub-ucp-01	Manager [Leader]	10.0.0.4	17.03.1-ee-3	linux x86_64
â	Secrets		Active	ub-dtr-01	Worker	10.0.0.5	17.03.1-ee-3	linux x86_64



Node: win-worker-01	×
DETAILS STATS ENGINE TASKS AGENT LOG	Remove Node
Filter 🔹	
▼ IMAGE	CONTAINER ID
dockeronwindows/ch05-nerd-dinner-index-handler:latest	cf204c447174
 dockeronwindows/ch03-nerd-dinner-homepage:latest 	f79b673d765e
dockeronwindows/ch05-nerd-dinner-save-handler:latest	98c47178c090
sixeyed/elasticsearch:nanoserver	2efe8e6b1473
nats:nanoserver	94ba3c9da348
dockeronwindows/ch06-nerd-dinner-db:latest	7ddd01de4cc2
dockeronwindows/ch05-nerd-dinner-web:latest	92f402f72b1f

Create Volume	×
NAME Ø	
nerd-dinner-database-data	
PERMISSIONS LABEL [COM.DOCKER.UCP.ACCESS.LABEL] @	
Do not use a permissions label	~
DRIVER 📀	
local	
OPTIONS 0	
option=value space separated	
Labels 😧	
+ Add label	
No labels defined	
Create Canc	el

E Stacks & Applications	+ Add Image - 0 Images Selected - Show system images		
RESOURCES			
Services			
Containers	Only images that are loaded in UCP are listed here. Use the DTR web UI to manage images managed by DTR.		
E Images		ID	VIRTUAL SIZE
Nodes	sixeyed/umbraco-demo.msbuild	78d8234d83c1	10,746.39 MB
Retworks	docker/dtr-jobrunner22.4	c30992c847a	546.43 MB
Volumes Secrets	Pull Image docker/dtr-nginx:2:2.4	fd5b8c16b46	111.86 MB
-	docker/drr.2.2.4 docker sixeyed/elasticsearch:nanoserver	34d732895fc	118.15 MB
	docker/drr-rethink22.4 Registry requires authentication	929fa9df10b	95.15 MB
	docker/dtr-notary-server2	d581eb8ac3b	116.58 MB
	docker/dr-notary-signer2.	23316ab4219	115.49 MB
	docker/dtr-registry22.4	J1145457a464	113.95 MB

lmage: 7c8b98013171		×
DETAILS CONFIGURATION	HISTORY	Remove Image
ID 😧	sha256:7c8b980131718da0d0ca8d47b2fecfbb6c3386dfd134d9f18d1f91338515a901	
Created 😧	2017-02-13 17:12:24 +0000	
Size 😧	9 GB [virtual 9 GB]	
Author 😧	Unknown	
Comment 🔞	None	
Docker Version (?)	1.13.1	
Platform 😧	windows amd64	
Tags 🕜		
dockeronwindows/ch05-nerd-	dinner-web:latest	
Digests		
dockeronwindows/ch05-nerd- web@sha256:19615ff7ca247af	dinner- 15681c5475c4aa2f4aab35b826045aa9144db8cf96cf40fd8	
Labels 🕝		
This image does not have any labe	els defined	

reate Network	
NAME 🕐	
nerd-dinner-network	
PERMISSIONS LABEL (COM.DOCKER	LUCPACCESS.LABEL] @
Do not use a permissions lab	el
DRIVER 😧	
overlay	
MTU 😧	
1500	
OPTIONS 😧	
option=value space separated	t i i i i i i i i i i i i i i i i i i i
	etween containers on different nodes 😧
Allow any container to atta	ch to this network 🥑
Enable IPv6 networking	
Enable IPv6 networking	
	uting 📀
Internal network 😧	uting 📀
Internal network 😨	uting 🕜

	ION NAME Ø	
nerd-c		
	linner-stack	
DEPLOY A	S 🕜	
Servic	es Containers	
APPLICAT 16	Ion definition 🔞	
17	nerd-dinner-db:	'
18	<pre>image: dockeronwindows/ch06-nerd-dinner-db</pre>	
19	env_file:	
20	- db-credentials.env	
21	volumes:	
22	- db-data:c:\database	- 1
23	networks:	
24	- nd-net	
25		
26	kibana:	
27	<pre>image: sixeyed/kibana:nanoserver desem de see</pre>	
28 29	depends_on: - elasticsearch	
30	- elasticsearch	
31	- nd-net	
32	- Ind-Ind-	
33	nerd-dinner-save-handler:	
34	<pre>image: dockeronwindows/ch05-nerd-dinner-save-handler</pre>	
	depends on:	
	nerd-dinner-db	
37	- message-queue	
38	env_file:	
39	- db-credentials.env	
40	networks:	
41	- nd-net	
42		
43	nerd-dinner-index-handler:	
44	<pre>image: dockeronwindows/ch05-nerd-dinner-index-handler</pre>	
45 46	depends_on: - elasticsearch	

Deploy Service				×
Details Basic service configuration	Scheduling Adjust scheduler related settings and constraints	Attach netwo volumes, set r reservations of	rks, mount resources	Environment Labels and environment variables
SERVICE NAME				
message-queue				
IMAGE NAME 🥹 *				
nats:nanoserver				
MODE 📀 Replicated	•	REPLICAS 🕝		A V
	•	1 ARGUMENTS 0		¢
	USER 😧		STOP GRACE PERIO	
			0	-
PERMISSIONS LABEL (COM.DOCKER.UCP.ACC	ESS.LABEL) 🕜			
Do not use a permissions label				~
			🚊 Dep	loy now! > Next

Deploy Service			×
Details Besic service configuration	Scheduling Adjust scheduler related settings and constraints	Resources Attach networks, mount volumes, set resources reservations and limits	Environment Labels and environment variables
UPDATE PARALLELISM 📀		UPDATE DELAY (SECONDS) 0	
1	-	0	•
FAILURE ACTION O		MAX FAILURE RATIO 0	
Pause Continue			•
Restart Policy 🕝			
Always			~
DELAY [SECONDS] 🧿	MAX ATTEMPTS 🔞	WINDOW	0
×		×	×
Constraints 💡			
CONSTRAINT 🥑 *			
node.platform.os==windows			
Done Cancel			
		← Previous	▲ Deploy now! → Next

Deploy Service						
Details Basic service configuration	Scheduling Adjust scheduler related settings and constraints	Resources Attach networks, m volumes, set resour reservations and lin	rces	Environment Labels and environment variables		
Ports 🕜						
INTERNAL PORT PROTOCOL	udp	Host None	PUBLIC PORT (80			
Add hostname based route Done Cancel		louting Mesh is not enabl act an administrator to en		o use nostname		
No ports published						
Networks 😯						
+ Attach a Network						
NETWORK	DRIVE	2				
nerd-dinner-network	overlay	/		×		
Mounts + Volume + Bind + tmpfs No volumes mounted.						
Reservations						
CPU 😧	No reservation set 🧳					
Memory (MB)	No reservation set 🧳					

Deploy Service						
Details Besic service configuration	Adjust scheduler related settings and constraints	Resources Attach networks, mount volumes, set resources reservations and limits	Environment Labels and environment veriables			
Secrets Use a secret No secrets are in use. Environment Variables ② 						
NAME* ENV_NAME Done Cancel	VALUE prod					
No environment variables defin	ed					
+ Add service label	VALUE					
app.name	nerd-dinner		×			
Container Labels 3						
Add container label No container labels defined						
Log Driver 😨						

Service: nerd-dinner_r	nerd-dinner-index-handler	×
DETAILS SCHEDULING	ENVIRONMENT RESOURCES TASKS	Actions •
ID	6x7cbs9wo6uforpb4b1raaf5k	^
Name	nerd-dinner_nerd-dinner-index-handler	
Permission Label	User Container ~	
Created	2017-05-04 09:35:26 +0100	
Service Specification Update	d 2017-05-04 09:40:39 +0100	
Update Status	Completed	
Update Message	update completed	
Last Error	O 2 hours ago	
Error	task: non-zero exit (255)	
Task Template		
Image	dockeronwindows/ch05-nerd-dinner-index- handler:latest@sha256:4045309aceba81d018a50be2b985ffbef5799227951fd982640773c78ce //	e71da1

Service: nerd-	linner_nerd-dinner-	-index-handl	ler	
DETAILS SCHED	ULING ENVIRONMENT	RESOURCES	TASKS	
Mode	Repli	cated		
Scale	5			_ ~ :

Servi	ce: nerd-dir	nner_nerd-dinner-i	ndex-handler			×
DETA	ILS SCHEDULI	NG ENVIRONMENT	RESOURCES TASKS		[Actions -
					5 / 5 RUN	INING TASKS
Filter	•		•	5 Active 🥚 0 Updati	ng 🛛 🔴 4 Errored	1 Inactive
-		NAME 🔺	IMAGE	NODE	CREATED	
•	bedf06a32298	nerd-dinner_nerd- dinner-index-handler.4	dockeronwindows/ch05- nerd-dinner-index-handler:latest	win-worker-01	2017-05-04 11:31:53 +0100	started
•	3081d2af6dad	nerd-dinner_nerd- dinner-index-handler.2	dockeronwindows/ch05- nerd-dinner-index-handler:latest	win-worker-01	2017-05-04 11:31:53 +0100	started
•	5d8e2c4bc3c4	nerd-dinner_nerd- dinner-index-handler.1	dockeronwindows/ch05- nerd-dinner-index-handler:latest	t win-worker-01	2017-05-04 09:39:38 +0100	started
•	18d4f238b00e	nerd-dinner_nerd- dinner-index-handler.3	dockeronwindows/ch05- nerd-dinner-index-handler:latest	win-worker-01	2017-05-04 11:32:25 +0100	started
•	68df63b22fff	nerd-dinner_nerd- dinner-index-handler.5	dockeronwindows/ch05- nerd-dinner-index-handler:latest	win-worker-01	2017-05-04 11:31:53 +0100	started

Container: nerd-din	ner_nerd-din	ner-index-handler.	1.8 agaudqsriclyuhkbyaa7hmqy	
DETAILS 🖹 LOGS	■ STATS >_ C	DNSOLE	Container Actio	ons
Environment 4 var	iables			-
ELASTICSEARCH_URL	http://elas	ticsearch:9200		
MESSAGE_QUEUE_URL	nats://mess	age-queue:4222		
DOTNET_VERSION	1.0.3			
DOTNET_DOWNLOAD_UI		netcli.blob.core.wind n-x64.1.0.3.zip	lows.net/dotnet/preview/Binaries/1.0.3	
Labels 8 labels				+
Networks nerd-dir	nner_nd-net			+
Ports				
Processes 14 proce	esses			_
NAME	PID	CPU	PRIVATE WORKING SET	
smss.exe	11180	00:00:00.000	200.7 kB	
csrss.exe	10672	00:00:00.015	340 kB	

Container: nerd-dinner_nerd-dinner-index-handler.1.8agaudqsriclyuhkbya	a7hmqy	×
DETAILS 🖹 LOGS 🕍 STATS >_ CONSOLE	Container Actions	•
Log Options - 100 🖨 lines	Auto-scroll	logs
Connecting to message queue url: nats://message-queue:4222 Listening on subject: events.dinner.created, queue: index-dinner-handler Received message, subject: events.dinner.created Indexing new dinner, created at: 5/4/2017 8:56:19 AM; event ID: 8fcfd9eb-48f0-4fbc-9e50-0a10	694b51095	

	nerd-	dinner_	nerd-di	nner-i	ndex-	handler.1.8agauc	dqsriclyuhkbya	a7hmqy
DETAILS	LOGS	📥 STA	TS ≻_	CONSOL	E			Container Actions
powershell		? D	isconnect					
Windows Pow Copyright (PS C:\index	(C) 2016 1				ights r	eserved.		
Handles NH	PM(K)	PM(K)	WS(K) 	CPU(s)	Id 	SI ProcessName		
0 PS C:\index		2 698 0	45480	2.25	13808	60 dotnet		

Dashboard	d Resources User N	Management Admin Settings	
All Users	+ Create	MEMBERS PERMISSIONS SETTINGS	
CMS Admins CMS Users		+ Add Label 0 Labels Selected -	
		RESOURCE LABEL	PERMISSION
		cms	Full Control
		finance	No Access ~
		nerd-dinner	View Only ~

Service:	cms				
DETAILS	SCHEDULING	ENVIRONMENT	RESOURCES	TASKS	
ID	_	2j8it4rk7ya5on			
Name Permissio Label	cms n cms	~			

	Dashboard Resources							cms-user 👻
= RES	Stacks & Applications	×.	Create a Se	rvice	0 Services Selected 👻		Q Search	
.	Services Containers		STATUS	NAME	IMAGE	MODE	LAST UPDATED	
	Nodes		• 1/1	cms	sixeyed/umbraco-demo:m	sbuild Replicated	⑦ 7 minutes ago	Last error: an hour ago
84 (*)	Networks Volumes							
ß	Secrets							

Chapter 09: Understanding the Security Risks and Benefits of Docker

Scan results for alpine:3.5	
Your image is clean! No known vulnerabilit New scan in progress, showing results from 2 month	
Layers	Components
1 ADD file:730030a984f51b42321140c3927 in / Compressed size: 1.8MB	✓
 No vulnerable components 	

Scan results for nats:nanoserver			
1 of 82 components is vulnerable Scanned 4 months ago			
Layers		Components	
1 powershell -Command \$ 'SilentlyContinue';] Compressed size: 241.0MB	~		
1 vulnerable component			

ayers		
1 powershell -Comm Compressed size: 241.0M	and \$ 'SilentlyContinue';] ^B	~
COMPONENT	VULNERABILITY	SEVERITY
sqlite3 3.9.2 Public domain:Permissive License	CVE-2016-6153	Major
	VIEW ALL 🗸	

Docker Trusted Registry X	+			- 🗆 X
🗲 🛈 🚳 https://ub-dtr-01.weste	europe.cloudapp. azure.	C Search	☆自∔ 龠	♥ () 🛛 🗏
	🤲 docker trus	sted registry Q _{Search}		🐣 elton 👻
Repositories	Users > elton			
Prganizations		REPOSITORIES TEAMS	SETTINGS	
💄 Users	elton	REPOSITORY	SCAN ON IMAGE PUS	н
🔅 Settings		elton / private-app private	~	View Details
Docker Trusted Registry 2.2.4				

	MEMBERS	REPOSITORIES	SETTINGS		
			-		
nerd-dinner					Add repository
Org Members	REPOSITORY		SCAN ON IMAGE PUSH	PERMISSIONS	
infrastructure	nerd-dinner Database	/ db private			View Details
project	nerd-dinner Elasticsearch fe	or indexing	te		View Details
	nerd-dinner New homepag	e / homepage private			View Details
		/ index-handler privelation pr			View Details
		/ kibana private -service analytics			View Details
	nerd-dinner NATS message	/ nats private queue			View Details
		or / save-handler priva			View Details
	nerd-dinner Web app	/ web private			View Details

	MEMBERS	REPOSITORIES	SETTINGS	
nerd-dinner				Add repository
Org Members	REPOSITORY		SCAN ON IMAGE PUSH	PERMISSIONS
TEAMS + infrastructure	nerd-dinner / Elasticsearch for View Details	r indexing	e	Read & Write 🗸 😵
project	nerd-dinner / Kibana for self-s View Details	/ kibana private service analytics		Read & Write 🔻
	nerd-dinner / NATS message o View Details			Read & Write 👻 🕄

	MEMBERS	REPOSITORIES	SETTINGS	
nerd-dinner				Add repository
Org Members	REPOSITORY		SCAN ON IMAGE PUSH	PERMISSIONS
TEAMS +	nerd-dinner / Database View Details	db private		Read & Write 🔻 🔘
project	nerd-dinner / Elasticsearch for View Details	elasticsearch privat	e	Read only -
	nerd-dinner / New homepage View Details	homepage private		Read & Write 🛛 🗸

Content Trust Settings							
✓ Only run signed images ②							
REQUIRE SIGNATURE FROM ALL OF THESE TEAMS							
Release Managers × Sys Admins × UAT ×							
Update							

Chapter 10: Powering a Continuous Deployment Pipeline with Docker

🚸 BONOBO GIT SERVER	Go to repository \vee 🔒	Repositories 🐣 U	sers 👑 Teams 🗢	🖁 Settings 🛉 admin 🕞 Sign	n Out
Repositories	\$ S	ort Group 🕒 C	Freate new repositor	/ 🔁 Rescan directory	
Search					
Bonobo Gi	t Server (6.0.0.556) © 2015 Jał	kub Chodounský · Offi	icial Page · Github		

🚸 ВОЛОВО @НОМЕ	Go to repository 🔹	🖨 Repositories	💄 Users 🛛 😁 Teams	📽 Settings	🛉 Elton S	toneman	🕞 Sign Out
Repositories		🗢 Sort Group	p O Create new	repository	2 Rescan	directory	
Searc	h						
Name	Description						
🖨 dockerfiles-windows	 Image: A = A = A = A = A = A = A = A = A = A			æ	▲ ⁄2	6	
🖨 presentations	(* (*)			e	▲ ⁄2	6	
dockersamples							
Name	Description						
🖨 newsletter-signup	•			æ	▲ ⁄2	C 🖻	
🗢 packt							
Name	Description						
🖨 docker-on-windows	(* ©			æ	▲ ⁄2	6	

Getting Started	
Getting Started	
✓ Folders Plugin	** bouncycastle API Plugin Folders Plugin ** Structs Plugin ** Pipeline: Step API ** Dipeline: SCM Step ** Credentials Plugin ** SSR Credentials Plugin ** SCM API Plugin ** SCM API Plugin ** Jonkins Mailer Plugin ** Junit Plugin
Jenkins 2.46.2	** - required dependency

🧶 Jenkins	1 Quesearch	admin log out
Jenkins → Plugin Manager		
🛧 Back to Dashboard	T	0
🌺 Manage Jenkins	Filter	5
🔹 Update Center	Updates Available Installed Advanced	
	Install ↓ Name	Version
	.NET Development	
	CCM Plug-in This plug-in generates the trend report for CCM, an open source static code analysis program.	3.1
	change-assembly-version-plugin	1.5.1
	ExCop Runner plugin	1.1
	MSBuild Plugin	1.27
	<u>MSTest plugin</u> Generates test reports for MSTest.	0.19
	MSTestRunner plugin	1.3.0
	NAnt Plugin	1.4.3
	NCover plugin	0.3
	PowerShell plugin	1.3
	Violation Comments to Bitbucket Server Plugin Finds violations reported by code analyzers and comments Bitbucket Server (or Stash) pull requests (or commits) with them.	1.50
	□ <u>Violations plugin</u>	0.7.11
	Visual Studio Code Metrics Plugin	1.7
	USTest Runner plugin	1.0.4
	Install without restart Download now and install after restart Update information obtained: 3 min	12 sec ago Check now

🚸 ВОЛОВО @НОМЕ	Go to repository 🔨 🖂 Repositories 🔺 Users 😤 Teams 🗱 Settings 🛉 Elton Stoneman 🖨 Sign Out
docker-on-v	vindows
🖴 Details 🏻 🍄 F	lepository Browser 🛪 Commits 💊 Tags 📥 Download 🖓 Clone
Name	docker-on-windows
Git URL	ttp://192.168.2.160/Bonobo.Git.Server/docker-on-windows.git
Personal URL	台Copy http://sixeyed@192.168.2.160/Bonobo.Git.Server/docker-on-windows.git
Group	packt
Description	
Anonymous	No
Anonymous push	Global
Use global linkify settings	8
Link Regex	
Link Url	
Contributors	Jenkins Cl
Administrators	Elton Stoneman
Teams	

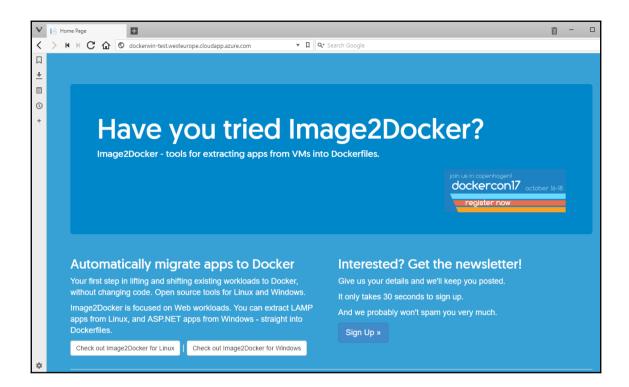
🔮 Jenkins		1 Quesearch I Constant	log out
Jenkins → Credentials → System → Globa	al credentials (u	unrestricted) >> jenkins/****** (bonobo-jenkins)	
摿 Back to Global credentials (unrestricted)	Scope	Global (Jenkins, nodes, items, all child items, etc)	• 🕐
💥 Update	Username	jenkins	0
O Delete	Password		0
	ID	bonobo-jenkins	0
	Description	bonobo-jenkins	0
	Save		

😥 Jenkins		1	Qsearch	(2)	Elton Stoneman	log out
Jenkins → Credentials → System →	Global credenti	als (unrestricted)	•			
 Back to credential domains Add Credentials 				e of domain specification to r		
	Credenti		Name	Kind	Description	
	****	jenkins/****** (b	onobo-jenkins)	Username with password	bonobo-jenkins	X
	0	<u>ca.pem (docker</u>	server-ca)	Secret file	docker-server-ca	X
	0	cert.pem (docke	r-server-cert)	Secret file	docker-server-cert	X
	0	key.pem (docke	r-server-key)	Secret file	docker-server-key	\mathbb{X}
	Icon: S	ML				

General	Source Code Mana	agement Build T	riggers Build	d Environment	Bindings	Build	Post-build Actions		
Source None Git 	Code Manag	ement							
Reposito	ories	Repository URL Credentials		2. 160/Bonobo. Git. (bonobo-jenkins)		-on-window	s.git Advanced Add Repository	۲	۲
Branche	s to build	Branch Specifier	(blank for 'any')	*/master			X Add Branch	0	
Reposito	ory browser	(Auto)						۲	0
Addition	al Behaviours	Add 🗸							

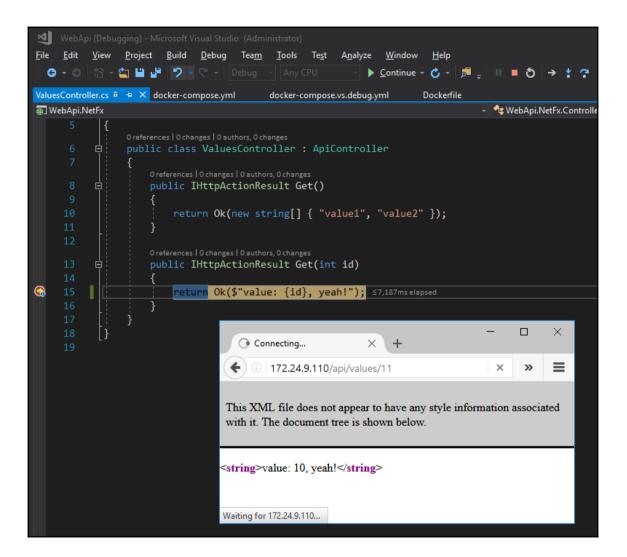
General	Source	e Code Management	Build Triggers	Build Environment	Bindings	Build	Post-build Actions		
Build E	nviro	nment							
Delete	workspac	e before build starts							
Abort th	ne build if	f it's stuck							
🔲 Add tim	nestamps	to the Console Output							
🗹 Use se	cret text(s) or file(s)							0
Bindin	gs								
Sec	ret file							X)
Vari	able	DOCKER_CA						0)
Cree	dentials	Specific credentials ca.pem (docker-serve						0)

Vsername and password (separated)								
Username Variable	DOCKER_HUB_USER							
Password Variable	DOCKER_HUB_PASSWORD	0						
Credentials	Specific credentials Parameter expression							
	jenkinssc/****** (dockerhub-jenkinssc) ▼							



Chapter 11: Debugging and Instrumenting Application Containers

			Solut	ion Explorer					
			○ ○ 습 ∺ - `⊙ - Ċ ☞ ₪ ≁ -						
				Search Solution Explorer (Ctrl+:)					
			Solution 'WebApi' (1 project)						
			🔺 👜 WebApi.NetFx						
			*	Build					
				Rebuild					
				Clean					
				Analyze					
				Convert					
			⊕	Publish					
				Overview					
				Scope to This					
				New Solution Explorer View					
0	Area			Add					
*ם	New Item	Ctrl+Shift+A	Ë	Manage NuGet Packages					
* 0	Existing Item	Shift+Alt+A		Manage Bower Packages					
	New Scaffolded Item		₽	Set as StartUp Project					
	Add ASP.NET Folder			Debug					
*-	New Folder			Initialize Interactive with Project					
*?	Application Insights Telemetry		ጽ	Cut	Ctrl+X				
	Docker Support								
	REST API Client		×	Remove	Del				
	New Azure WebJob Project Existing Project as Azure WebJob Reference		X	Rename					
				Unload Project					
			୯	Open Folder in File Explorer					
	Service Reference		٦	Properties	Alt+Enter				
t₽	Connected Service								



Attach to Process					?	>
Transport:	Remote	(no authentication)				~
Qualifier:	172.24.1	.174:4020		~	Find.	
Transport Information The 'Remote (no au possible.		transport should never be us	sed on a network that might have hosti	le traffic. Use 'Default' tra	nsport where	
Attach to:	Automa	tic: Managed (v4.6, v4.5, v4.	0) code		Select	
Available Processes	ID	Title	Туре	User Name	Session	^
sychost.exe	8760	The	x64	SYSTEM	129	
sychost.exe	1008		x64	NETWORK SERVICE	129	
sychost.exe	5840		x64	SYSTEM	129	
sychost.exe	13428		x64	LOCAL SERVICE	129	
sychost.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	Cance	əl

>docker

Docker: Add docker files to workspace

Docker: Attach Shell to a running container

Docker: Azure CLI

Docker: Build Image

Docker: Compose Down

Docker: Compose Up

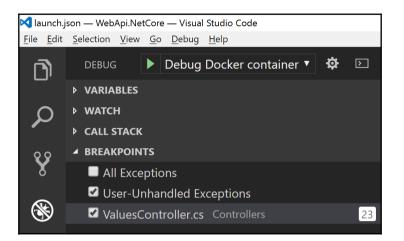
Docker: Push

Docker: Remove Images

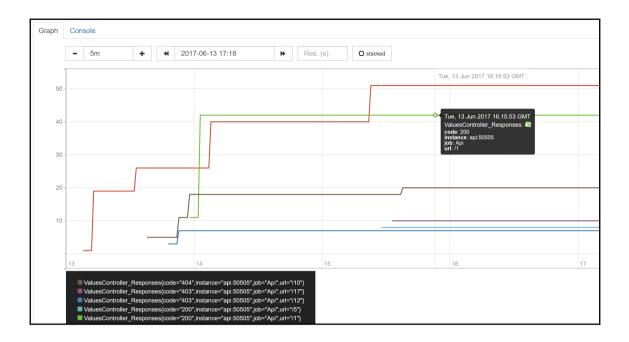
Docker: Run

Docker: Run Interactive

Docker: Show Logs









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

