

Ondersteunend videomateriaal voor Docker

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Docker introductie

Er zijn fundamentele verschillen tussen Virtuele Machines en Docker Containers.

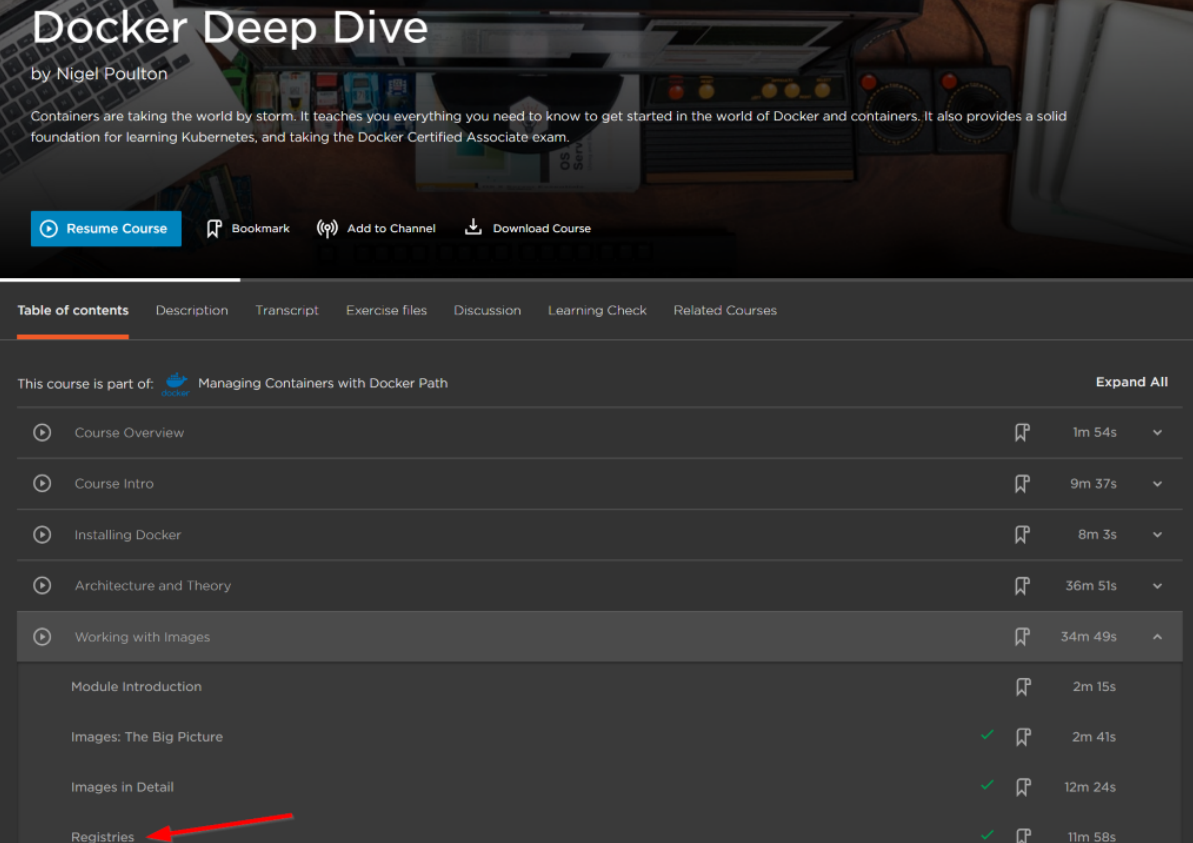
In dit filmpje worden deze verschillen uitgelegd.

 [Virtual Machines vs Docker Containers - Dive Into Docker](#)

Docker Hub en Container images

Voor de les van Docker Hub en Container images kan je kijken naar het filmpje "Registries" in de Course "Docker Deep Dive". Men spreekt daar wel nog van het AUFS union system in plaats van het huidige Overlay2, maar het principe blijft hetzelfde

<https://www.pluralsight.com/courses/docker-deep-dive-update>



Docker Deep Dive
by Nigel Poulton

Containers are taking the world by storm. It teaches you everything you need to know to get started in the world of Docker and containers. It also provides a solid foundation for learning Kubernetes, and taking the Docker Certified Associate exam.

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Table of contents | Description | Transcript | Exercise files | Discussion | Learning Check | Related Courses

This course is part of: [Managing Containers with Docker Path](#) [Expand All](#)

Course Overview	Bookmark	1m 54s	▼
Course Intro	Bookmark	9m 37s	▼
Installing Docker	Bookmark	8m 3s	▼
Architecture and Theory	Bookmark	36m 51s	▼
Working with Images	Bookmark	34m 49s	▲
Module Introduction	Bookmark	2m 15s	
Images: The Big Picture	✓ Bookmark	2m 41s	
Images in Detail	✓ Bookmark	12m 24s	
Registries	✓ Bookmark	11m 58s	

Docker Containers en images

Om een goed idee te krijgen over wat een container nu precies is kan je best naar volgende Pluralsight-cursus kijken

<https://www.pluralsight.com/courses/containers-images-big-picture>

Je dient enkel het derde deel en het vierde deel te bekijken, genaamd "What is a Container?" En "What is an image"

Containers and Images: The Big Picture
by Wes Higbee

Have you wondered about containers and wanted to understand the big picture of containers? If so, then you need to learn not just about containers, but also distributing images and that's what this course will cover.

2000 Solaris Containers
2006 Process Containers (later cgroups), UTS and
2008 2.6.24 - cgroups merged, PID & Network

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Table of contents	Description	Transcript	Exercise files	Discussion	Learning Check	Related Courses
Course Overview	✓	🔖	1m 57s	▼		
Why Do You Need a New Way to Run Applications?	✓	🔖	7m 34s	▼		
What Is a Container?	✓	🔖	50m 45s	▼		
What Is an Image?	✓	🔖	49m 7s	▼		

Waarvan de laatste zes filmpjes niet moeten bekeken worden

OCI Proves the Importance of Images ✓ 7m 30s

Image Tech Is Advancing Virtual Machines Too ✓ 1m 58s

Hyper-V Containers Use Virtual Machine Isolation ✓ 1m 51s

Intel Clear Containers for Linux: Containers in a VM ✓ 3m 38s

Virtual Machine vs. Container Is Simply a Runtime Decision ✓ 1m 10s

Key Takeaway - Images Simplify Distribution and Installation ✓ 2m 45s

Dit was eerder een theoretische benadering.

Vervolgens kan je, voor een praktische benadering, in onderstaande course kijken naar "Installing Docker on Linux" onder de sectie "Installing Docker".

<https://www.pluralsight.com/courses/docker-deep-dive-update>

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This course is part of: Managing Containers with Docker Path Expand All

Course Overview	1m 54s	▼
Course Intro	9m 37s	▼
Installing Docker	8m 3s	▲
Module Intro	51s	
Play with Docker (PWD)	1m 20s	
Docker for Mac and Windows	2m 28s	
Docker on Windows Server 2016	1m 48s	
Docker on Linux	1m 34s	

In dezelfde course kijk je ook best naar "Diving Deeper" en "Logging" onder de sectie "Working with Containers"

Table of contents | Description | Transcript | Exercise files | Discussion | Learning Check | Related Courses

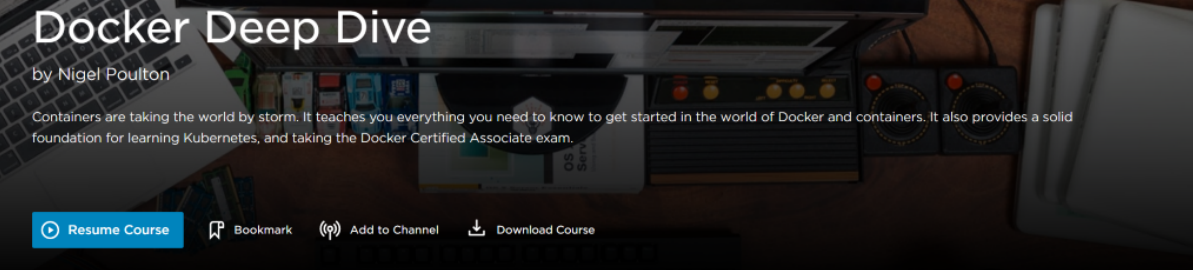
This course is part of:  Managing Containers with Docker Path Expand All

▶	Course Overview		1m 54s	▼
▶	Course Intro		9m 37s	▼
▶	Installing Docker		8m 3s	▼
▶	Architecture and Theory		36m 51s	▼
▶	Working with Images		34m 49s	▼
▶	Containerizing an App		29m 8s	▼
▶	Working with Containers		25m 52s	▲
	Module Intro		41s	
	Containers: The Big Picture		7m 41s	
	Diving Deeper		12m 23s	
	Logging		3m 21s	
	Recap		1m 45s	

Een shell verkrijgen in een Container

Je kan kijken naar de Sectie "Containerizing an App" in de Course "Docker Deep Dive"

<https://www.pluralsight.com/courses/docker-deep-dive-update>











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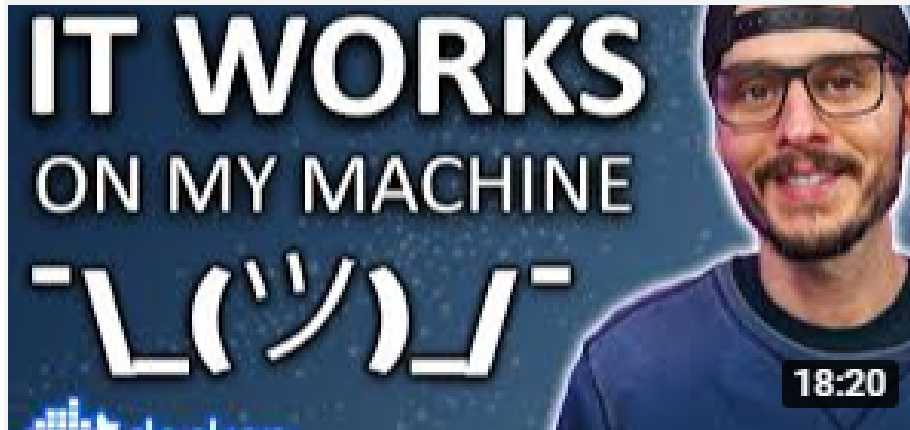
This course is part of:  Managing Containers with Docker Path Expand All

Course Overview	 1m 54s	▼
Course Intro	 9m 37s	▼
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Working with Images	 34m 49s	▼
Containerizing an App	 29m 8s	▼
Working with Containers	 25m 52s	▼

Dockerfile en pushen naar Docker Hub

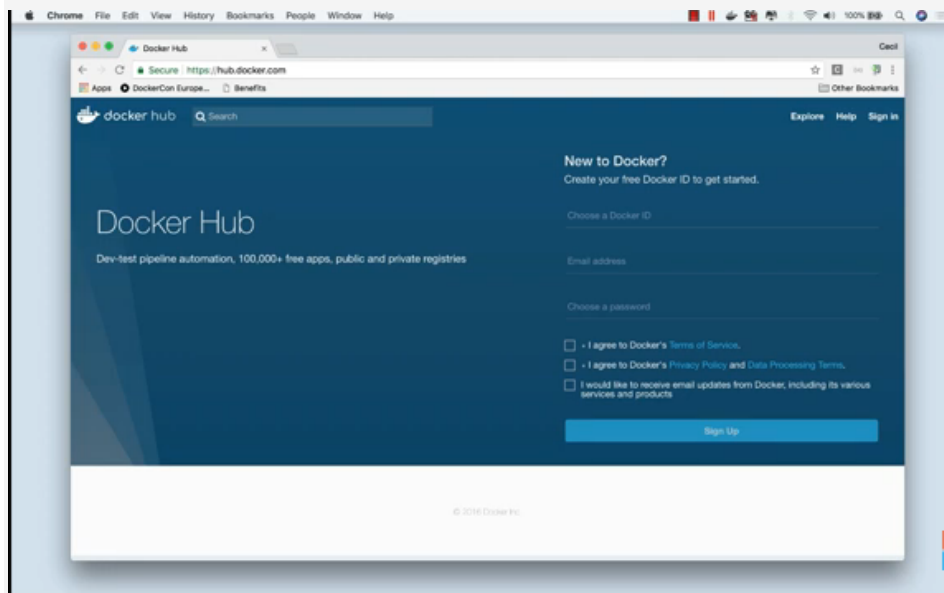
Voor de les van Dockerfile en het Pushen naar Docker Hub kan je kijken naar het onderstaande filmpje voor uitleg over het maken van een Dockerfile:

<https://youtu.be/SnSH8Ht3Mlc>



Voor uitleg in verband met het pushen naar Docker Hub kan je kijken naar het volgend filmpje:

https://youtu.be/r_tGI4zF1ZQ



Tevens kan je een kijkje nemen naar onderstaande PluralSight-Guide

<https://app.pluralsight.com/guides/create-docker-images-docker-hub>



The image shows the header of a PluralSight guide. On the left is a circular profile picture of Gaurav Singhal, a man with glasses and a suit. To the right of the picture is the title 'Create Docker Images for Docker Hub' in a large, white, sans-serif font. Below the title, in a smaller font, is the date 'Jul 25, 2019', the estimated reading time '13 Min read', and the view count '2,444 Views'. At the bottom of the header are two dark grey buttons with white text: 'IT Infrastructure' and 'Docker'.

Gaurav Singhal

Create Docker Images for Docker Hub

Jul 25, 2019 • 13 Min read • 2,444 Views

IT Infrastructure Docker

Container Volumes

Voor de les "Container Volumes" kan je kijken naar de filmpjes onder "Working with Volumes and Persistent Data" in de Course "Docker Deep Dive"

<https://www.pluralsight.com/courses/docker-deep-dive-update>

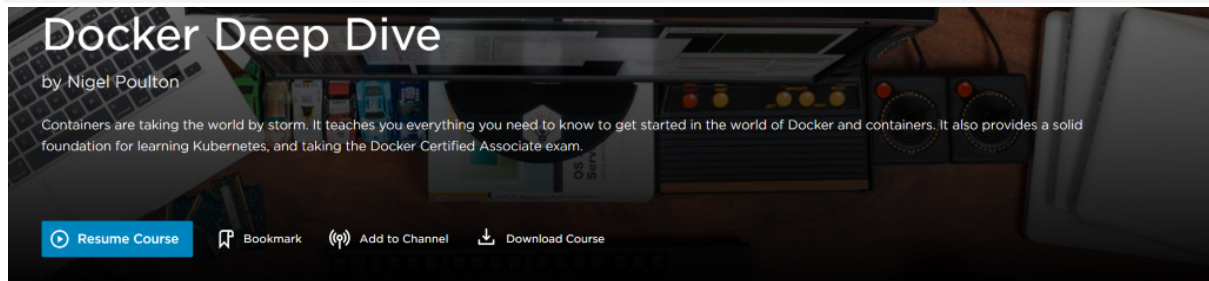



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▶	Containerizing an App					29m 8s
▶	Working with Containers					25m 52s
▶	Building a Secure Swarm					24m 36s
▶	Container Networking					18m 30s
▶	Working with Volumes and Persistent Data					14m 24s
▶	Working with Secrets					16m 5s
▶	Deploying in Production with Stacks and Services					19m 27s
▶	Enterprise Tooling					37m 5s
▶	What Next					4m 5s

Container networking

Voor de les "Container Networking" kan je kijken naar de filmpjes onder "Container networking" in de Course "Docker Deep Dive"

<https://www.pluralsight.com/courses/docker-deep-dive-update>

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▶	What Next					4m 5s

Docker Compose

Voor de les "Docker Compose" zou je zeker moeten weten hoe yaml werkt. Hiervoor kan je kijken naar onderstaand filmpje.

[YAML | In One Video](#)

Voor Docker Compose verwijst ik graag naar het onderstaand youtube-filmpje.

Je zou dit filmpje moeten bekijken van 1:16:15 tot 1:34:28

[Docker for Beginners: Full Course](#)

Let wel op! Hij plaatst een Docker-Image fout op de slideshow. Zie hieronder

