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Agenda



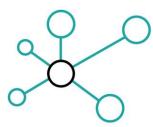
- Docker Concepts
- Sitecore Docker Image Repository
- Using Docker for Development



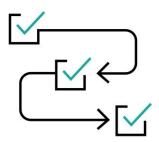


Common Issues



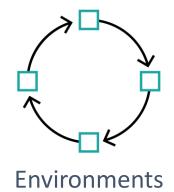


Dependencies



Deployments



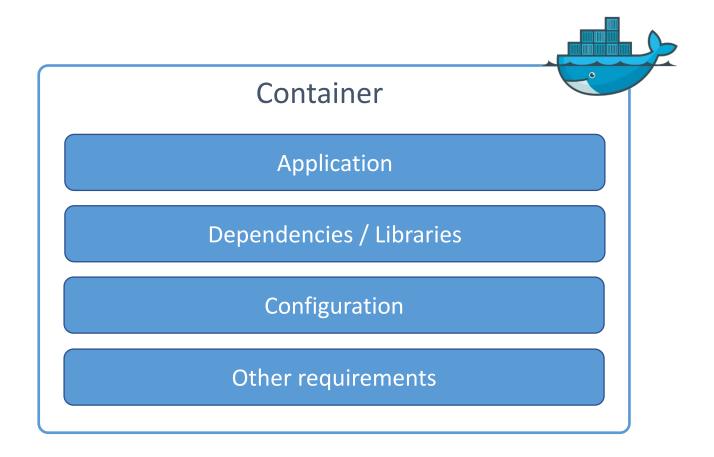




Operating Systems

Containers to the rescue!

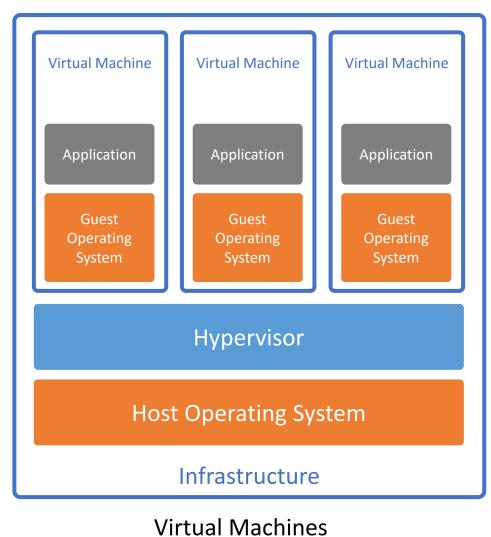






Virtual Machines vs Containers





Container Container Container Container Container Container **Docker Daemon Host Operating System** Infrastructure

Containers

What's inside an Image?



Sitecore Experience Platform (XP)

4.8-windowsservercore-ltsc2019

Sitecore XP

Sitecore PowerShell Extensions (SPE)

Sitecore Experience Platform (XP)

4.8-windowsservercore-ltsc2019

Sitecore XP + SPE

Sitecore Experience Accelerator (SXA)

Sitecore PowerShell Extensions (SPE)

Sitecore Experience Platform (XP)

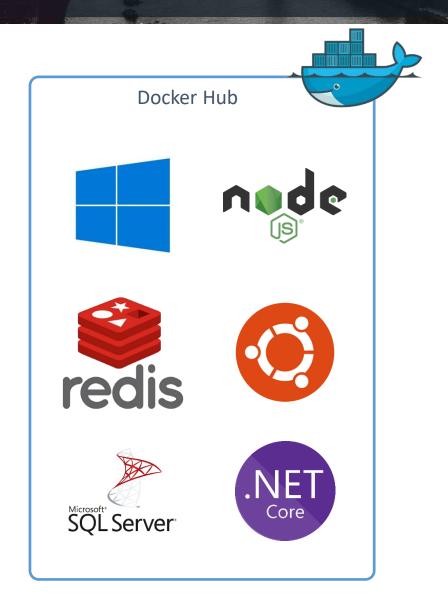
4.8-windowsservercore-ltsc2019

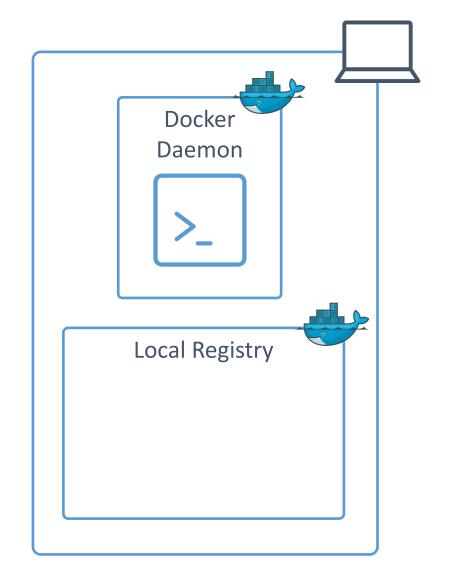
SPE + SXA



Registries



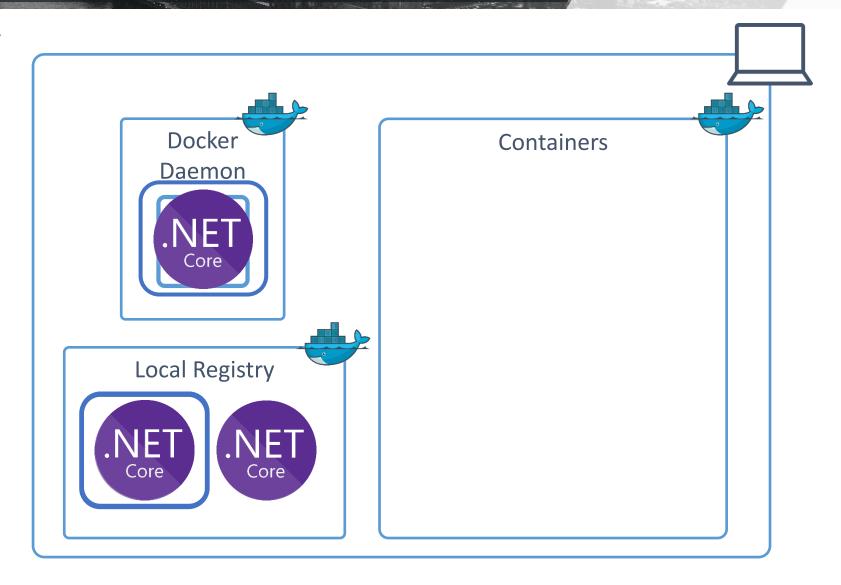




Images, Containers & Registries

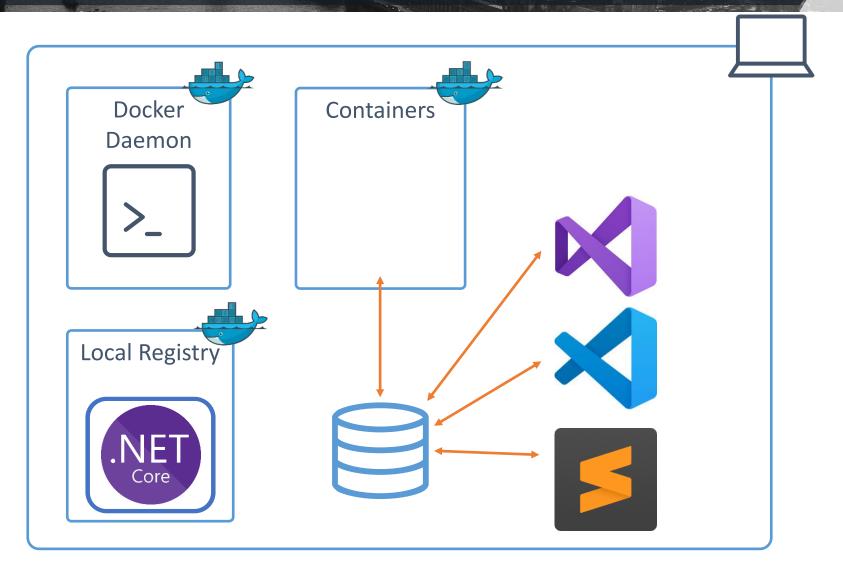






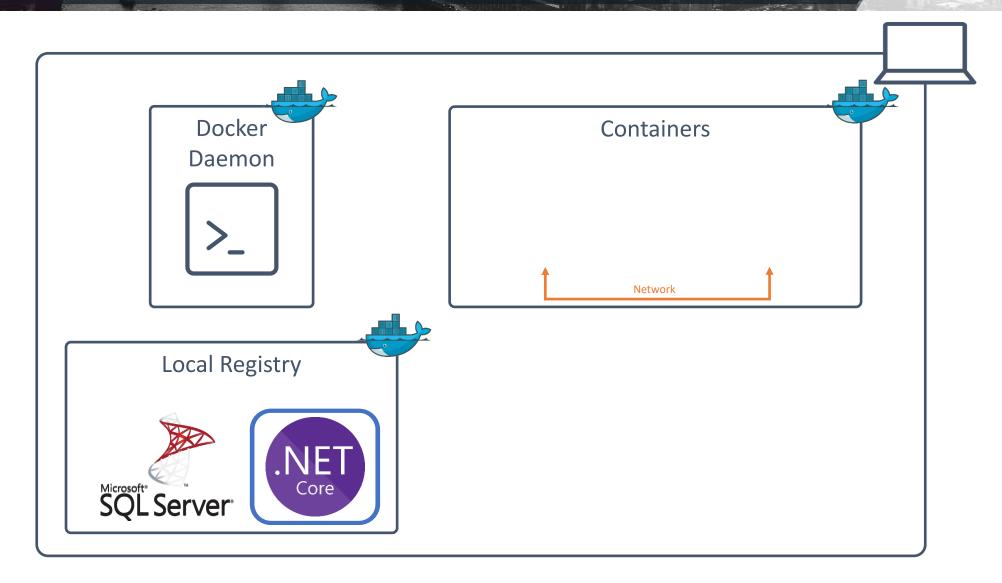
Volumes





Networking

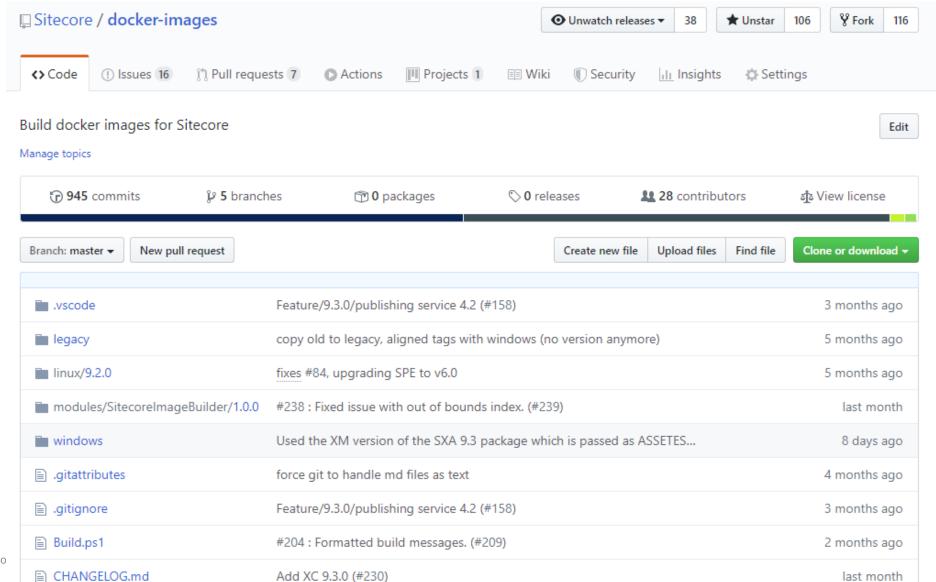






What is the Docker-Images repository?





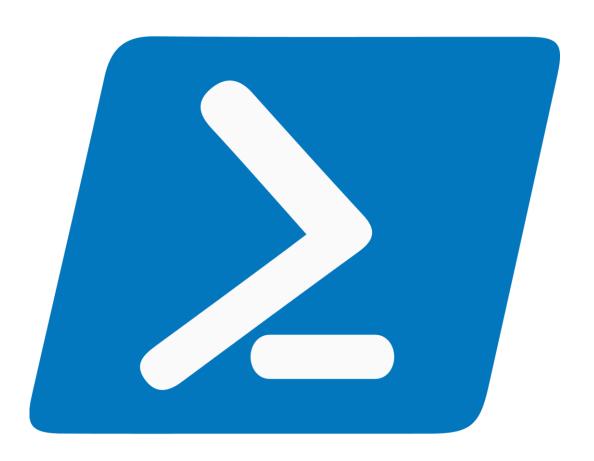


How to build the Images?



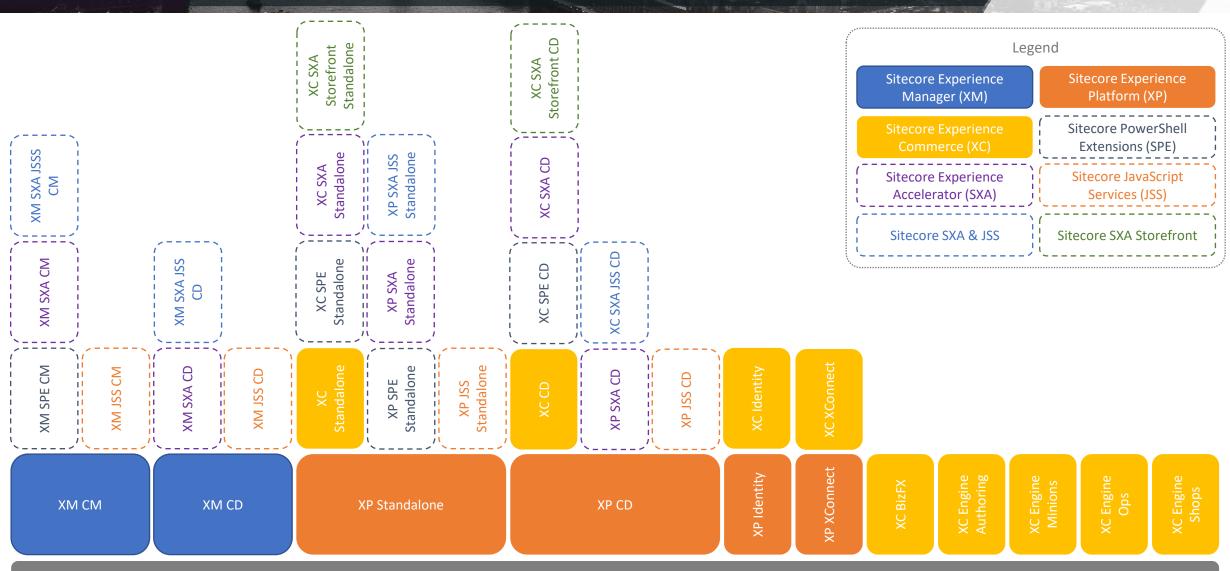
Build.ps1

- [Mandatory] SitecoreUsername
- [Mandatory] SitecorePassword
- [Optional] SitecoreVersion
- [Optional] Topology
- [Optional] WindowsVersion
- [Optional] IncludeSpe
- [Optional] IncludeSxa
- [Optional] IncludeJss
- [Optional] SkipExistingImage
- [Optional] IncludeExperimental
- [Optional] Registry



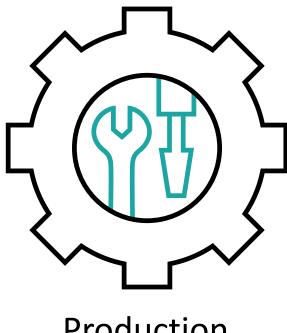
What Images are built?



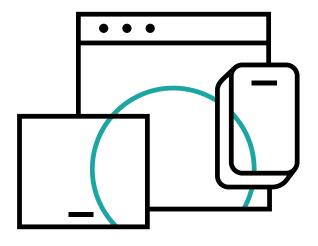


Entrypoints





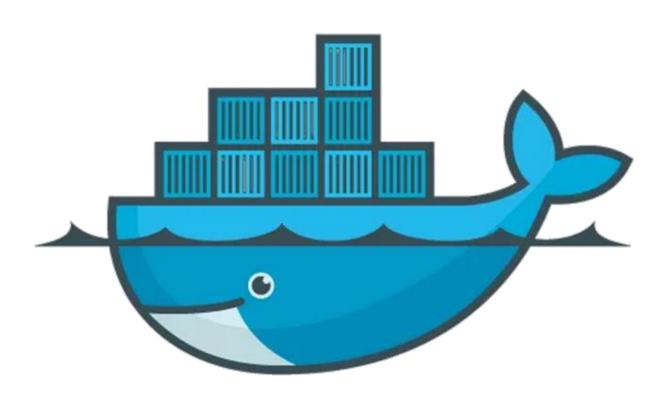
Production



Development

How to use the images?



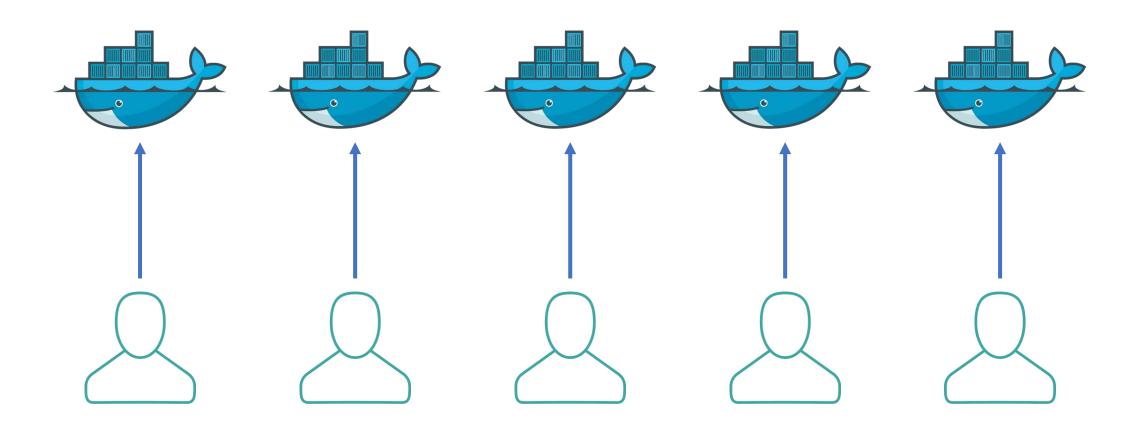


- Docker-Compose pulls groups of containers into complete systems
- 22+ examples for 9.3 in the repo.
- XM, XP & XC examples
- SPE, SXA, JSS examples and more!



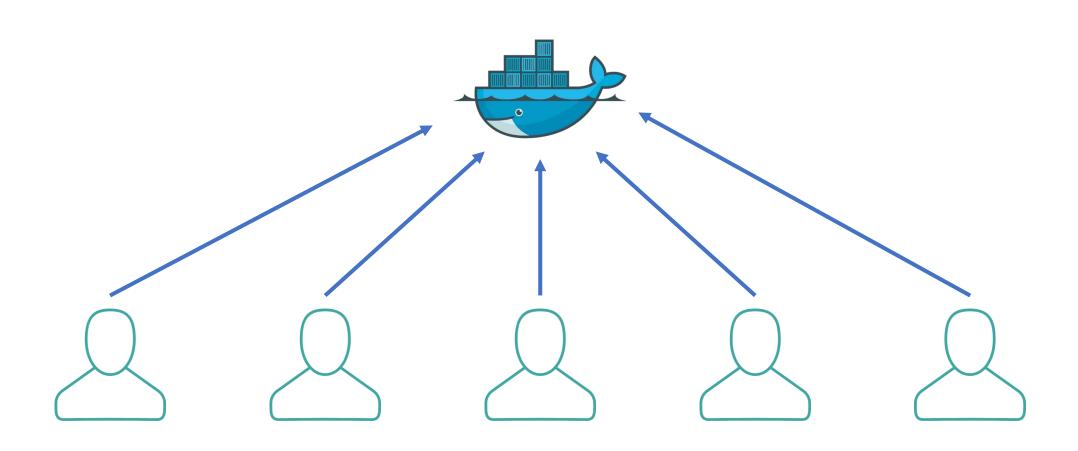
How to work in a dev team?





How to work in a dev team?







What do we need?





GitHub Repository



Custom docker-compose (XP & SXA)



Visual Studio Solution

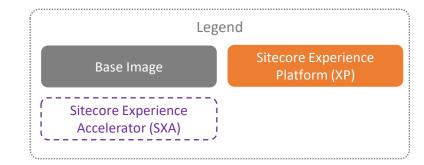


TDS Serialisation



Architecture





XP SXA SqlDev

mssql-developer:2017windowsservercore-ltsc2019

XP SXA CD

XP SXA Standalone

XP XConnect

aspnet:4.8-windowsservercore-ltsc2019

XP XConnect Index Worker XP XConnect Processing Engine

XP XConnect Automation Engine

runtime:4.8-windowsservercore-ltsc2019

XP SXA Solr

sitecore-openjdk:8-nanoserver-ltsc2019



Links



Videos:

- Docker A Quick Introduction
 - https://www.youtube.com/watch?v=RMYGVOswIKk
- Sitecore Docker Images Repo

https://www.youtube.com/watch?v=cA1CMdwrNVU

Github

- Sitecore Docker Images Repo <u>https://github.com/Sitecore/docker-images</u>
- This Repo

https://github.com/robearlam/Getting-Started-With-Docker-and-Containers

