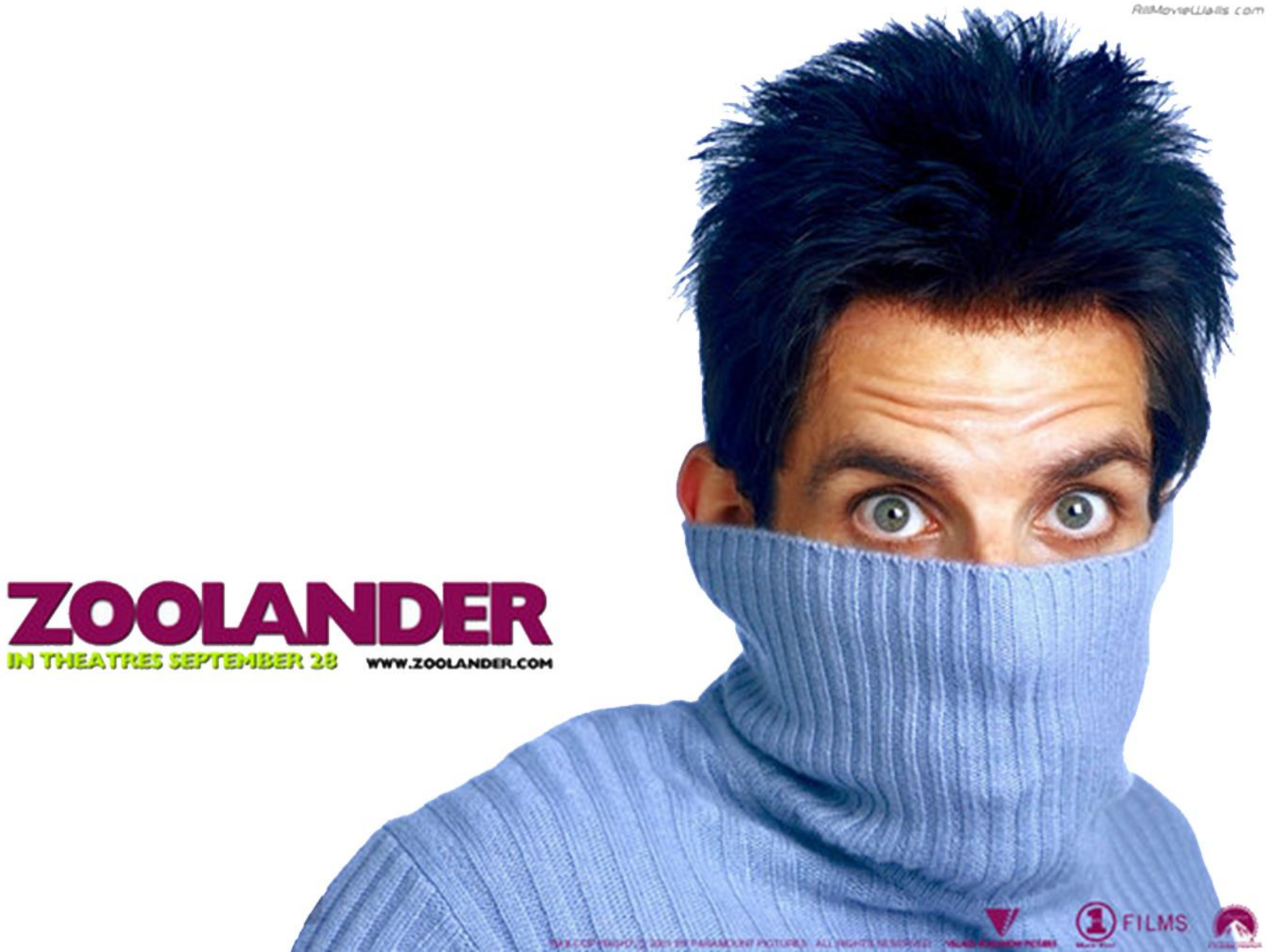
SITECORE

Sitecore & Docker So Hot Right Now!

Rob Earlam
Technical Evangelist - Sitecore

May 2020

@RobEarlam



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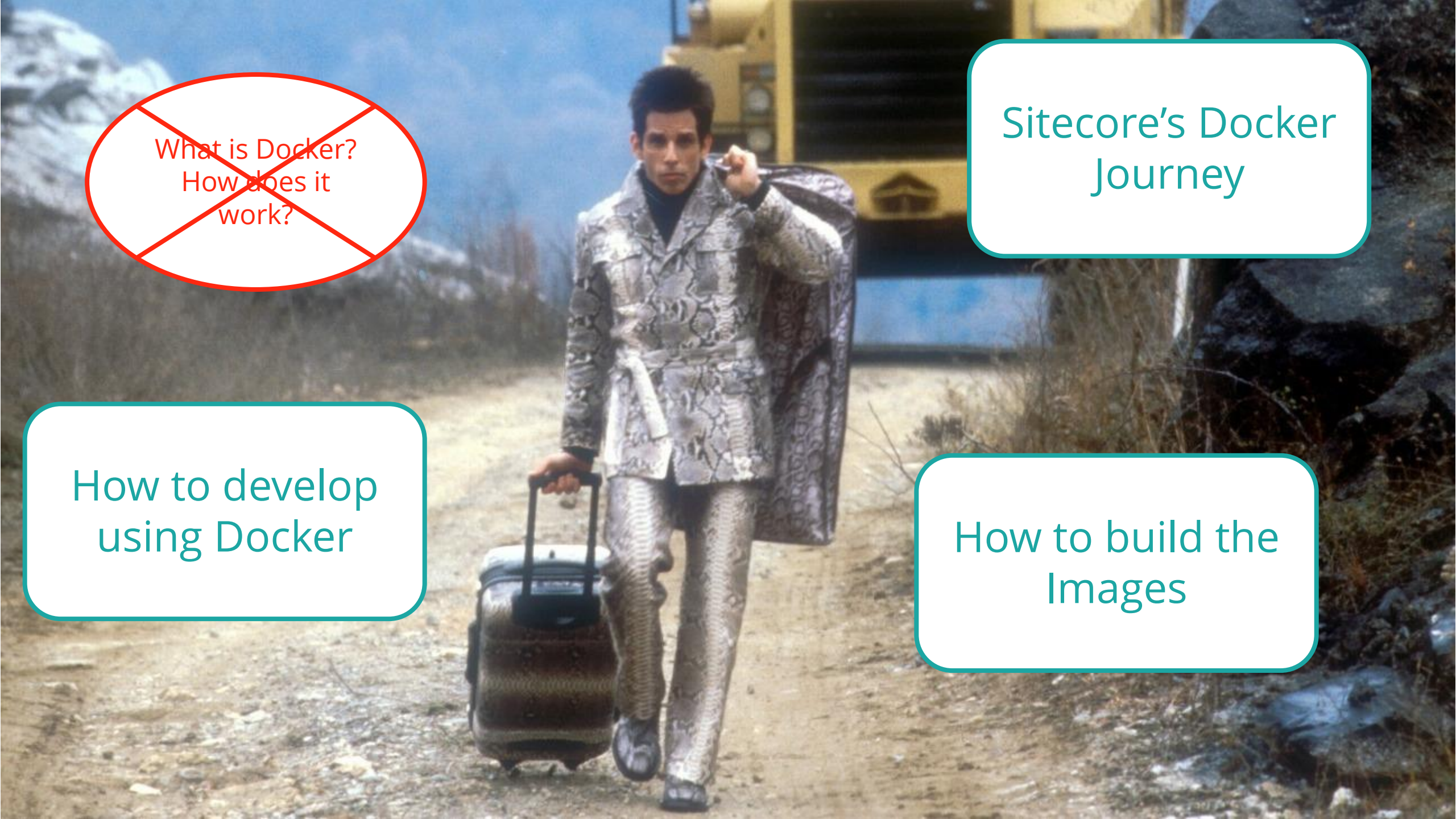
What is Docker? How does it work?
Sitecore's Docker Journey
How to develop using Docker
How to build the Images

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Sitecore's Journey with Docker

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ONE OF MY HEROES I GUESS WOULD BE STING.
I MEAN, I DON'T LISTEN TO ANY OF HIS MUSIC, BUT I REALLY RESPECT THAT HE'S MAKING IT.
imgflip.com

Better Windows Support for Containers
The AMAZING Sitecore community

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The Sitecore Docker Images Repository

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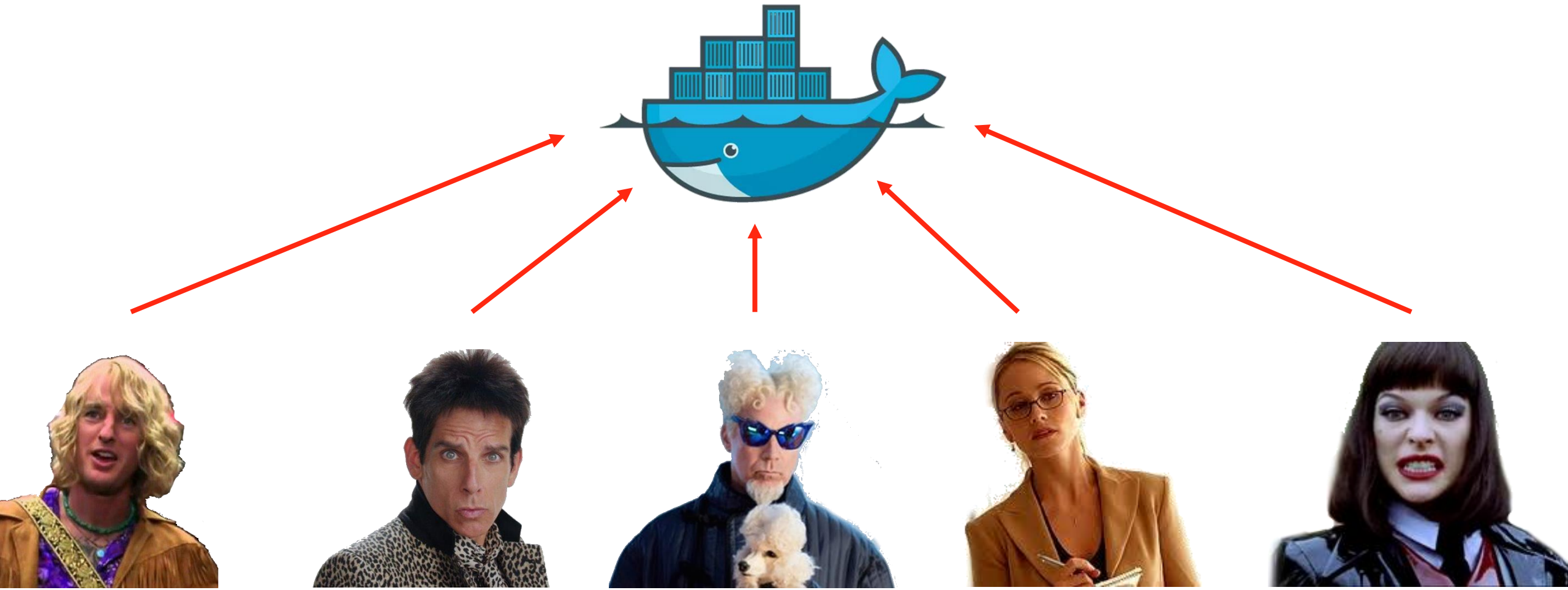
Build.ps1

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

Pushing to a shared registry



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Developing with Docker

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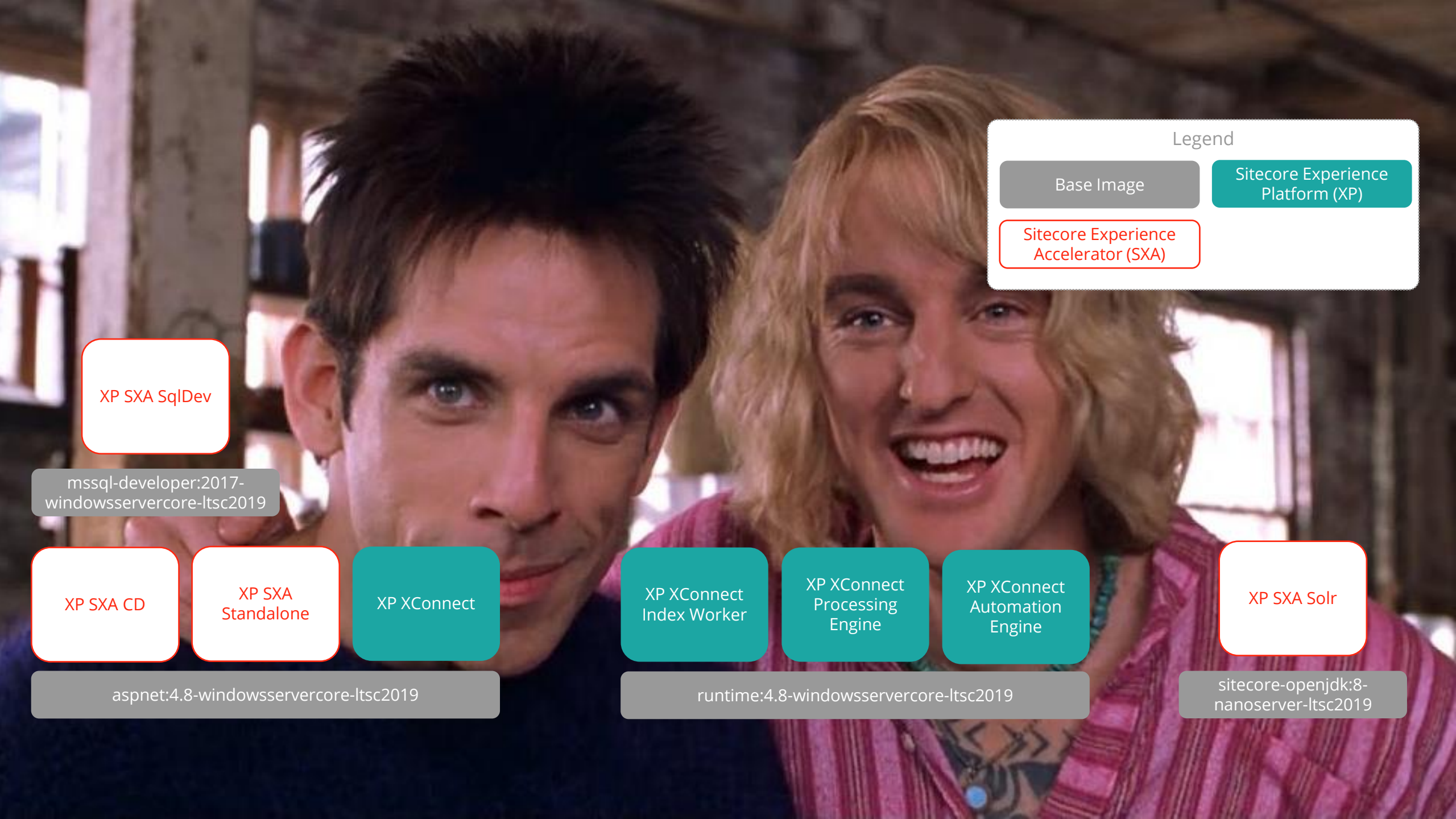
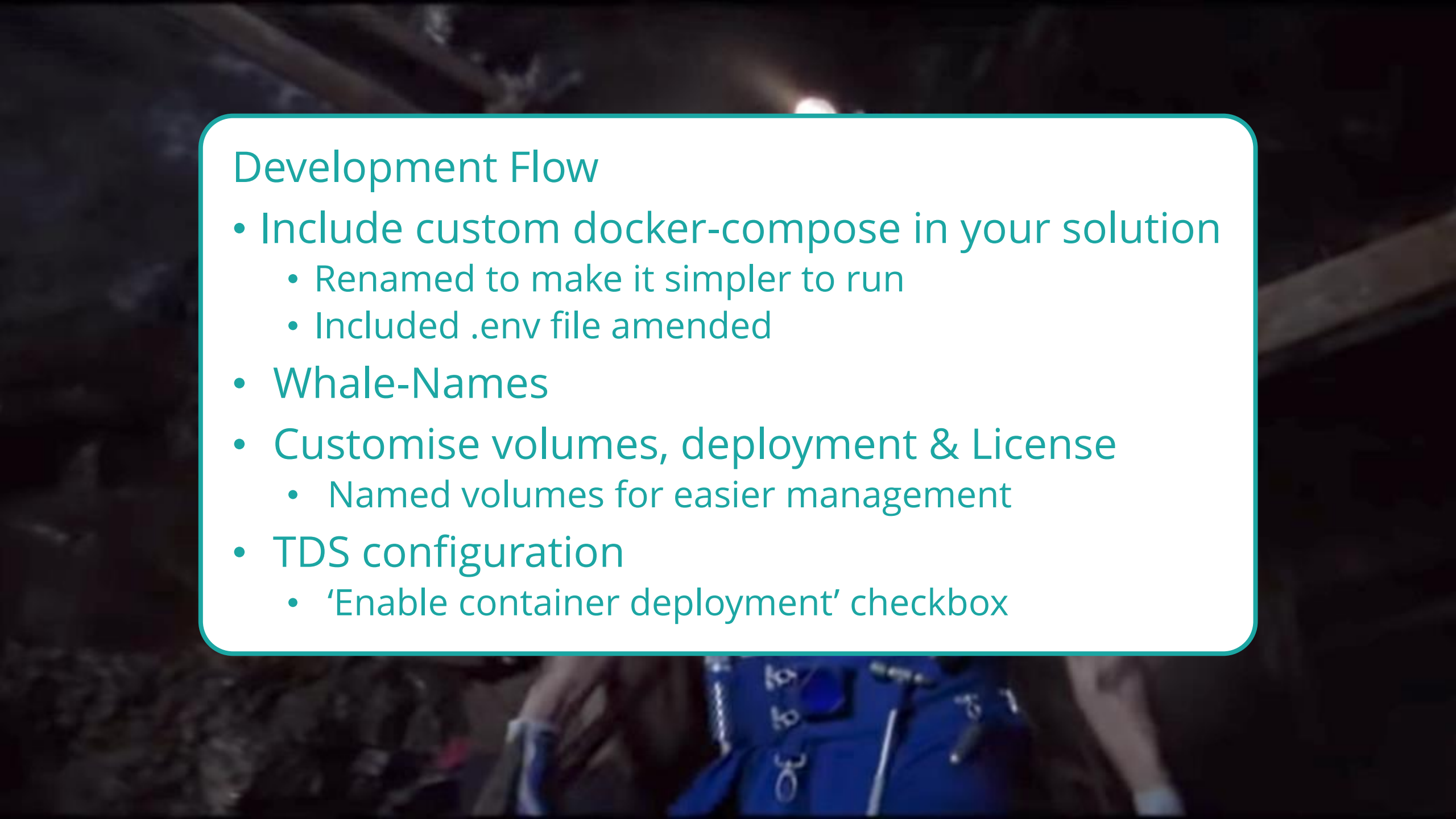
- GitHub Repository
- XP docker images with SXA
- Visual Studio Solution
- TDS for Serialisation

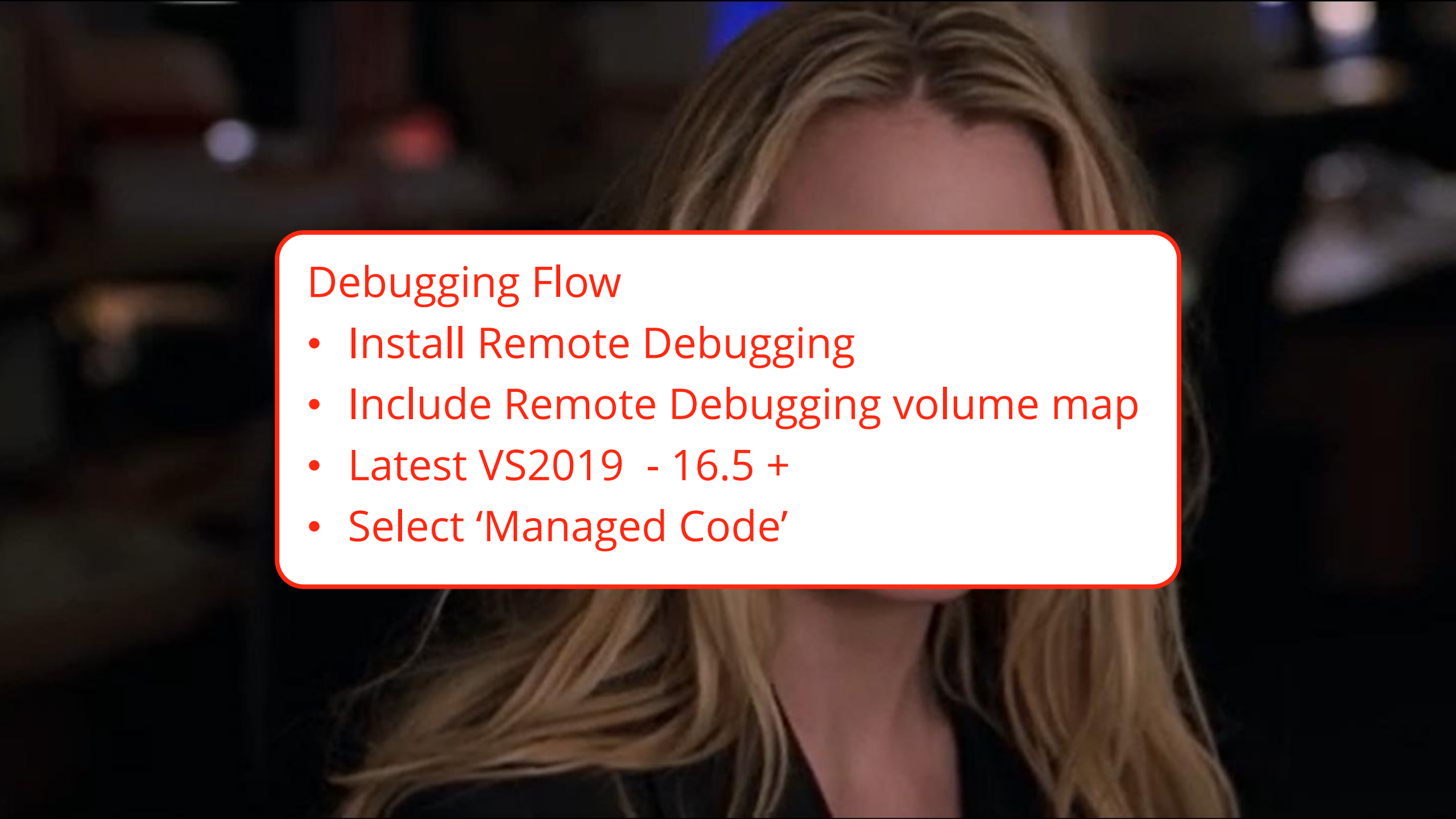

Legend
Base Image
Sitecore Experience Platform (XP)
Sitecore Experience Accelerator (SXA)
XP SXA SqlDev
mssql-developer:2017-windowsservercore-ltsc2019
XP SXA CD
XP SXA Standalone
XP XConnect
aspnet:4.8-windowsservercore-ltsc2019
XP XConnect Index Worker
XP XConnect Processing Engine
XP XConnect Automation Engine
runtime:4.8-windowsservercore-ltsc2019
XP SXA Solr
sitecore-openjdk:8-nanoserver-ltsc2019

THE FILES
ARE IN THE CONTAINER?



Development Flow

- Include custom docker-compose in your solution
  - Renamed to make it simpler to run
  - Included .env file amended
- Whale-Names
- Customise volumes, deployment & License
  - Named volumes for easier management
- TDS configuration
  - ‘Enable container deployment’ checkbox


Debugging Flow
• Install Remote Debugging
• Include Remote Debugging volume map
• Latest VS2019 - 16.5 +
• Select ‘Managed Code’

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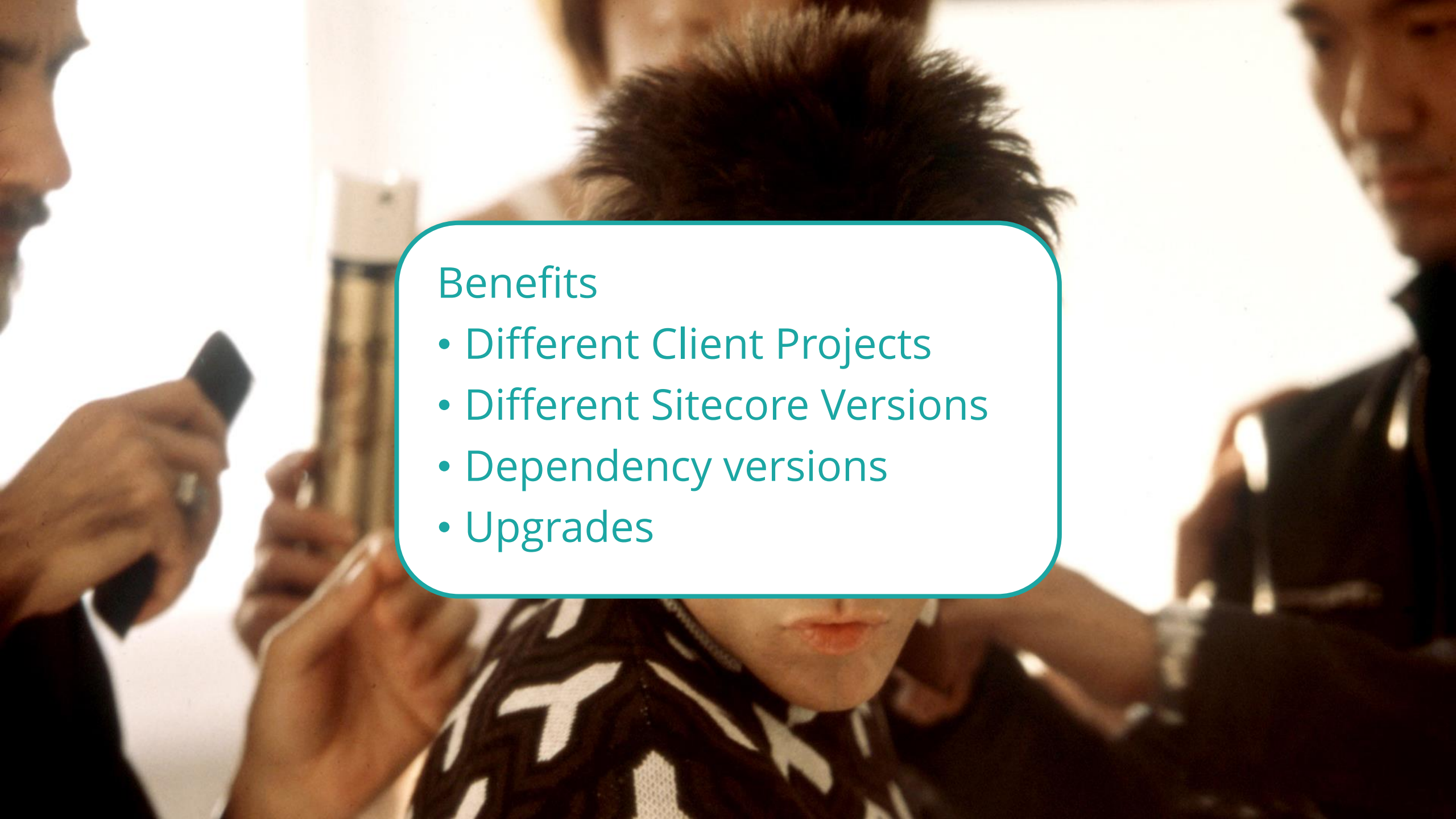
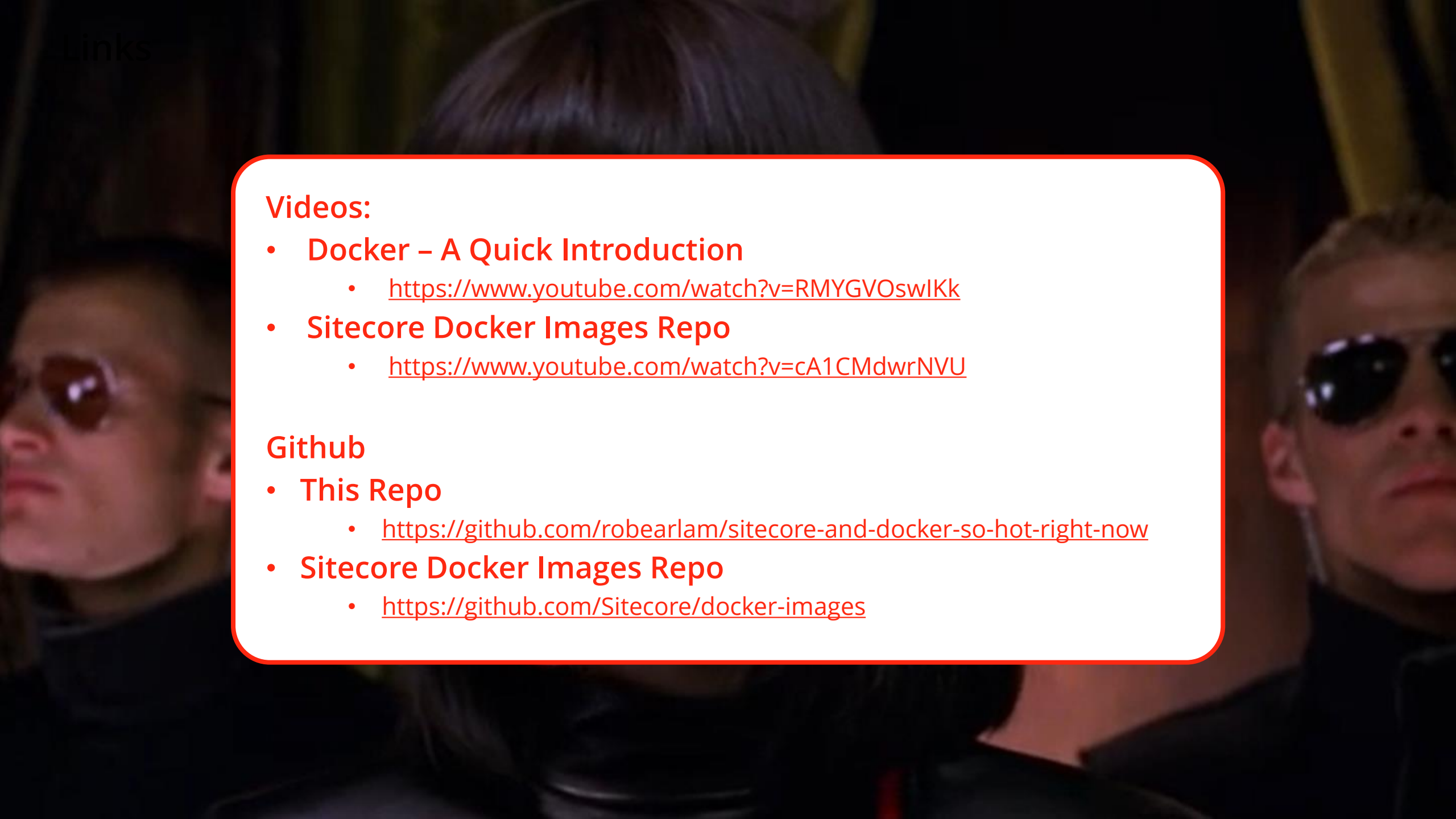
Closing Thoughts



Benefits

- Different Client Projects
- Different Sitecore Versions
- Dependency versions
- Upgrades

SITECORE AND DOCKER,
SO HOT RIGHT NOW!



Videos:

- Docker – A Quick Introduction
  - https://www.youtube.com/watch?v=RMYGVOswIKk
- Sitecore Docker Images Repo
  - https://www.youtube.com/watch?v=cA1CMdwrNVU

Github

- This Repo
  - https://github.com/robearlam/sitecore-and-docker-so-hot-right-now
- Sitecore Docker Images Repo
  - https://github.com/Sitecore/docker-images

Thank you

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