PowerShell Conference Europe

Getting started with Dev Containers in VS Code

Jan Egil Ring

20 - 23 June 2022

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```

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Agenda

- Introduction
  - Docker & containers
  - What challenge does development containers solve?
- Demos

Development environments

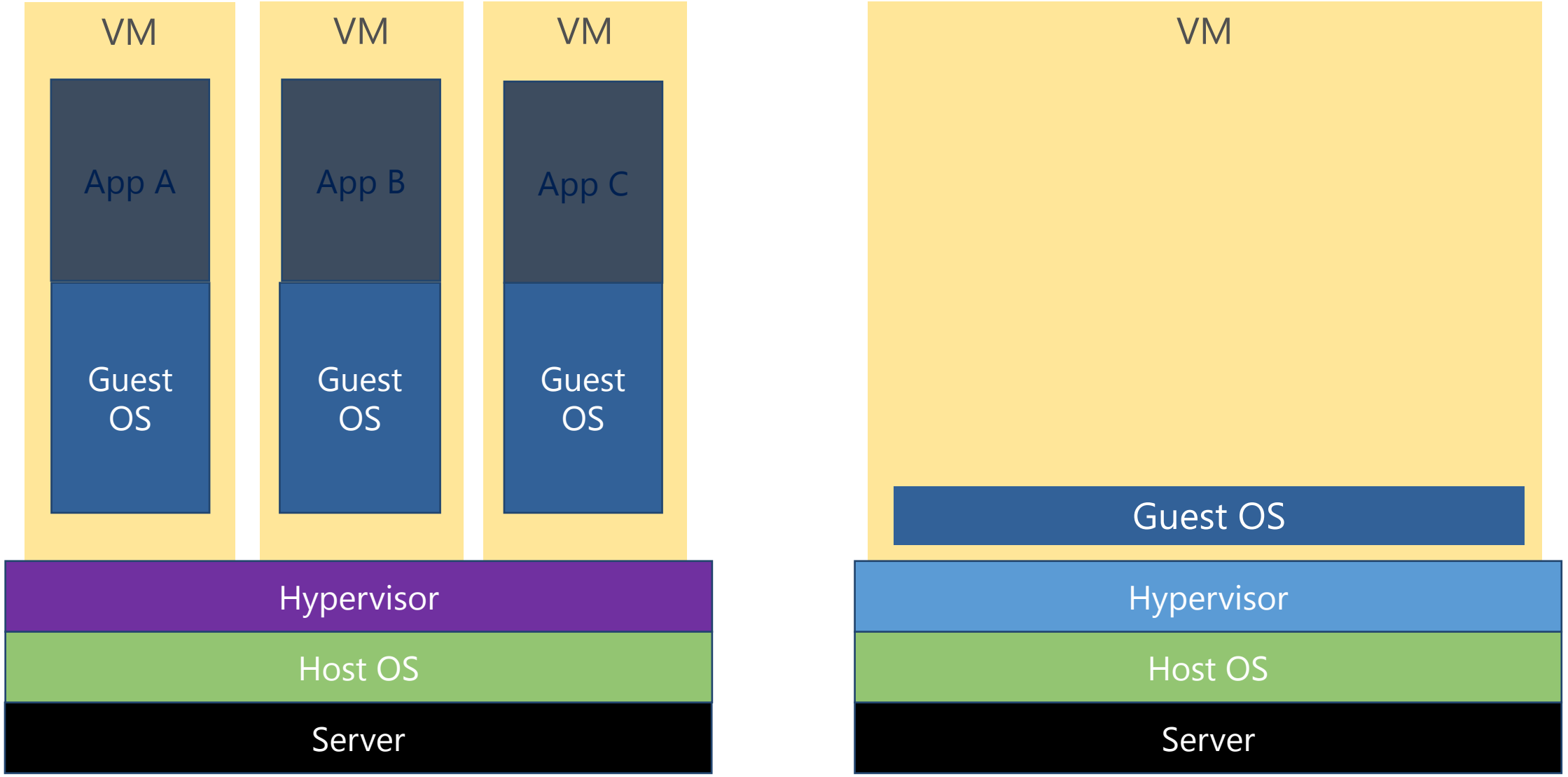
- VS Code extensions
- PowerShell version x.x
  - Module X version x.x
- Terraform version x.x
- Azure Bicep version x.x
- Azure CLI version x.x
- Other tools
  - Linting

Goals

- Isolation
- Standardized format describing the environment
- Easy to share across team/project members

- This sounds familiar...is it an already solved problem?

What is a Container?



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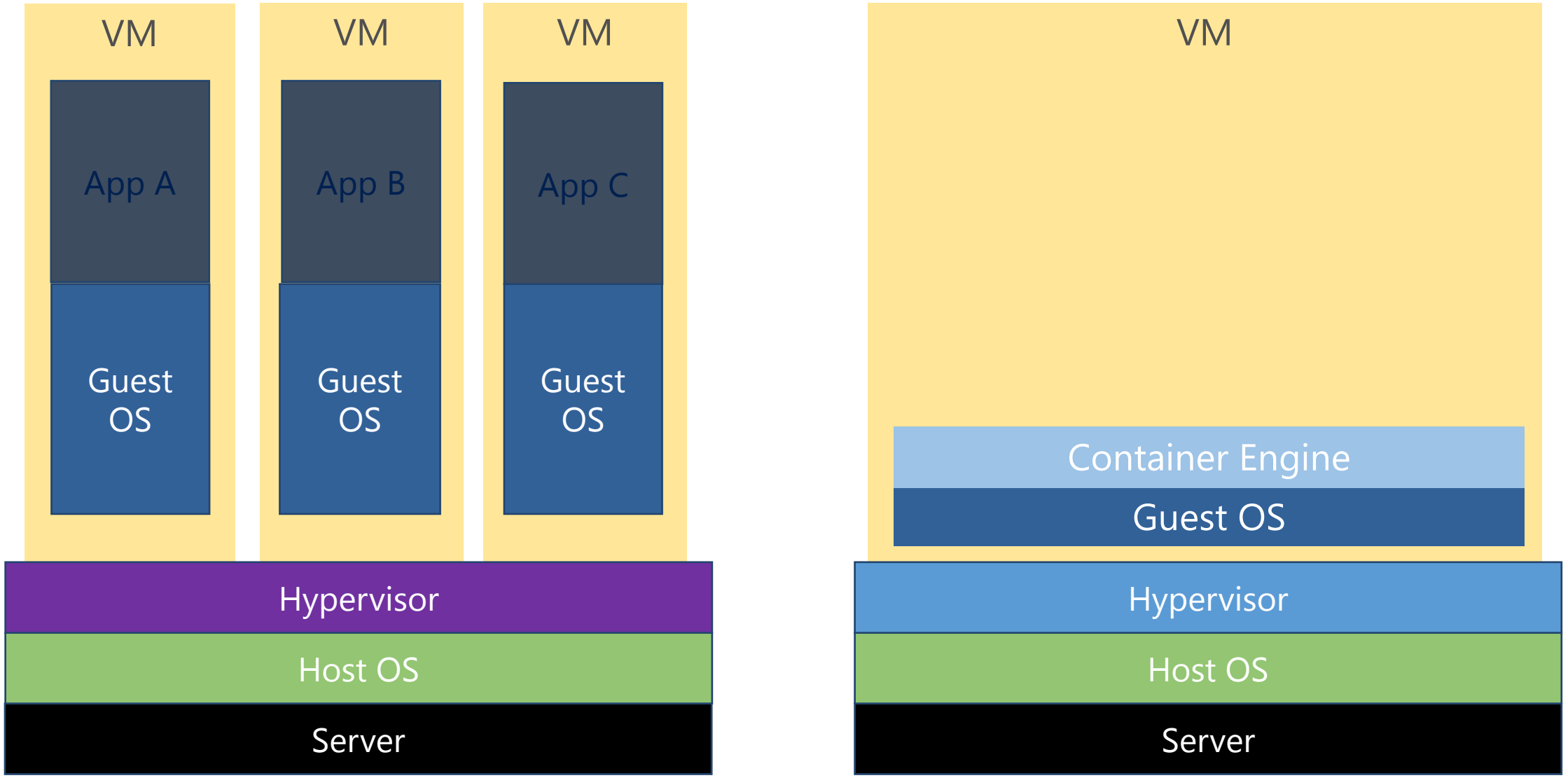

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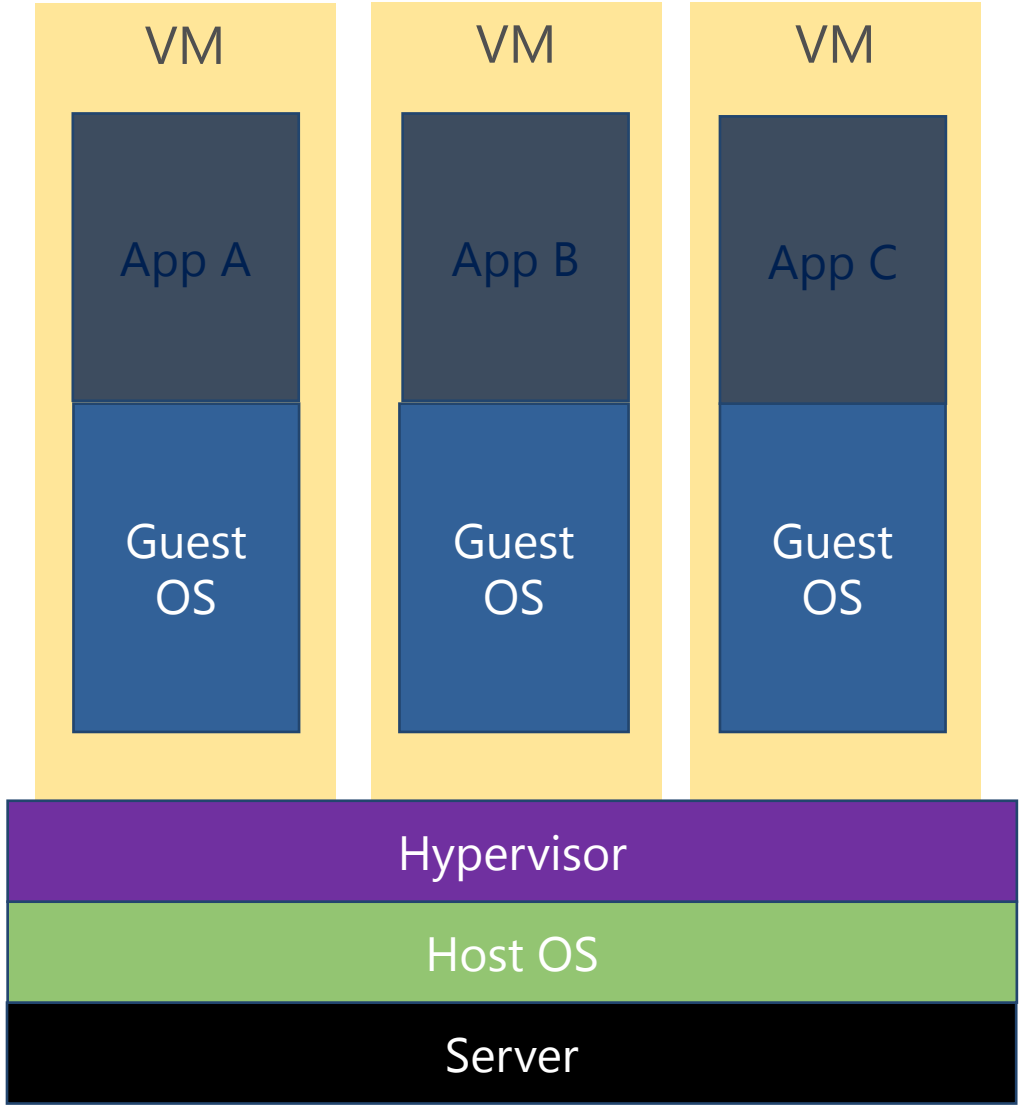

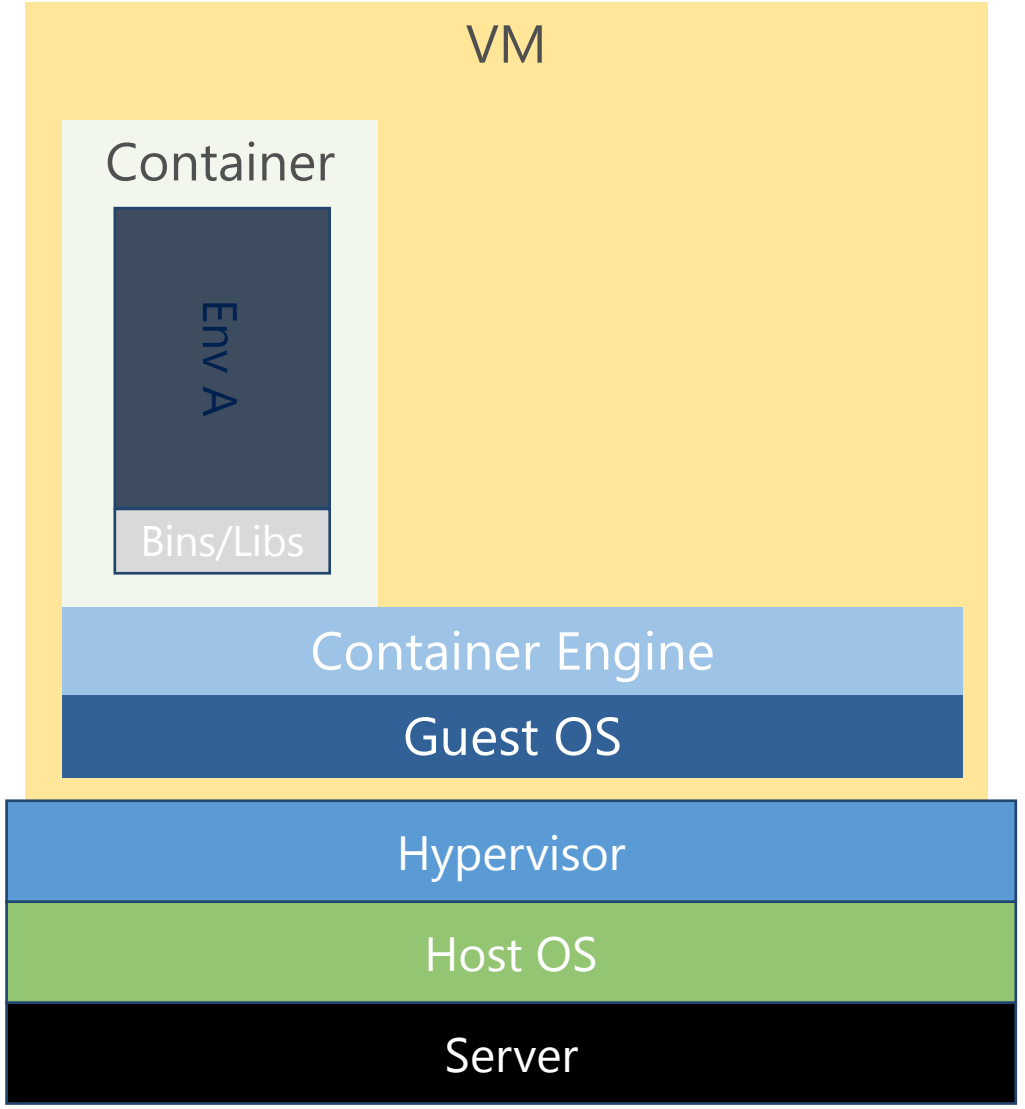

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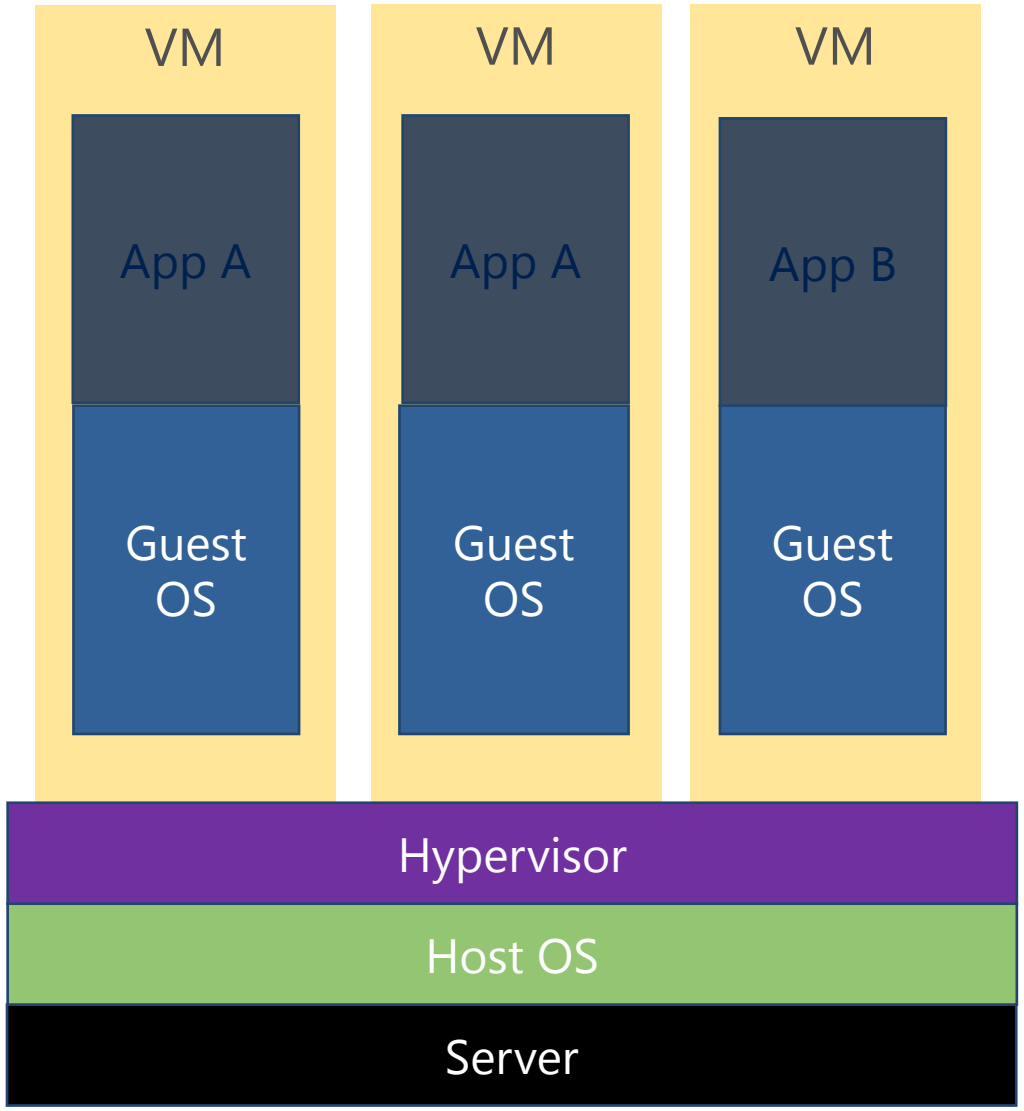

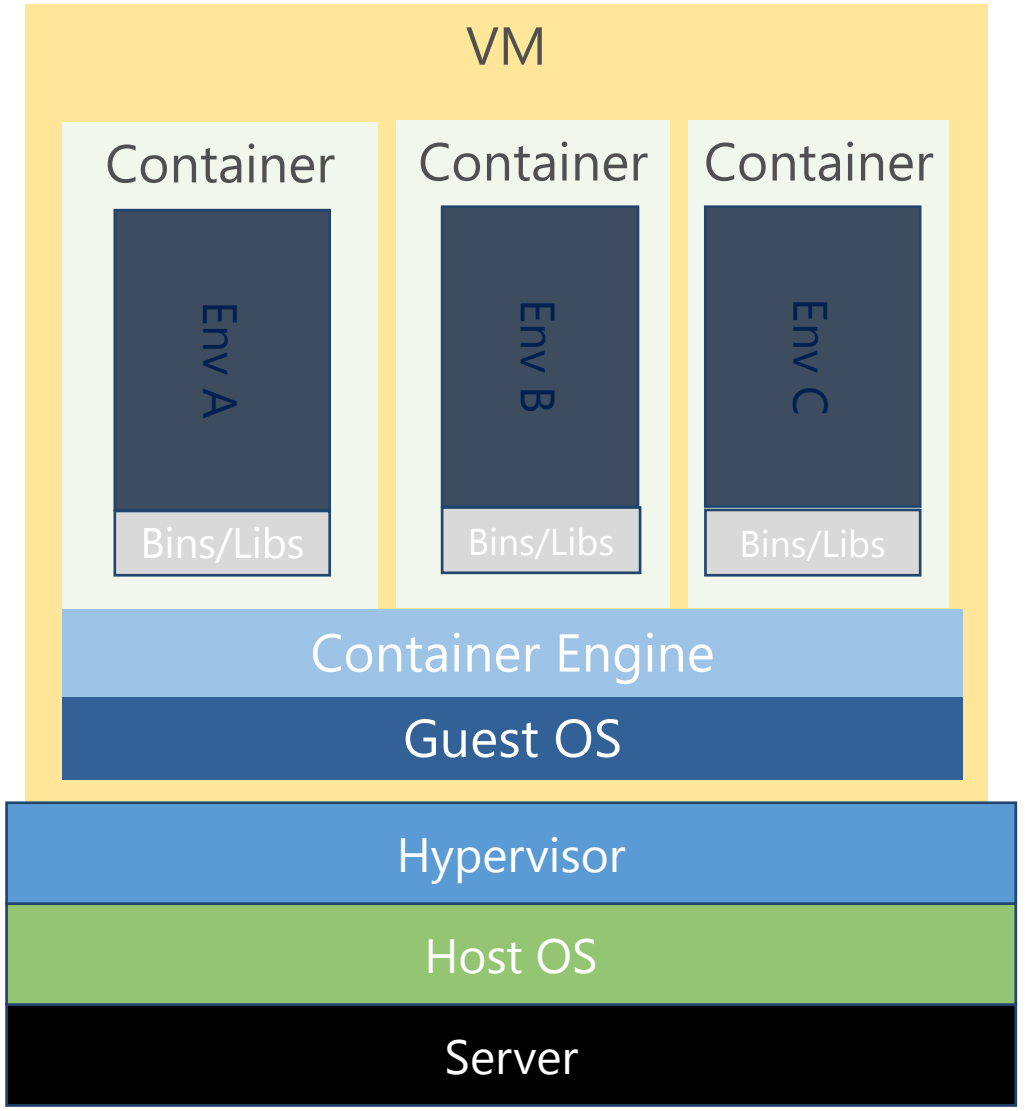

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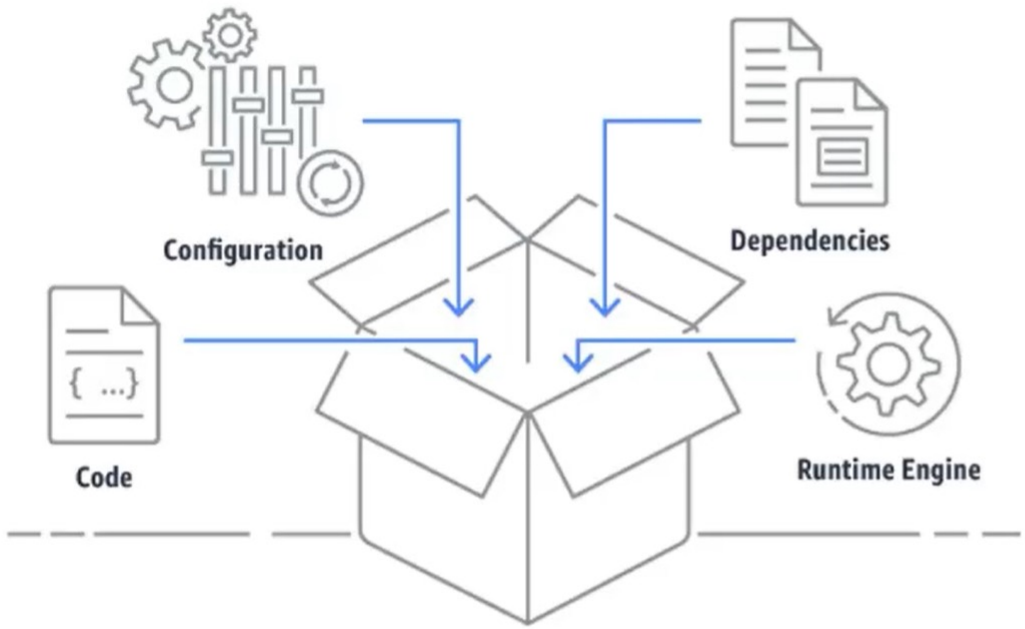


Container solutions provide a standard way to package your application's code, configurations, and dependencies into a single object.

Images

Is what you package your application and its environment into

Registries

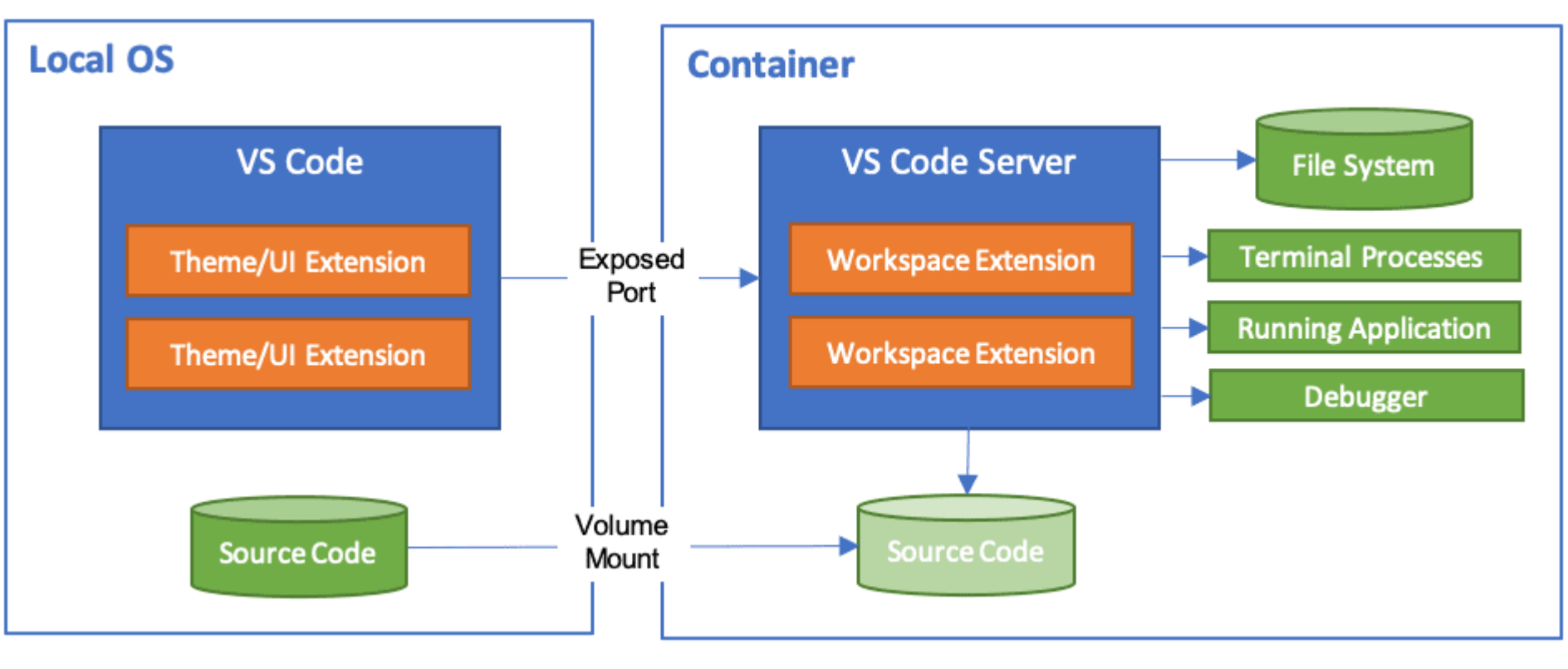
Is a repository that stores your images and allows sharing images between different people and machines

Container

Is a process running on the host running docker, but it is “completely” isolated from the host and other processes.

VS Code extension

- Development containers



Demos

We love Demos!

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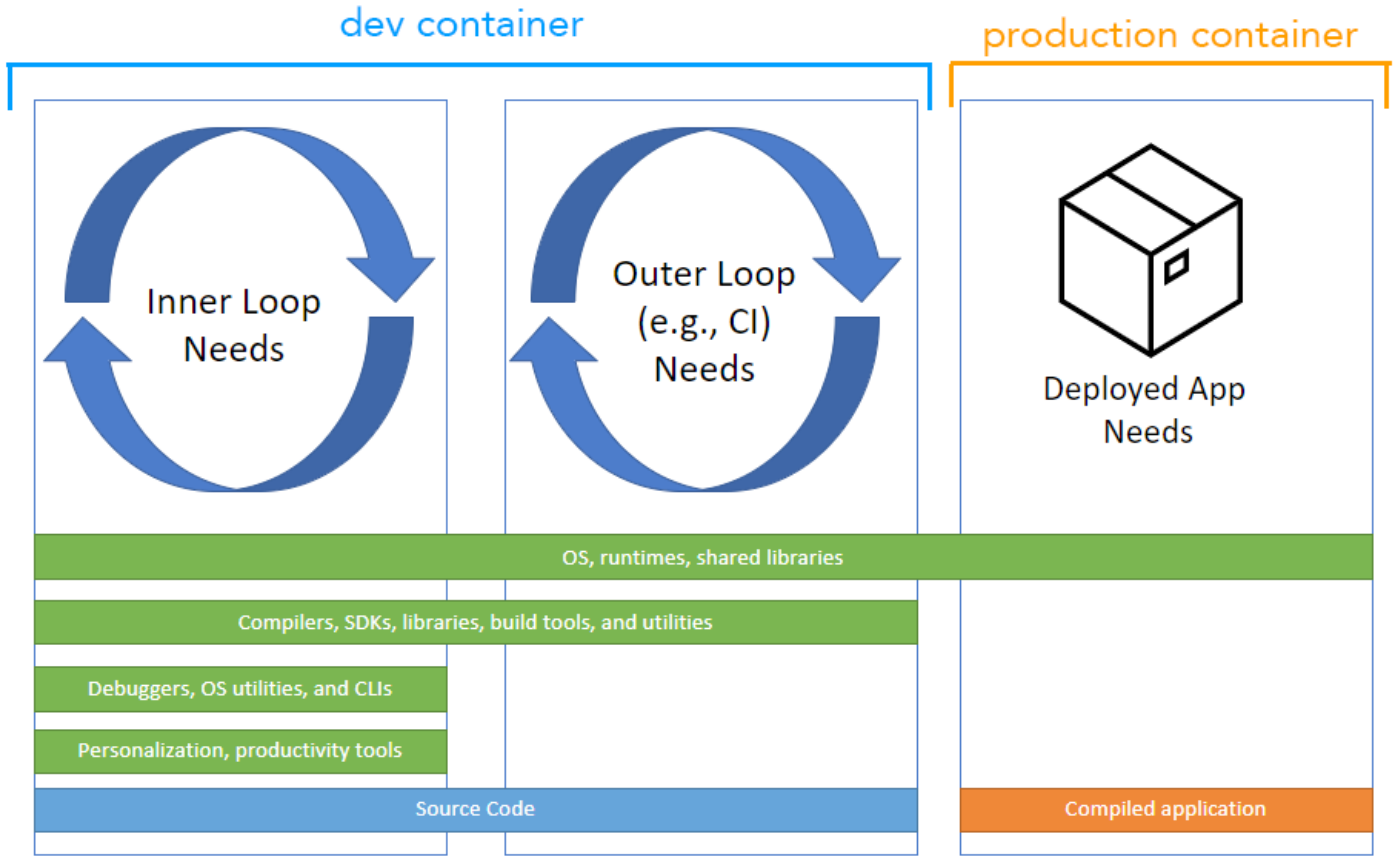
Further use cases



- Pre-building dev container images

Resources

- Official documentation
  - Developing inside a Container using Visual Studio Code Remote Development
- Article on dev.to by Jan Egil Ring covering the content of this session
  - How To Get Started with VS Code Development containers - DEV Community 👩‍💻👨‍💻
- Demos and slides
  - github.com/PSConfEU

Q&A

15 minutes

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