

Pivotal

.NET Framework / Windows support on PCF



Platform Engineering

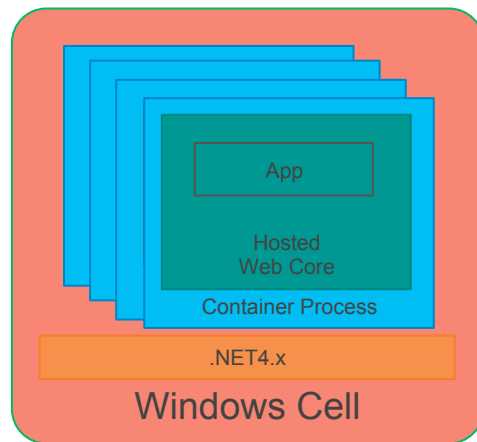
.NET 4.x Support on Cloud Foundry

- Application types
 - ASP.NET - MVC, WebForm, WebAPI, WCF
 - ASP.NET OWIN based apps
 - ASP.NET Core web apps
 - .NET “Background processes”
 - Command line/Console apps
- Push to Windows cell - `stack: windows2012R2`
- Use `binary` build pack (default)

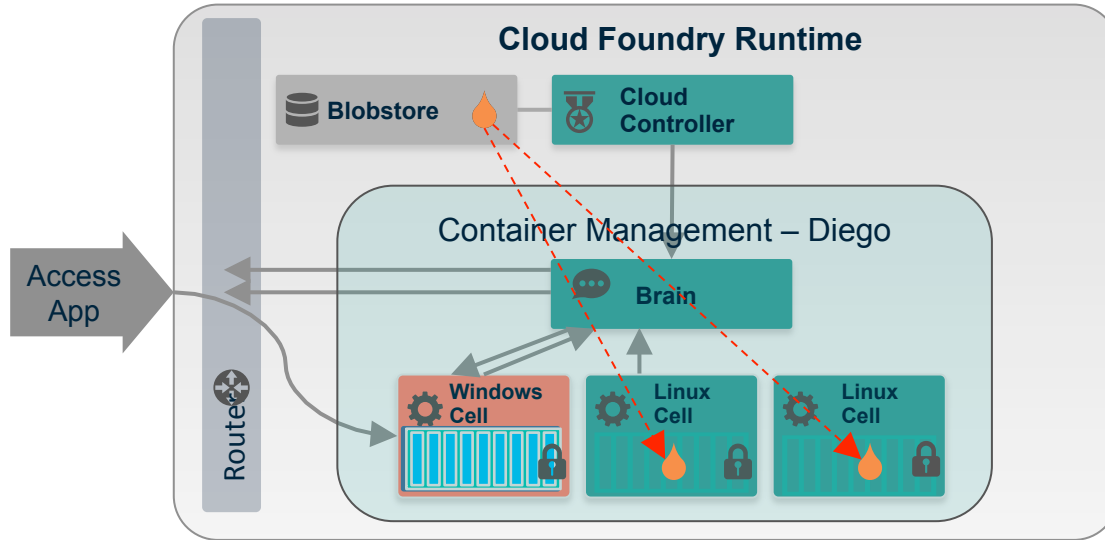
.NET 4.x on Windows Cell

- Container image created
 - Binary buildpack
- Resource isolation
 - Kernel job object
 - Disk quotas
- Namespace isolation
 - User accounts
 - Hosted Web Core
- .NET 4.x shared by all container processes

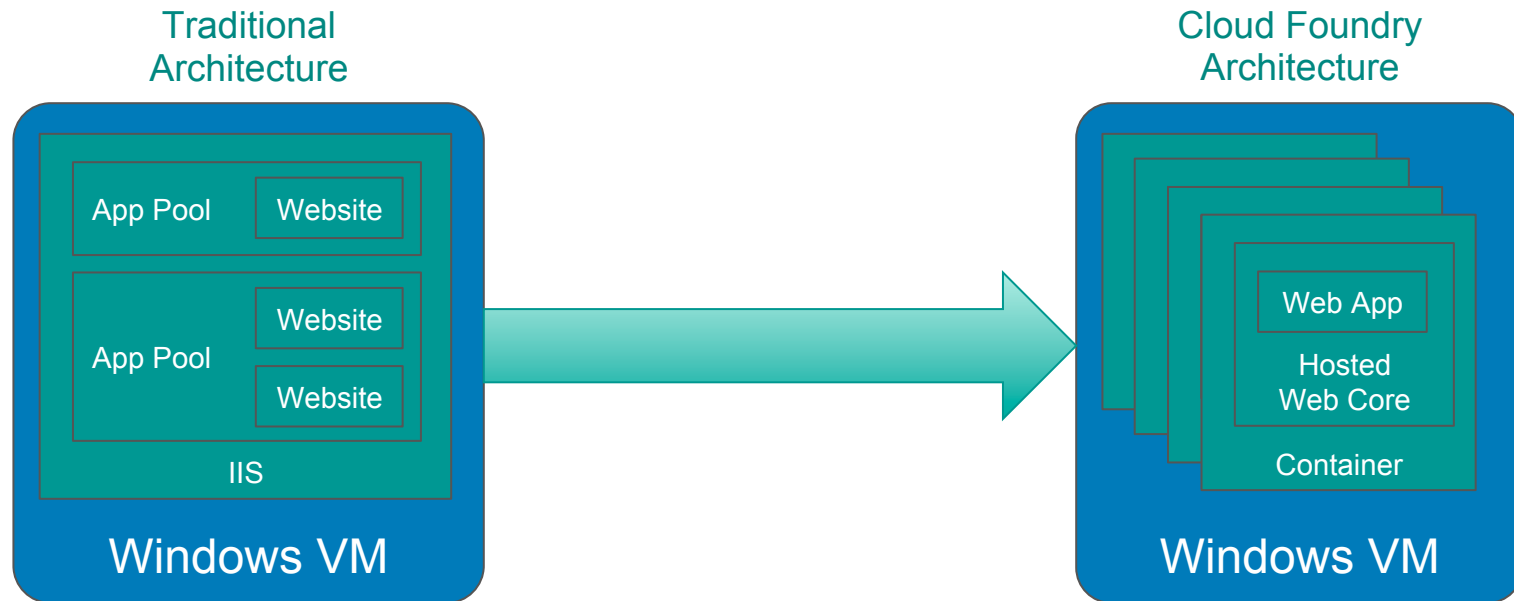
Windows Cell Architecture



Deploying Image to Container



.NET App Evolution

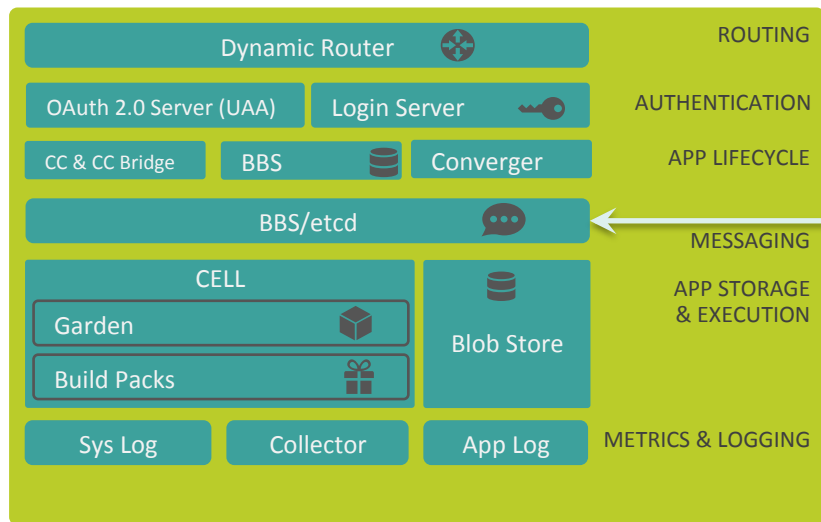


Garden Windows



resource isolation
kernel job object
disk quotas

namespace isolation
user accounts
Host Web Core
(an isolated IIS instance)



Linux Cells on Cloud Foundry

Cloud Foundry Architecture

