Running Containers on Web App for Containers

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Overview

Azure App Service

Web App for Containers use cases

Demo

- Deploying WordPress
- Scaling out
- Continuous deployment

Azure App Service

- Web application hosting platform
- Custom domains & SSL certificates
- Scale up or scale out
- Staging slots
- Manage environment variables
- Rich monitoring experience
- Automated deployment
- IP address whitelisting, AD authentication
- Enabling a CDN

App Service Plan

Can host multiple web apps

Several pricing tiers available
- Basic, Standard, Premium

Supports many platforms
- ASP.NET, Node.js, Java, PHP, Python

Also supports containers
- Windows support currently in preview
- Shares most features available with regular web apps

Why Web App for Containers?

Consistent deployment model

Support more frameworks

Control over framework versions
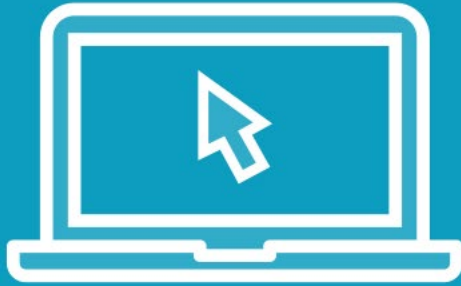
Multi-container support

- Docker-compose or Kubernetes YAML

Sandboxed environment

Trigger deployments from a container registry

Demo

Deploy WordPress to Web App for Containers

- Create an App Service plan
- Create an Azure MySQL database
- Create an Azure web app
- Deploy a WordPress container from Docker Hub

Demo

Configuring continuous delivery

- Create a web app using an ACR hosted image

- Create a staging slot

- Configure a push webhook for ACR

- Perform a slot swap

Summary

Azure App Service

- Ideal for hosting web applications
- Can host Linux and Windows containers

Azure CLI

- az appservice plan create
- az webapp create
- az webapp config appsettings set
- az appservice plan update
- az webapp deployment slot create
- az webapp deployment container config
- az webapp deployment slot swap

Up next:
Running Containers on
Azure Service Fabric