

App Innovation

DevOps, Containers and Modern Cloud Apps

Azure Apps & Infra - Microsoft OCP



Agenda and links

<https://aka.ms/appsinfo>

Agenda

DevOps on Azure

- Infrastructure as Code (IaC) - ARM Templates

- Automation on Azure

- Configuration Management

- Azure DevOps

Container Services on Azure

- Azure Kubernetes Service (AKS)

- Azure Container Instance (ACI)

- Azure Red Hat OpenShift (ARO)

- App Service

- Azure Container Registry (ACR)

Agenda

Azure Application Platforms & Architecture Guide

App Service

Azure Functions

Integration Services on Azure

- Logic Apps

- API Management

- Azure Event Grid

- Azure Service Bus

Requirements

Computer (Laptop)

Azure Subscription

Visual Studio 2017 Community or better

or

Virtual Machine in Azure created as in below link <https://aka.ms/pcready>

Resources

Hands on Lab –1

Lab - MCW – Cloud Native Apps (Containers and DevOps)

<https://github.com/microsoft/MCW-Containers-and-DevOps>

Exercises:

Docker Getting Started

<https://aka.ms/dockerlearn>

AKS Getting Started

<https://aka.ms/akslearn>

Kubernetes Learning Path

<https://aka.ms/LearnKubernetes>

Azure DevOps Labs

<https://www.azuredevopslabs.com/>

Resources

Hands on Lab – 2

Lab - MCW – Modern Cloud Apps

<https://github.com/microsoft/MCW-Modern-cloud-apps>

Exercises:

Create an ASP.NET Core web app in Azure

<http://aka.ms/aspnetquickstart>

Deploy a website to Azure with Azure App Service

<https://aka.ms/appservicelearn>

Build an ASP.NET app in Azure with SQL Database

<https://aka.ms/appservicesql>

Microsoft Learn - Create serverless applications

<https://aka.ms/go-serverless>

