

Microsoft Cloud Workshop: Container and DevOps (MS-40501)

Modality: Virtual Classroom

Duration: 1 Day

SATV Value: 1

About this course:

Develop a PoC to provide an Azure Container Service, Linux node, and Docker multi-tenant web application hosting system for medical conferences.

The average income for an MS Azure professional Solutions Developer is \$108,500 per annum.

Course Objective:

Learners will be able to successfully implement Azure Container Service via service discovery, load balancing, and scale. Furthermore,

- Test availability and scale the app
- Build and execute a Docker App
- Migrate to the Azure Container system

Audience:

This online training program is designed for IT professionals and Cloud Architects who have solutions design and infrastructure architecture experience in cloud technology and want to know more about Azure and its services as defined in the ' At Course Completion ' and ' About this Course ' areas. Anyone taking this training should also be trained in other cloud technologies other than MS, fulfill the preconditions of the program, and want to cross-train on Azure.

Prerequisite:

Lab layout presumes 300-level architectural skills of solutions design and infrastructure.

Suggested Prerequisite:

- Azure-Fundamentals

Course Outline:

Module 1: Whiteboard Design Session - Containers and DevOps

Lessons

- Review the customer case study
- Call to action: Design a proof of concept solution
- Call to action: Present the solution

Module 2: Hackathon - Containers and DevOps

?Lessons

- Before the Hackathon
- Environment setup
- Create and run a Docker application
- Deploy the solution to Azure Container Service
- Scale the application and test HA
- Setup load balancing and service discovery
- Cleanup