

IBM z/OS Container Extensions zCX - ESX0G

Course Summary

Description

z/OS Container Extensions (zCX), a new entitled capability of z/OS 2.4, ushers in a new era of hybrid computing supporting running Linux applications directly on z/OS.

IBM® z/OS® Container Extensions (IBM zCX) makes it possible to run Linux on IBM Z® applications that are packaged as Docker container images on z/OS. Application developers can develop and data centers can operate popular open source packages, Linux applications, IBM software, and third-party software together with z/OS applications and data.

Topics

- Describe the components of z/OS Container Extensions (zCX)
- Plan the resources required to setup zCX
- Configure and implement a zCX instance with z/OSMF workflow
- Start and connect to your zCX instance
- Access your zCX CLI Container and issue Docker commands
- Provision and deploy application container using zCX docker CLI
- Create Docker volumes for data persistence
- Monitor and manage your zCX instance and your containers
- Deploy some use-case applications in zCX containers
- Understand the Security considerations for zCX and containers
- Setup zCX user management and authentication
- Implement clustering and orchestration of zCX instances and container
- Understand how to Dockerize your Applications for z/OS Container Extensions
- Implement a zCX private secure registry to deploy your own containers
- Position zCX in the world of Hybrid Cloud
- Select workloads for zCX
- Determine which application is a good fit for zCX
- Describe some zCX use-cases

Audience

This class is intended for z/OS system programmers and IT specialists in charge of configuring, implementing and deploying zCX under z/OS 2.4- This class is also intended for Application developers who will deploy docker containers in a zCX z/OS container extensions instance

Prerequisites

General z/OS knowledge, including basic UNIX System Services skills- Basic knowledge of RACF- Basic knowledge of z/OSMF and workflows TBD.

Duration

Two days