Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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IBM z/OS Container Extensions zCX

CODE:	LENGTH:	PRICE:
ESX0	16 Hours (2 days)	£1,300.00

Description

- z/OS Container Extensions (zCX), a new entitled capability of z/OS 2.4, ushers in a new era ofhybrid 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 candevelop and data centers can operate popular open source packages, Linux applications, IBMsoftware, and third-party software together with z/OS applications and data.

Objectives

- 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 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 incharge of configuring, implementing and deploying zCX under z/OS 2.4. This class is also intended for Application developers who will deploy dockercontainers 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 workflowsTBD

Programme

In this course we will learn the capabilities and benefits of zCX.

- You will plan, configure and implement a zCX instance with z/OSMF workflows
- You will learn how to use z/OSMF to setup and configure zCX
- Create, provisioning, and deploying a zCX instance
- Use z/OSMF workflows to manage the lifecycle of a zCX instance, deprovision a zCX instance
- Use reconfiguration workflow to increase/decrease resources for zCX instance
- Using zCX Command Line Interface, you will
- Get familiar with the docker CLI
- Explore installing zCX containers within newly provisioned zCX instance
- Provision and deploy application containers using zCX docker CLI commands
- Explore how to cluster zCX applications for higher availability and load balancing
- Operationally control zCX
- Dockerize your Applications for z/OS Container Extensions
- Create Docker volumes for data persistence, monitor and manage your zCX instance and containers
- Implement a zCX private secure registry to deploy your own containers
- Exercises and recorded demos reinforce the concepts and technologies being covered in the lectures.

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.