

z/OS Container Extensions (zCX) Workshop

Overview

IBM® z/OS® Container Extensions (IBM zCX) is a key feature of z/OS which expands and modernizes the z/OS software ecosystem to allow Linux on IBM Z applications capable of running on RedHat OCP or packaged as Docker containers to run directly on the z/OS operating system. This allows for tight integration of these Linux-based applications with z/OS applications. Since these new applications reside on z/OS, they can implicitly take advantage and leverage z/OS Qualities of Service such as availability, disaster recovery, WLM, security, and scalability. It also enables this new set of applications to be managed using standard z/OS operational controls. This workshop will demonstrate the business value of utilizing zCX as well bringing a user through a journey of setting up zCX, installing applications within zCX, operationally controlling zCX, and defining use cases for client usage of zCX.



Target Audience

- IBM Z clients who are interested in improving performance, qualities of service and management of their Linux applications which have tight synergy to z/OS and optionally leveraging an industry-standard, enterprise-grade container orchestration technology and management platform for containerized Linux application deployment

Why Use This Service?

- Are you interested in improving the performance of a z/OS / Linux hybrid application?
- Is the complexity of managing both z/OS and Linux applications for your hybrid application overly complex or not provide the enterprise functionality expected?
- Would you like to explore transparently adding z/OS qualities of service to your Linux applications?
- Would you like to have the ability to run Linux apps on IBM Z without the need to install a dedicated Linux LPAR?

Benefits

- Provides a solution for Linux applications in direct support of z/OS workloads to take advantage of co-location with z/OS apps to provide better qualities of service, performance and operational control.
- Provides open, enterprise-grade cloud native tools and hybrid cloud architecture components directly on z/OS

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Service Provided

This workshop will ensure that you have the architecture, practices, and hands-on experience to successfully begin your zCX journey.

- Discover zCX technology and client value
- Advise on planning steps required to enable zCX
- Illustrate the zCX technology through real world use case demonstrations and showcases
- Apply workshop discovery to real life through interactive hands-on experience
- Demonstrate high availability configuration and load balancing of zCX through clustering technology using Kubernetes functionality in Red Hat OCP or using Docker Swarm
- Advise on how to operationally control zCX
- Demonstrate how to easily integrate zCX apps into your DevOps pipeline
- Define zCX Use Cases

Optional

- Confirm use case functional requirements and outcomes
- Design client solution functional architecture and configuration
- Develop practical implementation plan

Deliverables

- Advice on best practices using zCX
- Skills enablement for zCX
- Identify possible use cases for client environment
- Recommendations for initial zCX adoption

Contacts

Contact us at swarren@us.ibm.com to schedule your zCX workshop today!