Transcript, zCX Overview video

0:03 Hello, I'm Gary Puchkoff. And I'm Allison Moshier.

0:08 We're going to talk about how you can run Linux applications directly on z/OS®, using zCX, or z/OS Container Extensions.

0:18 We'll provide a high level overview of zCX and demonstrate some common use cases.

0:24 z/OS doesn't exist independently -- It's part of your total IT infrastructure.

0:29 If you have Linux servers that access z/OS, those servers are great candidates for running or moving Linux workloads into z/OS, closer to the data and z/OS services.

0:40 zCX provides the ability to run Linux on Z software directly in z/OS without modifications.

0:48 This includes open-source, IBM®, and vendor software, and even client-written applications.

0:55 With zCX, Linux on Z® software enjoys the operational characteristics of z/OS, including scalability, high availability, integrated disaster recovery with GDPS, workload manager and integration with z/OS pervasive encryption.

1:11 System programmers can extend the operational scope to include Linux on Z applications with their existing z/OS applications.

1:20 Application developers can develop and deploy applications using industry-standard Linux tooling and skills, with little or no z/OS skills or knowledge required.

1:31 With zCX, you can run standard OCI-compliant (that's Open Container Initiative) containers on your z/OS systems.

1:40 A container is a software package that includes an application and everything it needs to run, such as runtimes, libraries, and other dependencies.

1:50 There are literally millions of these images available on the internet today.

1:55 To obtain an image from a trusted location, check out the IBM Z and LinuxONE Container Registry.

2:02 z/OS application images are the same, identical binary copies of the Linux on Z or S390x applications.

2:12 No porting is required. zCX uses the z/OS Management Facility, or z/OSMF, to provision and deprovision the zCX servers through workflows.

2:24 Once the server is provisioned, an application developer can develop and deploy applications using the Docker command line interface and standard Linux tooling and skills.

2:36 A common use case, Service Management Unite, is a browser-based interface for z/OS management.

2:44 Using SMU with zCX is as easy as SSH-ing into the system and having the user interface come up.

2:53 There are many more use cases for zCX, including, but not limited to, MongoDB, Kafka, IBM MQ Client Concentrator, IBM App Connect Enterprise and IBM Z Workload Scheduler.

3:07 System programmers install, configure, and maintain zCX using a simple browser-based user interface.

3:15 To explore zCX further, go to the content solution page, which is a one-stop shop for everything zCX.

3:23 You can also read a report to learn about the performance benefits of zCX on System Z compared to x86.

3:32 Additionally, you'll find information about how to get started, FAQs, videos, use cases, and more.

3:39 Check it out and get started with zCX today.