

z/OS 3.2 IBM Education Assistant

Solution Name(s): New Linux Appliance for zCX CHF, ElasticSearch and zCX

Solution Element(s): zCX

July 2025



Agenda

- Trademarks
- Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Upgrade & Coexistence Considerations
- Installation & Configuration
- Summary
- Appendix

Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.
- Additional Trademarks:
 - None

Objectives

- zCX for Containers Linux currency
 - Docker
 - Security vulnerabilities
- Enable deployment of Elasticsearch or OpenSearch container images
 - Update Linux guest configuration

Overview

- Who (Audience)
 - zCX for Containers clients
 - zCX for Containers clients wanting to deploy ElasticSearch or OpenSearch container images
- What (Solution)
 - Update to Docker 27.1.1
 - Linux guest security vulnerabilities fixes
 - Update Linux configuration to support ElasticSearch or OpenSearch containers
- Wow (Benefit / Value, Need Addressed)
 - Linux base currency
 - Enable ElasticSearch or OpenSearch container deployments

Usage & Invocation

- For each existing zCX for Containers instance that has not yet been upgraded from version 1.26.0 to version 2.0.0
 - Run the zCX upgrade.xml z/OSMF workflow against the zCX for Containers instance
 - Restart the zCX for Containers instance to complete the upgrade processing

Interactions & Dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None
- Exploiters
 - zCX for Containers clients

Upgrade & Coexistence Considerations

- To exploit this solution, all systems in the Plex must be at the new z/OS level: No
- All existing zCX for Containers instances **MUST** be at version 1.26.0 and have successfully completed the required user data migration before upgrading the system to z/OS 3.2.
 - APARs OA66521, OA65991, OA65770
 - you **MUST** complete this step for all existing zCX for Containers instances before applying the zCX 2.0.0 APARs noted below.
- Once all zCX for Containers instances are at version 1.26.0, it is recommended that all existing zCX instances be upgraded to version 2.0.0 before upgrading the system to z/OS 3.2.
 - zCX 2.0.0 APARs OA66764, OA66765, OA66026, OA66884

Installation & Configuration

- None

Summary

- zCX for Containers Linux currency
- Enable deployment of Elasticsearch or OpenSearch container images

Appendix

- zCX User's Guide online
 - <https://www.ibm.com/docs/en/zos/3.1.0?topic=collections-zos-container-extensions>