

# z/OS 3.1 IBM Education Assistant

Solution Name: Architecture Level Set

Solution Element(s): MVS

July 2023



# Agenda

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- Trademarks
- Objectives
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# Trademarks

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

# Objectives

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- Describe the Architecture Level Set (ALS) for z/OS 3.1.

# Overview

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- Who
  - All customers, all programmers
- What
  - Architecture Level Set to z14 functions
- Wow
  - z/OS 3.1 requires a machine with at least z14 functionality in order to IPL

# Usage & Invocation

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- z/OS 3.1 requires the following functions (available on z14 and newer machines, and zPDT)
  - Entropy-Encoding-Compression facility
  - Miscellaneous-Instruction-Extensions facility 2
  - Instruction-Execution-Protection facility
  - Vector BCD Instructions facility
  - Vector Enhancements facility 1
- Wait state 07B if you do not meet the requirement
  - Reason x'23' is new, indicating that you do meet the ALS requirements for z/OS 2.5 but **not** for z/OS 3.1
- Programs may rely on those facilities being available

# Interactions & Dependencies

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- Software Dependencies
  - None
- Hardware Dependencies
  - See Usage & Invocation
- Exploiters
  - None

# Upgrade & Coexistence Considerations

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- To exploit this solution, all systems in the Plex must be at the new z/OS level: No
- No upgrade/coexistence concerns
- No toleration/coexistence APARs/PTFs



# Installation & Configuration

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- No unique considerations

# Summary

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- z/OS 3.1 requires z14 functions

# Appendix

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- z/OS Planning for Installation (Identifying Server Requirements)
- z/OS MVS System Codes (wait state code 07B-23)