

IBM Education Assistance for z/OS V2R3

Architecture Level Set
Element/Component: IPLNIP

Agenda

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- Usage & Invocation
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- Migration & Coexistence Considerations
- Installation
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Trademarks

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

Session Objectives

- **Describe the Architecture Level Set for z/OS 2.3**

Overview

- **Problem Statement / Need Addressed**
 - **Problem: N/A**
- **Solution**
 - **Z/OS 2.3 requires a machine with zEC12 functionality (could be enterprise-class or business-class).**
- **Benefit / Value**
 - **N/A**

Details

- **If IPL on machine older than one with zEC12 capabilities, 07B-20 wait state**
- **z196 / zEC12 facilities that an application may rely on being available when running on z/OS 2.3:**
 - **Miscellaneous Instruction Extension facility**
 - **Decimal Floating Point Zone Conversion facility**
 - **Interlocked Access facility 2**
 - **Floating Point Extension facility**
 - **Distinct Operands facility**
 - **Access-Exception Fetch-Store Indication facility**
 - **Transactional Execution facility (only when not running z/OS on z/VM)**
- **For more information about these facilities, check out the Principles of Operation**

Interactions & Dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None.
- Exploiters
 - N/A

Migration & Coexistence Considerations

- Migration requirements for moving from machine to machine are beyond the scope of this presentation.

Installation

- No unique considerations

Session Summary

- z/OS 2.3 requires a zEC12-capable machine

Appendix

Publications:

- z/Architecture Principles of Operation
- System Codes (for the wait state)