

z/OS 2.4 IBM Education Assistance

Solution Name:

Infoprint Central enhancements (Increase PSF classes, Predictable JVM UID for WLM)

Infoprint Server: Make Dynamic Configuration Mandatory

Element/Component: Infoprint Server/ Infoprint Central



Agenda

- Trademarks
- Session Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Migration & Coexistence Considerations
- Session Summary
- Appendix

Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.
- Additional Trademarks:
 - If you need to list any that aren't included on the website above, please do so here. If not, remove the text in this bullet and just say “None”.

Session Objectives

- This session is designed to provide you with information about new functions being added by Infoprint Server in release V2R4. They are:
 - Allow customers using Infoprint Central to specify up to 36 classes when obtaining a list of printers.
 - Allow the Infoprint Central JVM to have a predictable UID to make it easier for WLM to identify.
 - Starting with V2R4 Infoprint Server always runs with Dynamic Configuration enabled.

Overview

- Who
 - Customers using the Infoprint Central GUI to list printers/output will have added flexibility in z/OS 2.4.
- What
 - Infoprint Central has been enhanced to:
 - Add additional classes to be used to list PSF printers.
 - Configure a predictable UID for the Infoprint Central JVM.
- Wow / Value, Need Addressed)
 - The number of classes used to list printers has increased from 8 to 36 for PSF or AFP Download Plus printer work selection criteria.
 - A predictable UID can allow a customer to customize the priority of resource dedicated to the Infoprint Central JVM.

Usage & Invocation

- In the Infoprint Central GUI, the PSF Properties page Selection tab, the AFP Download Plus Properties page Selection tab, and the Change Work Selection Printer dialog have been changed to allow the customer to specify up to 36 classes.
- To change Infoprint Central to use the JVM UID, go to the Infoprint Server System Configuration ISPF panel (12.8.8) and under Infoprint Central header select 'Use Apache HTTP server user ID'. The next time the IBM HTTP Server is restarted, the JVM user id should be set to the user ID that started the JVM.

Usage & Invocation

Additional Infoprint Central Security Item:

- Health check ZOSMIGV2R3_NEXT_INFOPRINT_IPCSSL has been provided that will examine if Infoprint Central is started without Secure Socket Layer(SSL) configuration enabled, if not it will recommend enabling SSL configuration for secure connection.
- Starting In V2R4, Infoprint Central by default will require SSL configuration enabled. IBM strongly recommends customers enable SSL configuration.
- Health check INFOPRINT_CENTRAL_SECURE_MODE has been provided to check if Infoprint Central is started with SSL configuration enabled. If not, it will recommend enabling SSL configuration.

Overview

- Who
 - Infoprint Server customers upgrading to z/OS 2.4.
- What
 - Infoprint Server Dynamic Configuration is required.
- Wow / Value, Need Addressed)
 - When changes are made to configuration attributes, Infoprint Server must be stopped and restarted before the configuration changes become active. Dynamic Configuration was initially provided in z/OS 2.1 to allow changing of configuration attributes without requiring a restart of Infoprint Server. This is mandatory starting with z/OS 2.4.

Usage & Invocation

- In previous releases, Dynamic Configuration was enabled by setting 'dynamic-configuration = yes' in aopd.conf. In z/OS 2.4, this will be mandatory and not reversible. You can disregard this slide if you already enabled dynamic configuration in a previous release. See the InfoPrint Server Customization publication (SA38-0691) for details on how to enable and the advantages of enabling dynamic configuration. More detail can be found in the Notes page.
- Health check ZOSMIGV2R3_NEXT_INFOPRINT_DYNCFG has been provided that will examine if Infoprint Server is running with Dynamic Configuration enabled, if not it will recommend enabling dynamic configuration to prepare for migration to release V2R4.

Interactions & Dependencies

- To exploit this item, all systems in the Plex must be at the new z/OS level: No
- Software Dependencies
 - None
- Hardware Dependencies
 - None
- Exploiters
 - None

Migration & Coexistence Considerations

- As noted on previous slides, Dynamic Configuration for Infoprint Server is mandatory when upgrading to z/OS 2.4.

Session Summary

- This session has provided you information about new functions added by Infoprint Server:
 - Allow customers using Infoprint Central to specify 36 classes when obtaining a list of printers.
 - The Infoprint Central JVM will have a predictable UID to make it easier for WLM to identify.
 - Infoprint Server Dynamic-Configuration is now mandatory in 2.4.

Appendix

- For detailed description and use of the new function described please review the following publications:
- *z/OS Infoprint Server Introduction Version 2 Release 4*
- *z/OS Infoprint Server User's Guide Version 2 Release 4*
- *z/OS Infoprint Server Customization Version 2 Release 4*
- *z/OS Infoprint Server Messages and Diagnosis Version 2 Release 4*
- *z/OS Infoprint Server Operations and Administration Version 2 Release 4*