

z/OS 3.1 IBM Education Assistant

Solution Name: z/OS 3.1 Upgrade Workflow

Solution Element(s): z/OS Install (BCP component SYBLD)

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Agenda

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Trademarks

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

Objectives

- The z/OS 3.1 Upgrade Workflow provides the steps for upgrading to z/OS 3.1 from a z/OS 2.5 or z/OS 2.4 system. With the workflow, you perform the upgrade as an interactive, step-by-step process.
- The z/OS 3.1 Upgrade Workflow is significantly enhanced from earlier releases:
 - Runs the SMP/E MISSINGFIX report using the IBM.Coexistence.z/OS.3.1 FIXCAT directly from the workflow to determine whether any FIXCAT APARs exist that are applicable and have not yet been installed.
 - Discovers which upgrade-related APARs are installed, then automatically skip steps for which no actions are required if a given APAR is installed. With this enhancement, up to 22 steps can be skipped during the upgrade to 3.1.
 - Workflow steps are now sequenced in the order in which they must be performed, rather than grouped by z/OS element. This enhancement -- based on your feedback -- makes it easier for you to track your progress at each stage of the upgrade:
 - Before installing z/OS 3.1
 - Before the first IPL of z/OS 3.1
 - After the first IPL of z/OS 3.1

Overview

- Who (Audience)
 - z/OS system installers and system programmers
- What (Solution)
 - A z/OSMF workflow that provides the steps for upgrading a z/OS 2.4 or z/OS 2.5 system to z/OS 3.1.
- Wow (Benefit / Value, Need Addressed)
 - The z/OS 3.1 Upgrade Workflow:
 - Guides the installer through the system upgrade, using an easy-to-follow series of interactive steps.
 - Provides a reliable way to track the progress of a z/OS upgrade.
 - Helps to ensure that the steps are performed in the correct order, and that each upgrade action's prerequisites and dependencies are satisfied.
 - Provides clear instructions for each step in an easy-to-follow format.
 - Replaces a 400-page documented process.

Usage & Invocation

- The z/OS 3.1 Upgrade Workflow is:
 - Needed for upgrading your z/OS V2.5 or z/OS 2.4 system to z/OS 3.1.
 - Provided in APAR OA63269, which is available for z/OS V2R4, z/OS V2.5, and z/OS 3.1. This APAR will be marked with fix category **IBM.Coexistence.z/OS.3.1**.
 - Periodic refreshes will be done, so keep an eye on that same FIXCAT.
 - You can save your progress in a partially completed Workflow, by using “Create new based on existing”.

Interactions & Dependencies

- Software Dependencies
 - z/OSMF must be active on the system in which the workflow is used.
- Hardware Dependencies
 - None
- Exploiters
 - z/OS system installers and system programmers.

Upgrade & Coexistence Considerations

Upgrade involves only those actions required to make the new system behave as the old one did. **Coexistence** applies to a lower-level systems which coexist (share resources) with latest z/OS systems.

- To exploit this solution, all systems in the Plex must be at the new z/OS level: No
- List any toleration/coexistence APARs/PTFs. None
- List anything that doesn't work the same anymore: N/A

Installation & Configuration

- List anything that a client needs to be aware of during installation and include **examples** where appropriate - clients appreciate these:
 - Are any APARs or PTFs needed for enablement? **Yes - OA63269**
 - What jobs need to be run? **User must create and run the z/OS 3.1 Upgrade Workflow in z/OSMF**
 - What hardware configuration is required? **No**
 - What PARMLIB statements or members are needed? **No**
 - Are any other system programmer procedures required? **No**
 - Are there any planning considerations? **No**
 - Are any special web deliverables needed? **No**
 - Does installation change any system defaults? **No**

Actions you can perform on your current z/OS release to prepare for functions not supported in z/OS 3.1

- As of z/OS 3.1, IBM z/OS Global Mirror(XRC) is withdrawn
 - New functions to support asynchronous replication technology are intended to be developed only for DS8000 Global Mirror. No new z/OS Global Mirror functions will be provided with DS8900F and z/OS.
- As of z/OS 3.1, Distributed File Manager is withdrawn
 - Base element – DFSMS. If you use DFM to enable remote client, it is recommended to use z/OS NFS instead.
- As of z/OS 3.1, ISFPARMS assembler macros are withdrawn
 - Priced feature – SDSF. Use the ISFPRMxx parmlib member instead. This has been a longtime recommendation.
 - There is a Health Check for this!

Summary

- The z/OS 3.1 Upgrade Workflow helps you upgrade your system to z/OS 3.1.
- With the workflow, you perform the upgrade as an interactive, step-by-step process.
- z/OSMF is required create and run the z/OS 3.1 Upgrade Workflow.