z/OS 3.1 IBM Education Assistant

Solution Name: zMSC New Enhancements 1.3, zMSC New Sample Services 1.3

Solution Element(s): z/OS Management Services Catalog

July 2023



Agenda

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Trademarks

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

Terminology

- **Services** Services help you perform management tasks on a z/OS system. You provide values and information the service needs. When you run the service, it completes the steps automatically. Administrators create services and publish them to the Catalog for other users to run.
- **Sample services** Services created by IBM and included in z/OS Management Services Catalog for customization and use (Create a z/OS file system, Mount a zFS file system, Delete an alias from a catalog, and more).
- Service submissions An instance of a service that runs on a target system.
- Categories Created by Administrators to organize and group services in the Catalog.
- **Target system** The z/OS systems on which a service submission runs. Target systems are enabled by Administrators in Global settings and are obtained from the z/OSMF Systems app.

Objectives

Problem Statement / Need Addressed / User Stories:

- Management Complexity: z/OS management is complex, especially for system programmers who are new to the
 platform. Even routine tasks are manual and involve institutional knowledge and processes that often take years to
 learn.
- Skills Transfer and Fewer Errors: The average years to retirement for mainframe personnel sits at three years and continues to decrease. As new system programmers are onboarded, the learning curve needs to decrease for them to start contributing quickly and with fewer errors.

Solution:

• z/OS Management Services Catalog

Benefit / Value:

- An early tenure Systems Programmer can perform z/OS management tasks by using a modern interface that does not expose them to the complexities of ISPF, command line, operator console, or JCL jobs.
- An experienced Systems Programmer can reduce the complexity of their organization's z/OS management processes so they can transfer their knowledge to the next generation.

Objectives

This solution consists of two initiatives.

Services help users streamline repetitive and frequent tasks as well as complex, infrequent tasks. z/OS Management Services Catalog will provide the following new sample services to help system programmers accomplish their z/OS management tasks:

- New capabilities for z/OS Management Services Catalog 1.3
 - > Service creation enhancements
- New Sample Services for z/OS Management Services Catalog 1.3
 - Remove Expired Certificates from RACF Keyring
 - ➤ Add load library to LNKLST

Objectives

The new capabilities include:

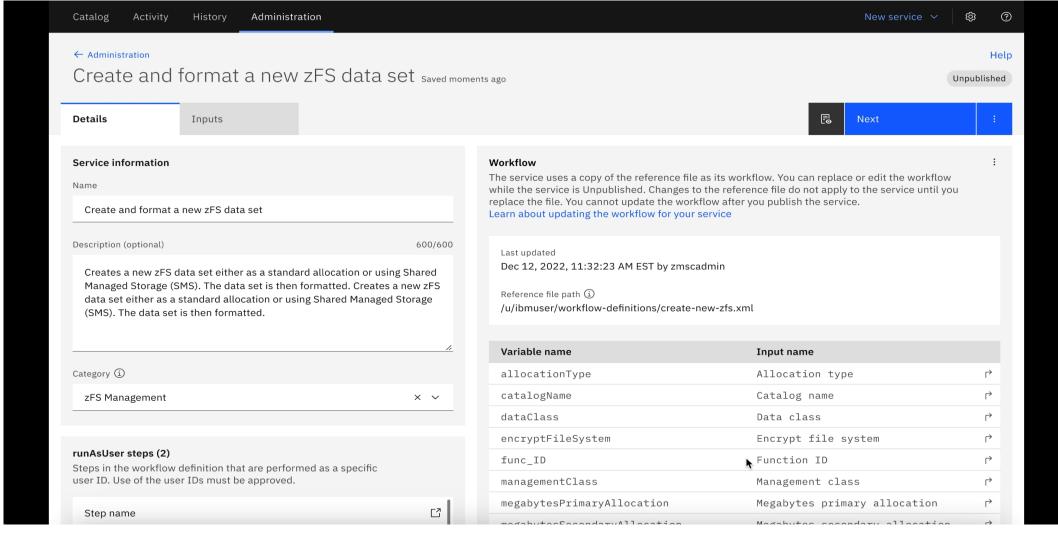
Service creation enhancements

- ➤ Enable users to update the Workflow definition file after starting to build a service so that they can avoid wasted time on revisions
- Redesign flow/interaction for duplicating a service submission
- Support identifying inputs that should be hidden when running the service and hide these pre-identified set of inputs when running the service
- > Support inconsequential changes to published services
 - Allow users to make inconsequential changes to a published service such as changing the service description, category assignment, page descriptions, helper text, etc. without having to archive and re-create/publish the service. This only includes changes that don't affect the service/workflow processing.

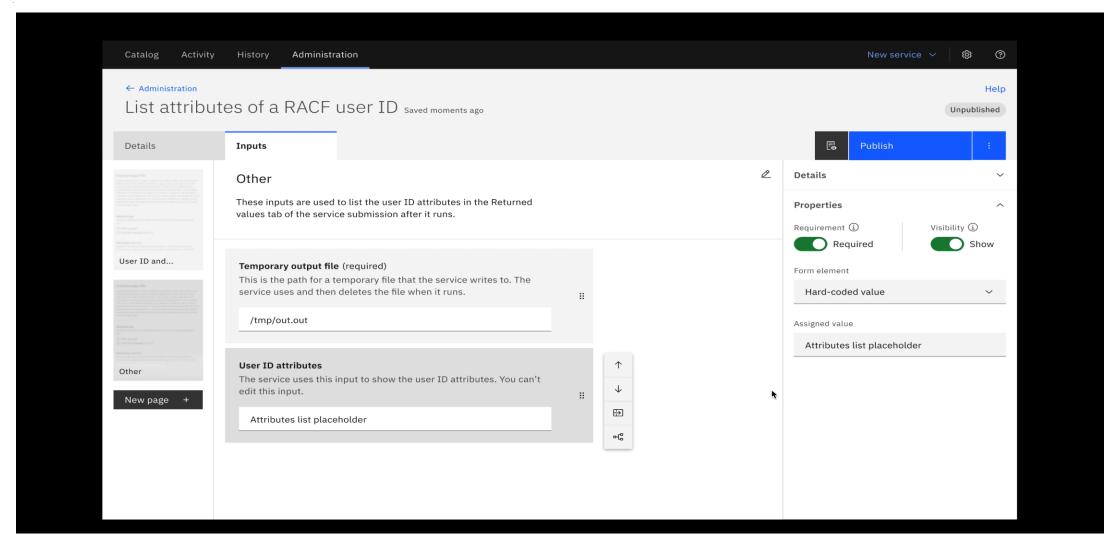
Overview

- Who (Audience)
 - Seasoned System Programmers and Early tenure System Programmers
- What (Solution)
 - z/OS Management Services Catalog is designed to transform how z/OS systems programmers manage their z/OS environments. With the ability to translate z/OS management processes into modern services based on workflows, system programmers can independently complete tasks simply and with fewer errors. zMSC will provide a number of new enhancements which will allow greater flexibility in performing z/OS tasks. z/OS Management services will provide new sample services in addition to existing ones.
- Wow (Benefit / Value, Need Addressed)
 - Enable users to update the Workflow definition file after starting to build a service so that they can avoid wasted time on revisions
 - Redesign flow/interaction for duplicating a service submission
 - Support identifying inputs that should be hidden when running the service and hide these pre-identified sets of inputs when running the service
 - Support changes to published services. Allow users to make inconsequential changes to a published service such as changing the service description, category assignment, page descriptions, helper text, etc. without having to archive and re-create/publish the service. This only includes changes that don't affect the service/workflow processing.)

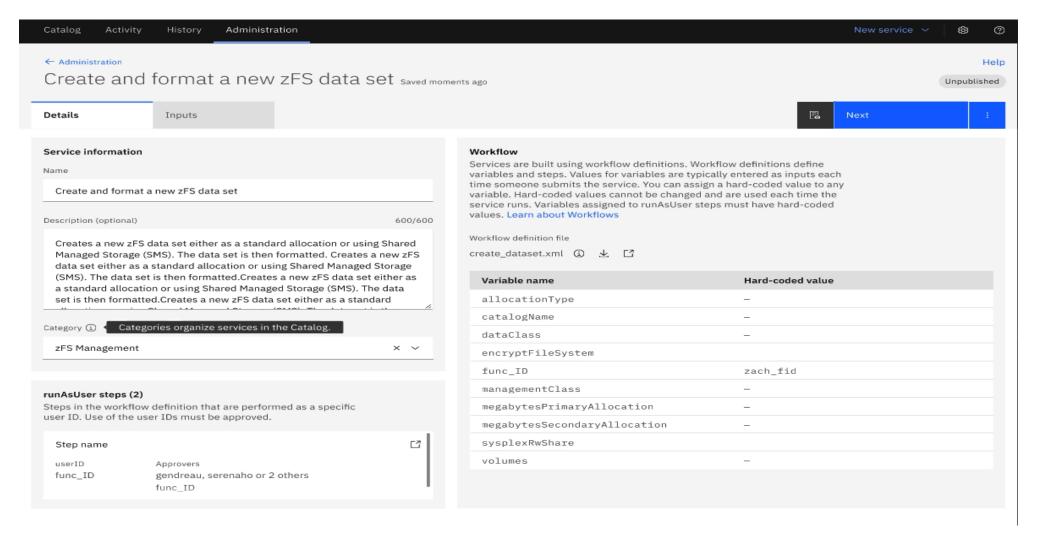
Replace workflow definition files



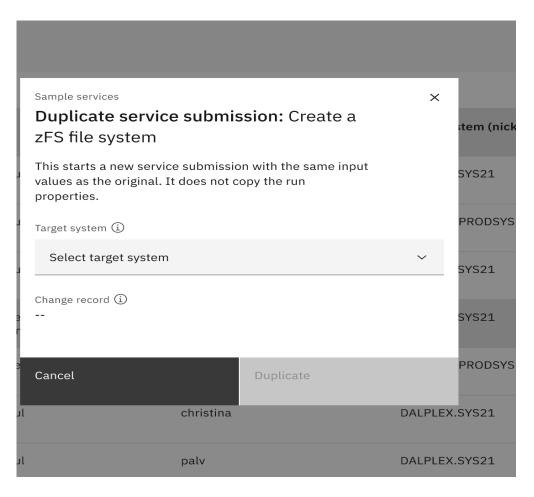
Service Details - Show/Hide inputs while running a service



• Allowing changing service descriptions, input help text, and category for published services.



Redesign Service Submission Duplication flow to remove modal to modal transition of actions.



Interactions & Dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None
- Exploiters
 - None

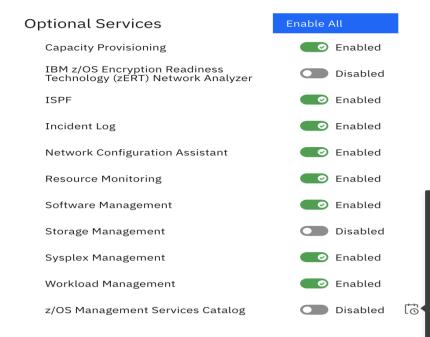
Upgrade & Coexistence Considerations

None

Installation & Configuration

Standard SMP/E installation of the PTF for zMSC 1.3 and the Core,
 Configuration, and Workflow prerequisite PTFs.

- Initialization
 - Optional plug-in must be enabled using z/OSMF General Settings
 - Starts automatically by z/OSMF on subsequent server restarts.
 - Can also be disabled using z/OSMF General Settings
 - Enabling/disabling requires a server restart



To disable this function completely, you must restart the z/OSMF server. Before doing so, verify that the function is not enabled in the IZUPRMxx parmlib member, which causes it to become active again when the z/OSMF server is restarted. For greater flexibility, it is recommended that you only use the z/OSMF General Settings page

Summary

- The following two initiatives for z/OS Management Services Catalog have been discussed:
 - Two new sample services
 - New functionality:
 - Update a Workflow definition file after user starts to build a service
 - Show/hide inputs while running a service
 - Category management enhancements
 - Re-design of duplicating a submission

Appendix

Publications

- IBM z/OS Management Facility Configuration Guide
- IBM z/OS Management Facility Programming Guide
- Content Solutions page: https://www.ibm.com/support/z-content-solutions/management-services/