

# z/OS 3.1 IBM Education Assistant

Solution Name: z/OSMF SCA supports SDSF

Solution Element(s): z/OSMF Security Configuration Assistant

July 2023



# Agenda

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- Overview
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- Interactions & Dependencies
- Upgrade & Coexistence Considerations
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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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- SCA can import security descriptor JSON files from user specified USS directory.
- SCA can bulk add/delete variable profiles with same variable value.

# Overview

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- Who (Audience)
  - security administrator
- What (Solution)
  - z/OSMF SCA UI provides ways to import security descriptor JSON file from specified USS directory.
  - z/OSMF SCA UI provides ways to build add/delete variable profiles with same variable value.
- Wow (Benefit / Value, Need Addressed)
  - z/OSMF UI provides more flexible ways to import JSON file and bulk add/delete variable value.

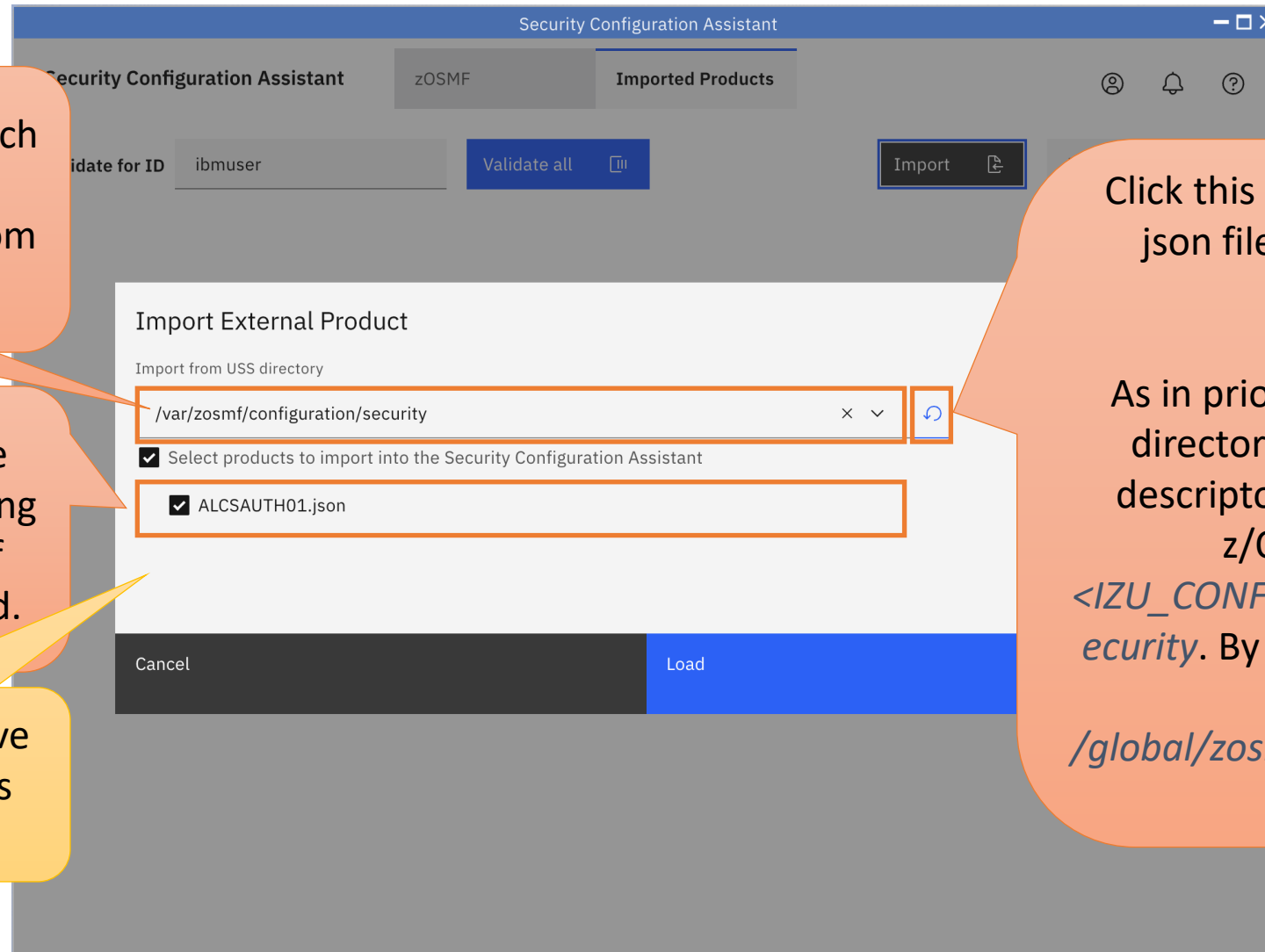
# Usage & Invocation

- Screenshot of UI changes (feature 1: import from USS directory)

User can specify which USS directory to import JSON files from in this combo box.

The list of available json files for importing will be refreshed if directory is changed.

Server ID should have READ access to files and directory.



Click this icon to reset to import json files from SCA's default directory.

As in prior versions, the default directory for loading security descriptor files is the following z/OSMF directory:  
*<IZU\_CONFIG\_DIR>/configuration/security*. By default, this directory is named */global/zosmf/configuration/security*.

# Usage & Invocation

- Screenshot of UI changes (feature 2: bulk add/remove variable values)

Security Configuration Assistant

zOSMFImported Products

Validate for IDibmuserValidate allFilters

Security Configur...NucleusServicesAdvanced Configu...Show started services only

IBM Cloud Provisioning and Management for z/OSAutomatedConfigurableManual

Resources for Server ID	Description	Class	Who needs the access	Required Access	Validated ID	Validation Result	Action
EZB.NETSTAT.<system_name>.<tcp_procedure_name>.VIPADCFG	Allows the z/O...	SERVAUTH	IZUSVR	READ			
EZB.NETWORKUTILS.CLOUD.<system_name>	Allows the z/O...	SERVAUTH	IZUSVR	READ			

Resources for z/OS Console Services (REST Consoles)	Description	Class	Who needs the access	Required Access	Validated ID	Validation Result	Action
MVS.ROUTE.CMD.<system_name>	Allows the zos...	OPERCMDS	<tso_userid> IZUSVR	READ			

When user click 'Add' action to add variable value.

# Usage & Invocation

- Screenshot of UI changes (feature 2: bulk add/remove variable values)

Security Configuration Assistant

zOSMF Imported Products

Validate for ID ibmuser Validate all

Security Configur... Nucleus Services Advanced Configu...

**Add variable values for profile EZB.NETWORKUTILS.CLOUD.<system\_name>**

Add a value for the profile variables displayed. Note that security profiles containing variables without a value cannot be validated.

system\_name ⓘ

SYS1

☒ Apply this value to all the resource names that contain same variables

Cancel OK

Resources for z/OS Console Services (REST Consoles)	Description	Class	Who needs the access	Required Access	Validation
MVS.ROUTE.CM D.<system_name>	Allows the zos...	OPERCMD5 ⓘ	<tso_userid> IZUSVR	READ	

A new option to allow bulk add is toggled on by default.

With this toggle on, all profiles matching the same variable(s) in current service or product will be added with the same variable value.

With this toggle off, the value will be added only to current resource profile.



# Usage & Invocation

- Screenshot of UI changes (feature 2: bulk add/remove variable values)

The screenshot displays the 'Security Configuration Assistant' interface. The top navigation bar includes 'zOSMF' and 'Imported Products'. The main content area is divided into tabs: 'Security Configur...', 'Nucleus', 'Services' (selected), and 'Advanced Configu...'. A 'Validate for ID' field contains 'ibmuser', and a 'Validate all' button is present. A 'Filters' dropdown is also visible. Below the tabs, there are sections for 'Automated', 'Configurable', and 'Manual' configurations. The 'Configurable' section contains a table with the following columns: 'Resources for Server ID', 'Description', 'Class', 'Who needs the access', 'Required Access', 'Validated ID', 'Validation Result', and 'Action'.

Resources for Server ID	Description	Class	Who needs the access	Required Access	Validated ID	Validation Result	Action
EZB.NETSTAT.<system_name>.<cp_procedure_name>.VIPADCFG	Allows the z/O...	SERVAUTH	IZUSVR	READ		⚠	+
EZB.NETWORKUTILS.CLOUD.SYS1	Allows the z/O...	SERVAUTH	IZUSVR	READ	IZUSVR	Failed	+
Resources for z/OS Console Services (REST Consoles)							
MVS.ROUTE.CMD.SYS1	Allows the zos...	OPERCMDS	<tso_userid> IZUSVR	READ	IBMUSER	✓	+

A context menu is open over the 'Remove' action for the 'MVS.ROUTE.CMD.SYS1' resource. The menu options are: 'Validate', 'Add', 'Edit', 'Remove', and 'Review & Fix'.

When user click 'Remove' action to remove variable value.

# Usage & Invocation

- Screenshot of UI changes (feature 2: bulk add/remove variable values)

Security Configuration Assistant

zOSMF Imported Products

Validate for ID  Validate all

Security Configur... Nucleus Services Advanced Configu...

Remove values for profile EZB.NETWORKUTILS.CLOUD.<system\_name>

You are about to remove values for the variables listed below. Note that security profiles containing variables without a value cannot be validated. Do you want to continue?

system\_name  
SYS1

☒ Remove all the same values for resource names that contain same variables

Warning:  
This action cannot be undone.

Cancel OK

z/OS Console Services (REST Consoles)	Description	Class	Who needs the access	Required Access	Valid
MVS.ROUTE.CMD.SYS1	Allows the zos...	OPERCMD5	<tso_userid> IZUSVR	READ	IBMUSER Passed

A new option to allow bulk remove is toggled on by default.

With this toggle on, all profiles matching the same variable(s) in current service or product with the same value(s) will be removed.

With this toggle off, the value will be removed only from current resource profile.

# Interactions & Dependencies

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- Software Dependencies
  - No
- Hardware Dependencies
  - No
- Exploiters
  - System security administrator

# 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*
- List any toleration/coexistence APARs/PTFs. *None.*
- List anything that doesn't work the same anymore. *None.*
- Upgrade involves only those actions required to make the new system behave as the old one did.
- Coexistence applies to lower level systems which coexist (share resources) with latest z/OS systems.

# Installation & Configuration

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- 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? *No*
  - What jobs need to be run? *No*
  - 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*

# Summary

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- SCA can import security descriptor JSON files from user specified USS directory.
- SCA can bulk add/delete variable profiles with same variable value.

# Appendix

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- IBM z/OS Management Facility Programming Guide(SC27-8420-50)
- IBM z/OS Management Facility Configuration Guide(SC27-8419-50)
- IBM z/OS Management Facility Online Help