z/OS 3.1 IBM Education Assistant

Solution Name: zACS z/OSMF GUI Support

Solution Element(s): IBM z/OS Authorized Code Scanner

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

Objectives

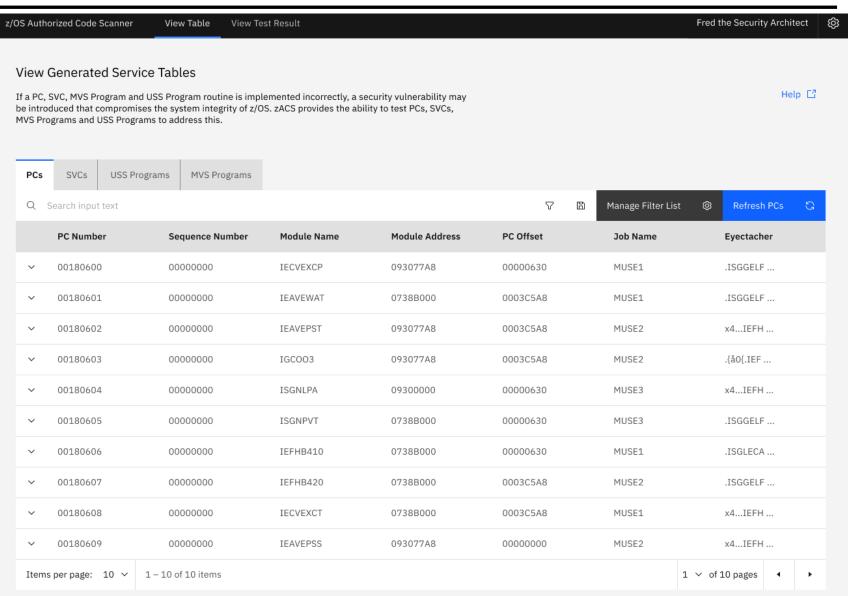
- Provide user interface for IBM z/OS Authorized Code Scanner (zACS) through the z/OSMF external plugin.
- Invoke zACS and display scan results in an easily consumable format.

Overview

- Who (Audience)
 - Customers looking to scan authorized programs using IBM zACS to check for any vulnerabilities.
- What (Solution)
 - A new z/OSMF external plugin that can be used to perform the zACS functions.
- Wow (Benefit / Value, Need Addressed)
 - Performs zACS functions easily through a browser-based user interface.

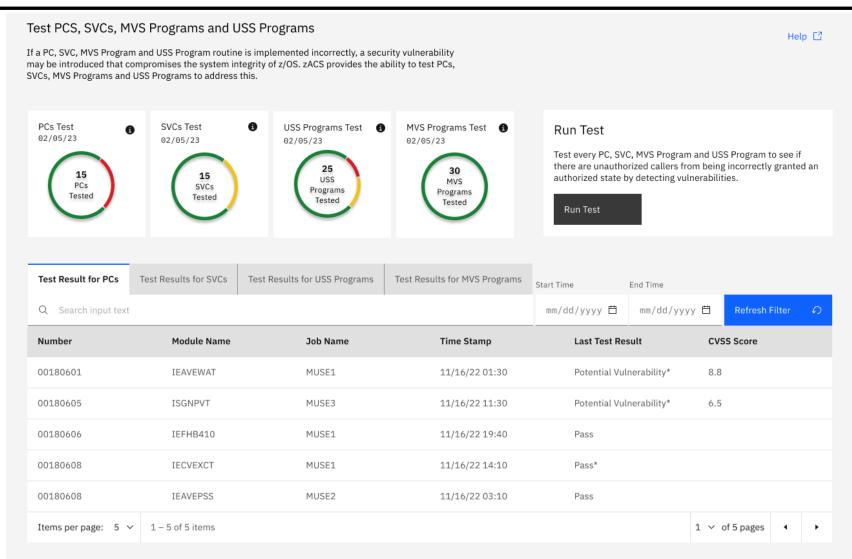
Usage & Invocation

- Setup z/OSMF and zACS plugin
- Setup and start zACS
- Access the zACS UI through z/OSMF
- View Tables



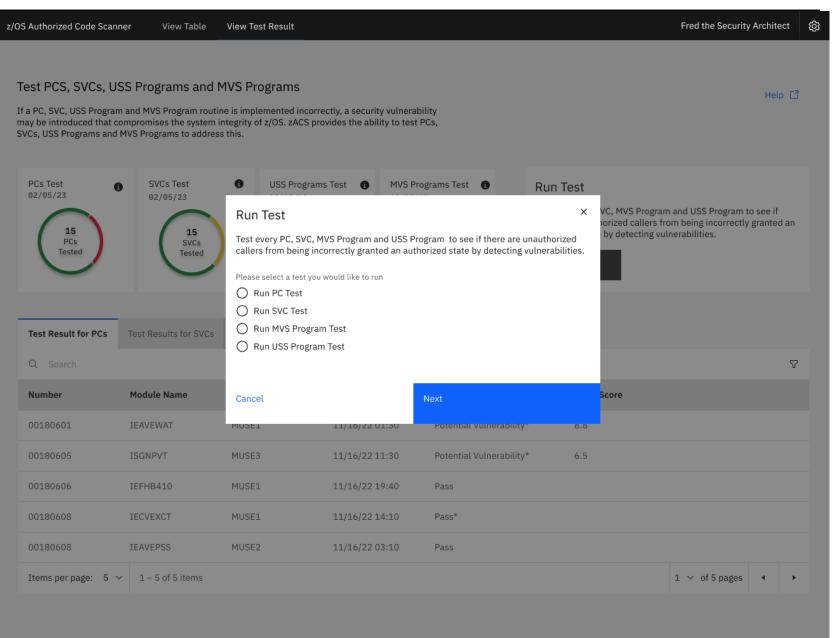
Usage & Invocation – Part 2

- The View Test Result page allows user to Run Test and see the results
- The user can filter the test result table.



Usage & Invocation – Part 3

 Run Test function provides four options.



Interactions & Dependencies

- Software Dependencies
 - z/OSMF
 - zACS
- Hardware Dependencies
 - None
- Exploiters
 - None

Upgrade & Coexistence Considerations

• To exploit this solution, all systems in the Plex must be at the new z/OS level: No

Installation & Configuration

- Install and configure z/OSMF (follow IBM z/OSMFConfiguration Guide)
- Upload the zacs.properties to the /usr/lpp/zacsui
- Upload and extract zACSUI zip to the z/OSMF directory /usr/lpp/zacsui/dist/
- Authorize users to the task
 - RDEFINE ZMFAPLA IZUDFLT. ZOSMF.IBM_ZACSUI.APPTSO.ZACSVIEWER UACC(NONE)
 - PERMIT IZUDFLT. ZOSMF.IBM_ZACSUI.APPTSO.ZACSVIEWER CLASS(ZMFAPLA) ID(IZUADMIN) ACCESS(CONTROL)
 - PERMIT IZUDFLT. ZOSMF.IBM_ZACSUI.APPTSO.ZACSVIEWER CLASS(ZMFAPLA) ID(IZUUSER) ACCESS(READ)
 - SETROPTS RACLIST(ZMFAPLA) REFRESH
- Access Import Manager task in the z/OSMF Administration category and import the property file by browsing to /usr/lpp/zacsui/zacs.properties

Summary

- New z/OSMF plugin for performing zACS functions
- Scan and view reports with graphs are presented from zACS datasets

Appendix

- Publication
 - IBM z/OS Authorized Code Scanner Guide