z/OS 3.1 IBM Education Assistant

Solution Name: z/OS Change Tracker- z/OSMF plugin

Solution Element(s): z/OS Change Tracker

July 2023





Agenda

- Trademarks
- Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Upgrade & Coexistence Considerations
- Installation & Configuration
- Summary
- Appendix

Trademarks

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

Objectives

• IBM z/OS Change Tracker is a change management tool for tracking, controlling, managing, and recovering changes in software in order to enhance the security, resiliency, and compliance of z/OS operating environments. Through the z/OSMF plugin, z/OS Change Tracker delivers a browser- based graphical UI for various administrative tasks, data set actions, and more.

- Key features include:
 - Automatic, real-time monitoring of change activities
 - Detection and recording of key elements of changes
 - Automated member-level backup for protected resources
 - Member-level recoverability with a view of previous member versions and their changes

Overview

Who (Audience)

System programmers, Risk and Compliance Auditors,

• What (Solution)

z/OS Change Tracker is a system software change control and management solution that provides data protection, data recovery, and audit support for real-time, system-wide change tracking and control of systems libraries

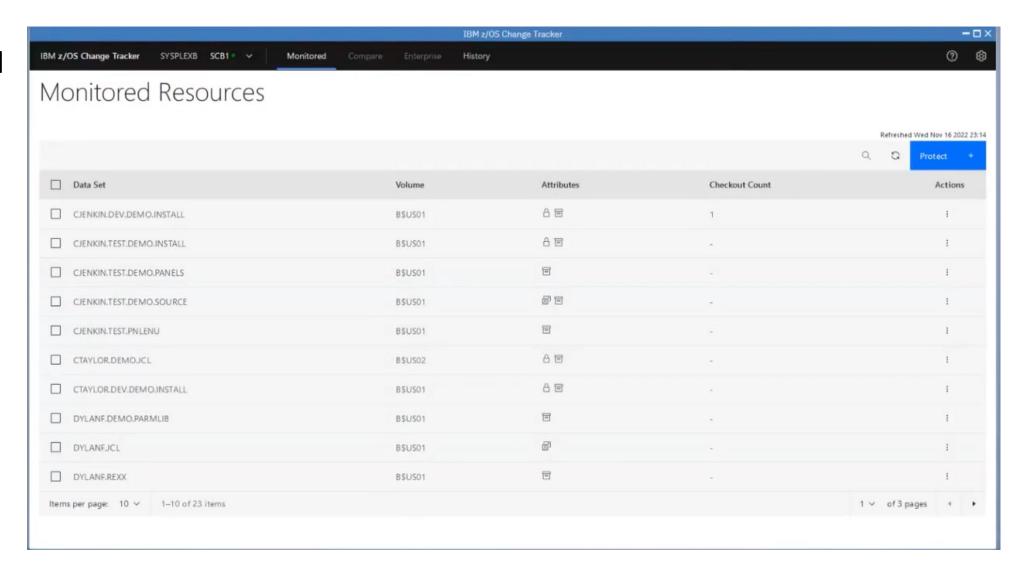
Wow (Benefit / Value, Need Addressed)

Customers often have no auditable tracking mechanism to know when changes are made to critical z/OS system, ISV software or application libraries, putting them at risk for application failures, or in worst case, a system outage. System changes can be performed by authorized users, intentionally or not, at any time and may or may not be logged.

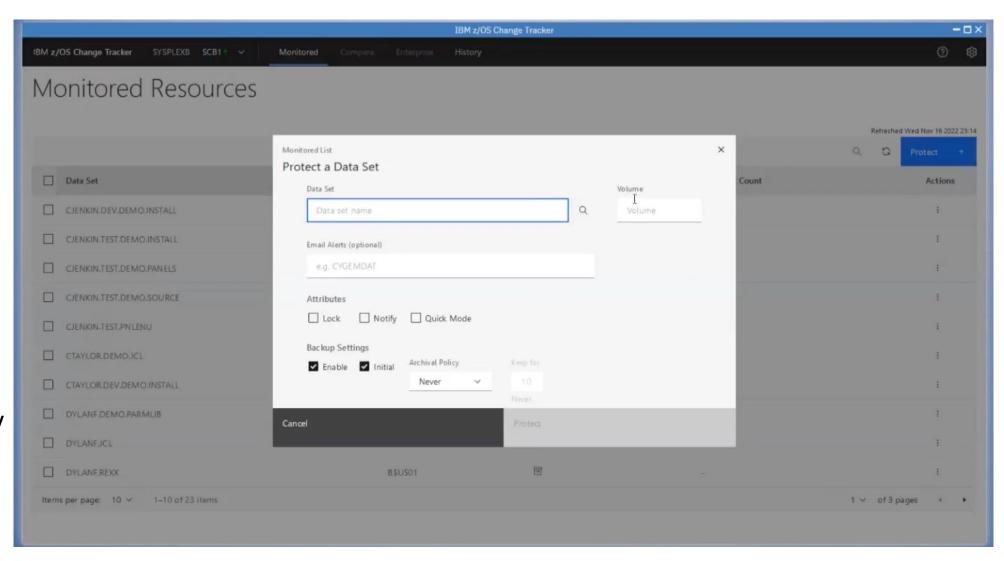
z/OS Change provides:

- Member-level recovery of real-time changes with rollback capabilities to undo the effect of unplanned/undesired changes
- The ability to quickly ascertain who/ what has changed in the software environments
- Reductions in system or application outages to create a more reliable, secured, and resilient z/OS environment
- Reduces the complexities of meeting auditing and compliance requirements by providing a standardized process and control structure

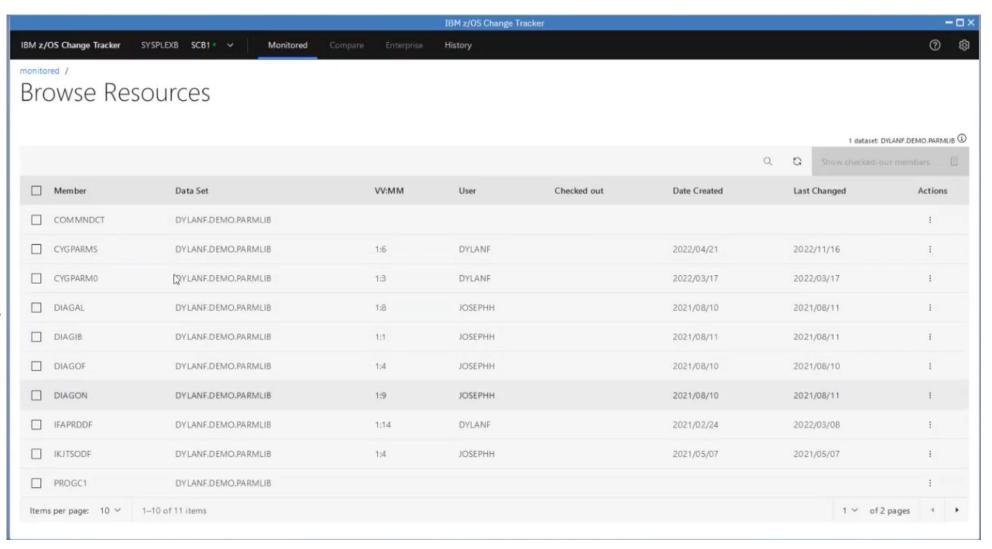
- Identify and view monitored resources in a sortable table
 - (Data set, Volume, Attributes, Checkout Count, Actions)



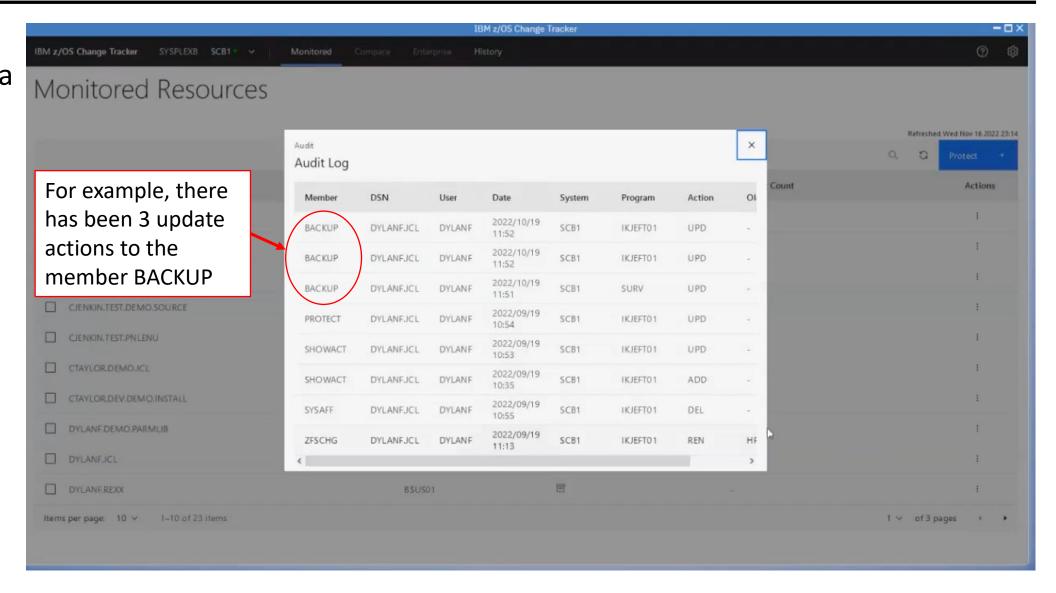
- Add new data sets to the 'protected' list
 - Edit email preferences for an email template (if desired)
 - Set desired attributes, backup settings, and archival policy



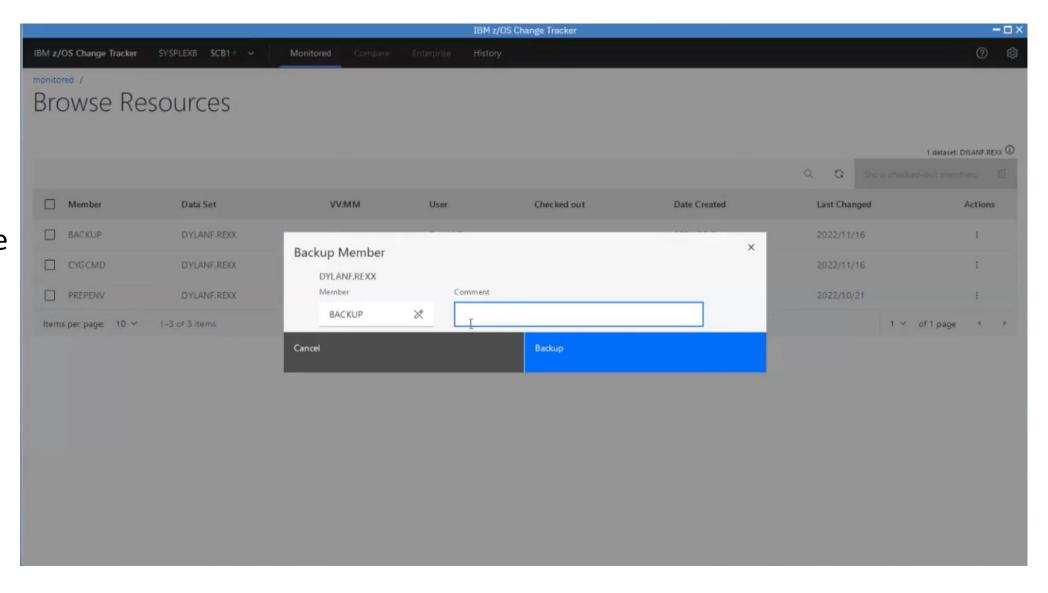
- View detailed information for selected members
 - (Member, Data Set, Volume, User, Checked out, Data created, Last Changed, Actions)



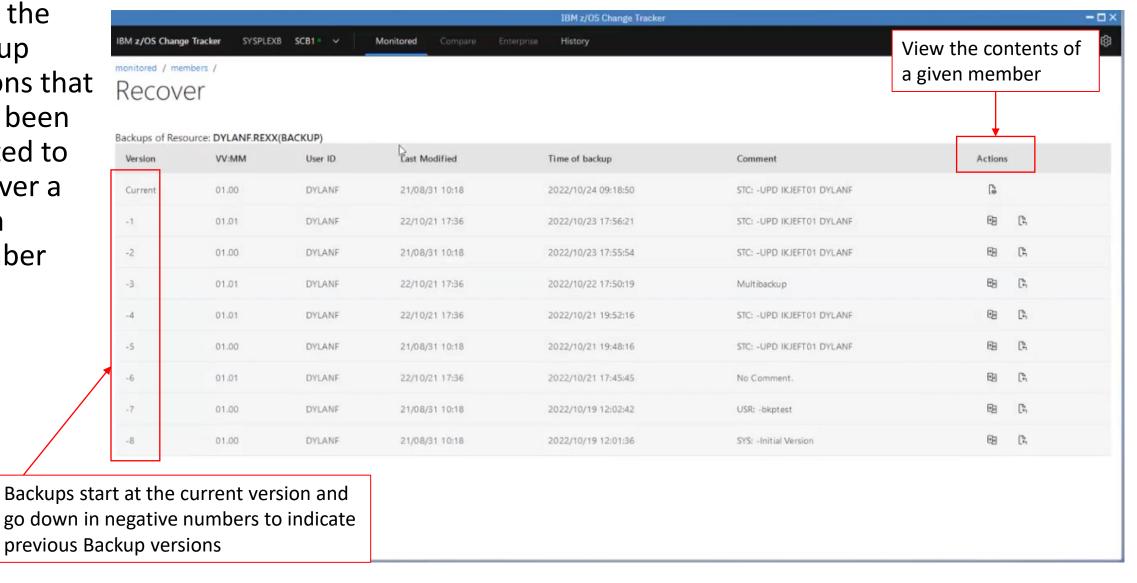
- Browse the Audit Log of a Monitored resource to view actions that have been taken for all member across a dataset
 - (Who, What, When, How)



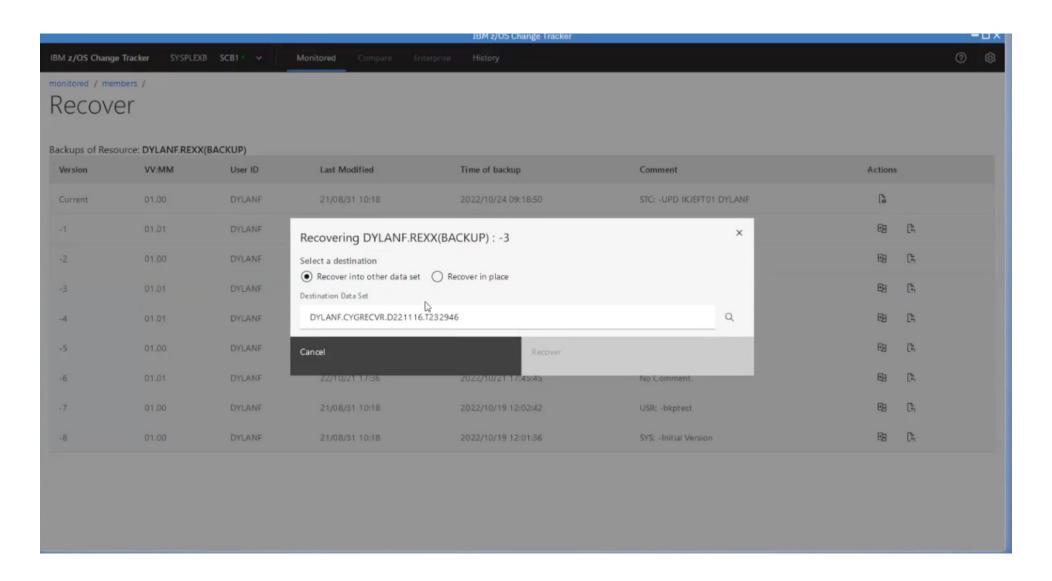
 Option to manually create a Backup of a member with a comment explaining the reasoning



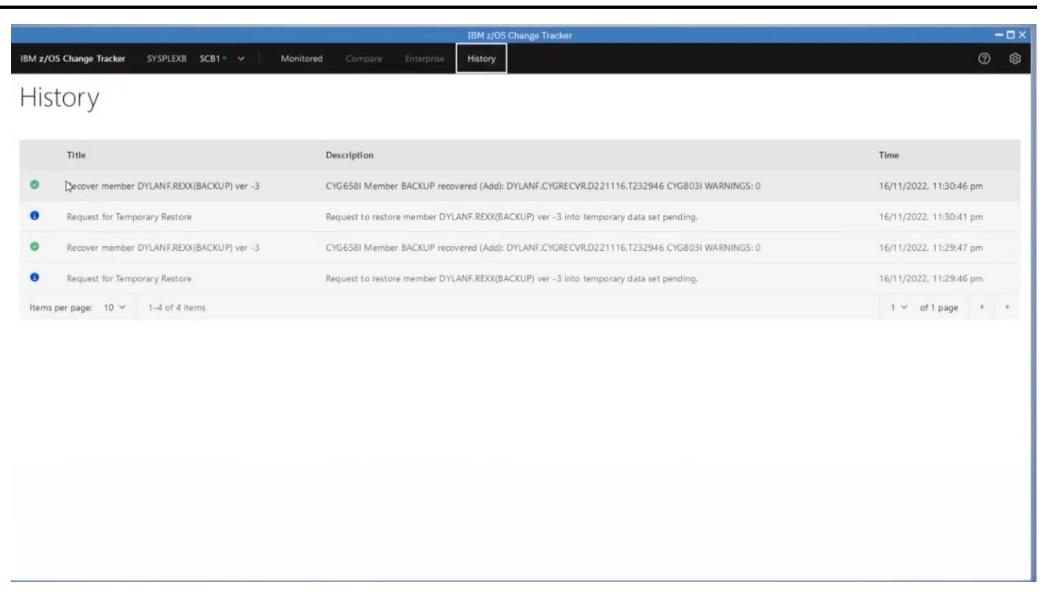
 View the Backup options that have been created to Recover a given member



- Restore previous Member versions
 - Recover in place or into another data set



 Browse the History of previous actions taken in previous sessions



Interactions & Dependencies

- Software Dependencies
 - z/OS Change Tracker is a priced z/OS feature.
 - Use enablement in IFAPRDxx as FEATURENAME('CHANGE TRACKER'), or for a 90-day self-service trial use FEATURENAME('CHNGTRKR_TRIAL90').
 - z/OSMF must be enabled on the system and Change Tracker should be used as a z/OSMF plugin (via APAR PH49337)
 - ISPF interface is also available, for full z/OS Change Tracker functions too.
- Hardware Dependencies
 - None
- Exploiters
 - None

^{* (}Subject to normal hardware and software consumption on z/OS)

Upgrade & Coexistence Considerations

None

Installation & Configuration

- IBM z/OS Change Tracker provides a workflow that performs the configuration of the product and the definition of the correct configuration data sets. This workflow also contains details on installing the z/OS Change Tracker z/OSMF plugin.
- To configure IBM z/OS Change Tracker, run the z/OSMF Configuration Workflow: /usr/lpp/cyg/zosmf/workflows/cygwflw.xml

Summary

- The following enhancement for z/OS Change Tracker has been explained:
 - z/OS Change Tracker z/OSMF plugin

Appendix

 Learn more on the z/OS Change Tracker content solution page: https://www.ibm.com/support/z-content-solutions/zos-change-tracker/