

What's New in Micro Focus ChangeMan ZMF Version 8.2

This "What's New" document covers new features and functions in the latest release of the Micro Focus® ChangeMan ZMF products.

Micro Focus Products Released:

- Micro Focus ChangeMan ZMF 8.2 which is a comprehensive source code and change management capabilities for customers developing, testing and releasing applications into production on the IBM z/OS platform
- Micro Focus ChangeMan ZMF 8.2 Enterprise Release Management Option (ERO) which allows customers to manage and control complex multi—package release more efficiently
- Micro Focus ChangeMan ZMF 8.2 Eclipse Interface that provides an Eclipse-based interface onto ChangeMan source libraries allowing developers to integrate to ZMF without leaving their Eclipse IDE

Did You Know?

Version 8.2 includes a few notable highlights, including:

- Support for Mobile and web based approvals to speed up delivery procedures
- Support for z/OS Connect to allow API archives to be stored as part of a software delivery
- Significant enhancements covering key areas such as zOSMF support, Security, CICS and DB2

Specific Functional Improvements

Support for IBM z/OS Connect REST APIs

z/OS Connect is IBM's mechanism for exposing mainframe resources (such as a batch program, CICS transaction, and so on) to web applications and desktop clients as Representational State Transfer (REST) APIs, using GET/PUT/POST/DELETE actions along with JavaScript Object Notation (JSON) message bodies.

You can now stage the RESTful API that you have developed into a ZMF package and process it through the package lifecycle. A new utility program and two new skeletons enable this process

BENEFIT

By integrating to IBM z/OS connect you can now control the building and deployment of RESTful APIs the same way as you treat other application artefacts.

Mobile Change Approvals

Change Approvals are now available through Web or mobile based clients allowing approvers to:

- List and sort packages pending approval
- Drill into packages to view package and component information
- Approve/Reject packages individually or via multi-select

BENEFIT

By making change approvals accessible from web and mobile devices this makes it easier and faster for organizations to manage the approval process across the business.

Support for IBM CICS Web Services

Four new build procedures are supplied to support the development of CICS web services. The four new procedures are supplied as sample skeletons which drive the IBM supplied utilities for generating, WSDLs, copybooks and JSON Schemas

- CMNDFHJS Drives the IBM-supplied utility DFHLS2JS (copybook to JSON schema) build.
- CMNDFHWS Drives the IBM-supplied utility DFHLS2WS (copybook to WSDL) build

- CMNDFHJL Drives the IBM-supplied utility DFHJS2LS (JSON schema to copybook) build.
- CMNDFHWL Drives the IBM-supplied utility DFHWS2LS (WSDL to copybook) build.

BENEFIT

This support simplifies the build process for generating the support artefacts when developing applications that use CICS Web Services.

New Security Capabilities Include Support for MFA

If you have enabled IBM's Multi-Factor Authentication (MFA) to process user logons, ChangeMan ZMF and the ChangeMan ZMF Client Pack (ChangeMan ZDD and ChangeMan ZMF for Eclipse) will support it. This support is transparent to the ZMF, ZDD, or ZMF for Eclipse user.

A new security entity check has also been added for each of the following functions. The name of the security entity is the name of the ISPF function program, as follows:

Function	Security Entity Name
Create	CMNCREA
Checkout	Checkout
Stage	CMNSTGER
Scratch	CMN\$UTIL
Rename	CMN\$UTIL
Recompile	CMNRCOMP
Rebind	CMNRBIND
Freeze	CMNFREZE
Promote	CMNPROMO
Approve	CMNAPPRV

If the security entity for the function is not defined, the function works as before, that is, access for all users. If the security entity is defined, the user must have Update access to the security entity to access the function. If security

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entity is defined and user does not have update access, an error message is issued and the function is not performed. This enhancement applies to functions that are accessed through the ISPF interface and XML services.

BENEFIT

Granularity of specific ChangeMan actions managed by SAF facilitates separation of duties

Improved XML Services Interface to ZMF

ACCESS TO XML SERVICES CAN NOW BE SECURED WITH SAF ENTITIES

You can now secure the access to XML services with SAF entities. You specify profile names in the following format:

color.service.scope.message

For example, to give a user access to green services, define the RACF resource definition GREEN.* as UPDATE.

NEW XML SERVICE TO LIST USERS ATTACHED TO A ZMF TASK

A new XML service called `system.users.product` is provided that returns a list and number of users who are attached to a specified ZMF task.

The input to the service is `<productName>`, which can have one of the following 3-byte character values:

Value	Meaning
ALL	List all users.
XCH	List all users of the XCH port.
CMN	List all users of the CMN port.
ZMF	List all users of ZMF (on any port).
RLM	List all users of Release Manager (RLM) client (on any port).
ZDD	List all users of ZDD client (on any port).
ECL	List all users of ZMF for Eclipse (ECL) client (on any port).
CLP	List all users of ZMF Client Pack (ZDD & ECL) (on any port).

BENEFIT

Passwords which can be shared or retained by persons that are no longer critical to a project are fallible and untraceable. Using SAF entities provides much tighter security resulting in higher visibility and control.

Improvements to Enterprise Release Option (ERO)

ERO CAN NOW RECOGNIZE CUSTOM LIKE-K LINK DECK TYPES

Now you will be able to define link decks for associated loads, NCALs, and objects. Prior to this change, ERO only generated a link deck for LCT library types.

ADDITIONAL REPORTS AVAILABLE FOR ERO

The following additional reports for ERO have been supplied with ZMF 8.2 and are delivered in the CMNZMFV8R2M0.REX distribution library. New reports include:

- Release Configuration and Status Report
- Release Contents Report
- Release Package Report
- Release Component History Report
- Release Area Discrepancy Report

THE PROCESS FOR MOVING AN ERO PACKAGE FROM ONE RELEASE TO ANOTHER RELEASE HAS BEEN SIMPLIFIED

A new `release—Package Detach` (CMNRMPD1) panel is provided that allows you to perform all of the functions previously used to detach a package from a release in one step.

BENEFIT

These new capabilities reduce administrative burden on release managers, and with improved reporting there is better insight into a release status.

Miscellaneous Usability Enhancements

The following enhancements have been added to improve usability and automation:

- ZMF 8.2 supports the creation and processing of z/OS Management Facility (z/OSMF) workflows through the ZMF lifecycle.
- You can now update the ID of a complex or super package associated with a participating package on the UPDATE: Affected Applications (CMNPGNL5) panel if the participating package is in DEV status.
- Data Set Allocation Definitions have been enhanced to allow you to specify management and storage class in addition to generic unit, volume serial, space, and DCB attributes.
- DB2 Templating Has Been Extended for templating support to the BIND process. These enhancements also allow up to five collection IDs to be templated (or removed) from a given DB2 subsystem
- The Performance of the Scan Function Has Been Improved by adding a new scan—option A—Alt Batch to the Library Scan Utility (CMNSCN01) panel. This enhancement retains the functionality of options O—Online and B—Batch, but shifts the overhead of the actual scan to the batch address space.

BENEFIT

Improved general product usability. With the focus on delivering value through customer-driven innovation, these new capabilities ensure that the administrative burden is kept to a minimum, meaning customers can do more with less.