

# ChangeMan ZMF

The most comprehensive and fully integrated solution for Software Change, Configuration, and Release Management on z/OS

## Confidently Develop and Deploy Mainframe Apps Faster

Serena ChangeMan® ZMF protects corporate assets and lets developers get more done in less time. It is a comprehensive system that provides reliable and streamlined implementation of software changes in a z/OS environment. It manages and automates the process of migrating software changes from a development environment to any test environment and then to the production environment. A comprehensive TSO/ISPF interface as well as a Windows or Eclipse client guides developers through various change management processes.

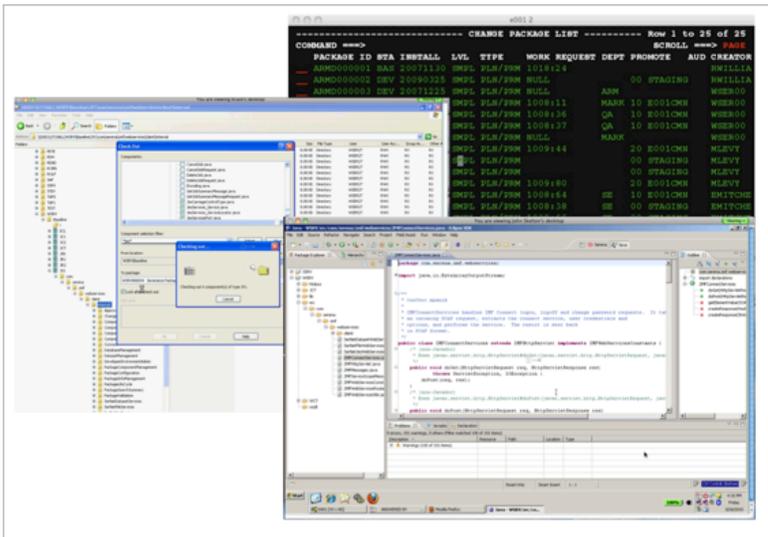


Figure 1. ChangeMan ZMF Client Interfaces

Serena ChangeMan ZMF manages every code change. It guarantees source-to-load integrity and ensures that only successfully tested programs make it into production. Serena ChangeMan ZMF reduces maintenance costs and regression errors by moving code through an automated lifecycle with strict accountability and quality assurance at every step. It can integrate scheduling forms and approval processes online. It can support developer communication and perform regression analyses as part of the most thorough concurrent development available.

### Handle Your Software with Care – for Its Entire Lifecycle

Serena ChangeMan ZMF supports your process of moving changes through an organization, and it treats change management as a business issue rather

## AT A GLANCE

ChangeMan ZMF Advantages:

- Reliability – Development conflicts are discovered and resolved early
- Integrity – Package-driven architecture maintains source to load integrity
- Flexibility – Highly configurable to meet environment and process requirements
- Extensibility – Nonproprietary infrastructure and industry standard APIs
- Recoverability – Full, safe backouts

## BENEFITS

- Protects software assets
- Automates development process
- Simplifies audit compliance
- Prevents overlays and regression
- Enforces quality assurance measures
- Provides comprehensive build and release management
- Provides extensibility across the enterprise
- Minimizes risk of deployments
- Guarantees integrity in the application development cycle

than a technical requirement. It eliminates missing source code problems. It employs Change Packages that enhance developer creativity while establishing consistency and improving management reporting. It increases system availability and can simplify software audits.

The change package architecture delivers unparalleled efficiency and management control. Serena ChangeMan ZMF groups all components of a change together at the beginning, protecting the integrity of the entire change throughout the software lifecycle. A change package may contain up to thousands of components, and developers can act on entire groups of components with a single package command.

### The Mainframe Is Not an Island

Serena's ChangeMan ZMF is built from the ground up to be open and scale from the smallest to the largest enterprise architectures. You don't need to know mainframe to work with ChangeMan ZMF. Developers have a choice of user interfaces, including traditional ISPF or Windows. Users of RDz's Eclipse-based IDE for the mainframe can access the functionality of ZMF without leaving their integrated development environment. If you would rather "roll your own," ChangeMan ZMF provides .NET, XML, and Web Services along with many user exits to provide open, easy, and secure access to your software artifacts.

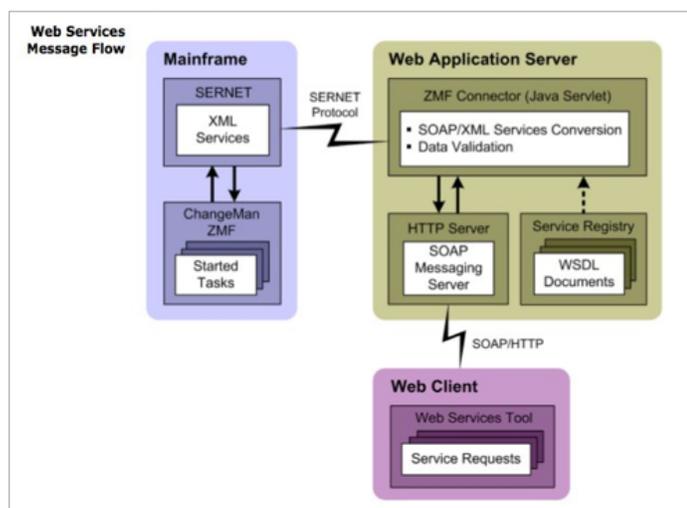


Figure 2. ChangeMan ZMF Web Services Message Flow

Building and deploying modern Java applications on z/OS? Not a problem. ChangeMan ZMF supports Java and HFS out of the box, so whether you are supporting your 20 year old legacy applications or managing modern workloads, ChangeMan ZMF delivers rock solid results.

## KEY FEATURES

- Impact analysis – Assess the ramifications of a change before it hits production
- Version control – Manage any number of component versions
- Package audit – Ensure that all artifacts are up-to-date and prevent back leveled code from getting deployed
- Online approvals – Fast and secure, in parallel, serial, or both
- Concurrent development – Eliminate overlays and cultivate developer communications
- Freeze control – Ensure that the changes tested are the ones put into production
- Automated backout – Revert to earlier code in seconds
- Emergency protocols – Protect the integrity of the system while allowing quick fixes
- Automation – Automate Websphere, CICS, IMS, and DB2 deployments
- Open architecture – Support for Java, Web Services, and standard security environments



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Serena Software provides Orchestrated application development and release management solutions to the Global 2000. Our 2,500 active enterprise customers, including a majority of the Fortune 100, have made Serena the largest independent Application Lifecycle Management (ALM) vendor and the only one that orchestrates DevOps, the processes that bring together application development and operations. Headquartered in Silicon Valley, Serena is a portfolio company of HGGC, a leading middle market private equity firm.