In this session you will learn how, even with little or no mainframe experience, you can quickly automate and streamline your CA Technologies product acquisition, installation, deployment, configuration and maintenance with CA Mainframe Software Manager™ (CA MSM), a major component of CA Technologies Mainframe 2.0 strategy. The speaker will demonstrate this amazing technology innovation that can help you get more from your mainframe investments and quickly deliver value through an enhanced customer experience.
— Datacenter Challenges and Mainframe 2.0 Strategy
— The Journey
— CA MSM Overview
— Demonstration
— Looking ahead
— Q&A
Change the way the mainframe is managed forever!

**Challenges**
- Control Costs
- Sustain Critical Skills
- Increase Agility

**Strategy**
- Maximize Value
- Simplify Management
- Practical Innovation
enabling a new generation of mainframe managers

Vendor Software Lifecycle Management
— CA Mainframe Software Manager™

Next-Generation Mainframe Management
— CA Mainframe Chorus

Customer Application Design & Deployment
— CA 3Tera AppLogic

Sustain Critical Skills
— CA Mainframe Academy
the journey
— Aggressive three-year journey to deliver on our promises and the virtues of the platform
— Delivering a new mainframe software management experience
— Delivering a CA Mainframe Stack

2009
- CA MSM r2.0
- Product Acquisition and Software Installation Services
- Health Checks
- Best Practice Guides
- The CA Mainframe Stack

2010
- CA MSM r3.0
- Software Deployment Service
- Service Enablement
- More Health Checks
- Integrated System Testing
- IVPs and EVPs

2011
- CA MSM r4.0
- Software Configuration Service
- Serviceability Features
- More Health Checks

Continued Innovation, New Products, Technology Exploitation
install, deploy, configure and maintain

Did I install it correctly?

What did I forget to do?

Did I handle all inter-product dependencies?

Did I properly configure it?

Is it tested for my environment?

Current Environment
- What's the business value of change?
- It's stable
- It works
- Low risk

New Environment
- Why did I have to do this?
- How do I check my work?
- Will it work well?
- What's the risk?

Did I deploy it to the right systems?

Did I install all the compatibility maintenance?

What did I forget to do?

Add up to complex actions for the system programmer.

New Software
Installation Guides
Conversion Notebooks
New Features
Deprecated Functions

Current Environment
- What's the business value of change?
- It's stable
- It works
- Low risk

New Environment
- Why did I have to do this?
- How do I check my work?
- Will it work well?
- What's the risk?

Is it tested for my environment?

Did I properly configure it?

Did I handle all inter-product dependencies?
reducing complexity = improved QoS

- **Reducing choice:**
  - Enables the product to better enforce “best practices” for product installation and configuration
  - Reduces the likelihood of a systems programmer making an error or misinterpreting instructions

- **Enabling a product** (or providing a structure) to handle activities normally tackled by system programmers eliminates errors and automates the enforcement of standards

- Both sides of the equation improve the experience of the platform
  - Both are crucial to reduce the skills requirement while not compromising the strengths of the z/OS platform
CA MSM Overview
CA MSM major components

**Promises Made**

- Simplification through Automation

**Promises Kept**

- Mainframe Software Management

**CA Mainframe Software Manager (CA MSM)**

- Web UI
- Electronic Software Delivery (ESD)
- Standardized SMP/E Installation
- Product Acquisition Service
- Software Installation Service
- Software Deployment Service
- Software Configuration Service

**CA Mainframe Stack**

- Best Practices Guides
- Interoperability Certification
- Health Checker Integration
- Mainframe Integrated System Test
- CA Recommended Service
simplify management:
CA Mainframe Software Manager (CA MSM)

Install Shield® and Windows Update for the Mainframe.
Dramatically simplifies software management activities.
Significantly reduces installation times.
what does CA MSM do?

- Downloads software products and service from CA Support Online
  - Includes other artifacts (e.g. PDFs, letters, etc.)
- Creates CSIs
- Evaluates and installs software into CSIs
- Evaluates and installs maintenance into CSIs
- Adds “External Maintenance”
  - e.g. ++APARs, ++USERMODS
- Installs “External Package”
  - e.g. Beta products, other vendor products
- Migrates existing CSIs
- Maintains relationships between products and CSIs
CA MSM architecture
CA MSM proof points
### Time to Install 10 Mainframe Applications

<table>
<thead>
<tr>
<th>Product</th>
<th>Mainframe Expert Install</th>
<th>Mainframe Novice Install</th>
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<tbody>
<tr>
<td></td>
<td>Traditional</td>
<td>With CA MSM</td>
</tr>
<tr>
<td>CA 1® Tape Management</td>
<td>36 min</td>
<td>9 min</td>
</tr>
<tr>
<td>CA Auditor for z/OS</td>
<td>26 min</td>
<td>7 min</td>
</tr>
<tr>
<td>CA Datacom®</td>
<td>1 hr 14 min</td>
<td>6 min</td>
</tr>
<tr>
<td>CA JARS Resource Accounting</td>
<td>37 min</td>
<td>5 min</td>
</tr>
<tr>
<td>CA Librarian®</td>
<td>28 min</td>
<td>2 min</td>
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<tr>
<td>CA MIM™ Resource Sharing</td>
<td>30 min</td>
<td>5 min</td>
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<tr>
<td>CA OPS/MVS® Event Management and Automation</td>
<td>36 min</td>
<td>6 min</td>
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<tr>
<td>CA Panvalet®</td>
<td>54 min</td>
<td>3 min</td>
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<tr>
<td>CA SMF Director</td>
<td>40 min</td>
<td>5 min</td>
</tr>
<tr>
<td>CA SymDump® for CICS</td>
<td>38 min</td>
<td>3 min</td>
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<tr>
<td><strong>Totals</strong></td>
<td>6 hrs 39 min</td>
<td>51 min</td>
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87% productivity gains for mainframe experts and 94% for novices! **

Source: CA Technologies Lab Results
Copyright © 2011 CA. All rights reserved.
## Time to Install Maintenance for 7 Mainframe Applications

<table>
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<th>Number of Fixes</th>
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<th>Mainframe Novice Install</th>
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<tr>
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<td>With CA MSM</td>
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<tr>
<td>CA Auditor for z/OS</td>
<td>14</td>
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<td>1 min 22 sec</td>
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<tr>
<td>CA Cleanup for CA ACF2™</td>
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<td>38 sec</td>
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<td>CA Easytrieve®</td>
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<td>19</td>
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<td>CA Librarian®</td>
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<td>CA Panvalet®</td>
<td>12</td>
<td>27 min</td>
<td>1 min 39 sec</td>
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<tr>
<td>CA View®</td>
<td>4</td>
<td>32 min</td>
<td>1 min 48 sec</td>
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<td>13 min 54 sec</td>
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**93% productivity gains for mainframe experts and 94% for novices!**

Source: CA Technologies Lab Results
CA MSM time savings – deployment

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<th>Product</th>
<th>To A Single Remote System</th>
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<th>To Six Remote Systems</th>
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<tr>
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<td>Traditional</td>
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<td>Improvement</td>
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<td>With CA MSM</td>
<td>Improvement</td>
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<td>55 min</td>
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<td>2 hr 30 min</td>
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<td>CA 11™ Workload Automation</td>
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<td>1 min 56 sec</td>
<td>23X</td>
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<td>3 min 32 sec</td>
<td>30X</td>
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<tr>
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<td>1 min 52 sec</td>
<td>21X</td>
<td>1 hr 22 min</td>
<td>3 min 22 sec</td>
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<td>CA Copycat</td>
<td>37 min</td>
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<td>1 hr 20 min</td>
<td>3 min 15 sec</td>
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<td>16X</td>
<td>1 hr 17 min</td>
<td>5 min 36 sec</td>
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<tr>
<td>CA Endevor SCM</td>
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<td>17X</td>
<td>2 hr 10 min</td>
<td>11 min 24 sec</td>
<td>11X</td>
</tr>
<tr>
<td>CA NetMaster® Suite</td>
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<td>6 min 5 sec</td>
<td>12X</td>
<td>3 hr 20 min</td>
<td>21 min 58 sec</td>
<td>9X</td>
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<tr>
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<td>13 min 42 sec</td>
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<td>1 hr 10 min</td>
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<td>93 min 30 sec</td>
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</table>

*93% productivity increase using CA MSM for Deployment!* **

Source: CA Technologies Lab Results
recent key deliverables
— CA MSM V4.0.0
  - Enhanced SIS/SDS features
  - Configuration support for new installations of CA products only
    ▪ Functionality to use and validate with the supported products

— CA MSM V4.1 in Nov 2011 will include enhanced features and many more configurable products

— Java
  - 64 bit Java support
  - Java 6.0.1 support, leveraging z196 instructions

— Datacom r12
  - Offloads to zIIP processors
CA MSM v4.0
usability enhancements and features

— CA MSM Software Deployment Service (SDS)
  — SDS Methodology Create/Delete, including allowing for the use of unit/volser information for more granularity and user control of the product deployment process
  — Improve the SDS Wizard to allow for changes/edits to remote credentials, methodologies and data destinations within the Wizard; also include print capability for Summary
  — User symbolics for all data set nodes for deployment
CA MSM v4.0
usability enhancements and features

— CA MSM Software Configuration Services (SCS)
  — New deployments and new configurations for a select set of products
  — Populate environmental variables from manual entry or from System Registry
  — Populate product variables
  — Configuration summary report
  — Implement configuration
  — Delete configuration
CA MSM Demonstration
MSM v4.0 UI changes for product configuration

- System Registry
- Deployment (MSM UI and Processing)
- Configuration (Create, Validate, Implement)
- Task Manager
System Registry

CA Mainframe Software Manager™

Logged in as: NEW1AG4 (Log Out)

Actions

Search

Search For:

Search In:
Systems ▼ Search

System Registry

Non-Sysplex Systems
Sysplexes

PLEXC1

CA Common Services

CCS
Easytrieve

EZTOPT

ENF
CA Products
CA Subsystems
IBM Subsystems

Language Processors
Networking
Storage
System

Variables for Easytrieve

EZTLOAD

**EZTLOAD**: APCDAL.PUBLIC.EZT1SP03.CAIUB

EZIMAC

**EZIMAC**: APCDAL.PUBLIC.EZT1SP03.CAIMAC

EZTOPT

**EZTOPT**: Specifies the CA Easytrieve options table. Enter a 1 to 54 character MVS data set name. Note that the options table is a loadlib member in the CCS/6.4 version, but a sequential file in r11.
### Datacom Profile Occurrences

The table below lists all the occurrences of environment profiles that are available on this system. You may select one or more occurrences for deletion or click the Create button to add a new occurrence.

<table>
<thead>
<tr>
<th>Select</th>
<th>JOBNAME</th>
<th>MUFNAME</th>
<th>VERSION</th>
<th>Actions</th>
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<td>Actions</td>
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</tbody>
</table>

Selected 0 of 3.
Deployment

• Deployment

• Product (Create Configuration action enabled)

• Features
Deployment

CA Mainframe Software Manager™

Logged in as: NEWJA04 (Log Out)

Software Status | Software Catalog | SMP/E Environments | Deployments | Configurations | System Registry | Tasks | Settings

Actions
Create Deployment | Maintain Methodologies

Search
Search For:
ZM33 - V4BETA
Search In:
Deployments ▼ Search

Deployment Details
Deployment Name:
ZM33 - V4BETA - SYSVIEW r13.0
Description:

Current State: Configurable
Methodology: NET/JANI_ZM33
Deployment ID: 2041
Task ID: 15419

Product List
Select and: Create Configuration

System List
Select and: Create Configuration

Add Data Set
Enter the configuration name, select its target system, and click Next.

Select the system that this configuration targets. Only systems that are accessible to the selected deployment are displayed.
Configuration - Create

Name: NEWJA04 CA SYSVIEW Performance Management r13.0 - Base #000001608

Save  Back  Next  Build  Cancel  Help
Configuration - Create

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base #01

Select:
- ZM33:49152
- ZM33
- ZPDT ZV03 - SYSTEM ZM33 - MSM QA
- Z/OS 01.11.00

Next
Configuration - Create

CA Mainframe Software Manager™

Logged in as: NEWJA04 (Log Out)

Create Configuration for Product: CA SYSVIEW Performance Management r13.0 - Base

Select Functions and Options

Select the functions and options you want to use for this configuration.

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - ...

This product consists of the functions represented by each table below. Select the functions you want for this config...

Functions and Options

New Configuration

Select Option

BASE
MVS
CICS
DATACOM
CAPTURE
IMS
MQSERIES
TCP/IP
WILYAPM
JES2
JES3

Description
This is the base component that is provided with CA Common Services. There is no associated LMP key required for this option.
MVS is a cost option requiring an additional LMP key code FU.
CICS is a cost option requiring an additional LMP key code FV.
DATACOM is a cost option requiring an additional LMP key code FW.
CAPTURE, or Event Capture, is a cost option requiring an additional LMP key code 2G.
IMS is a cost option requiring an additional LMP key code IP.
MQSERIES is a cost option requiring an additional LMP key code J6.
TCP/IP is a cost option requiring an additional LMP key code J6.
WILYAPM is a cost option requiring an additional LMP key code 11.
Select this option if you are a JES2 environment. This option does not require an LMP key. Either the JES2 or JES3 must be selected.
Select this option if you are a JES3 environment. This option does not require an LMP key. Either the JES3 or JES2 must be selected.

Details

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Configuration - Create
Configuration - Create

Note: The system registry is a repository of variable data that is shared by all products managed by CA MSM, and changes that you make on this step update the content of the system registry. If a variable already has a value and you are configuring products that target shared systems, then any change you make will affect other users of these shared systems.
Configuration - Create

CA Mainframe Software Manager™

Logged in as: NEWJA04 (Log Out)

Create Configuration for Product: CA SYSVIEW Performance Management r13.0 - Base

Define System Preferences for this configuration. When complete, click Next to continue.

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - ...

System Preferences:

- Complete the values below by entering a value for each of them. Variables are marked resolved with a check if a value is set.

Category: System Preferences

Variables in this category have been pre-populated with values from the system registry for ZM33.

If you click Save or Next, values set on this panel are saved and the system registry is updated.

Note: The system registry is a repository of variable data that is shared by all products managed by CA MSM, and changes that you make on this step update the content of the system registry. If a variable already has a value and you are configuring products that target shared systems, then any change you make will affect other users of these shared systems.

System Preferences:

- CA Common Services
  - CC5
  - Networking
  - TCP/IP
- Storage
  - PERMMVSST
  - PERMSAMST
  - TEMPVSST
- System
  - General
  - JES2
  - MVS
    - PROCLIB
    - MACLIB
    - MODGEN
    - SCERUN
    - JESTYPE
- Library Type

Find Unresolved Variables

Auto Advance

Save Back Next Build Exit Help
Configuration - Create
Configuration - Create

Create Target Settings

Use Configuration Values
Select a configuration

Target Settings

Category: Target Settings

To obtain settings from an implemented configuration, select the configuration you want to use and click Set Values.

Values obtained from a previous configuration will replace any values currently set.

Select a configuration

About
Configuration - Create
Configuration - Create

Target Settings

- PREFIX
  - BASE
  - ADMIN
  - ANCHORN
  - SVC
  - SAF
  - SECEXIT
  - JESNAME
  - SPOOL
  - ROUTCODE
  - JOBACCT
  - SITEID
  - HCHECK
  - MIM
  - RESOCF

Set Value for PREFIX

You must confirm that you have seen this variable.

PREFIX: NEWJ404.SYSV13.C01

Set Value  Cancel

Auto Advance
Configuration - Create
Configuration - Create
Configuration - Create

CA Mainframe Software Manager™

Logged in as: NEWJA04 (Log Out)

Create Configuration for Product - CA SYSVIEW Performance Management r13.0 - Base

1. Define and Target
2. Select Functions and Options
3. Define System Preferences
4. Create Target Settings
5. Select and Edit Resources
6. Review and Build

Resources

The configurations listed below were previously implemented for this product. You can review these when resolving any resource conflicts.

Implemented Configurations

Copyright © 2011 CA. All rights reserved.
Configuration - Create

Resource: SCS:CD:GEN_NAMES_ASM SYSSIN

⚠️ You must verify that you have seen this resource.

Launch Editor
This NAMES table is used to determine the true names of the modules to be loaded at execution based on the current MVS system name and SP Level. This allows multiple versions of these modules, each uniquely named, to co-exist in the runtime load library.

The default methodology is to base the GEN module name on the SP Level and use the keyword of ALL for the Sysname. This allows all systems at the same SP Level to use the same GenName.

If you override the GenName module name, you will also need to modify the card deck resource.

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<th>Overwrite Mode</th>
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</table>
Configuration - Create
Configuration - Create

CA Mainframe Software Manager™

Create Configuration for Product: CA SYSVIEW Performance Management r13.0 - Base

Configuration

Review the configuration summary provided below. This configuration can be modified by clicking Back to navigate to ...

A configuration of the deployment: "ZM33 - V4BETA - SYSVIEW r13.0" will be created as:

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base #01

On the system:

ZM33

Containing the product:

CA SYSVIEW Performance Management r13.0 - Base

- External Operations
- Functions and Options
- Data Sets
- System Settings
- Target Settings
- Resources

Review and Build
Configuration - Create

CA Mainframe Software Manager

Logged in as: NEWJA04 (Log Out)

Software Status | Software Category

Search

Search In: Configurations

Search

Configurations

Search For:

Definitions and Targets

Select Functions and Options

Define System Preferences

Create Target Settings

Select and Edit Resources

Review and Build

Summary of the configuration provided in this wizard. After reviewing the summary click Build to build the configuration.

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - ...

Configuration

Review the configuration summary provided below. This configuration can be modified by clicking Back to navigate to ...

A configuration of the deployment: "ZM33 - V4BETA - SYSVIEW r13.0" will be created as:

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base #01

On the system:

ZM33

Containing the product:

CA SYSVIEW Performance Management r13.0 - Base

- External Operations
- Functions and Options
- Data Sets
- System Settings
- Target Settings
- Resources

Print
A configuration of the deployment: "ZM33 - V4BETA - SYSVIEW r13.0" will be created as:

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base

On the system:

ZM33

Containing the product:

CA SYSVIEW Performance Management r13.0 - Base

External Operations

ADD_CNM4BLD TO_LNLKST

Narrative
Add the CA SYSVIEW run-time load library NEWJA04.SYSV13.C01.CNM4BLD to the LNLKST concatenation. This can be done dynamically by creating and activating a new LNLKST set. For example, a new LNLKST set called LNLKST01 can be created by copying the existing set LNLKST00 and adding NEWJA04.SYSV13.C01.CNM4BLD to the end of the concatenation:
1. SETPROG LNLKST,DEFINE,NAME=LNLKST01,COPYFROM=LNLKST00
2. SETPROG LNLKST,ADD,NAME=LNLKST01,DSTYPE=NEWJA04.SYSV13.C01.CNM4BLD,ATBOTTOM
3. SETPROG LNLKST,ACTIVATE,NAME=LNLKST01

The PROGxx or LNLKSTxx member of SYSI.PARMLIB should be updated to permanently add NEWJA04.SYSV13.C01.CNM4LOAD to the IPL LNLKST set at the desired location in the concatenation.

ADD_SYSVAPPL TO_VTAMLST

Narrative
1. Copy the SYSVAPPL member from the NEWJA04.SYSV13.C01.CNM4BSN data set to the ADCD.Z111.VTAMLST data set. The APPLIDs used when using CA SYSVIEW with VTAM and the APPL statements used by the CA SYSVIEW VTAM command are now available from the ADCD.Z111.VTAMLST data set.
2. The ACBNAME parameter on the first APPL statement in the SYSVAPPL member should already be filled in with the product variable name used during configuration. Use the name SYSVCS01 when you start the VTAM interface.
Configuration - Create

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base

Configuration

Review the configuration summary provided below. This configuration can be modified by clicking Back to navigate to ...

A configuration of the deployment: "ZM33 - V4BETA - SYSVIEW r13.0" will be created as:

ZM33 - NEWJA04 CA SYSVIEW Performance Management r13.0 - Base #01

On the system:

ZM33

Containing the product:

CA SYSVIEW Performance Management r13.0 - Base

- External Operations
- Functions and Options
- Data Sets
- System Settings
- Target Settings
- Resources

Build
Configuration - Create
### Configuration - Validate

#### CA Mainframe Software Manager™

**Logged in as: NEWJA04 (Log Out)**

#### Configurations

<table>
<thead>
<tr>
<th>Name</th>
<th>System</th>
<th>Status</th>
<th>Created</th>
<th>Modified</th>
<th>Actions</th>
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<td>Implemented</td>
<td>3/5/2011 03:12:02PM</td>
<td>3/5/2011 03:12:02PM</td>
<td>Actions</td>
</tr>
<tr>
<td>William Keenan 02/18/11</td>
<td>CA31</td>
<td>Implementation stopped</td>
<td>2/18/2011 10:14:00AM</td>
<td>2/18/2011 10:14:00AM</td>
<td>Actions</td>
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<tr>
<td>CMF Test config 5</td>
<td>CMF</td>
<td>Build failed</td>
<td>1/11/2011 03:17:45AM</td>
<td>1/11/2011 03:17:45AM</td>
<td>Actions</td>
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<tr>
<td>CA SYSVIEW Performance Management r13.0</td>
<td>CA31</td>
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<td>3/1/2012 04:00:26AM</td>
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<td>Actions</td>
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<tr>
<td>CMF Test config 4</td>
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<td>3/1/2012 04:00:26AM</td>
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<td>CMF Test config 3</td>
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<td>3/1/2012 04:00:26AM</td>
<td>3/1/2012 04:00:26AM</td>
<td>Actions</td>
</tr>
</tbody>
</table>

- **Resume Create Wizard**
- **Delete**
- **Build**
- **Validate**
- **Implement**
- **Reset Status**

---

67  Session 9679  Copyright © 2011 CA. All rights reserved.
Configuration - Validate

CA Mainframe Software Manager™

Validate Configuration: ZM33 - NEWJA04 CA SYSVIEW Performance Management

Monitor or review the validation of the configuration below. Click a step to review its actions. You can hi...

CA SYSVIEW Performance Management r13.0 - Base

Validation Steps

Step | Mode | Status | Text | Prereqs
--- | --- | --- | --- | ---
1. CREATE LISTING DATASETS | Auto | Completed | Text | Prereqs
2. CREATE RUNTIME LOADLIB | Auto | Validating | Text | Prereqs
3. CREATE RUNTIME CAPLIB | Auto | Validating | Text | Prereqs
4. CREATE RUNTIME CAPINDX | Auto | Validating | Text | Prereqs
5. CREATE RUNTIME CLSTLIB | Auto | Validating | Text | Prereqs
6. CREATE RUNTIME DATALIB NOMIG | Auto | Validating | Text | Prereqs
7. CREATE RUNTIME HELPLIB | Auto | Validating | Text | Prereqs
8. CREATE RUNTIME MAPLIB | Auto | Validating | Text | Prereqs
9. CREATE RUNTIME PANELLIB | Auto | Validating | Text | Prereqs
10. CREATE RUNTIME MIBLIB | Auto | Validating | Text | Prereqs
11. CREATE RUNTIME PARMLIB | Auto | Validating | Text | Prereqs
12. CREATE RUNTIME PLOTLIB | Auto | Validating | Text | Prereqs
13. CREATE RUNTIME PROFILE NOMIG | Auto | Validating | Text | Prereqs
14. CREATE RUNTIME RXELLIB | Auto | Validating | Text | Prereqs

5%
Validation is executing

1 - 14 of 52
Configuration - Validate
Configuration - Validate

CA SYSVIEW Performance Management r13.0 - Base

Step Description

1. SETPROG LNKLST, DEFINE, NAME=LNKLST01, COPYFROM=LNKLST00
2. SETPROG LNKLST, ADD, NAME=LNKLST01, DSNNAME=NEWJA04.SYSV13.C01.CMK4BLOD, ATBOTTOM
3. SETPROG LNKLST, ACTIVATE, NAME=LNKLST01

The PROGXW or LNKLSTW member of SYSV13M should be updated to permanently add NEWJA04.SYSV13.C01.CMK4BLOD to the IFL LNKLST set at the desired location in the concatenation.

Close
Configuration - Validate

CA Mainframe Software Manager™

Validate Configuration: ZM33 - NEWJ4A04 CA SYSVIEW Performance Management

100%
Validation was successful

Validation Steps

- Step: CREATE_TRAN_LOGSTREAM
  - Mode: Auto
  - Status: Completed
- Step: CREATE_TSM_LOGSTREAM
  - Mode: Auto
  - Status: Completed
- Step: CREATE_CXLOG_LOGSTREAM
  - Mode: Auto
  - Status: Completed
- Step: CREATE_PLOT_LOGSTREAM
  - Mode: Auto
  - Status: Completed
- Step: CREATE_SXLOG_LOGSTREAM
  - Mode: Auto
  - Status: Completed
- Step: UPDATE_DATAOM_PARM
  - Mode: Auto
  - Status: Completed
- Step: UPDATE_GROUPS_PARM
  - Mode: Auto
  - Status: Completed
- Step: UPDATE_LIM_KEY
  - Mode: External
  - Status: Completed
- Step: UPDATE_SYSUSER_PARM
  - Mode: Auto
  - Status: Completed
- Step: UPDATE_CAPTURE_PARM
  - Mode: Auto
  - Status: Completed

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## Configuration - Validate

### CA Mainframe Software Manager™

**Logged in as:** NEWJA04 (Log Out)

**Tasks** | **Task History**
--- | ---

**Select and:** Delete Tasks

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<th>Name</th>
<th>Type</th>
<th>Status</th>
<th>Start Time</th>
<th>Stop Time</th>
<th>Task ID</th>
<th>Actions</th>
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<tbody>
<tr>
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<td><strong>CA SYSVIEW Performance Management 13.0.0 (NM4.13.0.0)</strong></td>
<td>Base install</td>
<td>✔️</td>
<td>3/10/2011 01:16:12PM</td>
<td>3/10/2011 01:31:42PM</td>
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<td>✔️</td>
<td>3/7/2011 05:56:13PM</td>
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<td>3/7/2011 05:20:13PM</td>
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<td>✔️</td>
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<td><strong>Deploy: PLEXC1 - Datacom v12.0.00</strong></td>
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**Current date and time is 3/12/2011 02:34:18PM**

Show: My tasks | All types | All status | | Start Time | Stop Time
--- | --- | --- | --- | ---

Select: Delete Tasks

---

Copyright © 2011 CA. All rights reserved.
Click Release All or Release Next to start steps. Steps 1 - CREATE_LISTING_DATASETS, 2 - CREATE_RUNTIME_LOADLIB, 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE... are held
Configuration - Implement

Implement Configuration: ZM33 - NEVIA04 CA SYVIEW Performance Management

Click Release All or Release Next to start steps. Steps 1 - CREATE_LISTING_DATASETS, 2 - CREATE_RUNTIME_LOADLIB, 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE_RUNTIME... are held

Implementation Steps

- Set Automatic
- Set Manual

- CREATE_LISTING_DATASETS: Auto, Held
- CREATE_RUNTIME_LOADLIB: Auto, Held
- CREATE_RUNTIME_CAPLIB: Auto, Held
- CREATE_RUNTIME_CAPLIB: Auto, Held
- CREATE_RUNTIME_CAPILOX: Auto, Held
- CREATE_RUNTIME_CLISTLIB: Auto, Held
- CREATE_RUNTIME_DATAALIB: Auto, Held
- CREATE_RUNTIME_HELPLIB: Auto, Held
- CREATE_RUNTIME_MAPLIB: Auto, Held
- CREATE_RUNTIME_PANELLIB: Auto, Held
- CREATE_RUNTIME_PARMLIB: Auto, Held
- CREATE_RUNTIME_PLOTLIB: Auto, Held
- CREATE_RUNTIME_PROFILE: Auto, Held
- CREATE_RUNTIME_REXXLIB: Auto, Held

Selected 0 of 52.
Configuration - Implement

Click Release All or Release Next to start steps. Steps 1 - CREATE_LISTING_DATASETS, 2 - CREATE_RUNTIME_LOADLIB, 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE... are held

<table>
<thead>
<tr>
<th>Select</th>
<th>Step</th>
<th>Mode</th>
<th>Status</th>
<th>Text</th>
<th>Previous</th>
<th>Actions</th>
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<td>3. CREATE_RUNTIME_CAPLIB</td>
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<td>Actions</td>
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<tr>
<td>4. CREATE_RUNTIME_CAPIINOX</td>
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<td>Held</td>
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<td>Held</td>
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<td>Actions</td>
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<tr>
<td>6. CREATE_RUNTIME_DATAIIB NOMIG</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td>7. CREATE_RUNTIME_HELPLIB</td>
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<tr>
<td>12. CREATE_RUNTIME_PLOTLIB</td>
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Selected 0 of 52.
Configuration - Implement

Implement Configuration: ZM33 - NEWJTA04 CA SYSVIEW Performance Management

Steps 2 - CREATE_RUNTIME_LOADLIB, 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE_RUNTIME_CAPINDEX, 5 - CREATE_RUNTIME_CLISTLIB, 6 - CREATE_RUNTIME_DATALIB NOMIG...are held

Implementation Steps

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<th>Select</th>
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<th>Text</th>
<th>Prereq</th>
<th>Actions</th>
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<td>3. CREATE_RUNTIME_CAPLIB</td>
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<td>4. CREATE_RUNTIME_CAPINDEX</td>
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<td>6. CREATE_RUNTIME_DATALIB NOMIG</td>
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<td>7. CREATE_RUNTIME_HELPLIB</td>
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<td>8. CREATE_RUNTIME_MAPLIB</td>
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<td>9. CREATE_RUNTIME_PANELLIB</td>
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<td>10. CREATE_RUNTIME_MIBLIB</td>
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Implement Configuration: ZM33 - NEWJA04 CA SYSVIEW Performance Mana...

Click Release All or Release Next to start steps. Steps 2 - CREATE_RUNTIME_LOADLIB, 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE_RUNTIME_CAPINDEX, 5 - CREATE... are held
Configuration - Implement

Click Release All or Release Next to start steps. Steps 3 - CREATE_RUNTIME_CAPLIB, 4 - CREATE_RUNTIME_CAPINDEX, 5 - CREATE_RUNTIME_CLISTLIB, 6 - CREATE_RUNTIME_RKLIB are held.
Configuration - Implement

Implement Configuration: ZM33 - NEWJAD4 CA SYSVIEW Performance Management

Implementation is executing

11%

CA SYSVIEW Performance Management r13.0 - Base

Select and: Set Automatic | Set Manual | Release | Bypass | Confirm

<table>
<thead>
<tr>
<th>Select</th>
<th>Step</th>
<th>$ Mode $</th>
<th>$ Status $</th>
<th>Text</th>
<th>Prereqs</th>
<th>Actions</th>
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<td>✓ 1. CREATE LISTING DATASETS</td>
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<td>✓ 2. CREATE RUNTIME LOADLIB</td>
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<td>✓ 3. CREATE RUNTIME CAPLIB</td>
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<td>✓ 4. CREATE RUNTIME CAPDX</td>
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<td>✓ 5. CREATE RUNTIME CLISTLIB</td>
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<tr>
<td>✓ 6. CREATE RUNTIME DATALIB NOMIG</td>
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<td><img src="actions.png" alt="No action" /></td>
<td></td>
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<tr>
<td>✓ 7. CREATE RUNTIME HELPLIB</td>
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<td>✓ 8. CREATE RUNTIME MAPLIB</td>
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<td>✓ 9. CREATE RUNTIME PANELLIB</td>
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<td>Executing</td>
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<td>✓ 10. CREATE RUNTIME MIDLIB</td>
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<tr>
<td>✓ 11. CREATE RUNTIME PARMLIB</td>
<td>Auto</td>
<td>Executing</td>
<td><img src="actions.png" alt="No action" /></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓ 12. CREATE RUNTIME PLOTLIB</td>
<td>Auto</td>
<td>Executing</td>
<td><img src="actions.png" alt="No action" /></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓ 13. CREATE RUNTIME PROFILE NOMIG</td>
<td>Auto</td>
<td>Executing</td>
<td><img src="actions.png" alt="No action" /></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓ 14. CREATE RUNTIME RXEKLIB</td>
<td>Auto</td>
<td>Executing</td>
<td><img src="actions.png" alt="No action" /></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Selected 0 of 52.

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## Configuration - Implement

![Implementation Progress](image)

The configuration implementation is currently executing at 32%. The selected step, `20. UPDATE ZOS SP711 MAPS`, is marked as `Waiting on Prereq`s.

### Implementation Steps

<table>
<thead>
<tr>
<th>Select</th>
<th>Step Description</th>
<th>Mode</th>
<th>Status</th>
<th>Text Prereq</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.</td>
<td>CREATE RUNTIME SAMPLIB</td>
<td>Auto</td>
<td>Completed</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>CREATE RUNTIME SECURITY NOMIG</td>
<td>Auto</td>
<td>Completed</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>CREATE GEN NAMES TABLE</td>
<td>Auto</td>
<td>Completed</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>CREATE GEN MODULE</td>
<td>Auto</td>
<td>Executing</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>CREATE ZOS MAPS</td>
<td>Auto</td>
<td>Executing</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>UPDATE ZOS SP711 MAPS</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>21.</td>
<td>ADD_CNMPROBLOG_TO_LINKST</td>
<td>External</td>
<td>Awaiting Confirmation</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>22.</td>
<td>CREATE JES MAPS</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td>UPDATE JES SP711 MAPS</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>24.</td>
<td>CREATE JES CONFIG MODULE</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>25.</td>
<td>UPDATE AUTHLIB</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>26.</td>
<td>ISSUE SETPROG COMMAND SMS</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>27.</td>
<td>ISSUE SETPROG COMMAND NOSMS</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
<tr>
<td>28.</td>
<td>AUTHORIZE RUNTIME LOADLIB</td>
<td>Auto</td>
<td>Waiting on Prereq</td>
<td>No action</td>
<td></td>
</tr>
</tbody>
</table>

| Selected 0 of 52. |

---

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Configuration - Implement

Implement Configuration: ZM33 - NEWJA04 CA SYSVIEW Performance Management

Implementation is executing

32%

Implementation Steps


Select: | Step | Mode | Status | Text Prereq | Actions

15. CREATE RUNTIME SAMPLIB | Auto | Completed | No action
16. CREATE RUNTIME SECURITY NOMIG | Auto | Completed | No action
17. CREATE GEN NAMES TABLE | Auto | Executing | No action
18. CREATE GEN MODULE | Auto | Executing | No action
19. CREATE ZOS MAPS | Auto | Executing | No action
20. UPDATE ZOS SP711 MAPS | Auto | Waiting on Prereq | No action
21. ADD_CNM40BLD_TO_LINKLIST | Auto | Waiting on Prereq | No action
22. CREATE JFS MAPS | Auto | Waiting on Prereq | No action
23. UPDATE JFS SP711 MAPS | Auto | Waiting on Prereq | No action
24. CREATE JFS CONFIG MODULE | Auto | Waiting on Prereq | No action
25. UPDATE AUTHLIB | Auto | Waiting on Prereq | No action
26. ISSUE SETPROG COMMAND SMS | Auto | Waiting on Prereq | No action
27. ISSUE SETPROG COMMAND NOMIG | Auto | Waiting on Prereq | No action
28. AUTHORIZE RUNTIME LOADLIB | Auto | Waiting on Prereq | No action

Selected 0 of 52.

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**Configuration - Implement**

![CA Mainframe Software Manager](image)

<table>
<thead>
<tr>
<th>Select</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>ZM33 - NEWJ04 CA SYSVIEW Performance Management r13.0 - Base #02</strong></td>
</tr>
</tbody>
</table>

**Actions**
- **Implement**
- **Resume Create Wizard**
- **Delete**
- **Build**
- **Validate**
- **Reset Status**
### Configuration - Implement

The image shows the interface of the CA Mainframe Software Manager™. The screen displays a list of tasks and their statuses. The highlighted tasks include:


Each task has a status (Succeeded or Failed), start time, and task ID. The interface also includes options to select and delete tasks.
Implement Configuration: ZM33 - NEWJA04 CA SYSVIEW Performance Management 13.0 - Base

Review the implementation of the configuration below. Click a step to review its actions. You can hide this implementation.

### Implementation Steps

<table>
<thead>
<tr>
<th>Step</th>
<th>Mode</th>
<th>Status</th>
<th>Prereqs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CREATE LISTING DATASETS</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>2. CREATE RUNTIME LOADLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>3. CREATE RUNTIME CAPLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>4. CREATE RUNTIME CAPINDX</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>5. CREATE RUNTIME CLISTLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>6. CREATE RUNTIME DATALIB NOMIG</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>7. CREATE RUNTIME HELPLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>8. CREATE RUNTIME MAPLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>9. CREATE RUNTIME PANNELLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>10. CREATE RUNTIME MIBLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>11. CREATE RUNTIME PARMLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>12. CREATE RUNTIME PLOTLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>13. CREATE RUNTIME PROFILE NOMIG</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
<tr>
<td>14. CREATE RUNTIME REXKLIB</td>
<td>Auto</td>
<td>Completed</td>
<td></td>
</tr>
</tbody>
</table>

100%

Implementation was successful
Getting Started – The CA MSM Resource Center

Presentations
FAQs
Video Tutorials

CA Mainframe Software Manager Resource Center

Here you'll find everything you need to know about how to install and use CA Mainframe Software Manager (CA MSM). Whether you're new to CA MSM and are interested in learning more about it or are an experienced user with a "how to" question, the CA MSM Resource Center is for you.

Presentations

Here are some recent presentations on Mainframe 2.0 and CA Mainframe Software Manager.

CA's Mainframe 2.0: Simplifying the Installation, Deployment, and Configuration of CA Products on z/OS
For the full text of this document, Click here

What's New With CA Mainframe Software Manager r3.1
For the full text of this document, Click here

Into The Future: CA Mainframe Software Manager Roadmap
For the full text of this document, Click here

CA Mainframe Software Manager (CA MSM) Best Practices
For the full text of this document, Click here

Video Tutorials

In the following tutorials, CA MSM experts from CA's Mainframe Solution Center guide you through the process of installing and using CA MSM. If you're new to CA MSM, we recommend that you view each video in sequence. If you have questions about a specific topic, you can also view any of the videos individually. Topics 1-7 will generally be of interest only to those installing and maintaining CA MSM; while topics 8-12 will be of
### Configure One Remote System

<table>
<thead>
<tr>
<th></th>
<th>Traditional Method</th>
<th>With CA MSM</th>
<th>Time Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 1&lt;sup&gt;®&lt;/sup&gt; Tape Management</td>
<td>3 hr 32 min</td>
<td>11 min</td>
<td>95%</td>
</tr>
<tr>
<td>CA 7</td>
<td>3 hr 26 min</td>
<td>20 min</td>
<td>90%</td>
</tr>
<tr>
<td>CA ACF2&lt;sup&gt;™&lt;/sup&gt;</td>
<td>3 hr 20 min</td>
<td>9 min</td>
<td>96%</td>
</tr>
<tr>
<td>CA Datacom&lt;sup&gt;®&lt;/sup&gt;</td>
<td>2 hr 18 min</td>
<td>8 min</td>
<td>94%</td>
</tr>
<tr>
<td>CA Easytrieve&lt;sup&gt;®&lt;/sup&gt;</td>
<td>45 min</td>
<td>3 min</td>
<td>93%</td>
</tr>
<tr>
<td>CA Endevor&lt;sup&gt;®&lt;/sup&gt; SCM</td>
<td>4 hr 20 min</td>
<td>3 min</td>
<td>99%</td>
</tr>
<tr>
<td>CA MIM</td>
<td>3 hr 55 min</td>
<td>21 min</td>
<td>91%</td>
</tr>
<tr>
<td>CA OPS/MVS</td>
<td>5 hr 4 min</td>
<td>56 min</td>
<td>82%</td>
</tr>
<tr>
<td>CA SMF Director</td>
<td>1 hr 48 min</td>
<td>4 min</td>
<td>96%</td>
</tr>
<tr>
<td>CA SYSVIEW&lt;sup&gt;®&lt;/sup&gt; Performance Mgmt.</td>
<td>5 hr 38 min</td>
<td>36 min</td>
<td>89%</td>
</tr>
<tr>
<td>CA Top Secret&lt;sup&gt;™&lt;/sup&gt;</td>
<td>2 hr 25 min</td>
<td>11 min</td>
<td>92%</td>
</tr>
<tr>
<td>TOTALS</td>
<td>36 hr 31 min</td>
<td>182 min</td>
<td>92%</td>
</tr>
</tbody>
</table>

Post configuration steps were not included in the Software Configuration Service times. *Your mileage may vary.*

Source: CA Technologies Lab Results
Looking ahead
CA MSM v4.1

- Many more CA products integrated with Configuration Service
- External Documentation for CA MSM integration, enabling 3rd parties and customers to package software integrated with CA MSM

- Features:
  - SCS: Ability to modify a configuration during build or validate phase
  - SCS: Rename a configuration or changed description at any time
  - Improvements to the usability and management of maintenance within CA MSM (SMP/E tab)
  - APPLY CHECK during an install of product via CA MSM
  - Scalability improvements for supporting large CSI in MSM
  - NTLM v2 Support for network proxy configuration
configurable products by November 2011*

- CA 1 Tape Management
- CA 7 Workload Automation
- CA 11 Restart and Tracking
- CA ACF2
- CA Datacom
- CA EasyTrieve
- CA Endevor
- CA ESP Workload Automation
- CA InterTest Batch
- CA MIM
- CA OPS/MVS
- CA SMF Director
- CA SYSVIEW
- CA Top Secret
- ACF2 for DB2
- Auditor for z/OS
- CA Common Services
- CA Mainframe Application Tuner
- Cleanup for ACF2
- Cleanup for RACF
- Cleanup for Top Secret
- CMDB Connector for z/OS
- Compliance Manager
- DB2 Tools
- Dispatch
- File Master Plus
- File Master Plus for IMS
- Gen
- Ideal
- IDMS
- IMS Tools
- InterTest CICS
- IPC
- NetMaster
- NetSpy
- PDSMAN
- PMO
- SOLVE:Access
- SOLVE:Operations
- Spool
- SymDump
- Top Secret for DB2
- View/Deliver

* As of August 2011, this list may change by GA of CA MSM v4.1
What do you do when preparing to install new software or hardware to make sure you have all of the required CA maintenance applied?

**Current Process**

— Manually check compatibility charts for z/OS, CICS, DB2, etc...
  - e.g., http://www.ca.com/us/support/mainframe-compatibilites/zos-release-compatibility.aspx
  - Read each solution to gather list of required PTFs

**New for August 2011**

— Use SMP/E FIXCAT HOLDDATA
  - https://support.ca.com/irj/portal/anonymous/phpsupcontent?contentID={1426C7AF-3D50-49C1-ACE7-FCC325DCC1B0}
  - CA Technologies supported categories are listed on this page

— Then
  - Acquire and install required maintenance.
  - Check back on CSO for updates just prior to upgrade.
CA MSM direction

- New releases twice a year (V4.1.0 in Nov 2011; V5.0.0 in May 2012)
- Continue to improve the usability and capabilities of CA MSM
- Support IBM service deliverables
- Continue to evolve CA MSM as a non-proprietary solution
- Support and exploit IBM zEnterprise
- Promote mainframe software management best practices
- Adopt Mainframe 2.0 initiatives such as Health Checks in CA MSM
- Integrate with other CA Technologies solutions such as CA Mainframe Chorus
Developing as an open solution

Available to mainframe software vendors
  - Working with ISVs to enable their integration with CA MSM

Exploring options for making CA MSM available across the industry
CA MSM major components

<table>
<thead>
<tr>
<th>Promises Made</th>
<th>Promises Kept</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplification through Automation</td>
<td>Mainframe Software Management</td>
</tr>
</tbody>
</table>

CA Mainframe Software Manager (CA MSM)

<table>
<thead>
<tr>
<th>Web UI</th>
<th>Electronic Software Delivery (ESD)</th>
<th>Standardized SMP/E Installation</th>
<th>Product Acquisition Service</th>
<th>Software Installation Service</th>
<th>Software Deployment Service</th>
<th>Software Configuration Service</th>
</tr>
</thead>
</table>

CA Mainframe Stack

- Best Practices Guides
- Interoperability Certification
- Health Checker Integration
- Mainframe Integrated System Test
- CA Recommended Service
Summary of CA MSM

Provides a familiar Web-based operating environment for software management activities

Drastically reduces the human intervention required to take a product from delivery to execution

Standardizes the acquisition and management of CA Technologies software for z/OS
For more information, please visit

- ca.com/mainframe For all things mainframe
- ca.com/mainframe2 Mainframe 2.0 page
- ca.com/msm CA Mainframe Software Manager™ page
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