CA Chorus™ Software Manager v5.1 Hands-on Lab

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abstract

- CA Chorus™ Software Manager (CA CSM) allows products and maintenance to be downloaded, installed, deployed, and configured via a web browser. It is available at no additional charge to CA customers with any licensed z/OS product.
- In this hands-on lab session you will learn the basics of CA CSM and will install a mainframe product yourself using the CA CSM V5.1 GUI. Experts will be on hand to answer questions and assist along the way.
Lab Exercise

- Login to CA CSM UI
- Navigate to Products Tab
- Install selected product from Available Products List
- Review Installation from SMPE Environment
- **Optional (Depending on Time)** Install maintenance to product/release using CA Recommended Service
Login to CSM

- Workstation is connected to CA VPN
- CSM System and Credentials have been provided at each workstation
- Login to CA CSM UI using ICON on Desktop
Install Selected Product/Release

• Navigate to Products Tab

• Expand the Product List under CA Vendor by selecting + next to CA

• Pick a product from Available Products List to install by expanding + next to product Name

• Once Installed, Install maintenance to product using CA Recommended Service
Install Selected Product/Release

- Pick a product from Available Products List to install by selecting + next to product Name

- Expose the GENLVL by selecting the + next to the release number

- Select the GENLVL to display all of the product package files associated with this release – this list will include all product files you may need for this product
• Sort the list of product files by TYPE to group all Base Install files.
• Identify the appropriate package name for your product release.
• Select the Actions and then Install to begin the Base Installation process.
Base Install Wizard

- CSM initiates task (foreground) to unpack the product file in preparation for installation
  - Time it takes to unpack will vary by package and depend on package size and system resources
- Install Wizard displayed when foreground process completes (see next page)
  - Notice the top portion of the Wizard provides steps involved
  - Notice at the bottom the wizard navigation options
  - If an option is not “enabled” it indicates there is missing information that is preventing moving forward
- Use Online Help as needed
Some products will include README information on this panel. It will be displayed as a link on the Introduction panel.

Make sure you review if present for important information regarding installation.
Depending on the product/release, there may be multiple feature options to select from.

Use Customer Installation to select specific FMIDs.
Feature enabled with CSM v5.1

Products teams will define in package metadata

Currently CHORUS v3.0 is only product exploiting this feature
Determine what CSI Environment to use for Install

CSM will only list existing CSIs that is in its inventory and is selected in a User’s CSI Working Set

Use default for lab
### Target SMP/E Environment Setup

This step lets you set up parameters for the new SMP/E environment and all SMP/E data sets that are related to it. Data set allocation parameters are used for both the SMP/E environment and all SMP/E data sets.

#### SMP/E Environment Name and CSI VSAM Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMP/E Environment Name*</td>
<td>TEST1 CA1</td>
</tr>
<tr>
<td>Data Set Name Prefix*</td>
<td>TEST1.CA1.R126</td>
</tr>
<tr>
<td>Catalog</td>
<td></td>
</tr>
<tr>
<td>Cross-Region</td>
<td>2</td>
</tr>
<tr>
<td>Cross-System</td>
<td>3</td>
</tr>
</tbody>
</table>

#### SMP/E Data Sets Allocation Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Level Qualifier*</td>
<td>TEST1.CA1.R126</td>
</tr>
<tr>
<td>DSN Type</td>
<td>LIBRARY</td>
</tr>
<tr>
<td>SMS Parameters</td>
<td></td>
</tr>
<tr>
<td>VOLSER</td>
<td>TSO21R</td>
</tr>
<tr>
<td>Management Class</td>
<td></td>
</tr>
<tr>
<td>Unit*</td>
<td>3390</td>
</tr>
<tr>
<td>Data Class</td>
<td></td>
</tr>
<tr>
<td>Catalog</td>
<td>YES</td>
</tr>
</tbody>
</table>

All Required fields are indicated with an “*” at end of field name.

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Complete your sessions evaluation online at SHARE.org/SFEval
Provides ability to designate allocation parameters for Work DDDEFs

Use Defaults

List of Datasets for Global Zone are listed with DSN that will be used. Use can use Override link to customize further
Since you are installing into a new CSI environment, only option is to create a new Target Zone.
Notice that parameters specified for Global Zone are carried forward to Target Zone definition

Make adjusts as desired or use defaults
List of Datasets for Target Zone are listed with DSN that will be used. Use can use Override link to customize further.

If your product requires any additional references to external Datasets or USS paths, you will be prompted to enter at top of this panel.
Since you are installing into a new CSI environment, only option is to create a new Distribution Zone.
Notice that parameters specified for Global Zone are carried forward to Distribution Zone definition.

Make adjusts as desired or use defaults.
List of Datasets for Distribution Zone are listed with DSN that will be used.

Use can use Override link to customize further.
A Summary of the selections are presented.

Review the summary for accuracy. Use Back navigation option to make changes.

When selection are verified, Select INSTALL on navigation options to initiate Install Task.
Base Install Task Dialog

Select Progress Tab to display Step Execution Details

Notice Messages at top of wizard changing as activities progress
When Task completes, Show Results button will be enabled

Selecting Show Results will take you to Tasks Tab ➔ Task History and open the Task Output
# Installation Task Output

## CA1 12.6.0 (CA1,12.6)

### General
- **Name:** CA1 12.6.0 (CA1,12.6)
- **Task ID:** 461
- **User ID:** TEST1
- **Status:** Succeeded
- **Status Message:** Succeeded

### Steps

<table>
<thead>
<tr>
<th>#</th>
<th>Name</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pre-installation report</td>
<td>Gathering and writing pre-installation report about the ongoing installation.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>2</td>
<td>Create CSI TEST1.CA1.R126.CSI</td>
<td>Allocating CSI USM dataset TEST1.CA1.R126.CSI</td>
<td>Succeeded</td>
</tr>
<tr>
<td>3</td>
<td>Data Set Allocation</td>
<td>Allocating datasets TEST1.CA1.R126.CSI</td>
<td>Succeeded</td>
</tr>
<tr>
<td>4</td>
<td>Initialize CSI</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>5</td>
<td>Executing SMP/E RECEIVE</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>6</td>
<td>Executing SMP/E APPLY</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>7</td>
<td>Executing SMP/E APPLY CHECK</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>8</td>
<td>Executing SMP/E ACCEPT CHECK</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>9</td>
<td>Executing SMP/E ACCEPT</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>10</td>
<td>Add product to CSI</td>
<td>Executing SMP/E commands using GEMSMP program.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>11</td>
<td>Repository Manager update</td>
<td>Installing new SMP/E Repository and installed functionality.</td>
<td>Succeeded</td>
</tr>
<tr>
<td>12</td>
<td>Post installation cleanup</td>
<td>Cleaning temporary directories and datasets.</td>
<td>Succeeded</td>
</tr>
</tbody>
</table>

Explore output by using Steps Tree on left-hand side

Select Close button when your review is completed to return to the Products Tab
Select the SMP/E Environments Tab

Select the Refresh button in the Top Right-hand corner of screen to update browser cache

Select Your Product Name from the list presented to review install details
Notice that there are several views for each CSI

Review each view to get more information

When your review is completed, return to the SMP/E Environment Information View
Exercise 2 – Time Permitting
Apply Maintenance using CA Recommended Service

Select Upgrade CA RS Level to initiate the CARS Processing Wizard

You can also initiate this from the SMP/E Inventory List for one or more CSIs
Like the Base Install Wizard, the top section displays the steps that will be completed.

Use the Navigation buttons at bottom to move through the wizard.

Introduction

Welcome in the CA RS installation wizard. This wizard allows you to install maintenance packages listed in a CA RS file.
From this screen you will select the CA Recommend Service Level that you will use.

The list is based on the CARS files that have been downloaded to your CSM catalog.

The selection you make is cumulative (all previous CARS levels will be included).
A list of the current Features/FMIDs are presented and ALL are selected by default.

You can eliminate any which you do not wish to update at this time – although this is NOT recommended.
A list of zones in the CSI are presented.

For CSIs with multiple Target zones, you can choose one or more to apply the CARS.
If any PTFs in the CARS files is not already downloaded, CSM will present a list and give you option to download from the wizard.

<table>
<thead>
<tr>
<th>CA RS Processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
</tr>
</tbody>
</table>

This step lists maintenance packages that are missing from Software Catalog and need to be downloaded from the FTP site if any.

There are no maintenance packages that need to be downloaded.
The list of PTFs to be installed will be displayed.

Notice you are not given an opportunity to change this selection since it is derived from the CARS level selected.
Select the SMPE Action you wish to be performed.
Any prerequisite PTFs are verified and available in the CSM Catalog.

If the PTFs are not available, the dialog will not allow you to proceed.

**Prerequisites**

<table>
<thead>
<tr>
<th>PTF</th>
<th>Available</th>
<th>SMP/E Environments without this required PTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO42202</td>
<td>Yes</td>
<td>TEST1, CA1.R1.26, CSTM</td>
</tr>
<tr>
<td>RO43218</td>
<td>Yes</td>
<td>TEST1, CA1.R1.26, CSTM</td>
</tr>
</tbody>
</table>
In order to continue, all HOLDDATA will be BYPASSED.

Use the Export Table link to obtain an HTML version of the Hold information for reviewing.

If any HOLDDATA cannot be bypassed, select Cancel to stop the Dialog.
This panel can be used to override any of the Work DDDEFS defined to the CSI

Use the defined Work DDDEF definitions for this exercise
Like the Base Installation Wizard, the Summary screen presents all options selected before the task is submitted.

Select Install from the Navigation Options to submit the task.
The Task dialog is presented.

Select the Progress Tab to view processing steps

When the Task completes, use the Show Results option to review the task output
Verified installation from SMP/E Environment – Installed Products

### SMP/E Environments

- SMP/E Environments
- CA CCS R14.1 Redo
- CA CSM v5.1
- Chicago-Soft QuickRef r7.6
- TEST1 CA1
  - AG8, 12.05.00
  - AI0, 12.05.00
  - BAF, 12.05.00

### Installed Products

<table>
<thead>
<tr>
<th>Select</th>
<th>Product ID</th>
<th>Version</th>
<th>Description</th>
<th>CA RS level</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AG8</td>
<td>12.05.00</td>
<td>CA-OSI/COMMON COMPONENT-MVS</td>
<td>Current CA RS Level</td>
<td>No action</td>
</tr>
<tr>
<td></td>
<td>AI0</td>
<td>12.05.00</td>
<td>CA 1 MVS Tape Management</td>
<td>Current CA RS Level</td>
<td>No action</td>
</tr>
<tr>
<td></td>
<td>BAF</td>
<td>12.05.00</td>
<td>CA-COMMON TAPE FUNCTIONS-MVS</td>
<td>Current CA RS Level</td>
<td>No action</td>
</tr>
</tbody>
</table>

Selected 0 of 3.
<table>
<thead>
<tr>
<th>Value Proposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unified interface to perform any or all functions</td>
</tr>
<tr>
<td>Allows for gradual adoption</td>
</tr>
<tr>
<td>Faster, repeatable, minimizes risk</td>
</tr>
<tr>
<td>Shortens learning curve for new staff members</td>
</tr>
<tr>
<td>Facilitates inventory management, task management and audit</td>
</tr>
<tr>
<td>Available at no extra charge</td>
</tr>
</tbody>
</table>
CA Chorus 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 Mainframe Software Manager Overview and What's New Highlights. 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.

CA Technologies New Enhanced Testing and Improvements in Mainframe Service Delivery. 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 interest to everyone.

These videos should be viewed in conjunction with the CA Mainframe Software Manager Product Guide and other publications available on the CA Mainframe Software Manager Bookshelf that corresponds with your release of CA MSM.

1. Assessing your System for CA MSM

   Ready to install MSM? This tutorial discusses how to download and run the CA MSM Prerequisite Validator tool to verify that the necessary software, network, and security prerequisites are present on the system where you’ll be installing CA MSM. (running time: 33 minutes)

2. Preparing your System for CA MSM

   Now that your system is ready for CA MSM, this tutorial discusses the pre-installation activities required for the actual installation, including setting up the z/OS Unix environment and gathering configuration information that will be needed during the installation process. (running time: 25 minutes)

3. Installing CA MSM for the First Time

   Preparations are complete, let's get started! This tutorial covers a CA MSM installation in depth, from the setup script to post-installation activities. This video is intended for first-time CA MSM installers. If you’re upgrading an existing CA MSM system to a new release, please see topic #7. (running time: 34 minutes)

4.Logging in to CA MSM for the First Time

   Now that CA MSM has been installed, we're ready to logon to the product and perform some one-time set up tasks. This video covers these topics in detail. (running time: 59 minutes)
Questions?