CA Mainframe Software Manager: User Experiences and V5.1 Update

Summer Spaulding
CA Technologies

Tuesday, February 5, 2013 3:00 PM
Session 13037
abstract

• CA Mainframe Software Manager (CA MSM) 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 session, customers will discuss their experiences with using CA MSM to install and maintain products on z/OS. Then, a representative from CA Technologies' Mainframe Solution Center will review enhancements planned for the upcoming V5.1 release and will discuss the ability to install Chicago-Soft's MVS/QuickRef product using CA MSM.
agenda

• Introduction
• CA MSM Experiences at Base Technologies, Inc.
• CA MSM v5.1 Update
• Using CA MSM to install Chicago-Soft's MVS/QuickRef
• Questions
CA Mainframe Software Manager (CA MSM)

Simplifies CA software management through full life cycle: acquiring, installing, maintaining, deploying, and configuring.
what it provides?

- Downloads software products and service from CA Support Online
  - Includes other artifacts (e.g. PDFs, letters, etc.)
  - Ability to schedule downloads, particularly CARS and HOLDDATA
- Installs products into new or existing CSIs
- Evaluates and installs maintenance into CSIs
  - Selecting one or more PTFs/APARs
  - Use CA Recommended Service (CARS) for selection
  - Use FIXCAT for selection
- Installs “External Maintenance” and “External Packages”
  - i.e. ++APARs, ++USERMODS
  - i.e. Beta products, other vendor products
- Migrates preexisting CSIs into CA MSM
- Deploys product target libraries to local or external systems
- Configures deployed products for production use
Rebranding of CA MSM to CA Chorus Software Manager (CA CSM)

With delivery of v5.1

• Softer look and feel
CA CSM Experiences at Base Technologies Inc

Welcome Mary Anne Matyaz!!!
CA Chorus™ Software Manager (CA CSM) v5.1
GA February 3, 2013

• Enhanced functionality with a new Chorus look-and-feel
• FIXCAT offline mode
• Space Manager to manage temporary space
  • SIS / PAS –
    • allocate only the amount that is needed instead of a set size, eliminating need for dedicated msmtmp space (1500 CYLS)
    • Grow as needed, and then reused if activity continues
    • After inactivity space is released (period of inactivity configurable)
  • SDS – ability to cleanup snapshots after deployment
• Java 7 support
• CA Support Online ID multiple user support
• Prerequisite validator and installation enhancements
Product News on Software Status

• A way to communicate important items to our CSM customer base through new area on the status screen.

January 15, 2013
Did you know that you can now submit your feedback at any time? Click on the feedback link in the lower right corner of the browser, and submit your thoughts, comments, and concerns!

January 14, 2013
We are planning on releasing the CA CSM 5.1 GA candidate build on January 21, 2013. Thank you to everyone who participated in the beta process!

January 4, 2013
Starting in January 2013, CA Technologies will begin shipping monthly CA RS addendums in between the quarterly CA RS levels.

Warning: There are 52 new HIPERs for 4 products.

Warning: 702 new maintenance items are available for 6 products.

Warning: There are 2 new products, 3 new releases, and no new gen levels available.

Information: There are no new CA RS files.

Information: There are no SMP/E environments with missing HIPERs.

Information: There are no SMP/E environments with missing maintenance.
HTTPS support for downloads from CA

Used for all downloads, when selected
- Product, maintenance, CARS, HOLDDATA
- Requires network access to sdownloads.ca.com (using HTTPS Port Number 443)

Provides SECURE data transfer to Mainframe!!
Create policies to manage task output

- Size and number of task output grows
- Need a way to manage this
- Output can be copied or moved to dataset or SYSOUT
- Output can be deleted
- Run the policy one time, or on a schedule
Create New Policy

- Create new policy starts wizard
Archive Options

- Select the archive type and organization
- Daily, weekly, multiple SYSOUT datasets, single SYSOUT dataset
Task Type Selection

• Select the tasks you want to manage
Save and Schedule Policy

- Enter the name, description, and if you want to run on a schedule.
- Can also be run on-demand once saved.
Base Installation Prerequisite Verification

**Base Installation Wizard Panel**

- Previous releases, panel existed but not used
- Requires product teams to add new metadata to base install package
- CA Chorus platform and disciplines will take immediate advantage of this with v3.0
- Other CA Technologies products may take advantage of this in the future
- CA CSM scans all CSIs looking for FMIDs that are defined as prereqs. If any are found it will show a list of those CSIs, you pick the CSI you want to install into.
- If no CSI is found, you can’t install the product.
- Case in point Chorus needs JBOSS installed first, if we don’t find it in any CSIs, you can’t install Chorus Platform
Prerequisite Panel

- Prerequisite screen
- Only supported in CA CSM v5.1 and forward
How it works

- Prerequisite FMID(s) are included in product package metadata
- CSM looks in SMPE Environment CSI Inventory
- Environment(s) and target zone(s) presented
- If not found, Wizard will prevent moving forward
Continued Support as Open Packaging Standard

• Requires SMPE-based installation
• Published Programming Guide
  • Provides instructions about how to create the packaging that allows a product to be installable using CA CSM
  • Not included in the published bookshelf but available upon request
• CA working with a number of ISV vendors to assist with CSM packaging
• Chicago-Soft first ISV vendor to produce CA CSM compatible installation package (MSM v5.0 or higher)
  • QuickRef 7.6 (or higher)
• Phoenix Software International has announced they now deliver EJES in CSM compatible installation package.
Installing Chicago-Soft’s QuickRef with CA CSM

Welcome Tara Velozo!
Download MSM-compatible QuickRef 7.6 (or higher) installation package and any available maintenance:

- [http://www.quickref.com/newQuickRef](http://www.quickref.com/newQuickRef)
Add QuickRef Product to CSM Available Products List
Available Products List updated

### Vendor Information

<table>
<thead>
<tr>
<th>Vendor</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>One CA Plaza, Islandia, NY 11749</td>
<td>Delete Vendor</td>
</tr>
<tr>
<td>Chicago-Soft</td>
<td></td>
<td>Delete Vendor</td>
</tr>
</tbody>
</table>

### Available Products

- **Products**
  - **CA**
  - **Chicago-Soft**
  - **QuickRef**
  - **7.6**
  - **0010**
Import installation package with Add External Package

Vendor

Name: CA
Description: One CA Plaza, Islandia, NY 11749
Actions: Delete Vendor

Name: Chicago-Soft
Actions: Delete Vendor

Add External Package

Enter the path to the package for 0000.

Type of Input Source

- UNIX File
- FTP File

UNIX Path*: /dsmaint/CA/CAESD/QUICKREF_R76.pax.Z

OK Cancel Help
Task Executes
Product Package now Available in CSM
Installation Type Selection

Full Install:
This will install MVS/Quick-Ref
Define Global Zone

### SMP/E Environments

<table>
<thead>
<tr>
<th>Select SMP/E Environments</th>
<th>Create a New SMP/E Environment</th>
</tr>
</thead>
</table>

This step lets you select an SMP/E environment where the selected product features should be installed. You can either select an existing SMP/E environment from your working set, or create a new SMP/E environment.

Create a New SMP/E Environment:
This option lets you create and set up a new SMP/E environment to install the product to.
Global Zone

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>Chicago-Soft QuickRef r7.6</td>
</tr>
<tr>
<td>Data Set Name Prefix*</td>
<td>QWKREF.R76.CSI</td>
</tr>
<tr>
<td>Catalog</td>
<td></td>
</tr>
<tr>
<td>Cross-Region</td>
<td></td>
</tr>
<tr>
<td>Cross-System</td>
<td></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>QWKREF.R76</td>
</tr>
<tr>
<td>DSN Type</td>
<td>LIBRARY</td>
</tr>
<tr>
<td>SMS Parameters</td>
<td></td>
</tr>
<tr>
<td>Data Set Parameters</td>
<td></td>
</tr>
<tr>
<td>Storage Class</td>
<td></td>
</tr>
<tr>
<td>VOLSER*</td>
<td>TSO21D</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>
### Target SMP/E Environment Parameters

This step lets you enter additional parameters necessary to set up the target SMP/E environment and optionally override the allocation parameters of SMP/E data sets.

#### Work DDDEF Parameters

<table>
<thead>
<tr>
<th>Use SMS</th>
<th>Use Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SYSCALLDA</td>
</tr>
</tbody>
</table>

#### Storage Class*

<table>
<thead>
<tr>
<th>Management Class:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

#### Data Class:

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Set Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPHOLD</td>
<td>QWKREF.R76.SMPHOLD</td>
<td>Override</td>
</tr>
<tr>
<td>SMPLOG</td>
<td>QWKREF.R76.SMPLOG</td>
<td>Override</td>
</tr>
<tr>
<td>SMPLOGA</td>
<td>QWKREF.R76.SMPLOGA</td>
<td>Override</td>
</tr>
<tr>
<td>SMPPTS</td>
<td>QWKREF.R76.SMPPTS</td>
<td>Override</td>
</tr>
</tbody>
</table>
Target Zone Selection

This step lets you select the Target zone where the selected product features should be installed.

Create a New Target Zone:
Select this option to create and set up a new Target zone to be used by this product.
Target Zone

### Target Zone Setup

This step lets you set up parameters for the new Target zone and all Target libraries that are related to it.

#### Target Zone Name and CSI VSAM Parameters

<table>
<thead>
<tr>
<th>Target Zone Name*</th>
<th>QWMT700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create New CSI Data Set</td>
<td>[ ]</td>
</tr>
<tr>
<td>Data Set Name Prefix</td>
<td>QWKMREF.R76</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>

#### Target Libraries Allocation Parameters

<table>
<thead>
<tr>
<th>High-Level Qualifier*</th>
<th>QWKMREF.R76</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSN Type</td>
<td>LIBRARY</td>
</tr>
<tr>
<td>SMS Parameters</td>
<td>[ ]</td>
</tr>
<tr>
<td>Data Set Parameters</td>
<td>[ ]</td>
</tr>
<tr>
<td>Storage Class</td>
<td>[ ]</td>
</tr>
<tr>
<td>VOLSER</td>
<td>TSO21D</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>[ ]</td>
</tr>
</tbody>
</table>

Back | Next | Install | Cancel | Help
**Target Zone Parameters**

This step lets you enter additional parameters necessary to set up the Target zone and optionally override the allocation parameters of Target libraries.

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Set Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPMTS</td>
<td>QWKREF.R76.SMPMTS</td>
<td>Override</td>
</tr>
<tr>
<td>SMPSCDS</td>
<td>QWKREF.R76.SMPSCDS</td>
<td>Override</td>
</tr>
<tr>
<td>SMPSTS</td>
<td>QWKREF.R76.SMPSTS</td>
<td>Override</td>
</tr>
<tr>
<td>QWILINK</td>
<td>QWKREF.R76.QWILINK</td>
<td>Override</td>
</tr>
<tr>
<td>QWIMAC</td>
<td>QWKREF.R76.QWIMAC</td>
<td>Override</td>
</tr>
<tr>
<td>QWIMSG</td>
<td>QWKREF.R76.QWIMSG</td>
<td>Override</td>
</tr>
<tr>
<td>QWIPNL</td>
<td>QWKREF.R76.QWIPNL</td>
<td>Override</td>
</tr>
<tr>
<td>QWISRC</td>
<td>QWKREF.R76.QWISRC</td>
<td>Override</td>
</tr>
<tr>
<td>QWITBL</td>
<td>QWKREF.R76.QWITBL</td>
<td>Override</td>
</tr>
</tbody>
</table>

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**Base Installation - MVS/Quick-Ref 7.6 Chicago-Soft, ...**

1. Introduction
2. Features
3. Prerequisites
4. SMP/E Environment (3/3)
5. **Target Zone (3/3)**
6. Distribution Zone Summary
7. Summary

---

[Complete your sessions evaluation online at SHARE.org/SFEval]
### Distribution Zone Selection

**Create a New Distribution Zone:**
Select this option to create and set up a new Distribution zone to be used by this product.

<table>
<thead>
<tr>
<th>Distribution Zones</th>
<th>Create a New Distribution Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select</td>
<td>Distribution Zones</td>
</tr>
</tbody>
</table>

This step lets you select the Distribution zone where the selected product features should be installed.
**Distribution Zone**

**Distribution Zone Setup**

This step lets you set up parameters for the new Distribution zone and all Distribution libraries that are related to it.

### Distribution Zone Name and CSI VSAM Parameters

- **Distribution Zone Name**: QMAID700
  - Create New CSI Data Set
- **Data Set Name Prefix**: QMAKREF.R76
- **Catalog**: 
- **Cross-Region**: 2
- **Cross-System**: 

### Distribution Libraries Allocation Parameters

- **High-Level Qualifier**: QMAKREF.R76
- **DSN Type**: LIBRARY
- **SMS Parameters**: 
  - **Storage Class**: 
  - **Management Class**: 
  - **Data Class**: 
- **Data Set Parameters**: 
  - **VOLSER**: TSO21D
  - **Unit**: 3390
  - **Catalog**: YES
Distribution Zone

**Distribution Zone Parameters**

This step lets you enter additional parameters necessary to set up the Distribution zone and optionally override the allocation parameters of Distribution libraries.

<table>
<thead>
<tr>
<th>Data Sets</th>
<th>Data Set Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQWILINK</td>
<td>QWKREF.R76.AQWILINK</td>
<td>Override</td>
</tr>
<tr>
<td>AQWIMAC</td>
<td>QWKREF.R76.AQWIMAC</td>
<td>Override</td>
</tr>
<tr>
<td>AQWIMSG</td>
<td>QWKREF.R76.AQWIMSG</td>
<td>Override</td>
</tr>
<tr>
<td>AQWIPNL</td>
<td>QWKREF.R76.AQWIPNL</td>
<td>Override</td>
</tr>
<tr>
<td>AQWISRC</td>
<td>QWKREF.R76.AQWISRC</td>
<td>Override</td>
</tr>
<tr>
<td>AQWITBL</td>
<td>QWKREF.R76.AQWITBL</td>
<td>Override</td>
</tr>
</tbody>
</table>
Summary

Installation Information
Selected Installation Type:
Full Install - Full Install

SMP/E Environment
Selected SMP/E Environment:
Create a New SMP/E Environment - A new SMP/E environment will be created for this installation.

SMP/E Environment Name and CSI VSAM Parameters
SMP/E Environment Name: Chicago-Soft QuickRef r7.6
Data Set Name: QWKREF.R76.CSI
Data Sets Prefix: QWKREF,R76

Target Zone
Selected Target Zone:
Create a New Target Zone - A new Target zone will be created for this installation.

Target Zone Name and CSI VSAM Parameters
Target Zone Name: QWIT700
Data Set Name: QWKREF.R76.CSI
Data Sets Prefix: QWKREF,R76

Distribution Zone
Selected Distribution Zone:
Create a New Distribution Zone - A new Distribution zone will be created for this installation.

Distribution Zone Name and CSI VSAM Parameters
Distribution Zone Name: QWID700
Data Set Name: QWKREF.R76.CSI
Data Sets Prefix: QWKREF,R76

Global Zone Data Sets and Allocation Parameters
Data Set Name: QWKREF,R76.SMPHOLD
ALLOC NEW CATALOG DSN(QWKREF,R76.SMPHOLD) TRACKS SPACE(75,15) LRECL(80) BLKSIZE(3120) RECFM(F,B) DSOGR(PS) UNIT(3390).VOL(TSO21D)
Task Dialog – Installation Execution
Added to CSM SMP/E CSI Inventory

### SMP/E Environments

<table>
<thead>
<tr>
<th>Select</th>
<th>Name</th>
<th>Data Set</th>
<th>Tags</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>CA CCS R14.1 Redo</td>
<td>CCS.R141.REDO.CSI</td>
<td>No tags</td>
<td>Actions</td>
</tr>
<tr>
<td>☐</td>
<td>CA CSM v5.1</td>
<td>MPSL.MSM.SMP.CSI</td>
<td>No tags</td>
<td>Actions</td>
</tr>
<tr>
<td>☐</td>
<td>Chicago-Soft QuickRef7.6</td>
<td>QWKREF.R76.CSI</td>
<td>No tags</td>
<td>Actions</td>
</tr>
</tbody>
</table>

Selected 0 of 3.
Import any maintenance packages with Add External Maintenance.

Vendor

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>One CA Plaza, Islandia, NY 11749</td>
</tr>
</tbody>
</table>

Add External Maintenance

- Enter the path to the maintenance for QuickRef/7.7 - Use the asterisk symbol (*) for PDS and PDSE members.

Type of Input Source

- Data Set
- UNIX File
- FTP File

Data Set Name*: TEST1
Want to learn more?

- **MVS/QuickRef - Tailoring QW**
  - Tuesday, February 5, 2013: 4:30 PM-5:30 PM
  - Franciscan B, Ballroom Level

- **CA Recommended Service, FIXCAT Exploitation and Other Enhancements to CA Service Delivery**
  - Thursday, February 7, 2013: 09:30 AM – 10:30 AM
  - Yosemite B, Ballroom Level

- **CA Chorus™ Software Manager (CA CSM) V5.1 Hands-on Lab**
  - Thursday, February 7, 2013: 12:15 PM-1:15 PM
  - Union Square 23-24, Fourth Floor
Questions?