

# Installing ISV Mainframe Products through a Web Browser with CA MSM: Update and User Experiences

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August 8, 2012  
Session 11840



# Agenda

- Environment overview
- MSM installation history and issues
- MSM users
- MSM features used
- Migrating CSIs into MSM
- Acquiring and maintaining software
- Installing software with MSM
- Deploying software with MSM
- MSM Hints and Tips

# Agenda

- **Environment overview**
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- MSM Hints and Tips

# Client Environment

- Two companies supported. Consolidated into a single datacenter in LA in 2003. Moved to Chicago in 2011.
- 5 CPCs: 4 z196 + 1 z10 (one z196 is a SA CF)
- About 50,000 MIPs installed (including zAAPs and zIIPs)
- 3 prod parallel sysplexes with 3/6/9 LPARs, 1 basic prod sysplex with 2 LPARs, 1 devl parallel sysplex with 2 LPARs, 2 sandbox parallel sysplexes with 2 LPARs, 3 monoplex prod LPARs. 1 monoplex sandbox LPAR.
- About 140 TB of DASD, 90TB replicated to DR site
- About 700TB of virtual tape, 100% replicated to DR site (tapeless environment).

# Client Environment

- GRS used for integrity for most of the shop
- All sharing is sysplex in scope except in one case where MIM is used in place of GRS to facilitate sharing a subset of catalogs and DASD between a prod / devl sysplex.
- Shared DASD string for common install libraries between the companies and sysplexes.
- ISV products installed on secondary / tertiary sysres volume and indirectly cataloged with symbollics, i.e. “&ISV01”.

# Client Environment

- Over 75 ISV program products supported by the OS team. Closer to 100 if IBM products are included.
- About 30 CA products currently in use. May be more in the near future as a cost cutting measure for the account.

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- **MSM installation history and issues**
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# MSM History at Client Site

- First installed MSM R2 in December 2009
  - I became interested after seeing MSM at SHARE in Denver
  - CA wanted to come on-site to do the install with me, but I installed it on my own
  - Install was on a z/OS 1.10 RACF system
    - Initially had a problem with unix program control attributes after unwinding pre-validation pax file. Fixed via “extattr +p” unix cmd
    - Installation was completed in a couple of days
  - After initial startup of R2 and catalog tree update, I only saw a few products. The problem was related to my account settings on the CA Support web site. Product display options must be set to “Branded Products” & “my products” empty.



# MSM History at Client Site

- Security...
  - Implemented with internal security at first.
  - Enabled external security about one month later after RACF CDT changes were made + IPL (CDT still in asm/lnk lmod format)
  - RACF team implemented definitions per samples in the MSM manual. “MVS” team ADMINS, others are USERS or no access.
  - Easy to switch back and forth if needed via environment variable in hlq.SAMPLIB(MSMLIB)
- Installed in sandbox first, then re-installed in production
  - Sandbox was removed and subsequent upgrades have only been done in production.
  - We run a single MSM instance and install to shared DASD to support the entire shop.

# MSM History at Client Site

- LPAR chosen to run MSM in production was based on:
  - Capacity - largest sysplex in the environment, most DASD.
  - FTP JESINTERFACELEVEL=2 already implemented (install requirement)
  - “Less critical” production online regions + “TSO LPAR” . Same LPAR where we typically logon to TSO and install software in that sysplex.
  - Access to zAAP(s) due to heavy WAS workload on another LPAR on the CPC. Added a single zAAP LP to the LPAR for MSM’s use.
- I check for new MSM maintenance levels regularly, so many different maintenance upgrades to R2 were installed (I still do this with the currently installed release, but not as often).

# MSM History at Client Site

- Shop Uses Sysplex Sharing of Unix File Systems
  - Found I had some performance issues because some of the zFS files MSM used as R/W were not owned by the MSM LPAR. Corrected by adding some SETOMVS FILESYS commands to the MSMTTC started task:

```
//MSMTTC PROC
*-----**
* Commands to ensure MSM file systems are owned by the LPAR
* that the tomcat server is running on.
*
COMMAND 'SETOMVS FILESYS,FILESYSTEM='SYSTEMS.OMVS.CA.MSM.R2.ROOT.ZF
        S',SYSNAME=&SYSNAME'
COMMAND 'SETOMVS FILESYS,FILESYSTEM='SYSI.CA.MSM.R2.MSMINST.ZFS',S
        YSNAME=&SYSNAME'
COMMAND 'SETOMVS FILESYS,FILESYSTEM='SYSI.CA.MSM.R2.SETUP.ZFS',SYS
        NAME=&SYSNAME'
COMMAND 'SETOMVS FILESYS,FILESYSTEM='SYSTEMS.OMVS.DOWNLOAD.ZOS.ZF
        S',SYSNAME=&SYSNAME'
*-----**
```

- Had a long list of issues / suggestions I discussed with development after using the product for a while

# MSM History at Client Site

- Upgraded from R2 to R3 in June 2010
  - Had to download / install Java V6 as a pre-req. MSM still has its own Java V6 zFS today even though it could share.
  - Painless install / migration - done in one day
  - Saw a number of my issues / suggestions implemented in R3
  - Tested deployment function. Not compatible with indirect cataloging (more later on this).
  - Implemented new consent banner with USS MSG10 text

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# MSM History at Client Site

- Upgraded from R3 to R4.1 in January 2012
  - Caused a problem with CA-11 due to refreshing MSM's Datacom SVC for a new level of Datacom (R12 vs. R11)
    - Datacom's XCF communications always uses the lowest number SVC at the proper level, so CA-11's Datacom was using MSM's SVC on the MSM LPAR for this function without me knowing it.
    - Upgrade checklist said the same SVC number could be chosen
    - Lesson learned: Always use a new SVC number if the Datacom level changes with an MSM upgrade.
    - I plan to use an SVC number for MSM's Datacom higher than the "product solutions" Datacom next install so the other Datacom won't ever use MSM's SVC for XCF when running the same Datacom levels.

# MSM History at Client Site

- Initially installed MSM 4.1 using CCS R11 SP08 + CETN300
- Ambiguous information from release notes and various installation documentation if CETN400 was really required.
- Appeared that CETN400 was only required for Software Configuration Service (SCS) – which was not my main interest in installing R4.1. (deployment with “cat=no” was)
- Tested deployment function again without cataloging output
  - Still didn’t work as advertised
  - PTFs suggested from MSM support, but still didn’t work
  - Eventually needed to upgrade Common Services CETN300 to CETN400, and then it functioned as advertised.
  - Currently running CCS R12 + CETN400

# MSM History at Client Site

- Per recommendation from the best practices guide, I decided to reorg MSM's Datacom database after my 4.1 upgrade:

```
The best practices manual states the following:  
  
After you apply maintenance to your product using CA MSM, we  
recommend that you reorganize your database. Reorganizing your  
database improves overall access to data the next time you use  
CA MSM. Use the database reorganization backup and load process  
to reclaim space and reposition data.  
  
=====
```

Follow these steps:

1. Stop the CA MSM application server (RCF STOP MSMTD)
2. Stop the CA Datacom/MSM server (RCF STOP MSMDBSRV)
3. Verify that your CA MSM multi-user facility (MSMMUF) is active.
4. Submit the JOB B4KBKUP - copied from msmlq.JCL(B4KBKUP)  
The job B4KBKUP creates a current backup of the CA Datacom/MSM  
database 4000 to a sequential file on the disk.
5. Submit JOB B4KLOAD - copied from msmlq.JCL(B4KLOAD)  
Important! You must execute the job B4KLOAD immediately  
following the job B4KBKUP.
6. Start the CA Datacom/MSM server (RCF START MSMDBSRV)
7. Start the CA MSM application server (RCF START MSMTD)

# MSM History at Client Site

- After I restarted MSM, many functions were broken.
- Luckily I had my own DFDSS logical backup that I took prior to the reorg. I run this job prior to any MSM maintenance - even though CA provides a job to back out a “deploy” (deploy is the method of taking the MSM SMP/E maintained code and copying it to the MSM run-time environment).
- After opening an issue with MSM support, who worked with Datacom support, it was found there were missing “CONFIRM” statements in the Datacom reorg reload job. The required changes were related to 4.1 (and perhaps 4.0 also, I’m not sure) and the sample job was never changed nor tested by CA. A PTF was released to update the samples after I verified the fix worked in my environment.



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# MSM Users

- Used by the OS team only (“MVS” and “VTAM”)
  - Positioned for use by other teams, but today virtually all CA products are maintained by the MVS team. Comm Server team currently maintains only one CA product (CA Spool).
  - Myself and one other local person I trained were the only users at first, but I gave several training sessions over the web to the rest of the OS staff supporting the client.
  - Time savings benefit realized immediately via migration of existing SMP/E CSIs into MSM for a number of CA products that we used and were also supported via MSM at the time.

# MSM Users

- Adoption / acceptance immediately from most of the OS staff, especially from a co-worker of mine that is the primary support for installation and maintenance for a majority of the CA products used.
- Some resistance from one team member – until they actually tried it when pressed to get an install done quickly.
- Gave additional training sessions about a year ago to new off shore staff supporting the client. That staff has an average of about 6 years z/OS systems programming experience. The “newbies” seem to like MSM as much as I do.

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## MSM Features Used at Client Site

- MSM is only used for software acquisition, installation and maintenance of products. Deployment is not used and I haven't set up nor tested the configuration service.
  - Tried using deployment in R3, but it didn't work due to local requirement of creating uncataloged output data sets on a secondary maintenance sysres that gets cloned with the IBM OS sysres. While testing I found that "live" cataloged data sets could or would be inadvertently updated (ouch!).
  - MSM 4.0 (never installed) + CETN400 resolved this issue.
  - MSM 4.1 (currently installed) has deployment working for uncataloged data sets, but has only been active since late January and I haven't trained people on deployment yet.

# MSM Features Used at Client Site

- I'm not sure that I will train / encourage people to use deployment at this site:
  - Since we deploy to shared DASD, sysprogs already have batch FDRCOPY/DFDSS jobs to deploy that are quicker and probably easier than MSM, so this may be a hard sell.
  - With batch jobs, we often deploy a subset of target libraries, not all. For example, samplib and macro libs may not be deployed as runtime on our ISV sysres since they may only be used for installation and take up unnecessary space on the volume. Data sets can be added with MSM deployment but not omitted.
  - Indirectly cataloging has to be done regardless – although it is a “one time thing” unless new data sets are added with an upgrade or names are changed by CA (there has been a lot of that lately).

## Products Maintained via MSM at Client

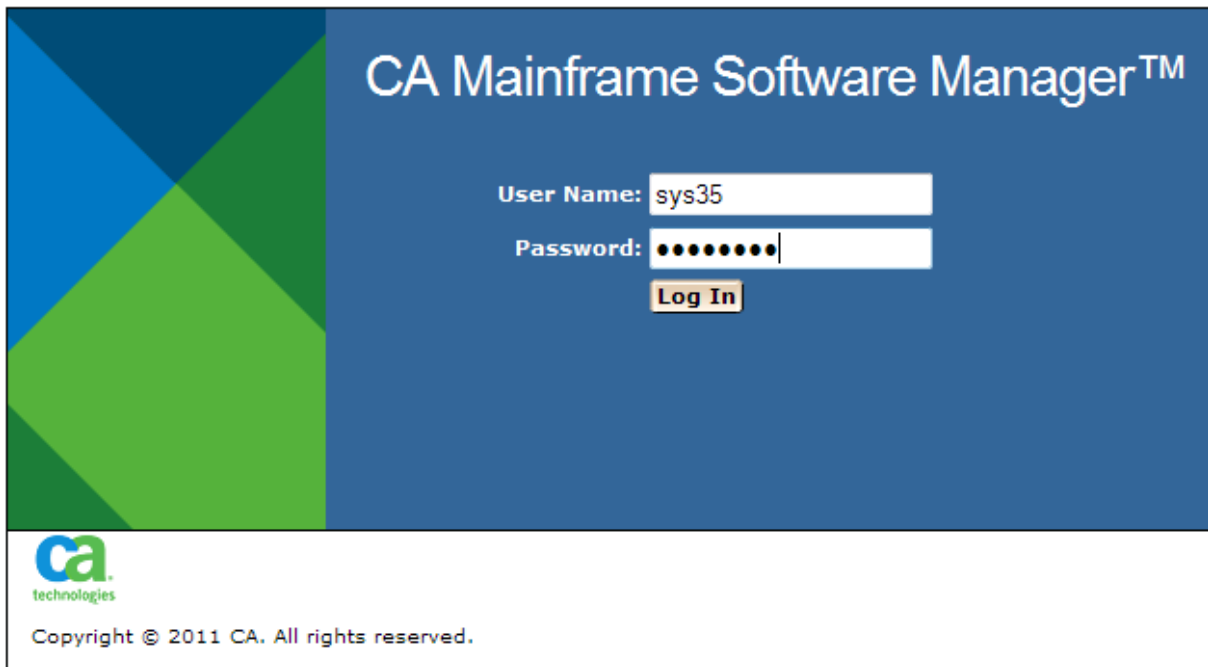
- Initially migrated existing CSIs into MSM as maintenance needed to be applied for existing software versions.
- Subsequent CA software installs / upgrades all done via MSM after MSM implementation and training.
- Currently about 20 CA products in MSM
- At this point most CA software “owned” by the OS team is maintained via MSM.
- Most CA software is no longer installed locally, but MSM is still used for maintaining software via CSI migration and software acquisition.

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# MSM Usage – Migrating Existing CSIs



CA Mainframe Software Manager™

User Name:

Password:

  
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# MSM Usage – Migrating Existing CSIs

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:  
CSI

**Actions**

[Migrate an Existing CSI](#)

**SMP/E Environments**

- SMP/E Environments
- ACF2 15.0 GSES SOE
- ACF2IMS 15.0 GSES SOE
- CA Spool r11.7
- CA Vantage Release 12.6 - GSES
- CA-Allocate GSES SOE
- CA-CCS 12.0 GSES SOE
- CA-Copycat Release 12.0 - GSES
- CA-Datacom/AD 12.0 GSES SOE
- CA-View R11.5
- DATACOM AD R12
- Deliver 11.5
- Easytrieve 11.5 Test (for deployment)

**SMP/E Environments**

Show: All tags  Show Working Set Only

Select and: [Use as Working Set](#) | [Set Automatic Update](#) | [Upgrade CA RS Level](#) | [Exception SYSMOD Report](#) Show All

<input type="checkbox"/> Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI	mark, migrated, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI	dave	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI	migrated, zos113soe, thulasi	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI	migrated, bob, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI	migrated, bob, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA-Datacom/AD 12.0 GSES SOE</a>	MVSSMPS.DATCOMAD.V12.CSI	migrated, bob, zos113soe	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA-View R11.5</a>	SYSI.CA.VIEW.R115.GLOBAL.CSI	bob	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI	bob	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">Deliver 11.5</a>	SYSI.CA.DELIVER.R115.GLOBAL.CSI	bob	<input type="button" value="Actions v"/>

# MSM Usage – Migrating Existing CSIs

CSI Migration

(Log Out)

1 2 3 4 5 6 7

**CSI Data Set Selection**    CSI Functions    Zone DDDEFs    File Systems    Zone Prefixes    Advanced Settings    Summary

Define the CSI data set you want to migrate and the CSI name.

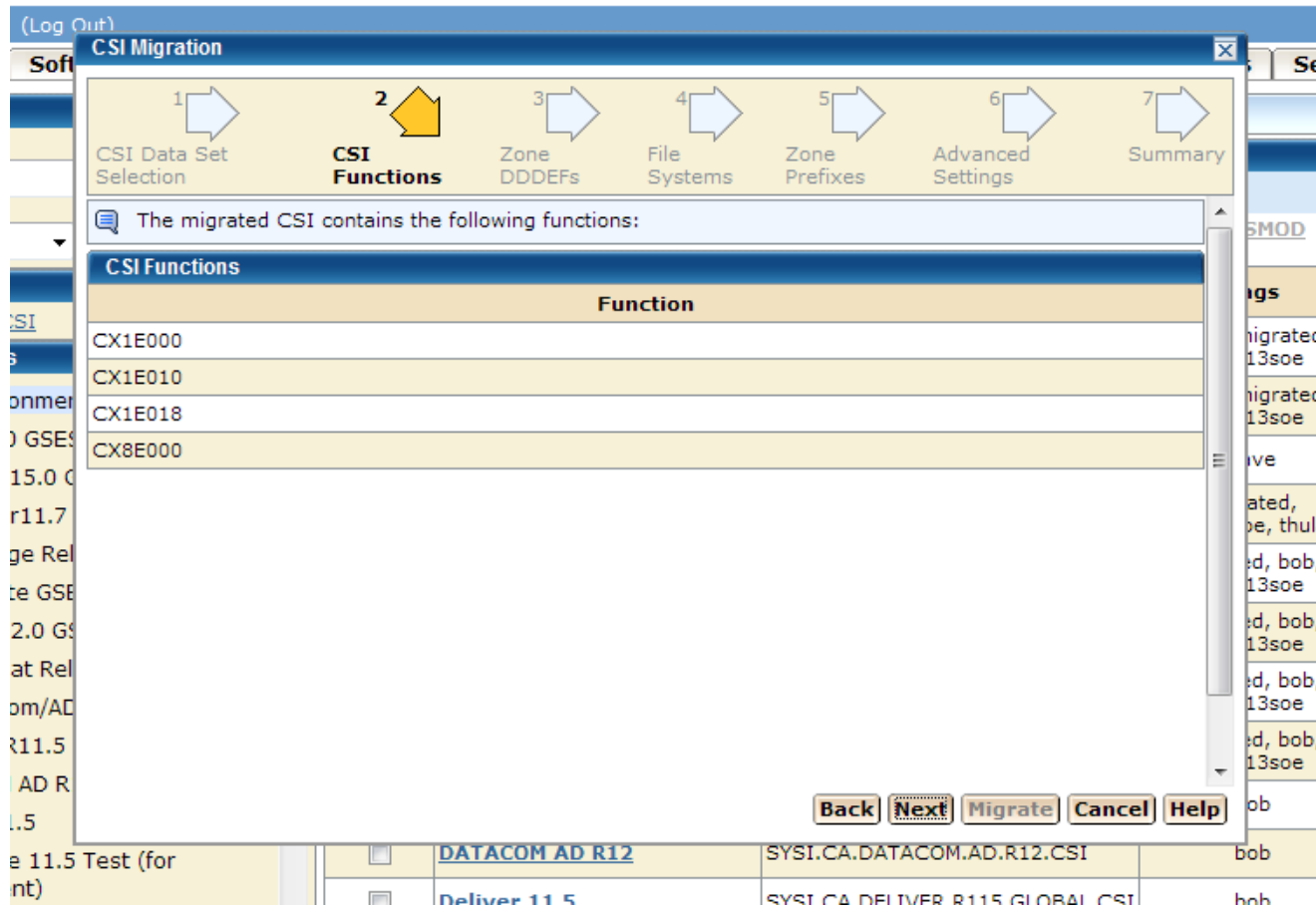
CSI Name\*    ACF2 R14 SP1

CSI Data Set\*    SYSI.CA.ACF2.R14SP1.GLOBAL.CSI

Back    Next    Migrate    Cancel    Help

<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI	bob
<input type="checkbox"/>	<a href="#">Deliver 11.5</a>	SYSI.CA.DELIVER.R115.GLOBAL.CSI	bob

# MSM Usage – Migrating Existing CSIs



The migrated CSI contains the following functions:

Function
CX1E000
CX1E010
CX1E018
CX8E000

Buttons: Back, Next, Migrate, Cancel, Help

# MSM Usage – Migrating Existing CSIs

(Log Out) CSI Migration

1 CSI Data Set Selection    2 CSI Functions    3 **Zone DDEFs**    4 File Systems    5 Zone Prefixes    6 Advanced Settings    7 Summary

Select zones and DDEFs. The selected DDEFs will be added to the selected zones.

Zones				
Valid	Data Set	Type	Name	
✓	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	Distribution	CAID	<a href="#">Manage DDEFs</a>
✓	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	Target	CAIT	<a href="#">Manage DDEFs</a>
✓	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	Global	GLOBAL	<a href="#">Manage DDEFs</a>

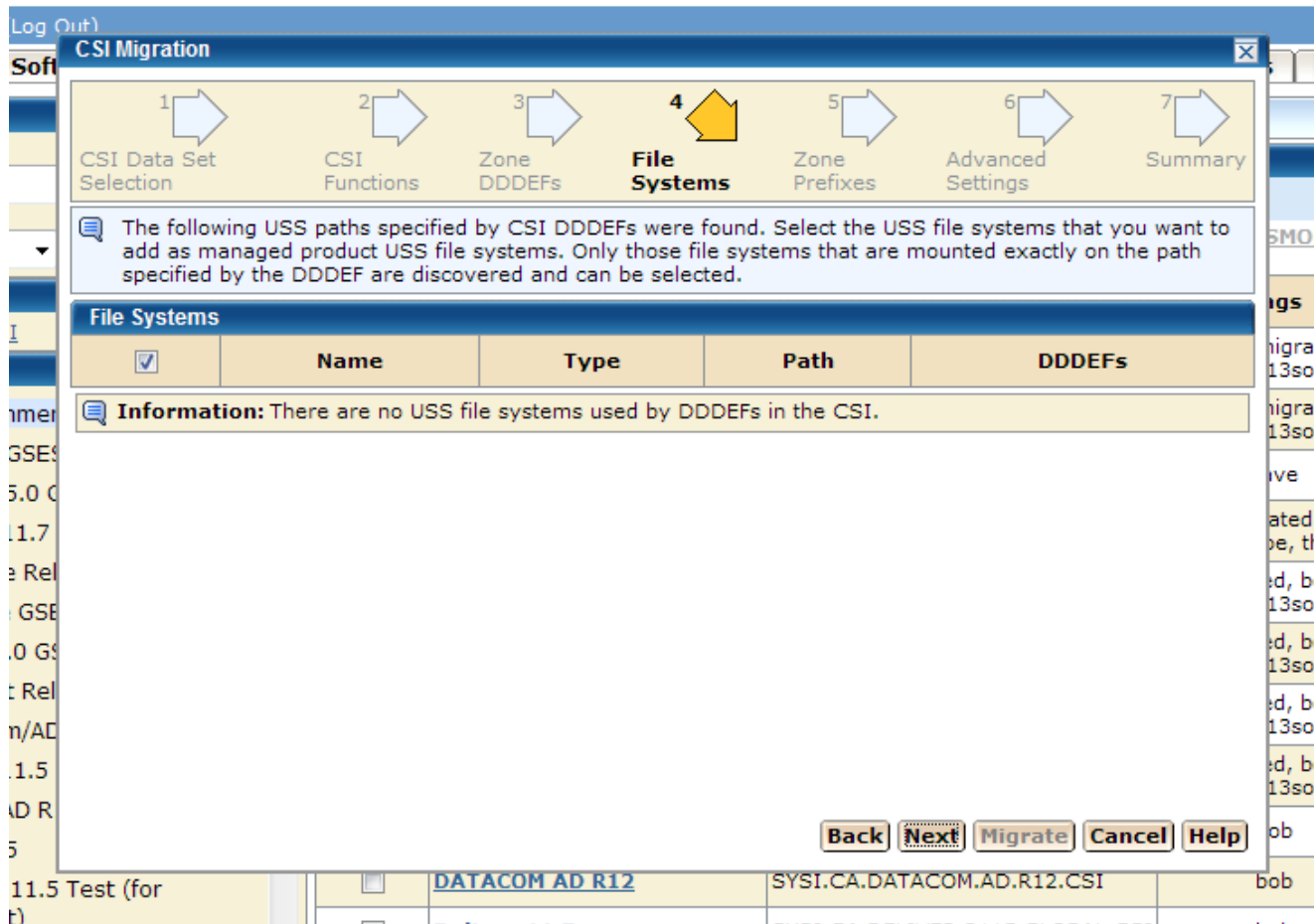
**DDEDF Extraction**

DDEDF JCL

PROCLIB Data Set

<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI	bob
<input type="checkbox"/>	<a href="#">Deliver 11.5</a>	SYSI.CA.DELIVER.R115.GLOBAL.CSI	bob

# MSM Usage – Migrating Existing CSIs



Log Out)

CSI Migration

1 → CSI Data Set Selection    2 → CSI Functions    3 → Zone DDDEFs    **4 → File Systems**    5 → Zone Prefixes    6 → Advanced Settings    7 → Summary

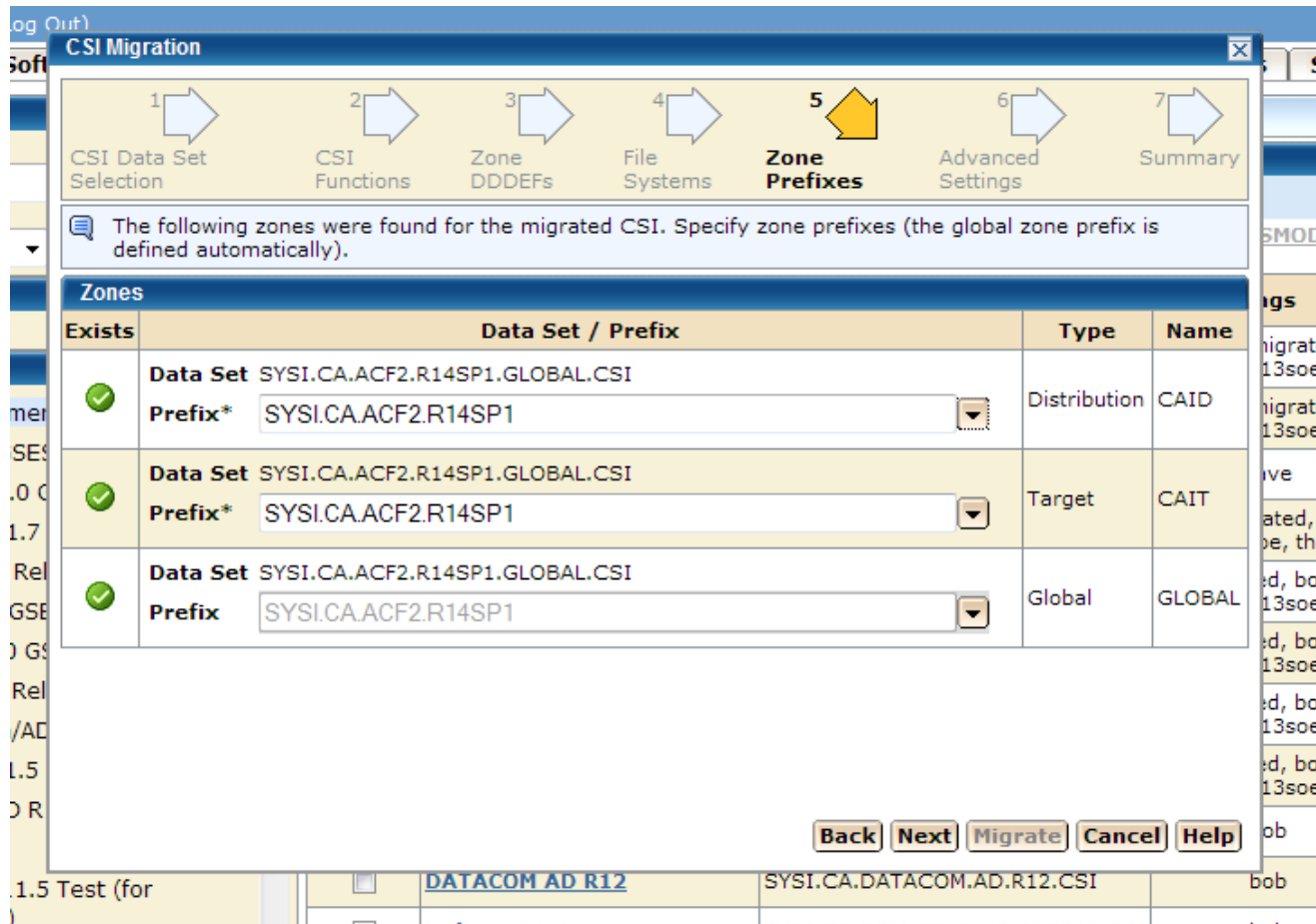
The following USS paths specified by CSI DDDEFs were found. Select the USS file systems that you want to add as managed product USS file systems. Only those file systems that are mounted exactly on the path specified by the DDDEF are discovered and can be selected.

<input checked="" type="checkbox"/>	Name	Type	Path	DDDEFs
<b>Information:</b> There are no USS file systems used by DDDEFs in the CSI.				

Back Next Migrate Cancel Help

11.5 Test (for t)        [DATACOM AD R12](#)    SYSI.CA.DATACOM.AD.R12.CSI    bob

# MSM Usage – Migrating Existing CSIs



The following zones were found for the migrated CSI. Specify zone prefixes (the global zone prefix is defined automatically).

Exists	Data Set / Prefix	Type	Name
✓	Data Set SYSI.CA.ACF2.R14SP1.GLOBAL.CSI Prefix* SYSI.CA.ACF2.R14SP1	Distribution	CAID
✓	Data Set SYSI.CA.ACF2.R14SP1.GLOBAL.CSI Prefix* SYSI.CA.ACF2.R14SP1	Target	CAIT
✓	Data Set SYSI.CA.ACF2.R14SP1.GLOBAL.CSI Prefix SYSI.CA.ACF2.R14SP1	Global	GLOBAL

Buttons: Back, Next, Migrate, Cancel, Help

# MSM Usage – Migrating Existing CSIs

name Software Manager

(Log Out)

**CSI Migration**

1 → CSI Data Set Selection    2 → CSI Functions    3 → Zone DDDEFs    4 → File Systems    5 → Zone Prefixes    **6 → Advanced Settings**    7 → Summary

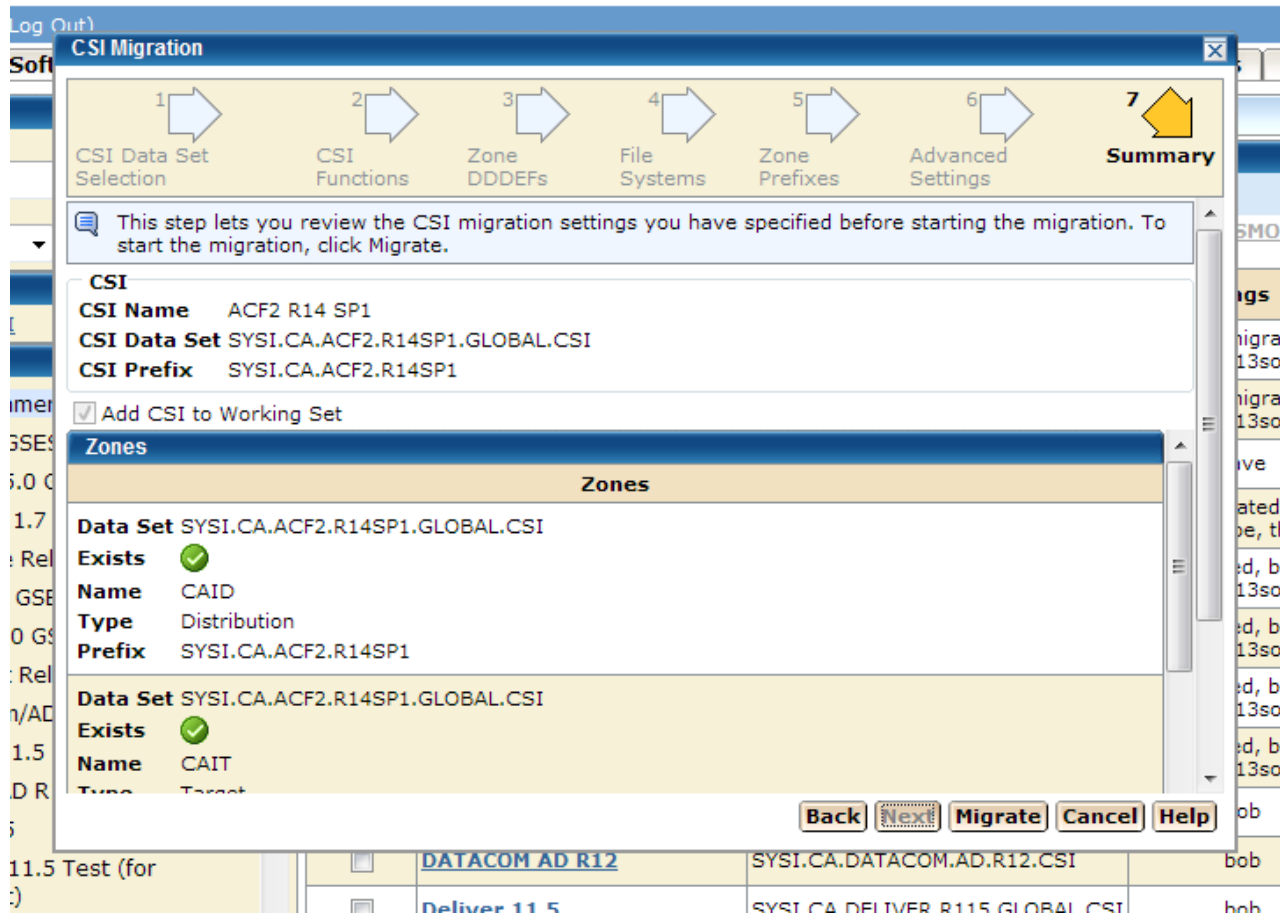
In this step, you can configure advanced migration settings for this CSI.

Add CSI to Working Set

<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI	bob
<input type="checkbox"/>	<a href="#">Deliver 11.5</a>	SYSI.CA.DELIVER.R115.GLOBAL.CSI	bob



# MSM Usage – Migrating Existing CSIs



**CSI Migration**

1 CSI Data Set Selection   2 CSI Functions   3 Zone DDDEFs   4 File Systems   5 Zone Prefixes   6 Advanced Settings   7 **Summary**

This step lets you review the CSI migration settings you have specified before starting the migration. To start the migration, click Migrate.

**CSI**  
**CSI Name** ACF2 R14 SP1  
**CSI Data Set** SYSI.CA.ACF2.R14SP1.GLOBAL.CSI  
**CSI Prefix** SYSI.CA.ACF2.R14SP1

Add CSI to Working Set

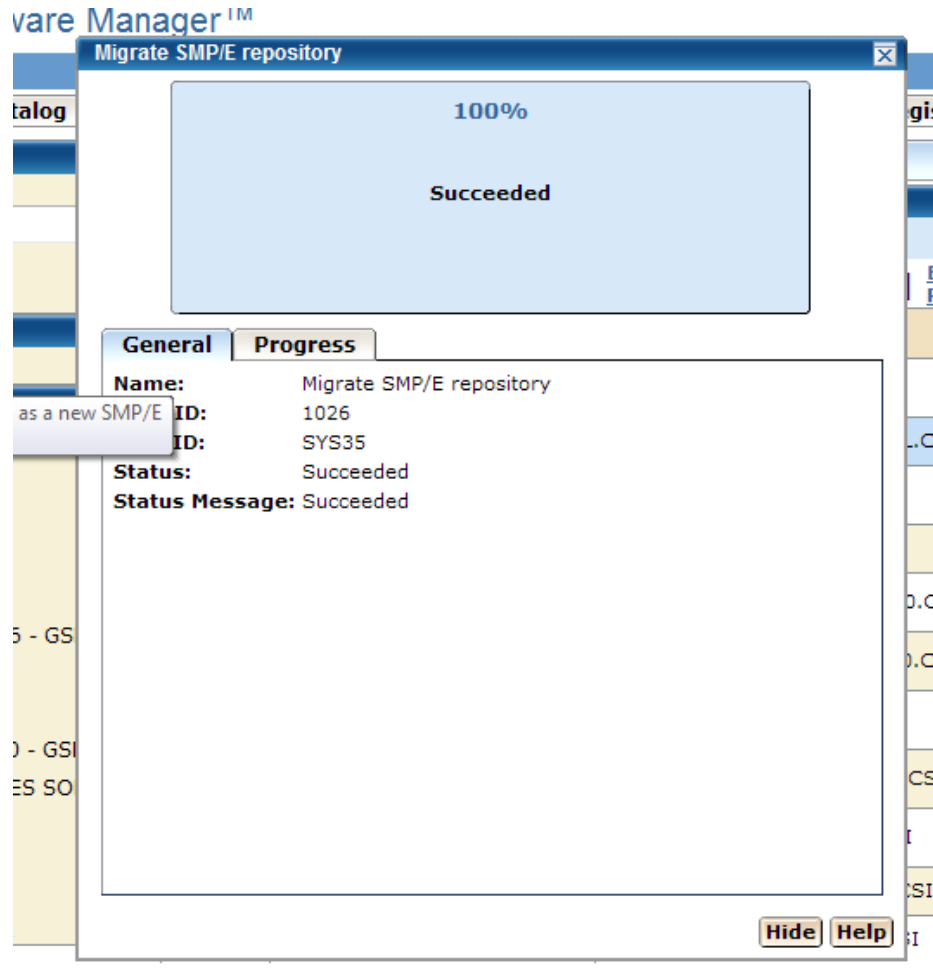
**Zones**

Zones	
<b>Data Set</b>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI
<b>Exists</b>	<input checked="" type="checkbox"/>
<b>Name</b>	CAID
<b>Type</b>	Distribution
<b>Prefix</b>	SYSI.CA.ACF2.R14SP1
<b>Data Set</b>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI
<b>Exists</b>	<input checked="" type="checkbox"/>
<b>Name</b>	CAIT
<b>Type</b>	Target

**Back** **Next** **Migrate** **Cancel** **Help**

<input type="checkbox"/>	<u>DATAKOM AD R12</u>	SYSI.CA.DATAKOM.AD.R12.CSI	bob
<input type="checkbox"/>	<u>Deliver 11 5</u>	SYSI.CA.DELIVER.R115.GLOBAL.CSI	bob

# MSM Usage – Migrating Existing CSIs



# MSM Usage – Migrating Existing CSIs

ca technologies **CA Mainframe Software Manager™**

[Help](#)

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:  
CSI

**Actions**

[Migrate an Existing CSI](#)

**SMP/E Environments**

- [-] SMP/E Environments
  - [+] ACF2 15.0 GSES SOE
  - [+] ACF2 R14 SP1
  - [+] ACF2IMS 15.0 GSES SOE
  - [+] CA Spool r11.7
  - [+] CA Vantage Release 12.6 - GSES
  - [+] CA-Allocate GSES SOE
  - [+] CA-CCS 12.0 GSES SOE
  - [+] CA-Copycat Release 12.0 - GSES
  - [+] CA-Datcom/AD 12.0 GSES SOE
  - [+] CA-View R11.5
  - [+] DATACOM AD R12
  - [+] Deliver 11.5

**SMP/E Environments**

Show: All tags  Show Working Set Only

Select and: [Use as Working Set](#) | [Set Automatic Update](#) | [Upgrade CA RS Level](#) | [Exception SYSMOD Report](#) Show All ▾

<input type="checkbox"/> Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	<input type="button" value="Actions ▾"/>
<input checked="" type="checkbox"/>	<a href="#">ACF2 R14 SP1</a>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	No tags	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI	mark, migrated, zos113soe	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI	dave	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI	migrated, zos113soe, thulasi	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI	migrated, bob, zos113soe	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI	migrated, bob, zos113soe	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA-Datcom/AD 12.0 GSES SOE</a>	MVSSMPS.DATCOMAD.V12.CSI	migrated, bob, zos113soe	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">CA-View R11.5</a>	SYSI.CA.VIEW.R115.GLOBAL.CSI	bob	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI	bob	<input type="button" value="Actions ▾"/>

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# MSM Usage – Acquiring Software

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:

Products

**Actions**

[Update Catalog Tree](#)  
[Show SMP Keys](#)  
[Add ...](#) Update the whole software catalog  
[Install ...](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:

All

**Available Products**

- Products ▾
- CA

**Vendor**

**Vendor Information**

Show All ▾

Name	Description
CA	One CA Plaza, Islandia, NY 11749

# MSM Usage – Acquiring Software

CA Mainframe Software Manager™

Hel

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:  
ACF2

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- CA 7 Workload Automation Smart Console Option - MVS
- CA ACF2 - MVS
  - 14.0
    - SP01
  - 15.0

**CA ACF2 - MVS**

[Products](#) > [CA](#) > CA ACF2 - MVS

**Releases**

Select and: [Update Catalog Releases](#)

<input type="checkbox"/> Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	<a href="#">14.0</a>	0	0	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">15.0</a>	0	0	<input type="button" value="Actions"/>

Selected 0 of 2.

# MSM Usage – Acquiring Software

[Software Status](#) | [Software Catalog](#) | [SMP/E Environments](#) | [Deployments](#) | [Configurations](#) | [System Registry](#) | [Tasks](#) | [Settings](#)

---

**Search**

Search For:  
ACF2

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- CA 7 Workload Automation Smart Console Option - MVS
- CA ACF2 - MVS
  - 14.0
    - SP01
  - 15.0
- CA ACF2 Option for DB2 - MVS
- CA ADS Alive Option - MVS

**14.0**

[Products](#) > [CA](#) > [CA ACF2 - MVS](#) > 14.0


**Maintenance Packages**

Show: All | All for current release | All source IDs

Select and: [Install](#) 0 - 0 of 0

<input type="checkbox"/> Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
Selected 0 of 0.						

**Related SMP/E Environments**

 This table shows the SMP/E environments to which you can install the maintenance listed in the Maintenance Packages table.

Select and: [Update Working Set](#) Show All

<input type="checkbox"/> Select	Name	Data Set
Selected 0 of 0.		

# MSM Usage – Acquiring Software

Logged in as: **SYS35** (Log Out)

[Software Status](#) | [Software Catalog](#) | [SMP/E Environments](#) | [Deployments](#) | [Configurations](#) | [System Registry](#) | [Tasks](#) | [Settings](#)

**Search**

Search For:  
ACF2

Search In:  
Products







**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- ⊕  CA 7 Workload Automation Smart Console Option - MVS
- ⊖  CA ACF2 - MVS
  - ⊖  14.0
    -  SP01 ▶
  - ⊕  15.0
- ⊕  CA ACF2 Option for DB2 - MVS

**SP01**

[Products](#) > [CA](#) > [CA ACF2 - MVS](#) > [14.0](#) > SP01

**Base Install Packages**

Show: All

Select and: [Download](#)

<input type="checkbox"/> Select	Name	Last Modified Date	Type	Download Status	Size	Release/Gen Level	Actions
Selected 0 of 0.							



# MSM Usage – Acquiring Software

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

---

**Search**

Search For:  
ACF2

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**



- + CA 7 Workload Automation Smart Console Option - MVS
- CA ACF2 - MVS
  - 14.0
    - SP01
  - + 15.0
- + CA ACF2 Option for DB2 - MVS

**CA ACF2 - MVS**

[Products](#) > [CA](#) > CA ACF2 - MVS

**Releases**

Select and: [Update Catalog Releases](#)

<input type="checkbox"/> Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	<a href="#">14.0</a>	0	0	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">15.0</a>	0	0	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">  Update Catalog Release   Product Documentation                 </div>

Selected 0 of 2.

# MSM Usage – Acquiring Software

Acquiring CA ACF2 - MVS 14.0

29%

1027 - Getting Product/Release Information - Transferred : 4388216 bytes of 50254848

**General** **Progress**

**Name:** Acquiring CA ACF2 - MVS 14.0  
**Task ID:** 1027  
**User ID:** SYS35  
**Status:** Executing  
**Status Message:** 1027 - Getting Product/Release Information - Transferred : 4388216 bytes of 50254848

Hide Help

Acquiring CA ACF2 - MVS 14.0

50%

1027 - Getting Product/Release Information - Getting solutions for component ACF2MS. Processed 300 PTFS. Getting batch 4.

**General** **Progress**

**Name:** Acquiring CA ACF2 - MVS 14.0  
**Task ID:** 1027  
**User ID:** SYS35  
**Status:** Executing  
**Status Message:** 1027 - Getting Product/Release Information - Getting solutions for component ACF2MS. Processed 300 PTFS. Getting batch 4.

Hide Help

# MSM Usage – Acquiring Software

Acquiring CA ACF2 - MVS 14.0

26%

1027 - Getting Product/Release Information - Downloading RO32101.BIN (size of 65280 bytes).

**General** | **Progress**

**Name:** Acquiring CA ACF2 - MVS 14.0  
**Task ID:** 1027  
**User ID:** SYS35  
**Status:** Executing  
**Status Message:** 1027 - Getting Product/Release Information - Downloading RO32101.BIN (size of 65280 bytes).

Hide Help

Acquiring CA ACF2 - MVS 14.0

100%

Succeeded

**General** | **Progress**

**Name:** Acquiring CA ACF2 - MVS 14.0  
**Task ID:** 1027  
**User ID:** SYS35  
**Status:** Succeeded  
**Status Message:** Succeeded

Hide Help

# MSM Usage – Maintaining Software

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

**SP01**

Products > CA > CA ACF2 - MVS > 14.0 > SP01

Base Install Packages Add External Package

Show: All

Select and: **Download** Show All

Select	Name	Last Modified Date	Type	Download Status	Size	Release/Gen Level	Actions
<input type="checkbox"/>	<a href="#">ACF2 APAR MEDIA - ESD ONLY</a>	Jan 4, 2012	Base Install	Yes	709 Kb	14.0/AT01	Actions
<input type="checkbox"/>	<a href="#">ACF2 PRODUCT MAINT LETTER</a>	Feb 26, 2010	PDF	Yes	207 Kb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA ACF2 PRODUCT PACKAGE</a>	Aug 22, 2011	Base Install	Yes	40 Mb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA COMMON SERVICES COVER LTR</a>	Jun 26, 2012	PDF	Yes	187 Kb	14.1/0000	Actions
<input type="checkbox"/>	<a href="#">CA LDAP SERVER - ESD ONLY</a>	Feb 4, 2010	Base Install	Yes	13 Mb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA LDAP SERVER COVER LETTER</a>	Feb 28, 2011	PDF	Yes	291 Kb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA MSM COVER LETTER</a>	May 16, 2012	PDF	Yes	182 Kb	5.0/0000	Actions
<input type="checkbox"/>	<a href="#">CA MSM PRE VAL UTIL-ESD ONLY</a>	May 30, 2012	Base Install (Non SMP/E)	Yes	3 Mb	5.0/0000	Actions

# MSM Usage – Maintaining Software

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:  
ACF2

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- CA 7 Workload Automation Smart Console Option - MVS
- CA ACF2 - MVS
  - 14.0
    - SP01
  - 15.0
- CA ACF2 Option for DB2 - MVS
- CA ADS Alive Option - MVS

**CA ACF2 - MVS**

[Products](#) > [CA](#) > CA ACF2 - MVS

**Releases**

Select and: [Update Catalog Releases](#)

<input type="checkbox"/> Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	<a href="#">14.0</a>	48	381	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">15.0</a>	0	0	<input type="button" value="Actions"/>

Selected 0 of 2.

# MSM Usage – Maintaining Software

Logged in as: **SYS35** (Log Out)

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

**14.0**

Products > CA > CA ACF2 - MVS > 14.0

Maintenance Packages Add External Maintenance Refresh

Show: All | All for current release | All source IDs

Select and: Install | 1 - 100 of 1078

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	<a href="#">RO27079</a>	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Feb 16, 2011	APAR	No CSI available	Actions
<input type="checkbox"/>	<a href="#">RO20075</a>	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Jul 1, 2010	APAR	No CSI available	Actions
<input type="checkbox"/>	<a href="#">RO20081</a>	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Jul 1, 2010	PTF	No CSI available	Actions
<input type="checkbox"/>	<a href="#">RO27182</a>	\$UNI_TRACK GIVES RC=-3 FOR FUNCTIONS ALLOC/DEALLOC.	Feb 22, 2011	APAR	No CSI available	Actions
<input type="checkbox"/>	<a href="#">RO27345</a>	\$UNI_TRACK GIVES RC=-3 FOR FUNCTIONS ALLOC/DEALLOC.	Feb 28, 2011	APAR	No CSI available	Actions
<input type="checkbox"/>	<a href="#">RI20046</a>	* CA COMMON SERVICES R12 FOR Z/OS COMPONENT XREF *	Jun 30, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	<a href="#">RI20416</a>	* CAILPA DATASET REQUIREMENT WITH CCS R12 CAIRIM *	Jul 25, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	<a href="#">OI95110</a>	* DO I NEED TO INSTALL THE CCS COMPONENT DATACOM/TR? ** CASOINIT DIMDARM EXAMPLE	Feb 24, 2008	PEA/PDC	Not installable	Actions

# MSM Usage – Maintaining Software

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

14.0

Products > CA > CA ACF2 - MVS > 14.0

Maintenance Packages Add External Maintenance Refresh

Show: All CA ACF2 PRODUCT PACKAGE All source IDs

Select and: Install << < 301 - 400 of 435 > >>

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	<a href="#">R030286</a>	TA9051B: SEVERAL ERRORS IN ACF2 HELP DATA	May 10, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R025582</a>	TA9053B: ORPHANED LSQA SP255 XRLT BLOCKS	Dec 21, 2010	HIPER PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R035811</a>	TA9057B: Z/OS 1.13 COMPATIBILITY CHANGES	Oct 3, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R035830</a>	TA9057S: Z/OS 1.13 COMPATIBILITY CHANGES	Oct 3, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R026012</a>	TA9062S: ACF00119 TRYING TO INSERT A REALM RECORD	Jan 12, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R032249</a>	TA9065B: MINOR ERRORS IN CIA UNLOAD PROCESS	Jun 30, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>
<input type="checkbox"/>	<a href="#">R026098</a>	TA9068B: SB78 ACF60CME	Jan 18, 2011	PTF	<a href="#">All zones (1)</a>	<span>Actions</span>

# MSM Usage – Maintaining Software

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:   
 CSI

**Actions**

Migrate an Existing CSI

**SMP/E Environments**

- [-] SMP/E Environments
  - [+] ACF2 15.0 GSES SOE
  - [-] ACF2 R14 SP1
    - [+] CAACF2,14.00.00
  - [+] ACF2IMS 15.0 GSES SOE
  - [+] CA Spool r11.7
  - [+] CA Vantage Release 12.6 - GSES
  - [+] CA-Allocate GSES SOE
  - [+] CA-CCS 12.0 GSES SOE
  - [+] CA-Copycat Release 12.0 - GSES
  - [+] CA-Datcom/AD 12.0 GSES SOE
  - [+] CA-View R11.5
  - [+] DATACOM AD R12

**ACF2 R14 SP1**

SMP/E > ACF2 R14 SP1

▶ Installed Products ▶ CSI Information ▼ Maintenance ▶ Pending Installations

**Maintenance View Criteria**

**Selected Zones:** CAIT, CAID  
**Selected Functions:** No scope defined

**Maintenance**

Select one or more maintenance packages to be executed.

Show: No CARs filter ▼

Select and: [Install](#) | [Receive](#) | [Apply](#) | [Apply GROUPEXTEND](#) | [Accept](#) | [Accept GROUPEXTEND](#) | [Reject](#) | [Restore](#) 1 - 1

<input type="checkbox"/> Filter		All		All	All
<input type="checkbox"/> Select	Fix #	Type	Description	Function	Status
<input type="checkbox"/>	<a href="#">RO08970</a>	PTF	TA8572B: S378-1C ACFRPTL ACF45RRL	CX1E000	<a href="#">Superseded</a>
<input type="checkbox"/>	<a href="#">RO08999</a>	PTF	TA8539B: BAD PROMPT FOR LOGONID W/MODIFY FAILURE	CX1E000	<a href="#">Superseded</a>
<input type="checkbox"/>	<a href="#">RO10159</a>	HIPER PTF	TA8615B: SUBPOOL 230 STORAGE LEAK	CX1E000	<a href="#">Superseded</a>
<input type="checkbox"/>	<a href="#">RO10160</a>	PTF	TA8658B: UPDATES FOR CMGR AND DB2 ROLE SUPPORT	CX1E000	<a href="#">Superseded</a>



# MSM Usage – Maintaining Software

Select and: [Install](#) | [Receive](#) | [Apply](#) | [Apply GROUPEXTEND](#) | [Accept](#) | [Accept GROUPEXTEND](#) | [Reject](#) | [Restore](#) Show All ▾

<input checked="" type="checkbox"/> Filter		All		All	Not received	
<input type="checkbox"/> Select	Fix #	Type	Description	Function	Status	Actions
<input type="checkbox"/>	<a href="#">RO40586</a>	PTF	TA9252S: INIT_ACEE RETURN CODE 8/8:4 ON IDID PARM	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40671</a>	PTF	TA9231S: PKI SERVICES GENCERT NOT BEFORE 12/31	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40672</a>	PTF	TA8536S: SAFHFACF: SKIP INVALID DIRECTORY NAMES	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40728</a>	PTF	TA9215S: SAFOESMF S0C4 ON INIT_ACEE WITH IDID_AREA	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40730</a>	PTF	TA9188B: UNIX DATA SET ACCESS SUPPORT	CX1E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40731</a>	PTF	TA9188S: UNIX DATA SET ACCESS SUPPORT	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO40883</a>	PTF	TA9258S: UNABLE TO CHKCERT/INSERT CERTIFICATE	CX8E000	Not received	<a href="#">Actions</a> ▾
<input type="checkbox"/>	<a href="#">RO41003</a>	PTF	TA9288S: ENVIRONIN INIT_ACEE SPURIOUS 8/8:4 RETCODE	CX8E000	Not received	<a href="#">Actions</a> ▾

# MSM Usage – Maintaining Software

Select and: [Install](#) | [Receive](#) | [Apply](#) | [Apply GROUPEXTEND](#) | [Accept](#) | [Accept GROUPEXTEND](#) | [Reject](#) | [Restore](#) Show All ▾

Filter Install selected maintenance packages All ▾ Not received ▾

<input checked="" type="checkbox"/> Select	Fix #	Type	Description	Function	Status	Actions
<input checked="" type="checkbox"/>	<a href="#">RO40586</a>	PTF	TA9252S: INIT_ACEE RETURN CODE 8/8:4 ON IDID PARM	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40671</a>	PTF	TA9231S: PKI SERVICES GENCERT NOT BEFORE 12/31	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40672</a>	PTF	TA8536S: SAFHFACF: SKIP INVALID DIRECTORY NAMES	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40728</a>	PTF	TA9215S: SAFOESMF S0C4 ON INIT_ACEE WITH IDID_AREA	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40730</a>	PTF	TA9188B: UNIX DATA SET ACCESS SUPPORT	CX1E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40731</a>	PTF	TA9188S: UNIX DATA SET ACCESS SUPPORT	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO40883</a>	PTF	TA9258S: UNABLE TO CHKCERT/INSERT CERTIFICATE	CX8E000	Not received	<a href="#">Actions ▾</a>
<input checked="" type="checkbox"/>	<a href="#">RO41003</a>	PTF	TA9288S: ENVIRONIN INIT_ACEE SPURIOUS 8/8:4 RETCODE	CX8E000	Not received	<a href="#">Actions ▾</a>

# MSM Usage – Maintaining Software

Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction 2 Select Maintenance 3 Select CSIs 4 Select Options 5 Prerequisites 6 HOLDDATA 7 SMP/E Work DDDEFs 8 Summary

**Introduction**

You are about to install the following maintenance packages:  
 RO40586, RO40671, RO40672, RO40728, RO40730, RO40731, RO40883, RO41003, RO41347,  
 RO41349, RO42867, RO44181, RO44259, RO44886, RO45404, RO45538, RO45968, RO46780,  
 RO46838, RO46839, RO47067, RO47398, RO47434, RO47493, RO47494, RO48180, RO48202

Review your selection in the following screens, select CSIs where the maintenance will be installed to and provide installation schedule. To continue click the Next button.

ca technologies

Back Next Install Cancel Help

# MSM Usage – Maintaining Software

Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction 2 **Select Maintenance** 3 Select CSIs 4 Select Options 5 Prerequisites 6 HOLDDATA 7 SMP/E Work DDDEfs 8 Summary

Select Maintenance

1 - 10 of 27

<input checked="" type="checkbox"/> Select	Name	Description
<input checked="" type="checkbox"/>	RO40586	TA9252S: INIT_ACEE RETURN CODE 8/8:4 ON IDID PARM
<input checked="" type="checkbox"/>	RO40671	TA9231S: PKI SERVICES GENCERT NOT BEFORE 12/31
<input checked="" type="checkbox"/>	RO40672	TA8536S: SAFHFAC: SKIP INVALID DIRECTORY NAMES
<input checked="" type="checkbox"/>	RO40728	TA9215S: SAFOESMF S0C4 ON INIT_ACEE WITH IDID_AREA
<input checked="" type="checkbox"/>	RO40730	TA9188B: UNIX DATA SET ACCESS SUPPORT
<input checked="" type="checkbox"/>	RO40731	TA9188S: UNIX DATA SET ACCESS SUPPORT
<input checked="" type="checkbox"/>	RO40883	TA9258S: UNABLE TO CHKCERT/INSERT CERTIFICATE
<input checked="" type="checkbox"/>	RO41003	TA9288S: ENVIRONIN INIT_ACEE SPURIOUS 8/8:4 RETCODE
<input checked="" type="checkbox"/>	RO41347	TA9218B: DIFFERENT MSG FOR ACFNRULE NO-RULE COND.
<input checked="" type="checkbox"/>	RO41349	TA9288T: CORRECT PRE/SUP LIST FOR RO41003/TA9288S

Back Next **Install** Cancel Help

# MSM Usage – Maintaining Software

Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction   2 Select Maintenance   **3 Select CSIs**   4 Select Options   5 Prerequisites   6 HOLDDATA   7 SMP/E Work DDDEFs   8 Summary

**Select CSIs**

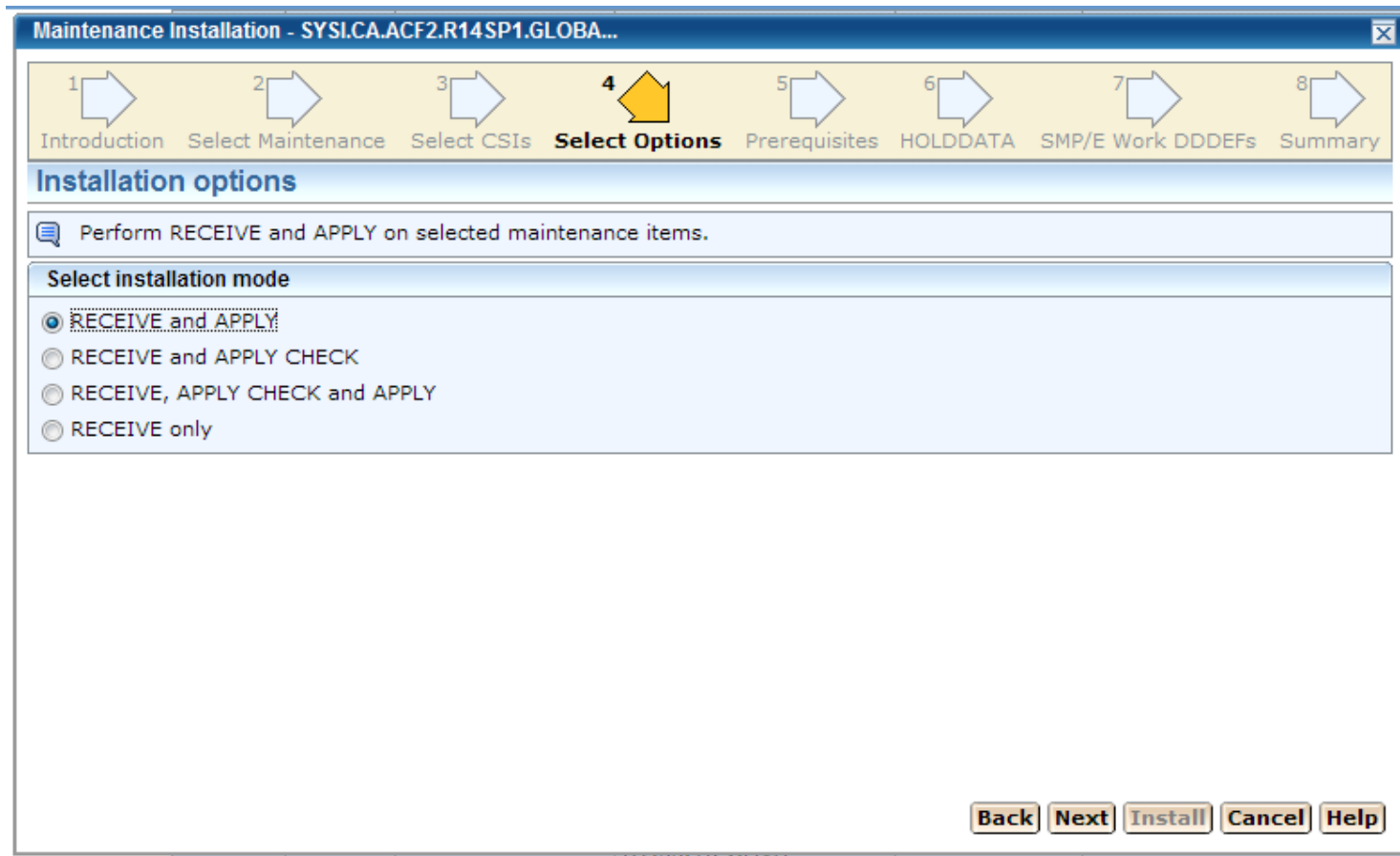
Select CSIs where the maintenance packages will be installed to.

**Select CSIs**

Show: Working Set | [All](#)

<input checked="" type="checkbox"/> Select	Name	CSI Data Set	Zones	Actions
<input checked="" type="checkbox"/>	ACF2 R14 SP1	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	Automatic	<input type="button" value="Select Zones"/>

# MSM Usage – Maintaining Software



The screenshot shows a window titled "Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...". At the top, there is a progress bar with eight steps: 1 Introduction, 2 Select Maintenance, 3 Select CSIs, 4 **Select Options** (highlighted with a yellow arrow), 5 Prerequisites, 6 HOLDDATA, 7 SMP/E Work DDDEFs, and 8 Summary. Below the progress bar, the "Installation options" section contains a message: "Perform RECEIVE and APPLY on selected maintenance items." Underneath, the "Select installation mode" section has four radio button options:  RECEIVE and APPLY,  RECEIVE and APPLY CHECK,  RECEIVE, APPLY CHECK and APPLY, and  RECEIVE only. At the bottom right, there are five buttons: Back, Next, Install, Cancel, and Help.

# MSM Usage – Maintaining Software

Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction 2 Select Maintenance 3 Select CSIs 4 Select Options **5 Prerequisites** 6 HOLDDATA 7 SMP/E Work DDDEfs 8 Summary

**Prerequisites**

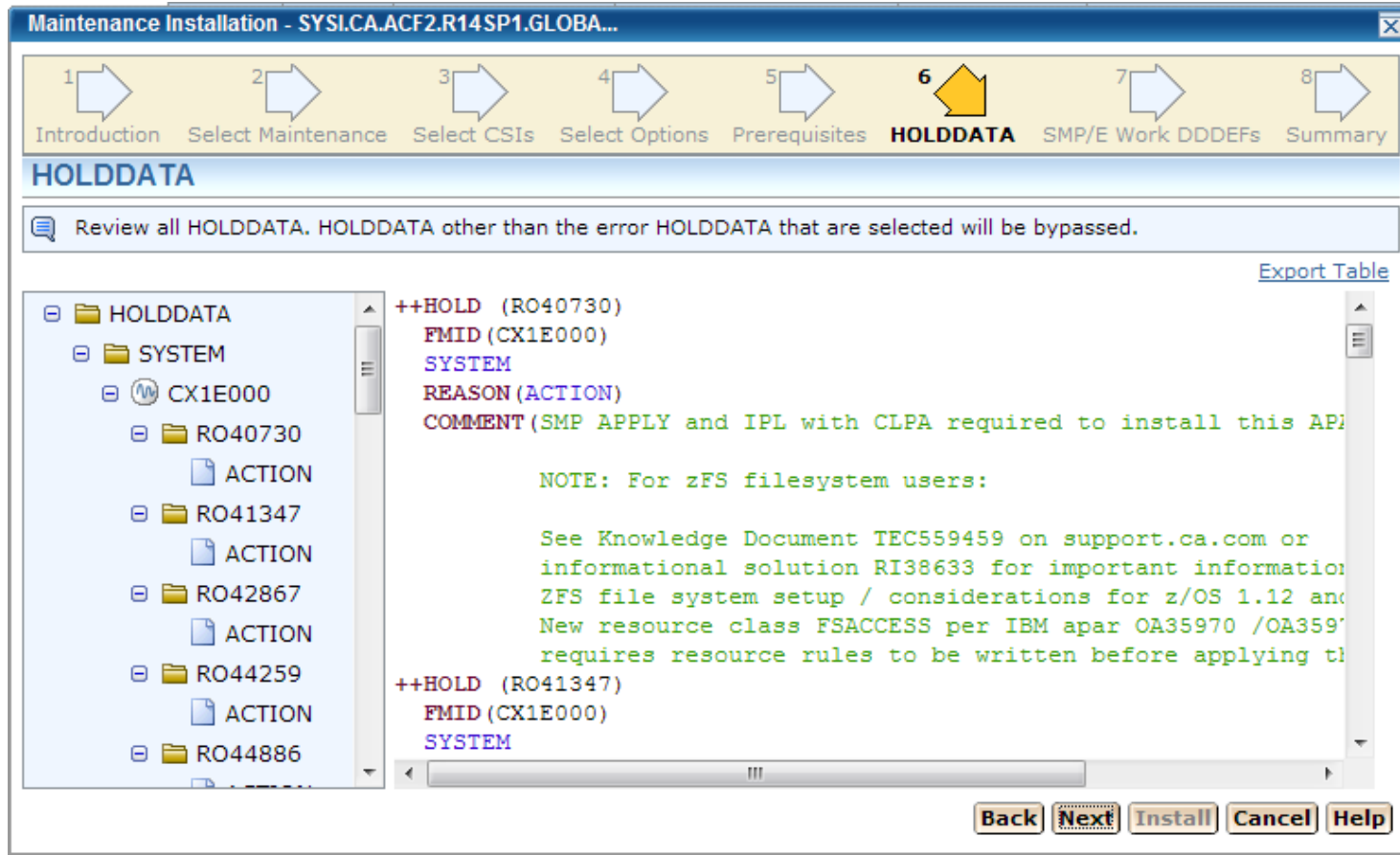
Review prerequisites that will be installed together with maintenance packages that you have selected.

**Prerequisites**

PTF	Available	CSIs without this required PTF
No prerequisites need to be installed.		

Back Next Install Cancel Help

# MSM Usage – Maintaining Software



The screenshot shows a window titled "Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...". At the top, a progress bar contains eight steps: 1 Introduction, 2 Select Maintenance, 3 Select CSIs, 4 Select Options, 5 Prerequisites, 6 **HOLDDATA** (highlighted with a yellow arrow), 7 SMP/E Work DDDEFS, and 8 Summary.

Below the progress bar, the "HOLDDATA" section is active. A message box states: "Review all HOLDDATA. HOLDDATA other than the error HOLDDATA that are selected will be bypassed." There is an "Export Table" link to the right.

A tree view on the left shows the following structure:

- HOLDDATA
  - SYSTEM
    - CX1E000
      - RO40730
        - ACTION
      - RO41347
        - ACTION
      - RO42867
        - ACTION
      - RO44259
        - ACTION
      - RO44886
        - ACTION

The main text area displays the following content:

```

++HOLD (RO40730)
FMID (CX1E000)
SYSTEM
REASON (ACTION)
COMMENT (SMP APPLY and IPL with CLPA required to install this AP)

NOTE: For zFS filesystem users:

See Knowledge Document TEC559459 on support.ca.com or
informational solution RI38633 for important information
ZFS file system setup / considerations for z/OS 1.12 and
New resource class FSACCESS per IBM apar OA35970 /OA3597
requires resource rules to be written before applying th

++HOLD (RO41347)
FMID (CX1E000)
SYSTEM
  
```

At the bottom of the window, there are five buttons: "Back", "Next", "Install", "Cancel", and "Help".



# MSM Usage – Maintaining Software

Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction 2 Select Maintenance 3 Select CSIs 4 Select Options 5 Prerequisites 6 HOLDDATA 7 **SMP/E Work DDDEFs** 8 Summary

### SMP/E Work DDDEFs

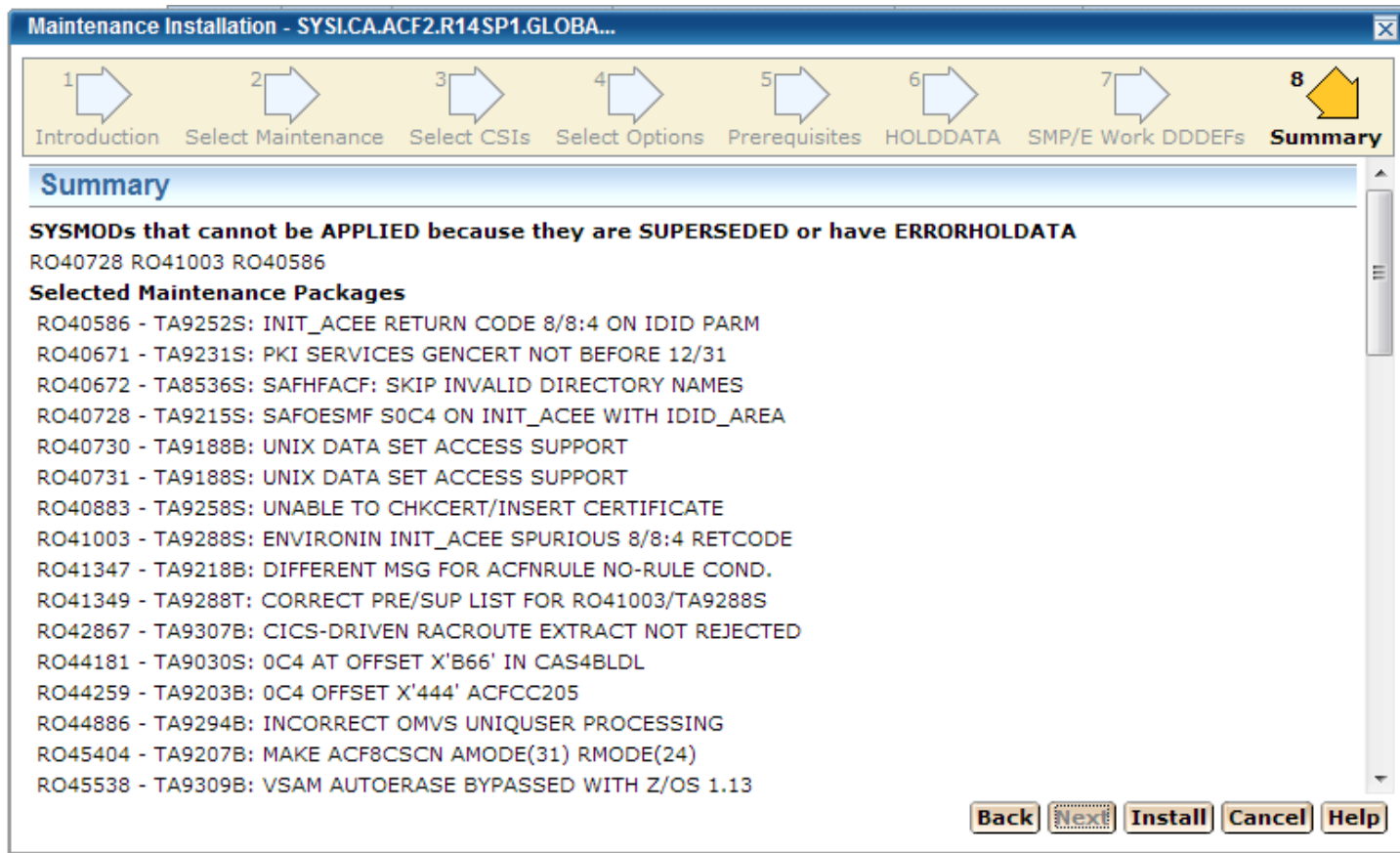
SMP/E Work DDDEF Override Retrieve DDDEF

<input type="checkbox"/> Select	DDDEF Name	Allocation Parameters	Action
<input type="checkbox"/>	SMPWRK1		<a href="#">Override</a>
<input type="checkbox"/>	SMPWRK2		<a href="#">Override</a>
<input type="checkbox"/>	SMPWRK3		<a href="#">Override</a>
<input type="checkbox"/>	SMPWRK4		<a href="#">Override</a>
<input type="checkbox"/>	SMPWRK6		<a href="#">Override</a>
<input type="checkbox"/>	SYSUT1		<a href="#">Override</a>
<input type="checkbox"/>	SYSUT2		<a href="#">Override</a>
<input type="checkbox"/>	SYSUT3		<a href="#">Override</a>
<input type="checkbox"/>	SYSUT4		<a href="#">Override</a>

Zones

Back **Next** Install Cancel Help

# MSM Usage – Maintaining Software



Maintenance Installation - SYSI.CA.ACF2.R14SP1.GLOBA...

1 Introduction 2 Select Maintenance 3 Select CSIs 4 Select Options 5 Prerequisites 6 HOLDDATA 7 SMP/E Work DDDEfs 8 **Summary**

**Summary**

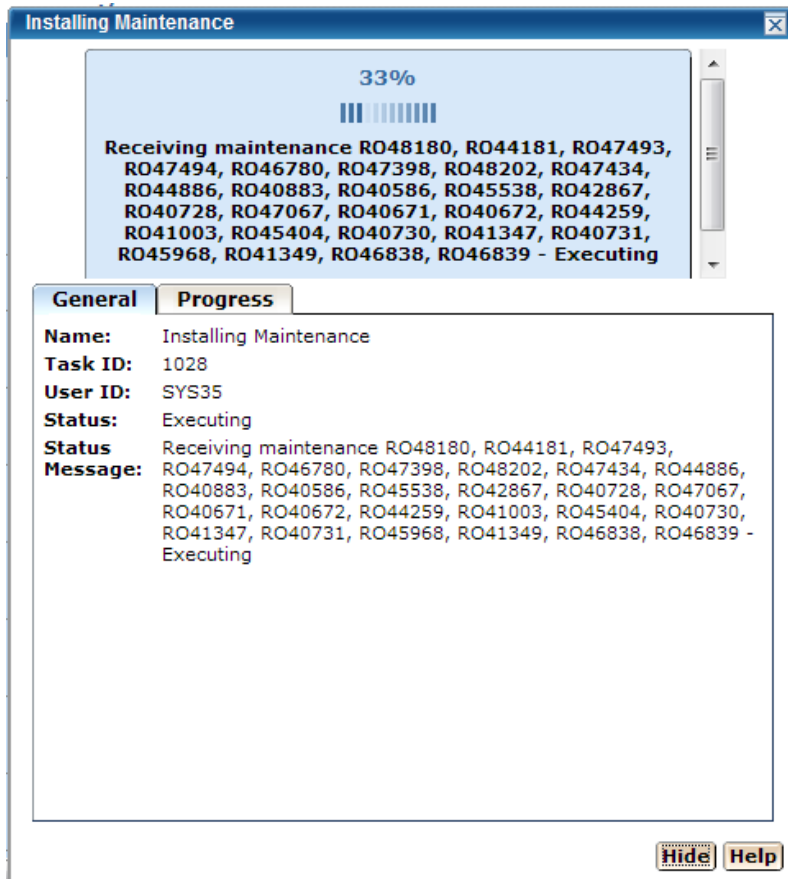
**SYSMODs that cannot be APPLIED because they are SUPERSEDED or have ERRORHOLDATA**  
RO40728 RO41003 RO40586

**Selected Maintenance Packages**

RO40586 - TA9252S: INIT\_ACEE RETURN CODE 8/8:4 ON IDID PARM  
 RO40671 - TA9231S: PKI SERVICES GENCERT NOT BEFORE 12/31  
 RO40672 - TA8536S: SAFHFACF: SKIP INVALID DIRECTORY NAMES  
 RO40728 - TA9215S: SAFOESMF S0C4 ON INIT\_ACEE WITH IDID\_AREA  
 RO40730 - TA9188B: UNIX DATA SET ACCESS SUPPORT  
 RO40731 - TA9188S: UNIX DATA SET ACCESS SUPPORT  
 RO40883 - TA9258S: UNABLE TO CHKCERT/INSERT CERTIFICATE  
 RO41003 - TA9288S: ENVIRONIN INIT\_ACEE SPURIOUS 8/8:4 RETCODE  
 RO41347 - TA9218B: DIFFERENT MSG FOR ACFNRULE NO-RULE COND.  
 RO41349 - TA9288T: CORRECT PRE/SUP LIST FOR RO41003/TA9288S  
 RO42867 - TA9307B: CICS-DRIVEN RACROUTE EXTRACT NOT REJECTED  
 RO44181 - TA9030S: 0C4 AT OFFSET X'B66' IN CAS4BLDL  
 RO44259 - TA9203B: 0C4 OFFSET X'444' ACFCC205  
 RO44886 - TA9294B: INCORRECT OMVS UNIQUUSER PROCESSING  
 RO45404 - TA9207B: MAKE ACF8CSCN AMODE(31) RMODE(24)  
 RO45538 - TA9309B: VSAM AUTOERASE BYPASSED WITH Z/OS 1.13

Back Next Install Cancel Help

# MSM Usage – Maintaining Software



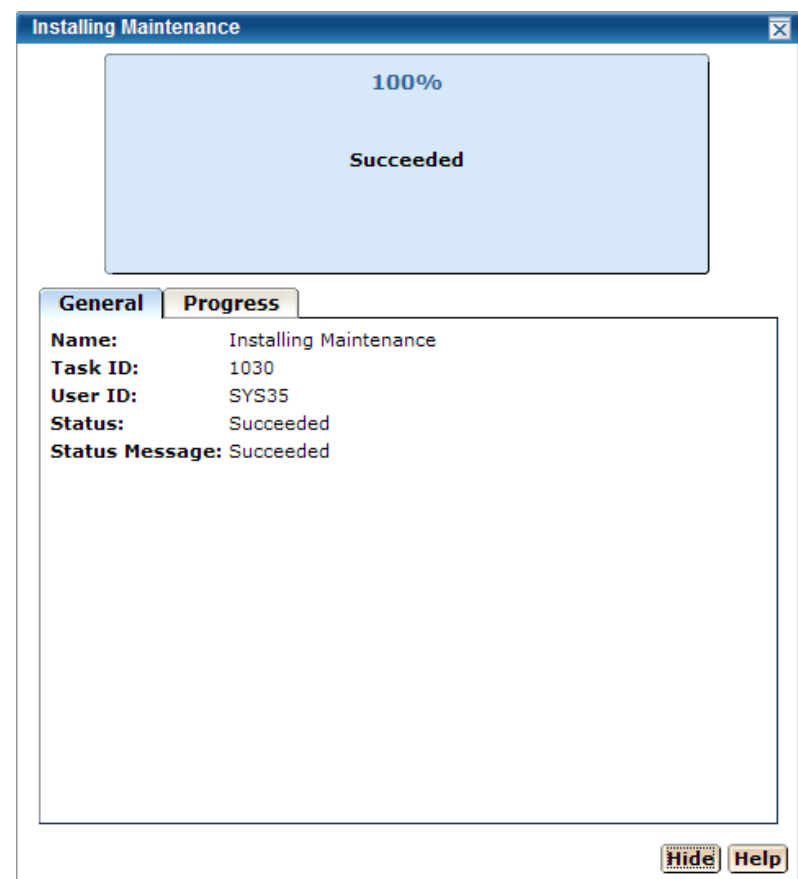
**Installing Maintenance**

33%

Receiving maintenance RO48180, RO44181, RO47493, RO47494, RO46780, RO47398, RO48202, RO47434, RO44886, RO40883, RO40586, RO45538, RO42867, RO40728, RO47067, RO40671, RO40672, RO44259, RO41003, RO45404, RO40730, RO41347, RO40731, RO45968, RO41349, RO46838, RO46839 - Executing

**General** | **Progress**

**Name:** Installing Maintenance  
**Task ID:** 1028  
**User ID:** SYS35  
**Status:** Executing  
**Status Message:** Receiving maintenance RO48180, RO44181, RO47493, RO47494, RO46780, RO47398, RO48202, RO47434, RO44886, RO40883, RO40586, RO45538, RO42867, RO40728, RO47067, RO40671, RO40672, RO44259, RO41003, RO45404, RO40730, RO41347, RO40731, RO45968, RO41349, RO46838, RO46839 - Executing



**Installing Maintenance**

100%

Succeeded

**General** | **Progress**

**Name:** Installing Maintenance  
**Task ID:** 1030  
**User ID:** SYS35  
**Status:** Succeeded  
**Status Message:** Succeeded

# Agenda

- Environment overview
- MSM installation history and issues
- MSM users
- MSM features used
- Migrating CSIs into MSM
- Acquiring and maintaining software
- **Installing software with MSM**
- Deploying software with MSM
- MSM Hints and Tips

# MSM Usage – Installing Software

**CA Mainframe Software Manager™** H

logged in as: **SYS35** (Log Out)

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

**Search**

Search For:  
mim

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- CA MIM Resource Sharing - MVS
  - 11.6
  - 11.7
  - 11.8
  - 0000
  - 11.9

**CA MIM Resource Sharing - MVS**

[Products](#) > [CA](#) > CA MIM Resource Sharing - MVS

**Releases**

Select and: [Update Catalog Releases](#) Show All ▾

<input type="checkbox"/> Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	<a href="#">11.6</a>	0	0	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">11.7</a>	0	0	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">11.8</a>	1	9	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>	<a href="#">11.9</a>	0	0	<input type="button" value="Actions ▾"/>

Selected 0 of 4.

# MSM Usage – Installing Software

logged in as: **SYS35** (Log Out)

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

**Search**

Search For:  
mim

Search In:  
Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:  
All

**Available Products**

- CA MIM Resource Sharing - MVS
  - 11.6
  - 11.7
  - 11.8
  - 0000**
  - 11.9

0000

[Products](#) > [CA](#) > [CA MIM Resource Sharing - MVS](#) > [11.8](#) > 0000

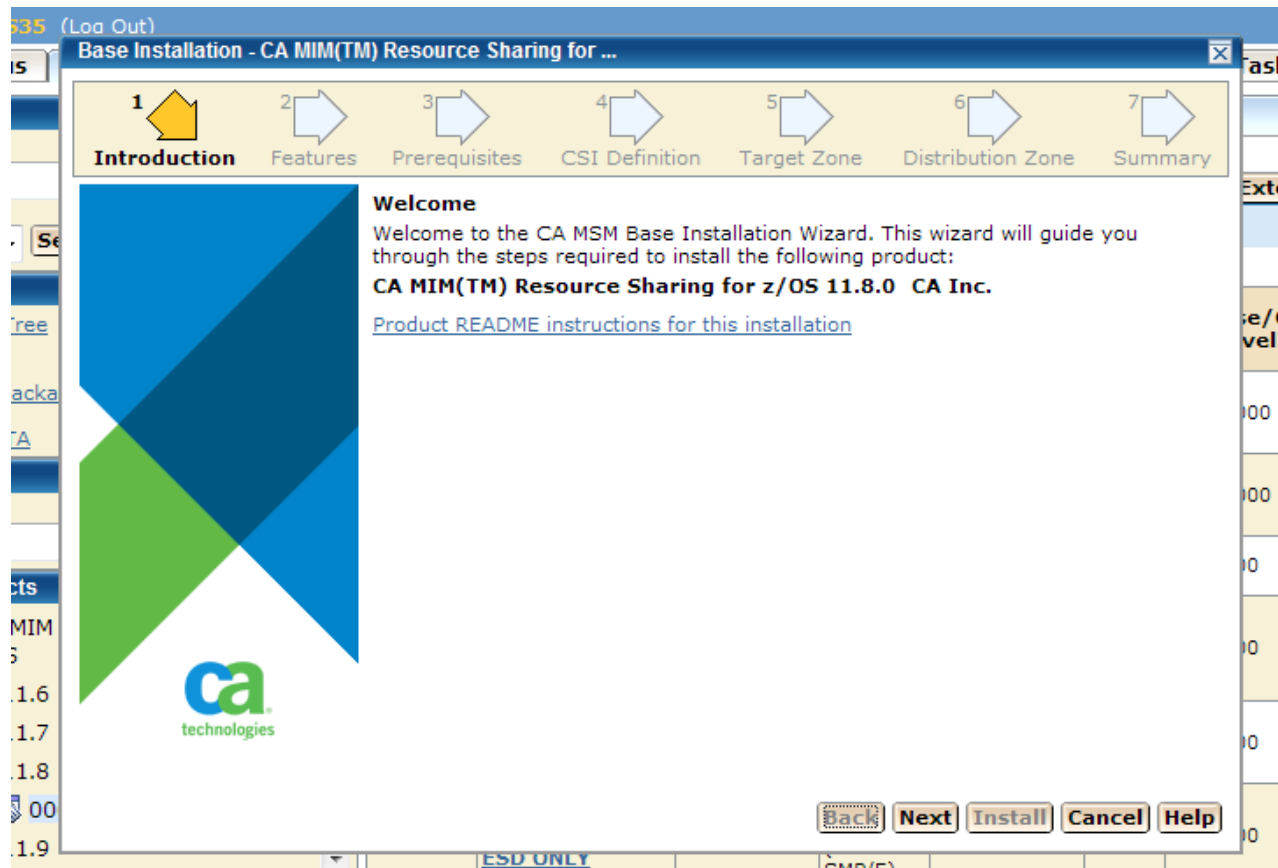
**Base Install Packages**

Show: All

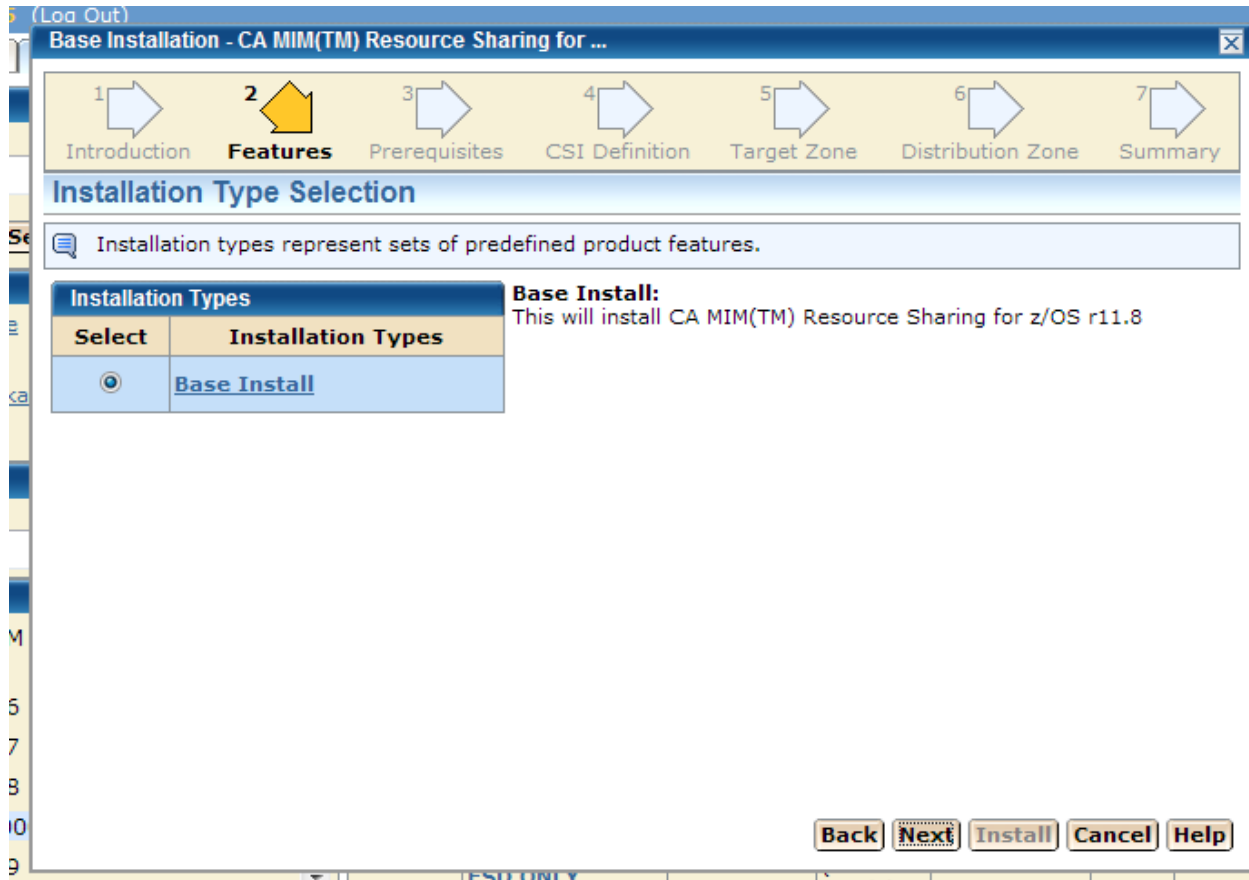
Select and: [Download](#)

Select	Name	Last Modified Date	Type	Download Status	Size	Release/Gen Level	Actions
<input type="checkbox"/>	<a href="#">CA COMMON SERVICES COVER LTR</a>	Jun 30, 2011	PDF	Yes	211 Kb	14.0/0000	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">CA MIM PRODUCT PACKAGE</a>	May 19, 2011	Base Install	Yes	2 Mb	11.8/0000	<input type="button" value="Actions"/> <ul style="list-style-type: none"> <li><input type="button" value="Install"/></li> <li><input type="button" value="Delete"/></li> </ul>
<input type="checkbox"/>	<a href="#">CA MSM COVER LETTER</a>	Nov 2, 2011	PDF	Yes	180 Kb	4.1/0000	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">CA MSM PRE VAL UTIL-ESD ONLY</a>	Nov 7, 2011	Base Install (Non SMP/E)	Yes	3 Mb	4.1/0000	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">CA MSM PRE VALIDATION INSTR</a>	Nov 22, 2011	PDF	Yes	183 Kb	4.1/0000	<input type="button" value="Actions"/>
<input type="checkbox"/>	<a href="#">CA MSM PRODUCT PKG-ESD ONLY</a>	Nov 7, 2011	Base Install (Non SMP/E)	Yes	246 Mb	4.1/0000	<input type="button" value="Actions"/>

# MSM Usage – Installing Software



# MSM Usage – Installing Software



(Log Out)  
Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 **Features** 3 Prerequisites 4 CSI Definition 5 Target Zone 6 Distribution Zone 7 Summary

### Installation Type Selection

Installation types represent sets of predefined product features.

Installation Types	
Select	Installation Types
<input checked="" type="radio"/>	<a href="#">Base Install</a>

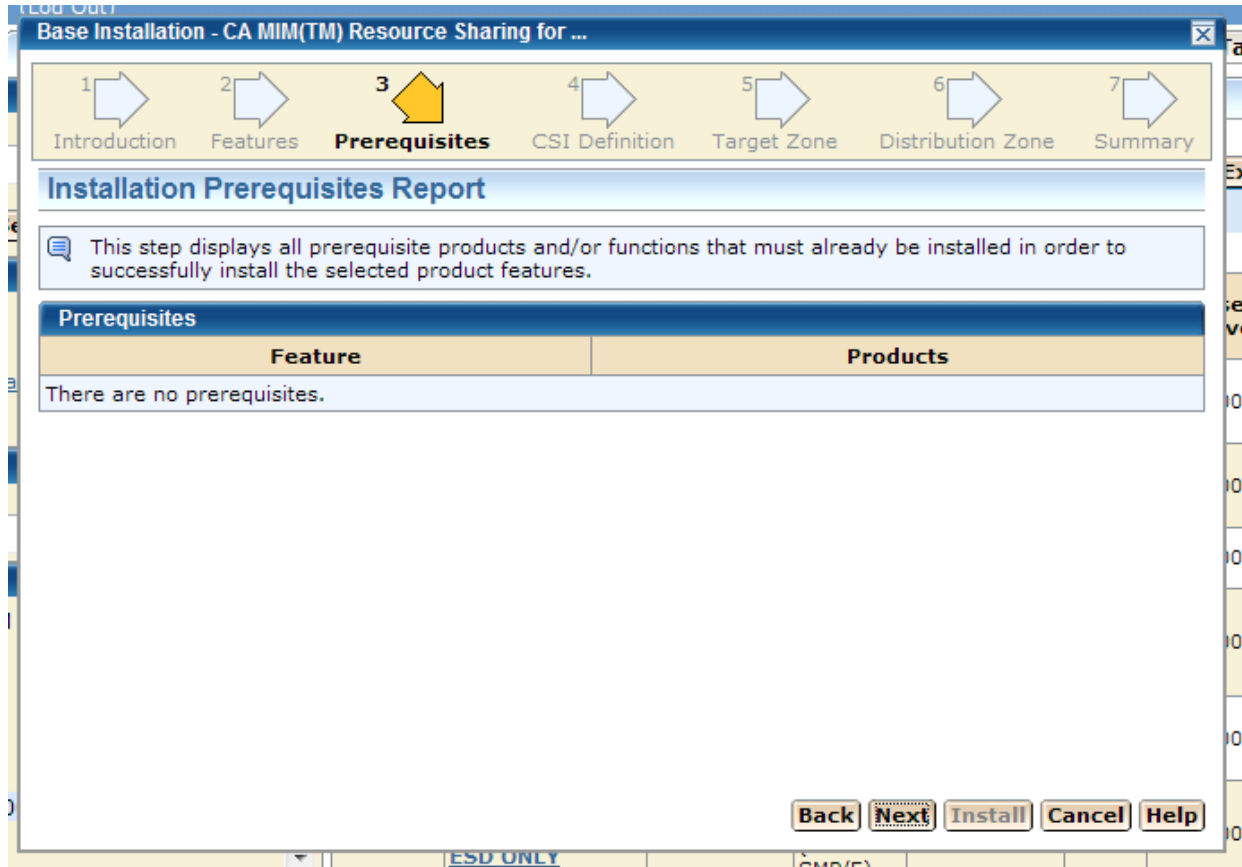
**Base Install:**  
This will install CA MIM(TM) Resource Sharing for z/OS r11.8

Back Next Install Cancel Help

ESD ONLY



# MSM Usage – Installing Software



Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 **Prerequisites** 4 CSI Definition 5 Target Zone 6 Distribution Zone 7 Summary

### Installation Prerequisites Report

This step displays all prerequisite products and/or functions that must already be installed in order to successfully install the selected product features.

Prerequisites	
Feature	Products
There are no prerequisites.	

Back Next Install Cancel Help

# MSM Usage – Installing Software

Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites **4 CSI Definition (1/3)** 5 Target Zone 6 Distribution Zone 7 Summary

### Target SMP/E CSI Selection

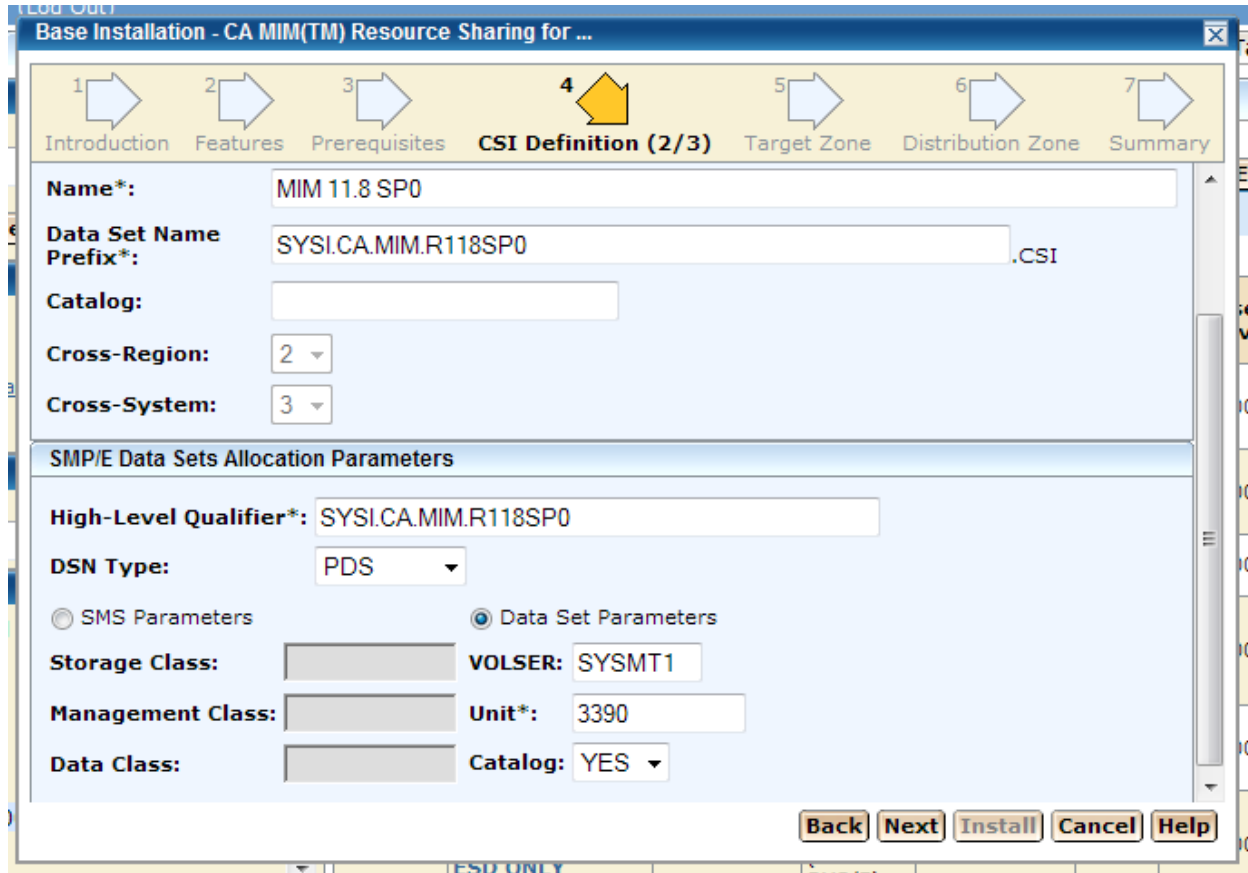
This step lets you select an SMP/E CSI where the selected product features should be installed. You can either select an existing CSI from your working set, or create a new SMP/E CSI.

CSIs	
Show: Available only   <a href="#">Whole Working Set</a>	
Select	CSIs
<input checked="" type="radio"/>	<a href="#">Create a New SMP/E CSI</a>
<input type="radio"/>	<a href="#">ACF2 R14 SP1</a>

**Create a New SMP/E CSI:**  
This option lets you create and set up a new SMP/E CSI to install the product to.

Back Next Install Cancel Help

# MSM Usage – Installing Software



Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 **CSI Definition (2/3)** 5 Target Zone 6 Distribution Zone 7 Summary

**Name\*:** MIM 11.8 SP0

**Data Set Name Prefix\*:** SYSI.CA.MIM.R118SP0 .CSI

**Catalog:**

**Cross-Region:** 2

**Cross-System:** 3

**SMP/E Data Sets Allocation Parameters**

**High-Level Qualifier\*:** SYSI.CA.MIM.R118SP0

**DSN Type:** PDS

SMS Parameters  Data Set Parameters

**Storage Class:**  **VOLSER:** SYSMT1

**Management Class:**  **Unit\*:** 3390

**Data Class:**  **Catalog:** YES

Back Next Install Cancel Help

# MSM Usage – Installing Software

Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites **4 CSI Definition (3/3)** 5 Target Zone 6 Distribution Zone 7 Summary

### Target SMP/E CSI Parameters

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

#### Work DDDEF Parameters

Use SMS  Use Unit

Storage Class\*:  Unit\*:

Management Class:

Data Class:

#### Data Sets

Name	Data Set Name	Action
SMPLOG	SYSI.CA.MIM.R118SP0.SMPLOG	<a href="#">Override</a>
SMPLOGA	SYSI.CA.MIM.R118SP0.SMPLOGA	<a href="#">Override</a>
SMPPTS	SYSI.CA.MIM.R118SP0.SMPPTS	<a href="#">Override</a>

Back Next Install Cancel Help

# MSM Usage – Installing Software

(Log Out) Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 CSI Definition 5 **Target Zone (1/3)** 6 Distribution Zone 7 Summary

### Target Zone Selection

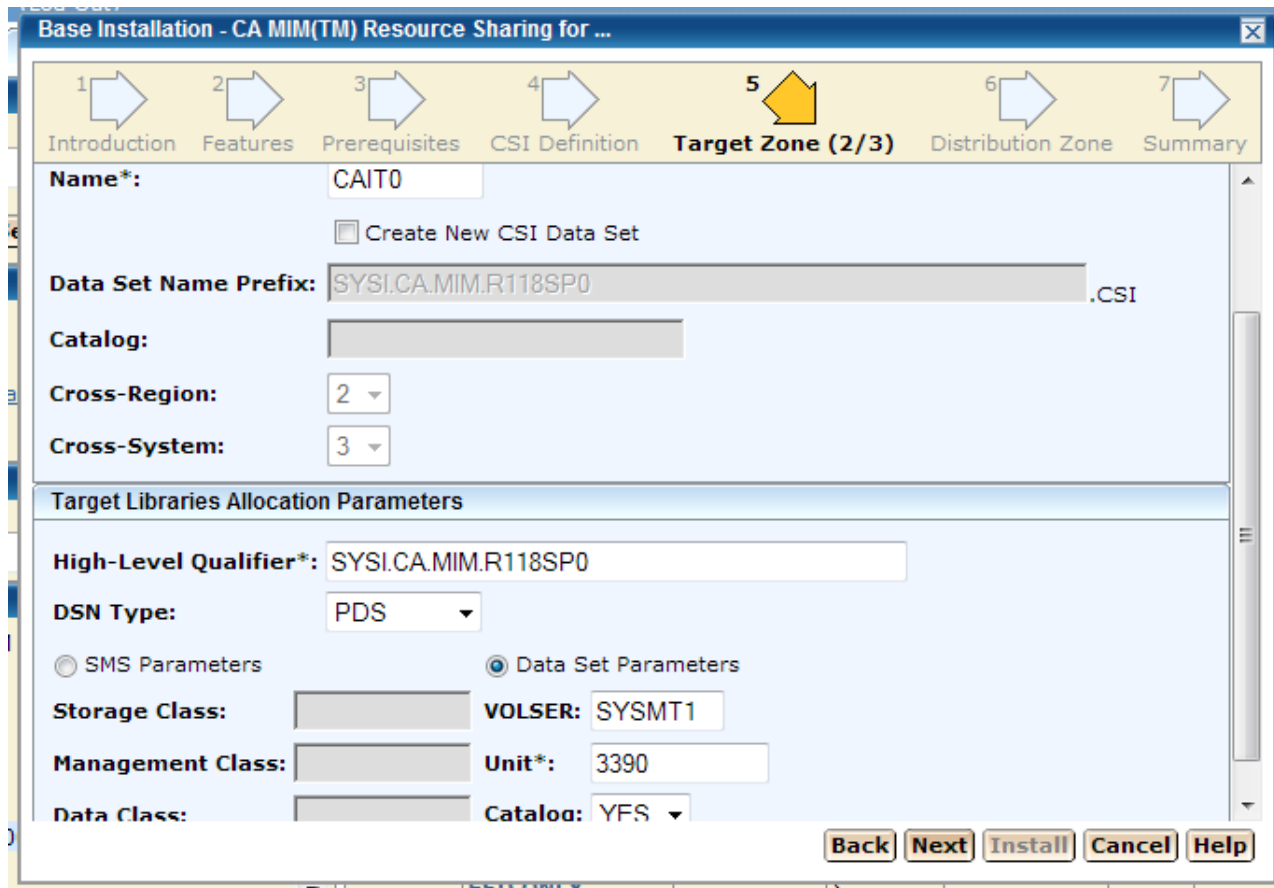
This step lets you select the Target zone where the selected product features should be installed.

Select	Target Zones
<input checked="" type="radio"/>	<a href="#">Create a New SMP/E Target Zone</a>

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

Back Next Install Cancel Help

# MSM Usage – Installing Software



Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 CSI Definition 5 **Target Zone (2/3)** 6 Distribution Zone 7 Summary

**Name\*:** CAIT0  
 Create New CSI Data Set

**Data Set Name Prefix:** SYSI.CA.MIM.R118SP0.CSI

**Catalog:**

**Cross-Region:** 2

**Cross-System:** 3

**Target Libraries Allocation Parameters**

**High-Level Qualifier\*:** SYSI.CA.MIM.R118SP0

**DSN Type:** PDS

SMS Parameters  Data Set Parameters

**Storage Class:** **VOLSER:** SYSMT1

**Management Class:** **Unit\*:** 3390

**Data Class:** **Catalog:** YES

Back Next Install Cancel Help

# MSM Usage – Installing Software

Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 CSI Definition **5 Target Zone (3/3)** 6 Distribution Zone 7 Summary

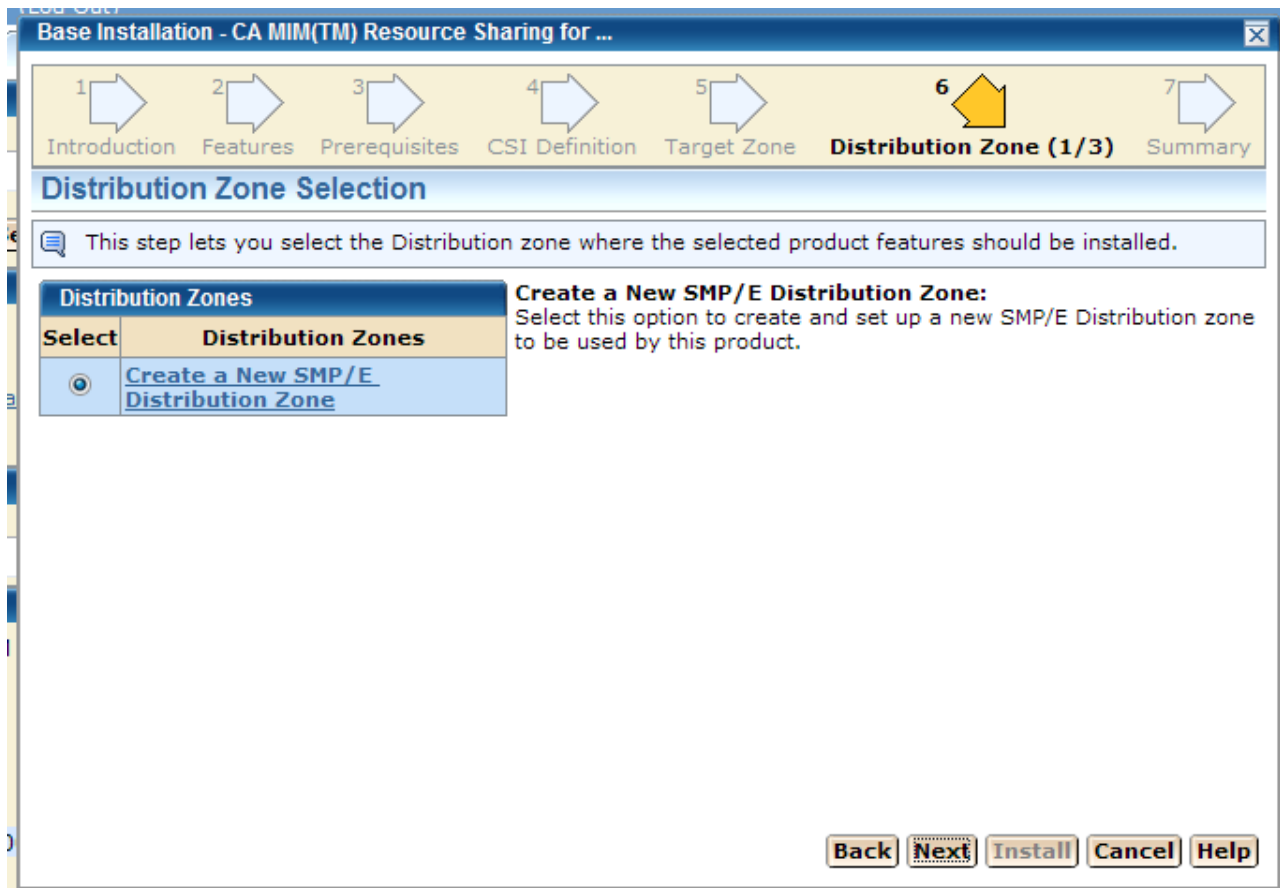
### Target Zone Parameters

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

Data Sets		
Name	Data Set Name	Action
SMPLTS	YSI.CA.MIM.R118SP0.SMPLTS	<a href="#">Override</a>
SMPMTS	YSI.CA.MIM.R118SP0.SMPMTS	<a href="#">Override</a>
SMPSCDS	YSI.CA.MIM.R118SP0.SMPSCDS	<a href="#">Override</a>
SMPSTS	YSI.CA.MIM.R118SP0.SMPSTS	<a href="#">Override</a>
CBTDCLS0	YSI.CA.MIM.R118SP0.CBTDCLS0	<a href="#">Override</a>
CBTDEZTM	YSI.CA.MIM.R118SP0.CBTDEZTM	<a href="#">Override</a>
CBTDEZTR	YSI.CA.MIM.R118SP0.CBTDEZTR	<a href="#">Override</a>
CBTDHENU	YSI.CA.MIM.R118SP0.CBTDHENU	<a href="#">Override</a>
CBTDJCL	YSI.CA.MIM.R118SP0.CBTDJCL	<a href="#">Override</a>
CBTDLOAD	YSI.CA.MIM.R118SP0.CBTDLOAD	<a href="#">Override</a>
CBTDMAC	YSI.CA.MIM.R118SP0.CBTDMAC	<a href="#">Override</a>
CBTDMSEN	YSI.CA.MIM.R118SP0.CBTDMSSEN	<a href="#">Override</a>

Back Next Install Cancel Help

# MSM Usage – Installing Software





# MSM Usage – Installing Software

Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 CSI Definition 5 Target Zone 6 **Distribution Zone (2/3)** 7 Summary

**Name\*:** CAID0  
 Create New CSI Data Set

**Data Set Name Prefix:** SYSI.CA.MIM.R118SP0 .CSI

**Catalog:**

**Cross-Region:** 2

**Cross-System:** 3

**Distribution Libraries Allocation Parameters**

**High-Level Qualifier\*:** SYSI.CA.MIM.R118SP0

**DSN Type:** PDS

SMS Parameters  Data Set Parameters

**Storage Class:** **VOLSER:** SYSMT1

**Management Class:** **Unit\*:** 3390

**Data Class:** **Catalog:** YES

Back Next Install Cancel Help

# MSM Usage – Installing Software

Base Installation - CA MIM(TM) Resource Sharing for ...

1 Introduction 2 Features 3 Prerequisites 4 CSI Definition 5 Target Zone 6 **Distribution Zone (3/3)** 7 Summary

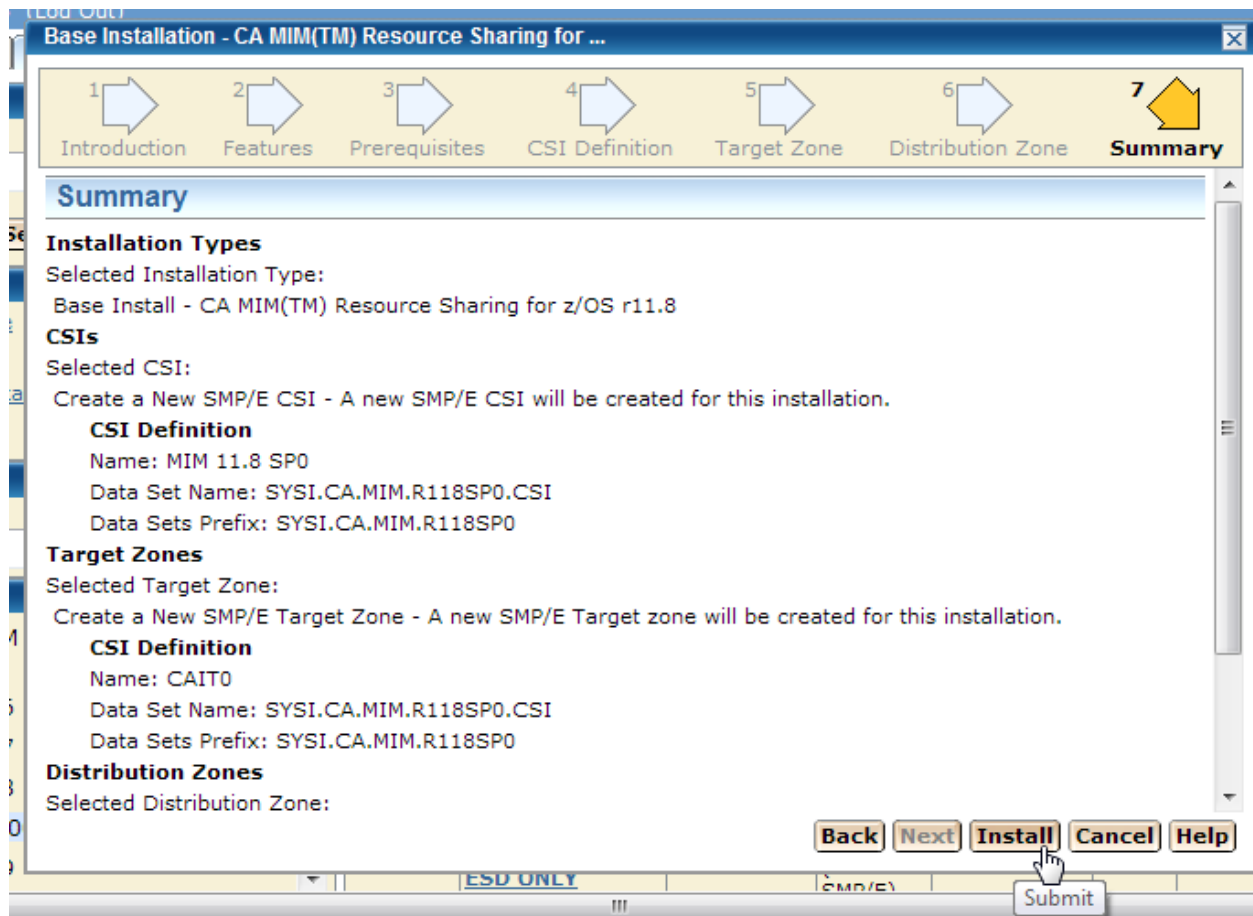
### Distribution Zone Parameters

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

Data Sets		
Name	Data Set Name	Action
ABTDCLS0	SYSI.CA.MIM.R118SP0.ABTDCLS0	<a href="#">Override</a>
ABTDEZTM	SYSI.CA.MIM.R118SP0.ABTDEZTM	<a href="#">Override</a>
ABTDEZTR	SYSI.CA.MIM.R118SP0.ABTDEZTR	<a href="#">Override</a>
ABTDHENU	SYSI.CA.MIM.R118SP0.ABTDHENU	<a href="#">Override</a>
ABTDJCL	SYSI.CA.MIM.R118SP0.ABTDJCL	<a href="#">Override</a>
ABTDMAC	SYSI.CA.MIM.R118SP0.ABTDMAC	<a href="#">Override</a>
ABTDMOD	SYSI.CA.MIM.R118SP0.ABTDMOD	<a href="#">Override</a>
ABTDMSEN	SYSI.CA.MIM.R118SP0.ABTDMSEN	<a href="#">Override</a>
ABTDPARM	SYSI.CA.MIM.R118SP0.ABTDPARM	<a href="#">Override</a>
ABTDPENU	SYSI.CA.MIM.R118SP0.ABTDPENU	<a href="#">Override</a>
ABTDPROC	SYSI.CA.MIM.R118SP0.ABTDPROC	<a href="#">Override</a>
ABTDSAMP	SYSI.CA.MIM.R118SP0.ABTDSAMP	<a href="#">Override</a>

Back Next Install Cancel Help

# MSM Usage – Installing Software



# MSM Usage – Installing Software

CA MIM(TM) Resource Sharing for z/OS ...

50%

Executing SMP/E APPLY - Waiting for GIMSMP

**General** | **Progress**

**Name:** CA MIM(TM) Resource Sharing for z/OS 11.8.0 (SQJ,11.8.0)  
**Task ID:** 1031  
**User ID:** SYS35  
**Status:** Executing  
**Status Message:** Executing SMP/E APPLY - Waiting for GIMSMP

Hide Help

CA MIM(TM) Resource Sharing for z/OS ...

100%

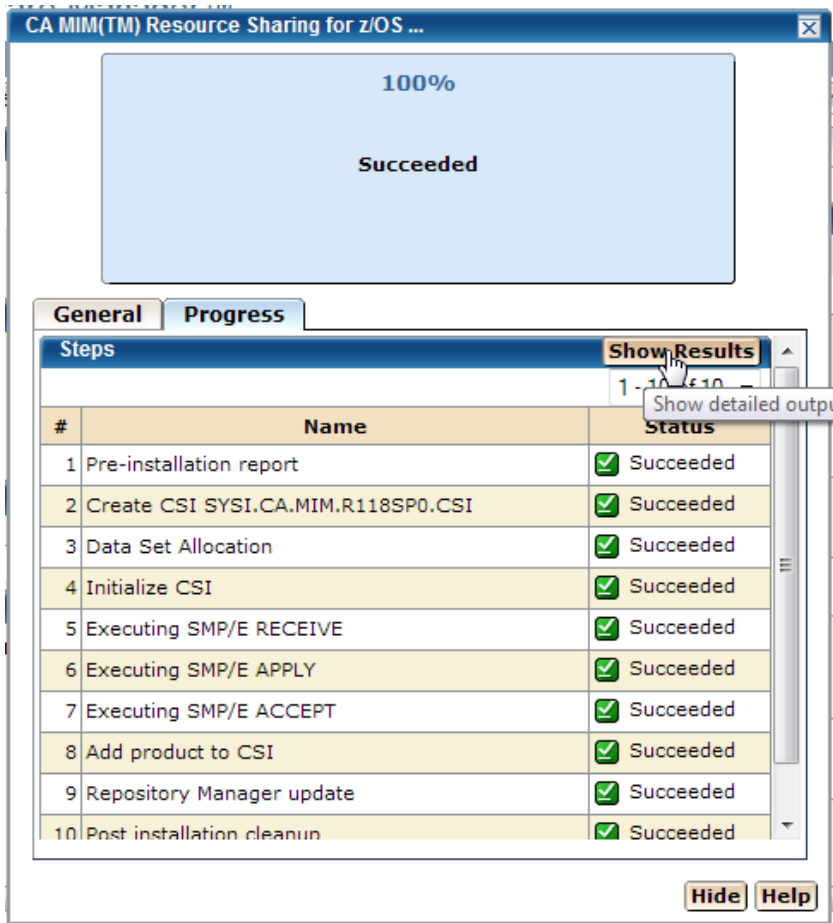
Succeeded

**General** | **Progress**

**Name:** CA MIM(TM) Resource Sharing for z/OS 11.8.0 (SQJ,11.8.0)  
**Task ID:** 1031  
**User ID:** SYS35  
**Status:** Succeeded  
**Status Message:** Succeeded

Hide Help

# MSM Usage – Installing Software: Output



CA MIM(TM) Resource Sharing for z/OS ...

100%  
Succeeded

General Progress

Steps Show Results

#	Name	Status
1	Pre-installation report	✓ Succeeded
2	Create CSI SYSI.CA.MIM.R118SP0.CSI	✓ Succeeded
3	Data Set Allocation	✓ Succeeded
4	Initialize CSI	✓ Succeeded
5	Executing SMP/E RECEIVE	✓ Succeeded
6	Executing SMP/E APPLY	✓ Succeeded
7	Executing SMP/E ACCEPT	✓ Succeeded
8	Add product to CSI	✓ Succeeded
9	Repository Manager update	✓ Succeeded
10	Post installation cleanup	✓ Succeeded

Hide Help

# MSM Usage – Installing Software: Output

CA Mainframe Software Manager™ Help

Logged in as: **SYS35** (Log Out)

**Search**

Search For:

Search In:

Search all

**Task Steps**

- CA MIM(TM) Resource Sharing for z/OS 11.8.0 (SQ,11.8.0)
  - Pre-installation report
  - Create CSI  
SYSI.CA.MIM.R118SP0.CSI
  - Data Set Allocation
  - Initialize CSI
  - Executing SMP/E RECEIVE
  - Executing SMP/E APPLY
  - Executing SMP/E ACCEPT
  - Add product to CSI
    - Repository Manager update
    - Post installation cleanup

**CA MIM(TM) Resource Sharing for z/OS 11.8.0 (SQ...** Close

**General** Download Zipped Output

**Name:** CA MIM(TM) Resource Sharing for z/OS 11.8.0 (SQ),11.8.0  
**Task ID:** 1031  
**User ID:** SYS35  
**Status:** Succeeded  
**Status Message:** Succeeded

**Steps** Show All

#	Name	Description	Status
1	<a href="#">Pre-installation report</a>	Gathering and writing pre-installation report about the ongoing installation.	Succeeded
2	<a href="#">Create CSI SYSI.CA.MIM.R118SP0.CSI</a>	Allocating CSI VSAM dataset SYSI.CA.MIM.R118SP0.CSI	Succeeded
3	<a href="#">Data Set Allocation</a>	Allocating datasets SYSI.CA.MIM.R118SP0.CSI	Succeeded
4	<a href="#">Initialize CSI</a>	Executing SMP/E commands using GIMSMP program.	Succeeded
5	<a href="#">Executing SMP/E RECEIVE</a>	Executing SMP/E commands using GIMSMP program.	Succeeded
6	<a href="#">Executing SMP/E APPLY</a>	Executing SMP/E commands using GIMSMP program.	Succeeded
7	<a href="#">Executing SMP/E ACCEPT</a>	Executing SMP/E commands using GIMSMP program.	Succeeded
8	<a href="#">Add product to CSI</a>	Executing SMP/E commands using GIMSMP program.	Succeeded
9	<a href="#">Repository Manager update</a>	Inserting new SMP/E Repository and installed functionality.	Succeeded
10	<a href="#">Post installation cleanup</a>	Cleaning temporary directories and datasets.	Succeeded

Show All

# MSM Usage – Installing Software: Output

Name	Type	Compressed size
0001-Pre-installation_report	File folder	
0002-Create_CSI_SYSI.CA.MIM.R1	File folder	
0003-Data_Set_Allocation	File folder	
0004-Initialize_CSI	File folder	
0005-Executing_SMP_E_RECEIVE	File folder	
0006-Executing_SMP_E_APPLY	File folder	
0007-Executing_SMP_E_ACCEPT	File folder	
0008-Add_product_to_CSI	File folder	
0009-Repository_Manager_update	File folder	
0010-Post_installation_cleanup	File folder	
Task_Status.txt	Text Document	

Name	Type
19780-SMPOUT.txt	Text Document
19781-SMPRPT.txt	Text Document
19784-SYSPRINT.txt	Text Document
19787-messageLog.txt	Text Document
Command_Status.txt	Text Document

# MSM Usage – Installing Software: Output

```

19781-SMPRPT.txt - Notepad
File Edit Format View Help
1PAGE 0001 - NOW SET TO TARGET ZONE CAIT0  DATE 07/20/12  TIME 15:18:23  SMP/E 35.47  SMPRPT  OUTPUT

APPLY
  SELECT(CBTDB80)
  REDO
  PTFS
  BYPASS(HOLDSYSTEM)
  COMPRESS(ALL)
  GROUPEXTEND(NOUSERMODS,NOAPARS) .
1PAGE 0002 - NOW SET TO TARGET ZONE CAIT0  DATE 07/20/12  TIME 15:18:23  SMP/E 35.47  SMPRPT  OUTPUT

                                JCLIN SUMMARY REPORT FOR SYSMOD CBTDB80

_____JCL INFORMATION_____          _____SMP/E ACTION TAKEN_____










JOBNAME  STEPNAME  UTILITY  TYPE  MEMBER  TYPE  ACTION  CHANGES MADE
*NONAME* S0000001 IEWL   LKED  MIM@ACE  LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@ACE  MOD    ADDED   DISTLIB=ABTDMOD, LMOD=MIM@ACE
S0000002 IEWL   LKED  MIM@BENQ LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@BENQ MOD    ADDED   DISTLIB=ABTDMOD, LMOD=MIM@BENQ
S0000003 IEWL   LKED  MIM@CDT  LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@CDT  MOD    ADDED   DISTLIB=ABTDMOD, LMOD=MIM@CDT
S0000004 IEWL   LKED  MIM@CDTH LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@CDTH MOD    ADDED   DISTLIB=ABTDMOD, LMOD=MIM@CDTH
S0000005 IEWL   LKED  MIM@DLST LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@DLST MOD    ADDED   DISTLIB=ABTDMOD, LMOD=MIM@DLST
S0000006 IEWL   LKED  MIM@DUE  LMOD  ADDED   SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY
                                MIM@DUE  LMOD  ADDED   DISTLIB=ABTDMOD, LMOD=MIM@DUE
                                SYSLIB=CBTDLOAD, LEPARMS ADDED, LINK-EDIT INPUT ADDED,
                                SIDEDECKLIB=SMPDUMMY

```



# MSM Usage – Installing Software

<ul style="list-style-type: none"> <li>[-] SMP/E Environments ▸             <ul style="list-style-type: none"> <li>[+] ACF2 15.0 GSES SOE</li> <li>[+] ACF2 R14 SP1</li> <li>[+] ACF2IMS 15.0 GSES SOE</li> <li>[+] CA Spool r11.7</li> <li>[+] CA Vantage Release 12.6 - GSES</li> <li>[+] CA-Allocate GSES SOE</li> <li>[+] CA-CCS 12.0 GSES SOE</li> <li>[+] CA-Copycat Release 12.0 - GSES</li> <li>[+] CA-Datacom/AD 12.0 GSES SOE</li> <li>[+] CA-View R11.5</li> <li>[+] DATACOM AD R12</li> <li>[+] Deliver 11.5</li> <li>[+] Easytrieve 11.5 Test (for deployment)</li> <li>[+] File Master Plus - MVS R8.5</li> <li>[+] Jobtrac 11.0</li> <li>[+] MIM 11.8 SP0</li> <li>[+] MIM 11.8 SP0 - GSES SOE</li> <li>[+] MSM Release 4.1</li> <li>[+] SYSVIEW 13.0 - GSES SOE</li> </ul> </li> </ul>	<input type="checkbox"/>	<a href="#">ACF2 R14 SP1</a>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	mark, migrated	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI	mark, migrated, zos113soe	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI	dave	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI	migrated, zos113soe, thulasi	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI	migrated, bob, zos113soe	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI	migrated, bob, zos113soe	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA-Datacom/AD 12.0 GSES SOE</a>	MVSSMPS.DATCOMAD.V12.CSI	migrated, bob	<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">CA-View R11.5</a>	SYSI.CA.VIEW.R115.GLOBAL.CS		<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">DATACOM AD R12</a>	SYSI.CA.DATACOM.AD.R12.CSI		<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">Deliver 11.5</a>	SYSI.CA.DELIVER.R115.GLOBAL		<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">Easytrieve 11.5 Test (for deployment)</a>	SYSI.CA.EZT.R115.TEST.CSI		<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">File Master Plus - MVS R8.5</a>	SYSI.CA.FILEMSTR.R85.GLOBAL		<b>Actions ▾</b>
	<input type="checkbox"/>	<a href="#">Jobtrac 11.0</a>	SYSI.CA.JOBTRAC.R11.CSI		<b>Actions ▾</b>
	<input checked="" type="checkbox"/>	<a href="#">MIM 11.8 SP0</a>	SYSI.CA.MIM.R118SP0.CSI	No tags	<b>Actions ▾</b>

-  Add to Working Set
-  Change Name
-  Edit Tags
-  Set Automatic Update
-  Upgrade CA RS Level
-  Delete CSI Data Sets
-  Exception SYSMOD Report
-  Remove CSI from CA MSM
-  Create Deployment

# MSM Usage – Installing Software

<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	Acti
<div style="border: 1px solid black; padding: 5px;"> <p><b>Automatic CA RS Maintenance Download Settings</b></p> <p><b>User ID:</b> <input type="text" value="SYS35"/></p> <p><b>CSO Credentials:</b> <input type="text" value="mzelden@csc.com"/></p> <p><b>Recurrence:</b> <input type="text" value="Daily"/></p> <p><b>Update Software Catalog Every:</b> <input type="text" value="1"/> Days</p> <p><b>System Time:</b> <input type="text" value="00:00:00"/> Pacific Standard Time</p> <p><b>Local Time:</b> 02:00:00</p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/></p> </div>				
<input type="checkbox"/>	<a href="#">Jobtrac 11.0</a>	SYSI.CA.JOBTRAC.R11.CSI	bob	Acti
<input checked="" type="checkbox"/>	<a href="#">MIM 11.8 SP0</a>	SYSI.CA.MIM.R118SP0.CSI	No tags	Acti

# MSM Usage – Installing Software

```

Menu  Options  View  Utilities  Compilers  Help
-----
DSLIST - Data Sets Matching SYSI.CA.MIM.R118*                               Row 1 of 36
Command ==> _                                                                Scroll ==> CSR

Command - Enter "/" to select action                                     Message                                     Volume
-----
SYSI.CA.MIM.R118SP0.ABTDCLS0                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDEZTM                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDEZTR                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDHENU                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDJCL                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDMAC                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDMOD                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDMSEN                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDPARM                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDPENU                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDPROC                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDSAMP                                           SYSMT1
SYSI.CA.MIM.R118SP0.ABTDXML                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDCLS0                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDEZTM                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDEZTR                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDHENU                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDJCL                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDLOAD                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDMAC                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDMSEN                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDPARM                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDPENU                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDPROC                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDSAMP                                           SYSMT1
SYSI.CA.MIM.R118SP0.CBTDXML                                           SYSMT1
SYSI.CA.MIM.R118SP0.CSI                                               *VSAM*
SYSI.CA.MIM.R118SP0.CSI.DATA                                           SYSMT1
SYSI.CA.MIM.R118SP0.CSI.INDEX                                           SYSMT1
SYSI.CA.MIM.R118SP0.SMPLOG                                              SYSMT1
SYSI.CA.MIM.R118SP0.SMPLOGA                                             SYSMT1
SYSI.CA.MIM.R118SP0.SMPLTS                                              SYSMT1
SYSI.CA.MIM.R118SP0.SMPMTS                                              SYSMT1
SYSI.CA.MIM.R118SP0.SMPPTS                                              SYSMT1
SYSI.CA.MIM.R118SP0.SMPSCDS                                             SYSMT1
SYSI.CA.MIM.R118SP0.SMPSTS                                              SYSMT1
***** End of Data Set list *****

```

# Agenda

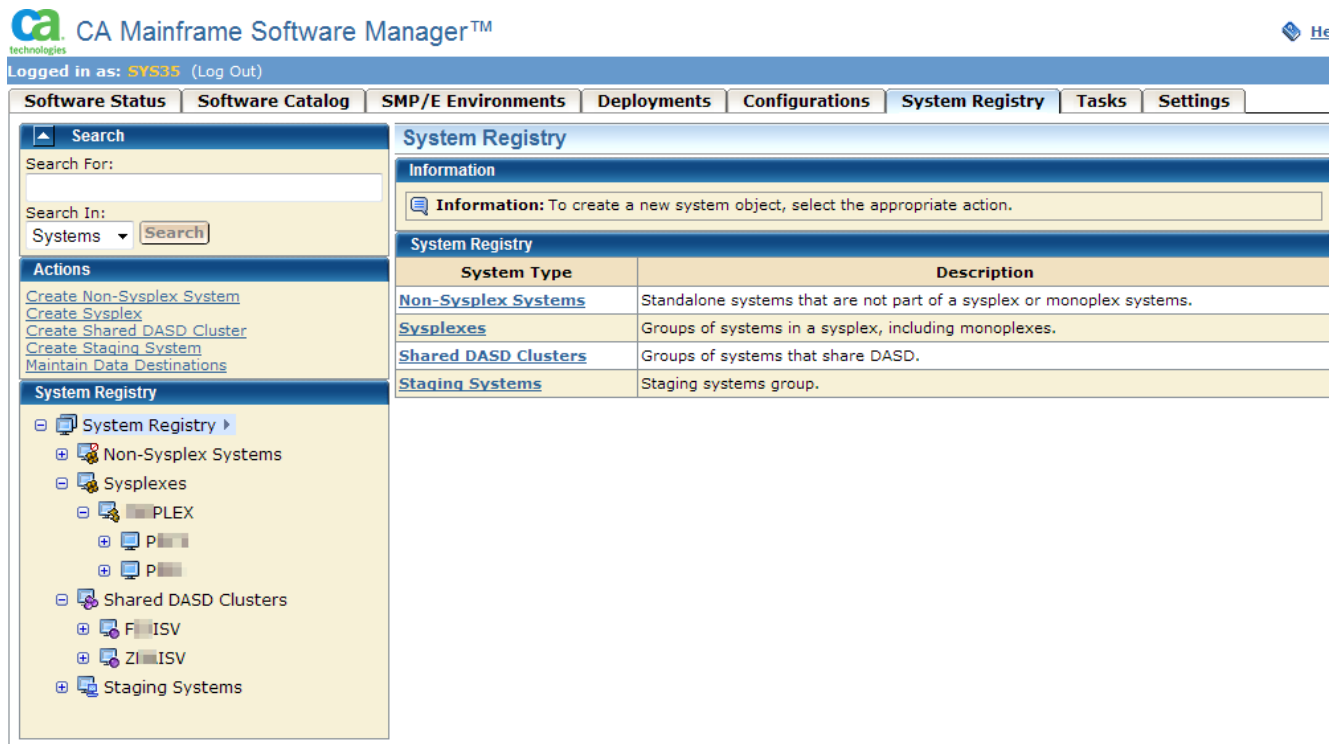
- Environment overview
- MSM installation history and issues
- MSM users
- MSM features used
- Migrating CSIs into MSM
- Acquiring and maintaining software
- Installing software with MSM
- **Deploying software with MSM**
- MSM Hints and Tips

# MSM Usage – Deployment

- If you haven't done so already, you need to install Common Services component CETN300 or CETN400. This contains the code for the Software Deployment Service (SDS). CETN400 is included with CCS R14 but needs to be downloaded if you are running R11 or R12.
- Two started task called “CCISPNSV” & “CCIDSCSV” need to be set up on the target LPAR(s) you will deploy to.
- CETN400 needs to be installed to support the creation of output datasets without cataloging
- CETN400 is also required for the Software Configuration Service (SCS).

# MSM Usage – Deployment

- To start, first set up the system registry and then configure the data destinations.



CA Mainframe Software Manager™  
Logged in as: SYS35 (Log Out)

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

**System Registry**

Information  
Information: To create a new system object, select the appropriate action.

System Type	Description
<a href="#">Non-Sysplex Systems</a>	Standalone systems that are not part of a sysplex or monoplex systems.
<a href="#">Sysplexes</a>	Groups of systems in a sysplex, including monoplexes.
<a href="#">Shared DASD Clusters</a>	Groups of systems that share DASD.
<a href="#">Staging Systems</a>	Staging systems group.

Search  
Search For:  
Search In:  
Systems [Search]

Actions  
[Create Non-Sysplex System](#)  
[Create Sysplex](#)  
[Create Shared DASD Cluster](#)  
[Create Staging System](#)  
[Maintain Data Destinations](#)

System Registry  

- System Registry
  - Non-Sysplex Systems
  - Sysplexes
    - PLEX
      - P
      - P
  - Shared DASD Clusters
    - F ISV
    - ZI ISV
  - Staging Systems

# MSM Usage – Deployment

**Edit Data Destination**

**Information**

**Information:** Name this data destination then choose transmission method and remote allocation data.

**General**

**Name\*:** SYSMZ1

**Description:** ISV Maintenance sysres

**Transmission Method:**  Shared DASD  FTP

**Mount Point\*:** /products/prod/msm/ms

**Storage Class:**

**VOLSER:** SYSMZ1

**Remote Allocation Data**

**GIMUNZIP Volume\*:** SYSMZ1

**Catalog Data Sets:** NO

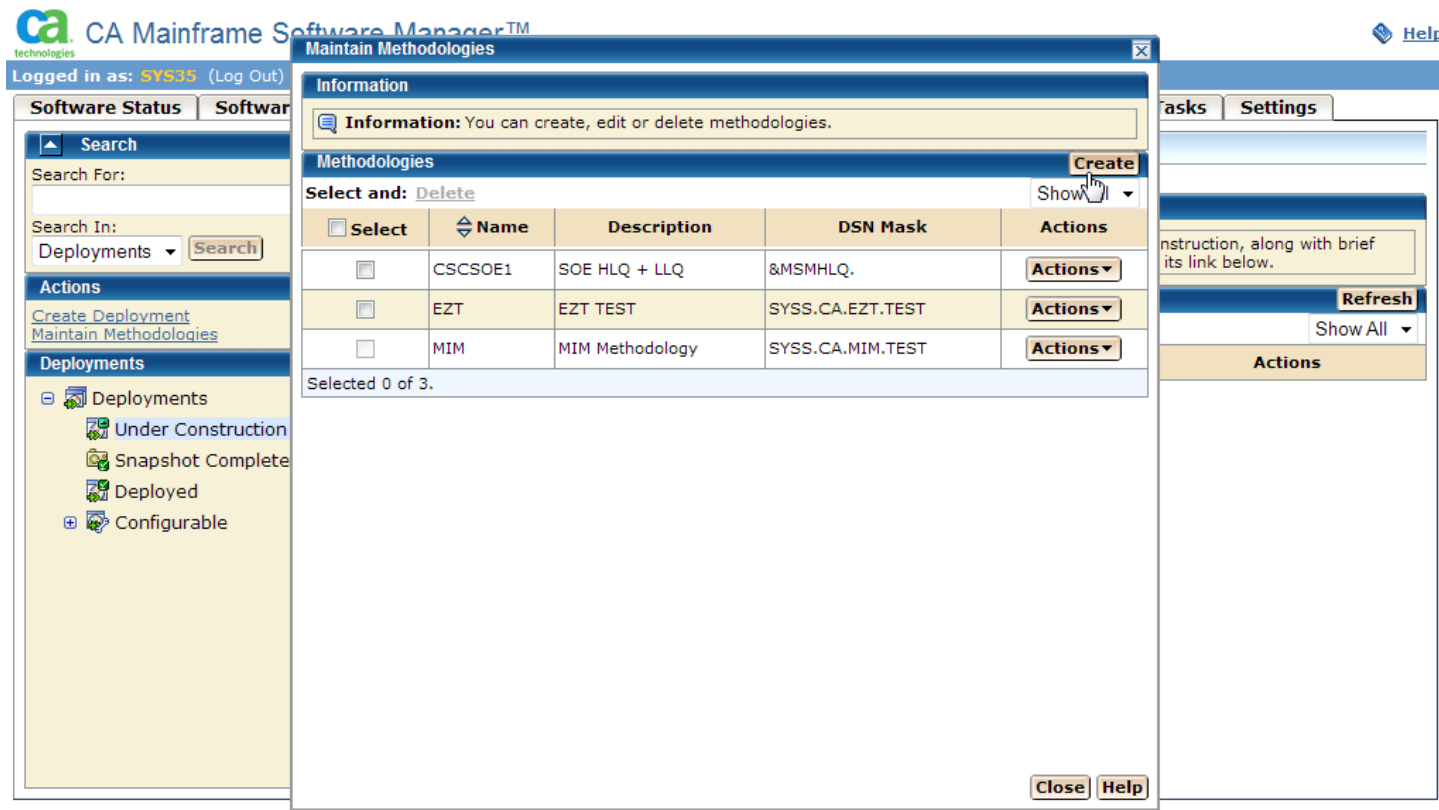
**Unit:** SYSALLDA

**zFS Candidate Volumes:** SYSMZ1

**Save** **Cancel** **Help**

# MSM Usage – Deployment

- Maintain / Create a methodology



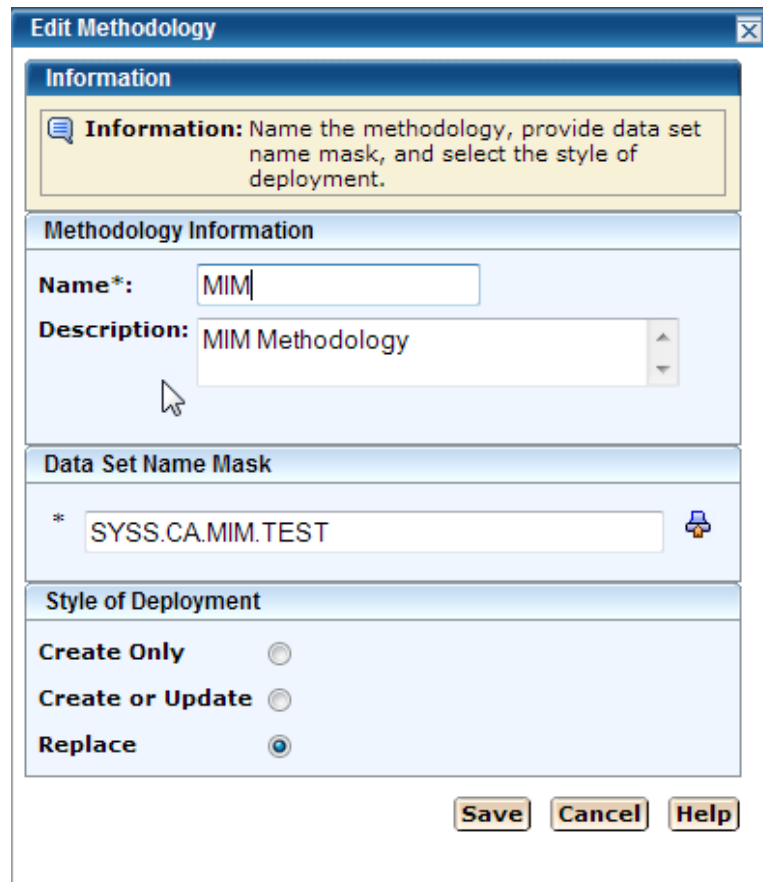
The screenshot shows the 'Maintain Methodologies' window in the CA Mainframe Software Manager. The window title is 'Maintain Methodologies'. It features an 'Information' section with a message: 'You can create, edit or delete methodologies.' Below this is a 'Methodologies' section with a 'Create' button and a 'Show' dropdown menu. A table lists three methodologies:

Select	Name	Description	DSN Mask	Actions
<input type="checkbox"/>	CSCSOE1	SOE HLQ + LLQ	&MSMHLQ.	Actions ▾
<input type="checkbox"/>	EZT	EZT TEST	SYSS.CA.EZT.TEST	Actions ▾
<input type="checkbox"/>	MIM	MIM Methodology	SYSS.CA.MIM.TEST	Actions ▾

Below the table, it says 'Selected 0 of 3.' The window also includes a 'Close' and 'Help' button at the bottom right. The background shows the main application interface with a search bar and a navigation tree.



# MSM Usage – Deployment



**Edit Methodology**

**Information**

**Information:** Name the methodology, provide data set name mask, and select the style of deployment.

**Methodology Information**

**Name\*:** MIM

**Description:** MIM Methodology

**Data Set Name Mask**

\* SYSS.CA.MIM.TEST

**Style of Deployment**

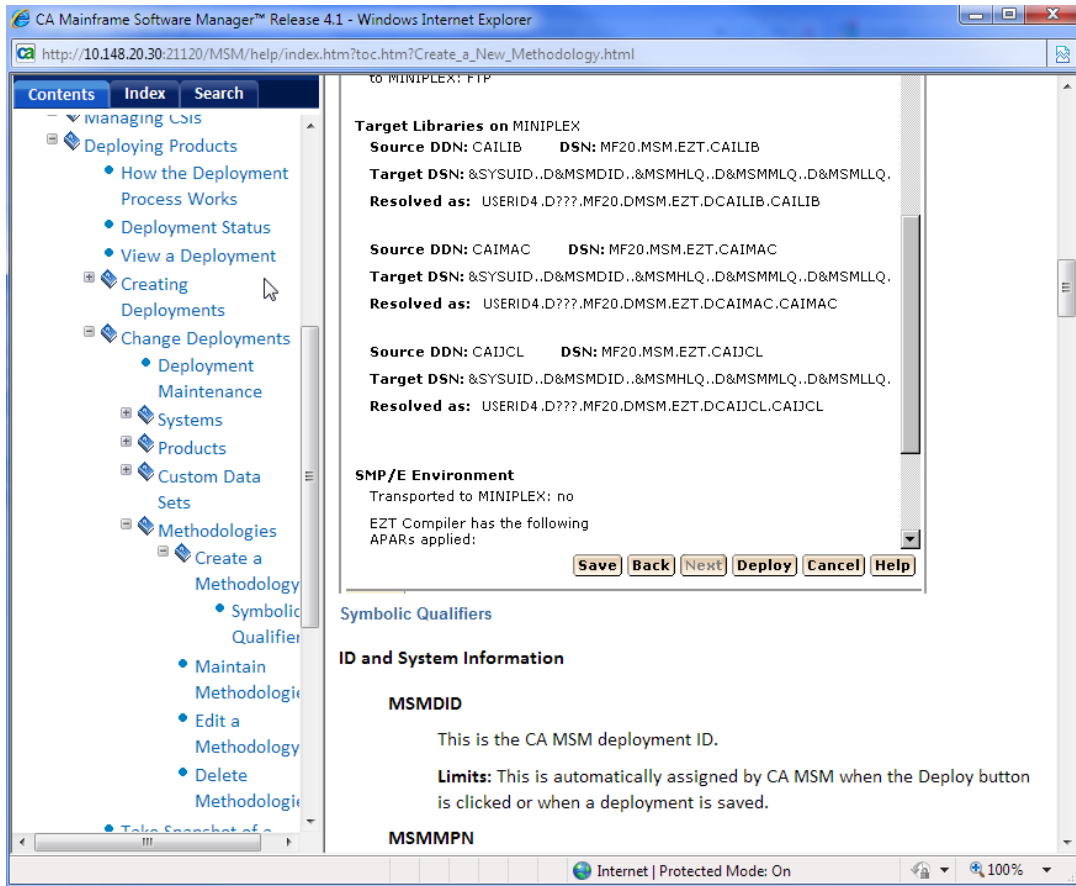
**Create Only**

**Create or Update**

**Replace**

**Save** **Cancel** **Help**

# MSM Usage – Deployment



# MSM Usage – Deployment

For those of you familiar with FDR, a nice methodology enhancement would be to enable the use of a PLUS (+), MINUS (-) or PERIOD (.) in the mask to add, subtract or skip levels when creating the mask for the new name. For example, a common naming convention is to change the HLQ for runtime libraries (compared to install) and drop the version number. Here is how FDR does it:

```
SELECT CATDSN=SYSI.CA.MIM.R118SP0.CBT**, NEWI=SYSS...-
```

Output DSNs are created as SYSS.CA.MIM.CBT\*\*

The equivalent MSM mask would be: SYSS...-

# MSM Usage – Deployment

- Create a deployment

CA Mainframe Software Manager™

[Help](#)

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:  
Deployments

**Actions**

[Create Deployment](#)  
[Maintain Methodologies](#)

**Deployments**

- Deployments
  - Under Construction
  - Snapshot Completed
  - Deployed
  - Configurable

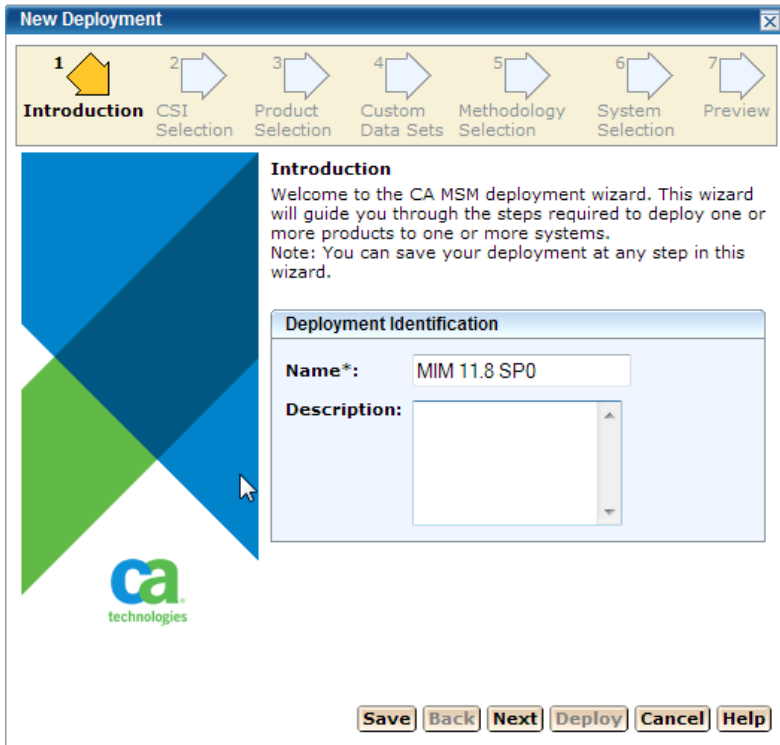
**Deployments**

**Information**

**Information:** To see all deployments of a particular type, click the appropriate link.

Type	Description
<a href="#">Under Construction</a>	Displays all deployments under construction.
<a href="#">Snapshot Completed</a>	Displays all deployments that have had a snapshot taken, but are not deployed.
<a href="#">Deployed</a>	Displays all deployed deployments.
<a href="#">Configurable</a>	Displays all deployments that are deployed and ready for configuration.

# MSM Usage – Deployment



**New Deployment**

1 Introduction 2 CSI Selection 3 Product Selection 4 Custom Data Sets 5 Methodology Selection 6 System Selection 7 Preview

**Introduction**

Welcome to the CA MSM deployment wizard. This wizard will guide you through the steps required to deploy one or more products to one or more systems.  
Note: You can save your deployment at any step in this wizard.

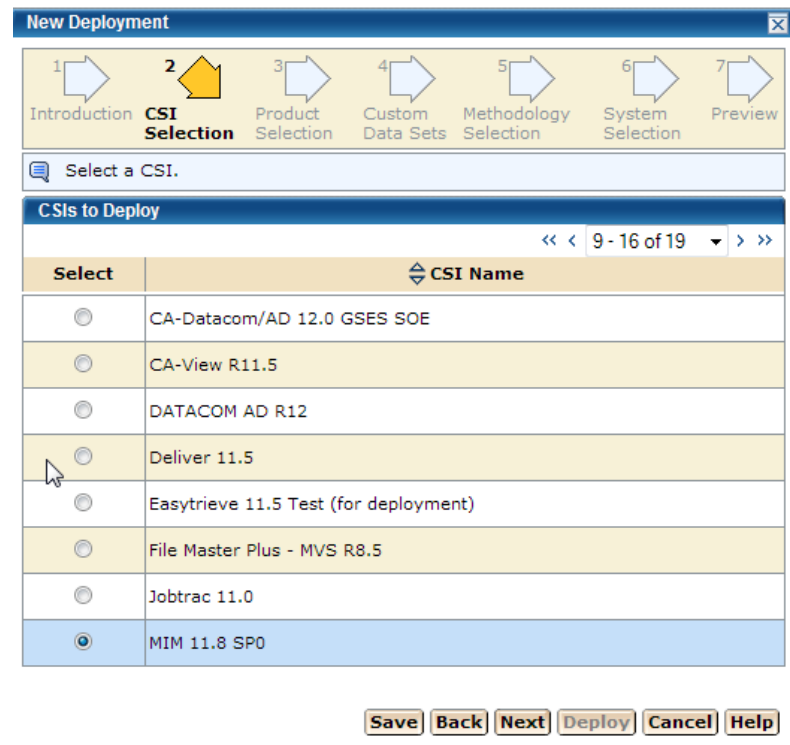
**Deployment Identification**

Name\*: MIM 11.8 SP0

Description:

ca technologies

Save Back Next Deploy Cancel Help



**New Deployment**

1 Introduction 2 CSI Selection 3 Product Selection 4 Custom Data Sets 5 Methodology Selection 6 System Selection 7 Preview

Select a CSI.

**CSIs to Deploy**

<< < 9 - 16 of 19 > >>

Select	CSI Name
<input type="radio"/>	CA-Datacom/AD 12.0 GSES SOE
<input type="radio"/>	CA-View R11.5
<input type="radio"/>	DATA COM AD R12
<input type="radio"/>	Deliver 11.5
<input type="radio"/>	Easytrieve 11.5 Test (for deployment)
<input type="radio"/>	File Master Plus - MVS R8.5
<input type="radio"/>	Jobtrac 11.0
<input checked="" type="radio"/>	MIM 11.8 SP0

Save Back Next Deploy Cancel Help

# MSM Usage – Deployment

**New Deployment**

1 Introduction 2 CSI Selection 3 **Product Selection** 4 Custom Data Sets 5 Methodology Selection 6 System Selection 7 Preview

The following products are available from the selected CSI. You can add more products after this deployment is created. See the help topic Add products.

Products to Deploy				
Select	Product Name	Feature	Release/Gen Level	Text
<input checked="" type="checkbox"/>	CA MIM r11.8		11.8.0	

Selected 1 of 1.

Save Back Next **Deploy** Cancel Help

**New Deployment**

1 Introduction 2 CSI Selection 3 Product Selection 4 **Custom Data Sets** 5 Methodology Selection 6 System Selection 7 Preview

You can add your own custom data sets and USS parts paths to the deployment. Click the Add Data Set button.  
Note: Any entries that have been prepopulated below are USS parts from the CSI and should be edited before continuing to the next step.

Custom Data Sets				
Select	Product Name	Data Set Name	Mask	Actions
<input type="checkbox"/>				

Selected 0 of 0.

Save Back Next **Deploy** Cancel Help

# MSM Usage – Deployment

**New Deployment**

1 Introduction 2 CSI Selection 3 Product Selection 4 Custom Data Sets 5 **Methodology Selection** 6 System Selection 7 Preview

Methodologies are named object with a description they provide the how of deployments. They have a single data set name mask that is used to control which target libraries are called on the target system. Select the applied methodology.

Select	Name	Description	DSN Mask	Actions
<input type="radio"/>	CSCSOE1	SOE HLQ + LLQ	&MSMHLQ.	Actions
<input type="radio"/>	EZT	EZT TEST	SYSS.CA.EZT.TEST	Actions
<input checked="" type="radio"/>	MIM	MIM Methodology	SYSS.CA.MIM.TEST	Actions

Save Back Next **Deploy** Cancel Help

**New Deployment**

1 Introduction 2 CSI Selection 3 Product Selection 4 Custom Data Sets 5 Methodology Selection 6 **System Selection** 7 Preview

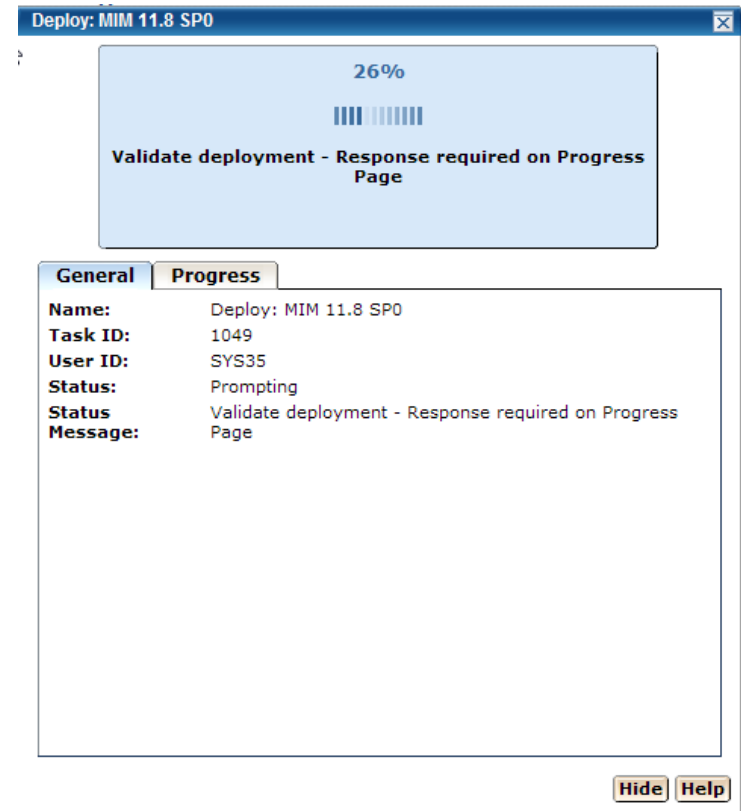
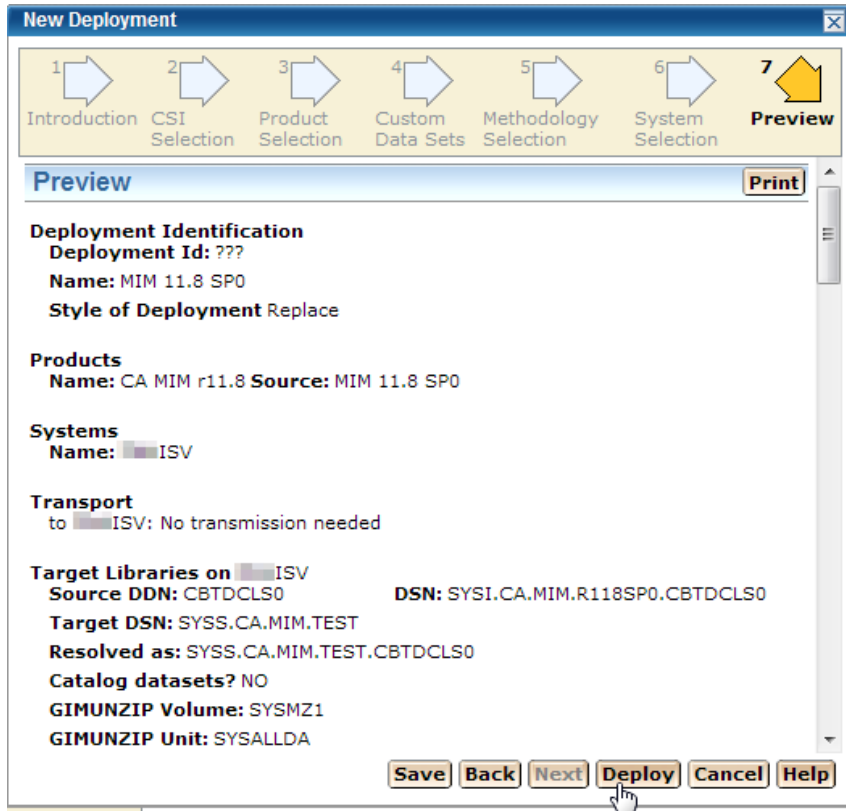
The following systems were included from the selected template. You can add additional systems, or remove systems for this deployment after this deployment is created. See the help topics Add Systems or Remove Systems.

Select	Name	Type	Data Destinations	Description
<input type="checkbox"/>	ISV	Shared DASD Cluster	Default <b>Change</b>	SYSMF1
<input type="checkbox"/>	PLEX	Sysplex	Default <b>Change</b>	PLEX
<input type="checkbox"/>	PLEX: P	Sysplex System	Default <b>Change</b>	PLEX LPAR
<input type="checkbox"/>	PLEX: P	Sysplex System	Default <b>Change</b>	PLEX LPAR
<input checked="" type="checkbox"/>	ISV	Shared DASD Cluster	Default <b>Change</b>	SYSMZ1

Selected 1 of 5.

Save Back Next **Deploy** Cancel Help

# MSM Usage – Deployment





# MSM Usage – Deployment

Deploy: MIM 11.8 SP0

26%

Validate deployment - Response required on Progress Page

**General** **Progress**

Steps Show Results

1 - 10 of 15

#	Name	Status
1	Validate deployable state	✓ Succeeded
2	Deployment Update Status: Snapshot In Progress	✓ Succeeded
3	Validate remote systems	✓ Succeeded
4	Lock CSIs in deployment	✓ Succeeded
5	Validate deployment	Prompting
6	Archive creation	⊗ Not started
7	SYSMODS Extraction	⊗ Not started
8	Freeze deployment	⊗ Not started
9	Record target library names	⊗ Not started
10	Unlock CSIs in this deployment	⊗ Not started

Hide Help

Deploy: MIM 11.8 SP0

26%

Deployment has external requirements

Deployment MIM 11.8 SP0 requires CA Common Services r11 for z/OS on the target system and it was not known to have been deployed.

If you know that product already exists on system ISV, select "OK" and you will not be prompted again.

Otherwise, select "Cancel" and add that product to the deployment.

Note: Your deployed product may not function properly on the target system(s) if you reply "OK" and it does not exist.

OK Cancel

**General** **Progress**

Steps Show Results

1 - 10 of 15

#	Name	Status
1	Validate deployable state	✓ Succeeded
2	Deployment Update Status: Snapshot In Progress	✓ Succeeded
3	Validate remote systems	✓ Succeeded
4	Lock CSIs in deployment	✓ Succeeded
5	Validate deployment	Prompting
6	Archive creation	⊗ Not started
7	SYSMODS Extraction	⊗ Not started
8	Freeze deployment	⊗ Not started
9	Record target library names	⊗ Not started
10	Unlock CSIs in this deployment	⊗ Not started

Hide Help

# MSM Usage – Deployment

Deploy: MIM 11.8 SP0

86%

Create configuration artifacts - Executing

General Progress

Steps			Show Results
			<< < 11 - 15 of 15 >
#	Name	Status	
11	Deployment Update Status: Snapshot Completed	✔ Succeeded	
12	Deployment Update Status: Deploying	✔ Succeeded	
13	Deploy Products	✔ Succeeded	
14	Create configuration artifacts	🔄 Executing	
15	Deployment Update Status: Deployed	🕒 Not started	
			<< < 11 - 15 of 15 >

Hide Help

Deploy: MIM 11.8 SP0

100%

Succeeded

General Progress

Steps			Show Results
			<< < 11 - 15 of 15 >
#	Name	Status	
11	Deployment Update Status: Snapshot Completed	✔ Succeeded	
12	Deployment Update Status: Deploying	✔ Succeeded	
13	Deploy Products	✔ Succeeded	
14	Create configuration artifacts	✔ Succeeded	
15	Deployment Update Status: Configurable	✔ Succeeded	
			<< < 11 - 15 of 15 >

Hide Help

# MSM Usage – Deployment

```

Menu RefList RefMode Utilities Help
-----
Data Set List Utility
Option ==> _

blank Display data set list          P Print data set list
V Display VTOC information          PV Print VTOC information

Enter one or both of the parameters below:
Dsname Level . . . SYSS.CA.MIM
Volume serial . . . SYSMZ1

Data set list options
Initial View
1 1. Volume          / Confirm Data Set Delete
  2. Space          / Confirm Member Delete
  3. Attrib         / Include Additional Qualifiers
  4. Total          / Display Catalog Name
                    / Display Total Tracks
                    _ Prefix Dsname Level

Enter "/" to select option

When the data set list is displayed, enter either:
"/" on the data set list command field for the command prompt pop-up,
an ISPF line command, the name of a TSO command, CLIST, or REXX exec, or
"=" to execute the previous command.

```

```

Menu Options View Utilities Compilers Help
-----
DSLIST - Data Sets on volume SYSMZ1
Command ==> _
Row 1 of 13
Scroll ==> CSR


Command - Enter "/" to select action          Message          Volume
-----
SYSS.CA.MIM.TEST.CBTDCLS0                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDEZTM                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDEZTR                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDHENU                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDJCL                     SYSMZ1
SYSS.CA.MIM.TEST.CBTDLOAD                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDMAC                     SYSMZ1
SYSS.CA.MIM.TEST.CBTDMSEN                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDPARM                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDPENU                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDPROC                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDSAMP                    SYSMZ1
SYSS.CA.MIM.TEST.CBTDXML                     SYSMZ1
***** End of Data Set list *****

```

# Agenda

- Environment overview
- MSM installation history and issues
- MSM users
- MSM features used
- Migrating CSIs into MSM
- Acquiring and maintaining software
- Installing software with MSM
- Deploying software with MSM
- **MSM Hints and Tips**

# Hints and Tips

- Have plenty of DASD available. 😊
- Review the Best Practices Guide
- Use  [Help](#) when needed (upper right hand corner)
- A “fast” PC helps. If the GUI seems slow you may want to set the number of table rows displayed to lower value. Controlled via “Settings → User Preferences”
- Select the option to “Ignore Common Products During Discovery” on the “Settings → Software Acquisition” tab

# Hints and Tips

- Take regular backups

```

//MSMBKUP JOB (ACCT),CLASS=A,...
//*
//* BACKUP ALL MSM COMPONENTS BUT THE
//* CATALOG/SOFTWARE REPOSITORY
//*
//STEP1 EXEC PGM=ADDRSSU,REGION=6M
//*
//SYSPRINT DD SYSOUT=*
//OUT DD DSN=hlq.BACKUP.MSM.R41.DYYYYDDD,
// UNIT=TAPE,DISP=(NEW,CATLG,DELETE),RETPD=180
//*
//*
//FILTERDS DD *
EXCLUDE( -
  hlq.CA.MSM.MSMT*.* -
) -
INCLUDE( -
  hlq.install.CA.MSM.R41.** -
  hlq.runtime.CA.MSM.R41.** -
  hlq.runtime.OMVS.CA.MSM.** -
)
//SYSIN DD *
DUMP DATASET(FILTERDD(FILTERDS)) -
  OUTDDNAME(OUT) CANCELERROR -
  OPTIMIZE(4) TOLERATE(ENQFAILURE) -
  ALLDATA(*) ALLEXCP
/*

```

# Hints and Tips – Using Tags

SMP/E Environments				
SMP/E Environments				Refresh
Show: All tags <input type="checkbox"/> Show Working Set Only				
Select and:	<a href="#">Use as Working Set</a>	<a href="#">Set Automatic Update</a>	<a href="#">Upgrade CA RS Level</a>	<a href="#">Exception SYSMOD Report</a> Show All ▾
<input type="checkbox"/> Select	↕ Name	↕ Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	Actions ▾
<input checked="" type="checkbox"/>	<a href="#">ACF2 R14 SP1</a>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	No tags	Actions ▾
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI		
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI		
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI		
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI		
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI		
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI		
<input type="checkbox"/>	<a href="#">CA-Datcom/AD 12.0 GSES SOE</a>	MVSSMPS.DATCOMAD.V12.CSI	migrated, bob, zos113soe	Actions ▾

- Remove from Working Set
- Change Name
- Edit Tags
- Set Automatic Update
- Upgrade CA RS Level
- Delete CSI Data Sets
- Exception SYSMOD Report
- Remove CSI from CA MSM
- Create Deployment

# Hints and Tips – Using Tags

Tags editor

Select or remove tags. Disabled buttons mean that tag cannot be removed because is in use.

Tags for CSI: ACF2 R14 SP1

1 - 7 of 7

Select	Tag	Action
<input type="checkbox"/>	bob	Remove
<input type="checkbox"/>	dave	Remove
<input type="checkbox"/>	fred	Remove
<input checked="" type="checkbox"/>	mark	Remove
<input checked="" type="checkbox"/>	migrated	Remove
<input type="checkbox"/>	thulasi	Remove
<input type="checkbox"/>	zos113soe	Remove

Selected 2 of 7.

New Apply Close

Tags editor

Select or remove tags. Disabled buttons mean that tag cannot be removed because is in use.

Tags for CSI: ACF2 R14 SP1

1 - 7 of 7

Select	Tag	Action
<input type="checkbox"/>	bob	Remove
<input type="checkbox"/>	dave	Remove
<input type="checkbox"/>	fred	Remove
<input checked="" type="checkbox"/>	mark	Remove
<input checked="" type="checkbox"/>	migrated	Remove
<input type="checkbox"/>	thulasi	Remove
<input type="checkbox"/>	zos113soe	Remove

Selected 2 of 7.

New Apply Close

Tags editor

Changes were successfully applied.

OK



# Hints and Tips – Using Tags

SMP/E Environments				
SMP/E Environments				Refresh
Show: All tags <input type="checkbox"/> Show Working Set Only				
Select and:	<a href="#">Use as Working Set</a>	<a href="#">Set Automatic Update</a>	<a href="#">Upgrade CA RS Level</a>	<a href="#">Exception SYSMOD Report</a> Show All ▾
<input type="checkbox"/> Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	Actions ▾
<input checked="" type="checkbox"/>	<a href="#">ACF2 R14 SP1</a>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	mark, migrated	Actions ▾
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI	mark, migrated, zos113soe	Actions ▾
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI	dave	Actions ▾
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI	migrated, zos113soe, thulasi	Actions ▾
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI	migrated, bob, zos113soe	Actions ▾
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	Actions ▾
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI	migrated, bob, zos113soe	Actions ▾

## Hints and Tips – Catalog Cleanup

- The data from products acquired is held in z/OS unix file systems (HFS or zFS).
- Even if you remove a CSI from MSM or delete the CSI and data sets, the base product and all the maintenance packages remain in the MSM catalog.
- If someone removes a product / genlevel from MSM control and you aren't sure they removed the product from the catalog, you have to manually start expanding release and genlevels from the catalog tree and see if there is anything left over to remove.

# Hints and Tips – Catalog Cleanup

Logged in as: **SYS35** (Log Out)

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

**Search**

Search For:

Search In:

Products

**Actions**

[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

**Filter**

Show:

All

**Available Products**

- MVS
  - CA 7 Workload Automation Smart Console Option - MVS
  - CA ACF2 - MVS
    - 14.0
      - SP01
    - 15.0
  - CA ACF2 Option for DB2 - MVS

**SP01**

[Products](#) > [CA](#) > [CA ACF2 - MVS](#) > [14.0](#) > SP01

**Base Install Packages**

Show: All

Select and: [Download](#) Show All

Select	Name	Last Modified Date	Type	Download Status	Size	Release/Gen Level	Actions
<input type="checkbox"/>	<a href="#">ACF2 APAR MEDIA - ESD ONLY</a>	Jan 4, 2012	Base Install	Yes	709 Kb	14.0/AT01	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">ACF2 PRODUCT MAINT LETTER</a>	Feb 26, 2010	PDF	Yes	207 Kb	14.0/SP01	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA ACF2 PRODUCT PACKAGE</a>	Aug 22, 2011	Base Install	Yes	40 Mb	14.0/SP01	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA COMMON SERVICES COVER LTR</a>	Jun 26, 2012	PDF	Yes	187 Kb	14.1/0000	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA LDAP SERVER - ESD ONLY</a>	Feb 4, 2010	Base Install	Yes	13 Mb	14.0/SP01	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA LDAP SERVER COVER LETTER</a>	Feb 28, 2011	PDF	Yes	291 Kb	14.0/SP01	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA MSM COVER LETTER</a>	May 16, 2012	PDF	Yes	182 Kb	5.0/0000	<input type="button" value="Actions v"/>
<input type="checkbox"/>	<a href="#">CA MSM PRE VAL UTIL-ESD ONLY</a>	May 30, 2012	Base Install (Non SMP/E)	Yes	3 Mb	5.0/0000	<input type="button" value="Actions v"/>

# Hints and Tips – Catalog Cleanup

- Instead of expanding all the products from the catalog tree, it may be helpful to look at the mount point manager directory structure as a starting point.

```

Menu Utilities View Options Help
z/OS UNIX Directory List
Command ==> _
Pathname . : /products/prod/msmmpm/scroot/DatabaseM/CA
Command  Filename                Message                Type Permission Audit  Ext  Fmat Owner
-----
.         Dir      rwxr-xr-x  fff---      ---- BPXROOT
..        Dir      rwxr-xr-x  fff---      ---- BPXROOT
error_hold_data  Dir      rwxr-xr-x  fff---      ---- BPXROOT
CA_Allocate_DASD_Space_an  Dir      rwxr-xr-x  fff---      ---- BPXROOT
CA_ACF2_-_MVS     Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Copycat_UTILITY_-_MVS  Dir      rwxr-xr-x  fff---      ---- BPXROOT
CA_Datacom_AD_-_MVS     Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Deliver_-_MVS      Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Dispatch_-_MVS     Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Easytrieve_Report_Gene  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_File_Master_Plus_-_MVS  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Jobtrac_Job_Management  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Mainframe_Software_Man  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_MIM_Resource_Sharing_-_  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Spool_Package_-_MVS    Dir      rwxr-xr-x  fff---      ---- BPXROOT
CA_SYSVIEWE_JES_Component  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Vantage_Storage_Resour  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_View_-_MVS         Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_Workload_Automation_Re  Dir      rwxrwxr-x  fff---      ---- BPXROOT
CA_7_Workload_Automation_  Dir      rwxrwxr-x  fff---      ---- BPXROOT

```

# Hints and Tips – Catalog Cleanup

- You can look at what releases / genlevels are below the higher level directory, but it doesn't always mean there is something in the catalog.

```

Menu Utilities View Options Help
z/OS UNIX Directory List
Command ==> _
Pathname . : /products/prod/msmmpm/scroot/DatabaseM/CA/CA_ACF2_-_MVS
Command  Filename                Message                Type Permission Audit  Ext  Fmat Owner
-----
.         Dir  rwxrwxr-x  fff---  ----  BPXROOT
..        Dir  rwxr-xr-x  fff---  ----  BPXROOT
14.0     Dir  rwxr-xr-x  fff---  ----  BPXROOT
15.0     Dir  rwxr-xr-x  fff---  ----  BPXROOT
***** Bottom of data *****

```

```

Menu Utilities View Options Help
z/OS UNIX Directory List
Command ==> _
Pathname . : /products/prod/msmmpm/scroot/DatabaseM/CA/CA_ACF2_-_MVS/14.0
Command  Filename                Message                Type Permission Audit  Ext  Fmat Owner
-----
.         Dir  rwxr-xr-x  fff---  ----  BPXROOT
..        Dir  rwxrwxr-x  fff---  ----  BPXROOT
SP01     Dir  rwxr-xr-x  fff---  ----  BPXROOT
0000     Dir  rwxr-xr-x  fff---  ----  BPXROOT
***** Bottom of data *****

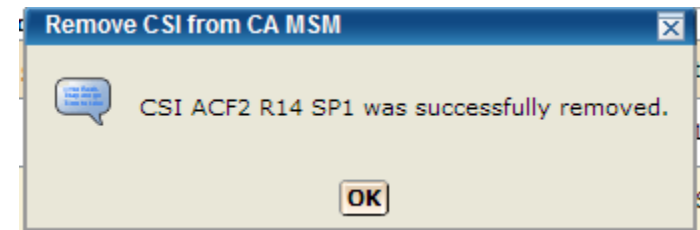
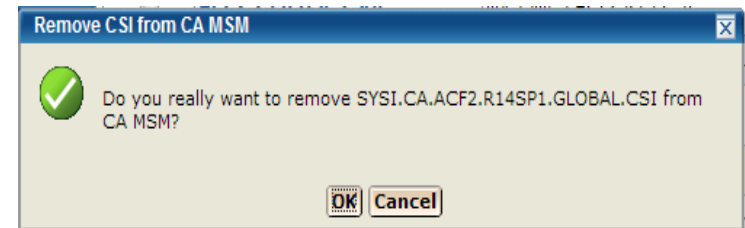
```

# Hints and Tips – Catalog Cleanup

Here I am removing the ACF2 R14 CSI that we migrated earlier.

SMP/E Environments				
SMP/E Environments <span style="float: right;">Refresh</span>				
Show: All tags <input type="checkbox"/> Show Working Set Only				
Select and:	<a href="#">Use as Working Set</a>	<a href="#">Set Automatic Update</a>	<a href="#">Upgrade CA RS Level</a>	<a href="#">Exception SYSMOD Report</a> <span>Show All ▾</span>
Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	Actions ▾
<input checked="" type="checkbox"/>	<a href="#">ACF2 R14 SP1</a>	SYSI.CA.ACF2.R14SP1.GLOBAL.CSI	mark, migrated	Actions ▾
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI		
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI		
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI		
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI		
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI		
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI		
<input type="checkbox"/>	<a href="#">CA-Datcom/AD 12.0 GSES</a>		migrated, hsh	

- Remove from Working Set
- Change Name
- Edit Tags
- Set Automatic Update
- Upgrade CA RS Level
- Delete CSI Data Sets
- Exception SYSMOD Report
- Remove CSI from CA MSM
- Create Deployment



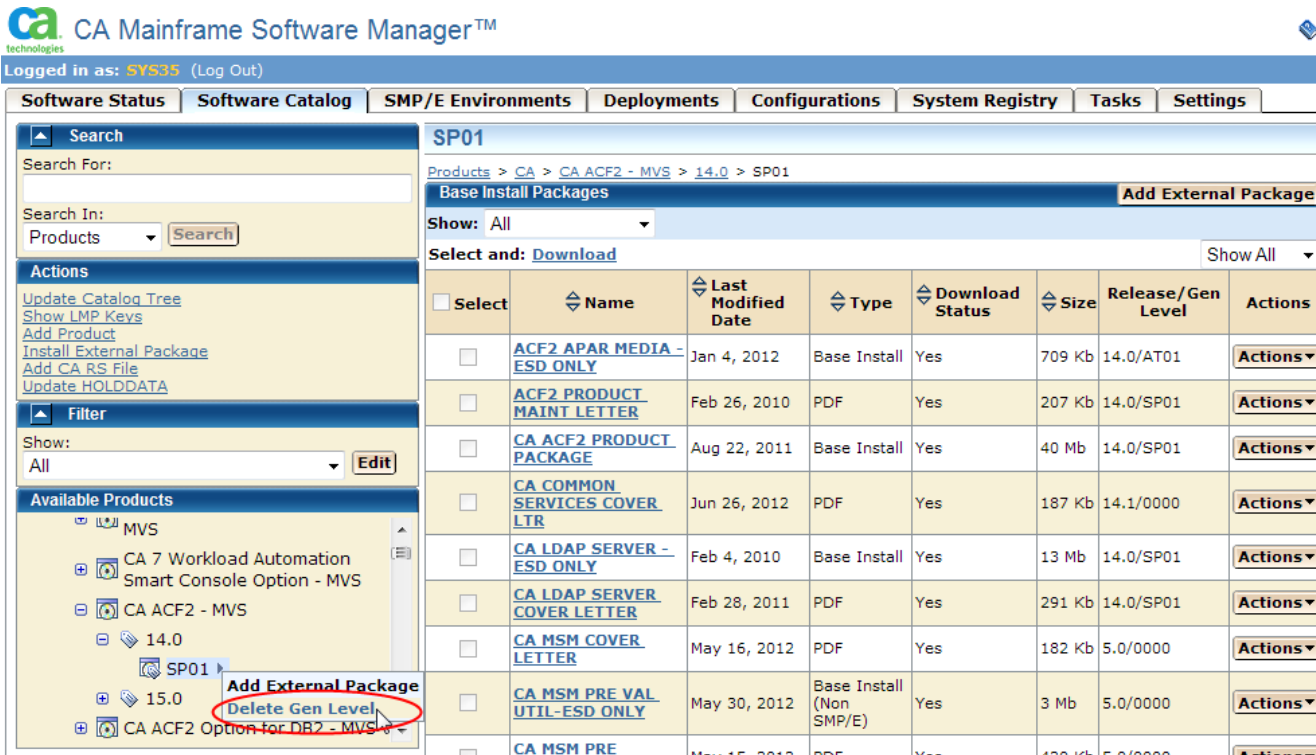
# Hints and Tips – Catalog Cleanup

You can see from the SMP/E screen ACF2 R14 is now gone.

SMP/E Environments <span style="float: right;">Refresh</span>				
List of CSI has been changed.				
SMP/E Environments <span style="float: right;">Refresh</span>				
Show: All tags <input type="checkbox"/> Show Working Set Only				
Select and:	<a href="#">Use as Working Set</a>	<a href="#">Set Automatic Update</a>	<a href="#">Upgrade CA RS Level</a>	<a href="#">Exception SYSMOD Report</a> <span>Show All</span>
Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	<a href="#">ACF2 15.0 GSES SOE</a>	MVSSMPS.ACF2.R15.CSI	mark, migrated, zos113soe	Actions
<input type="checkbox"/>	<a href="#">ACF2IMS 15.0 GSES SOE</a>	MVSSMPS.ACF2IMS.R15.CSI	mark, migrated, zos113soe	Actions
<input type="checkbox"/>	<a href="#">CA Spool r11.7</a>	SYSI.CA.SPOOL.R117.CSI	dave	Actions
<input type="checkbox"/>	<a href="#">CA Vantage Release 12.6 - GSES</a>	MVSSMPS.SAMVANTG.V12R6M0.CSI	migrated, zos113soe, thulasi	Actions
<input type="checkbox"/>	<a href="#">CA-Allocate GSES SOE</a>	MVSSMPS.SAMALLOC.V12R5M0.CSI	migrated, bob, zos113soe	Actions
<input type="checkbox"/>	<a href="#">CA-CCS 12.0 GSES SOE</a>	MVSSMPS.CAS9.R12.CSI	migrated, bob, zos113soe	Actions
<input type="checkbox"/>	<a href="#">CA-Copycat Release 12.0 - GSES</a>	MVSSMPS.COPYCAT.V12R0M0.CSI	migrated, bob, zos113soe	Actions
<input type="checkbox"/>	<a href="#">CA-Datacom/AD 12.0 GSES SOE</a>	MVSSMPS.DATCOMAD.V12.CSI	migrated, bob, zos113soe	Actions
<input type="checkbox"/>	<a href="#">CA-View R11.5</a>	SYSI.CA.VIEW.R115.GLOBAL.CSI	bob	Actions

# Hints and Tips – Catalog Cleanup

To delete the product genlevel, mouseover the genlevel in the catalog tree and right click to select the delete option.



CA Mainframe Software Manager™  
Logged in as: SYS35 (Log Out)

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

Search  
Search For:  
Search In: Products [Search]

Actions  
Update Catalog Tree  
Show LMP Keys  
Add Product  
Install External Package  
Add CA RS File  
Update HOLDDATA

Filter  
Show: All [Edit]

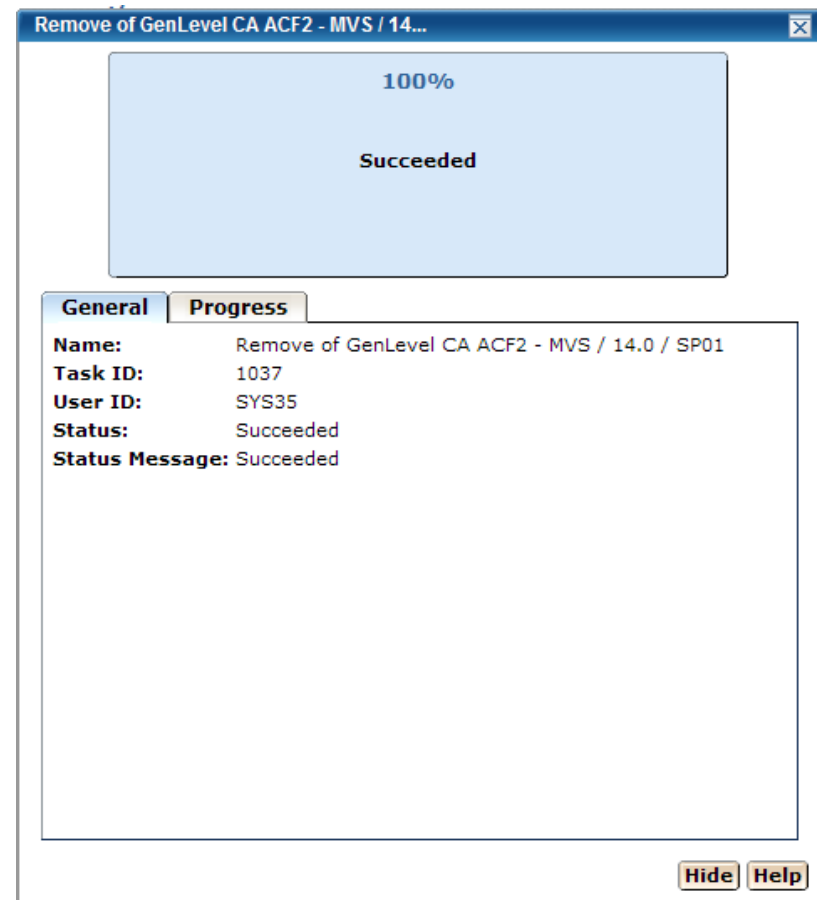
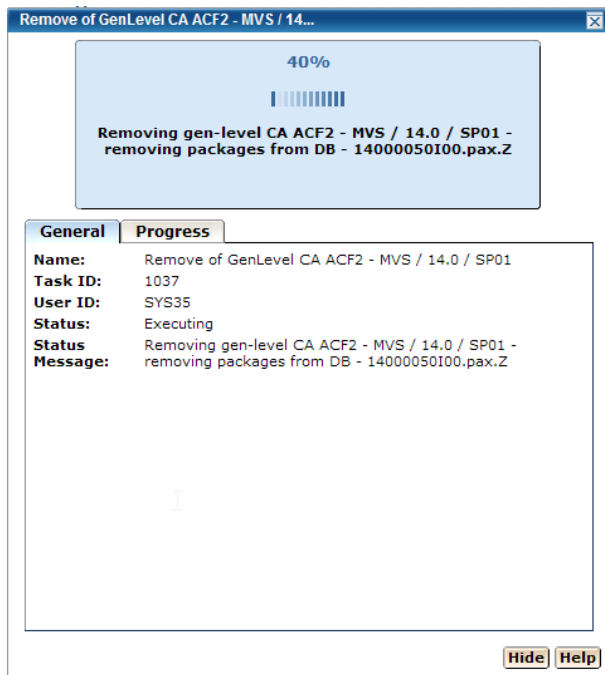
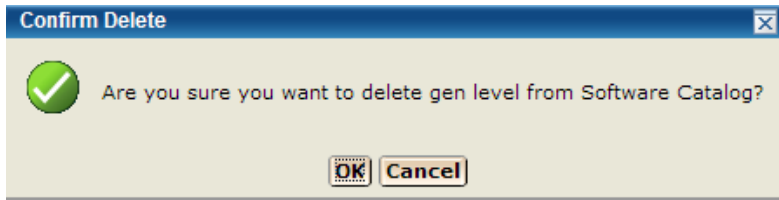
Available Products  
MVS  
CA 7 Workload Automation Smart Console Option - MVS  
CA ACF2 - MVS  
14.0  
SP01  
15.0  
CA ACF2 Option for DB2 - MVS

SP01  
Products > CA > CA ACF2 - MVS > 14.0 > SP01  
Base Install Packages [Add External Package]  
Show: All  
Select and: Download [Show All]

Select	Name	Last Modified Date	Type	Download Status	Size	Release/Gen Level	Actions
<input type="checkbox"/>	<a href="#">ACF2 APAR MEDIA - ESD ONLY</a>	Jan 4, 2012	Base Install	Yes	709 Kb	14.0/AT01	Actions
<input type="checkbox"/>	<a href="#">ACF2 PRODUCT MAINT LETTER</a>	Feb 26, 2010	PDF	Yes	207 Kb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA ACF2 PRODUCT PACKAGE</a>	Aug 22, 2011	Base Install	Yes	40 Mb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA COMMON SERVICES COVER LTR</a>	Jun 26, 2012	PDF	Yes	187 Kb	14.1/0000	Actions
<input type="checkbox"/>	<a href="#">CA LDAP SERVER - ESD ONLY</a>	Feb 4, 2010	Base Install	Yes	13 Mb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA LDAP SERVER COVER LETTER</a>	Feb 28, 2011	PDF	Yes	291 Kb	14.0/SP01	Actions
<input type="checkbox"/>	<a href="#">CA MSM COVER LETTER</a>	May 16, 2012	PDF	Yes	182 Kb	5.0/0000	Actions
<input type="checkbox"/>	<a href="#">CA MSM PRE VAL UTIL-ESD ONLY</a>	May 30, 2012	Base Install (Non SMP/E)	Yes	3 Mb	5.0/0000	Actions
<input type="checkbox"/>	<a href="#">CA MSM PRE</a>	MAY 15, 2012	PDF	Yes	120 Kb	5.0/0000	Actions

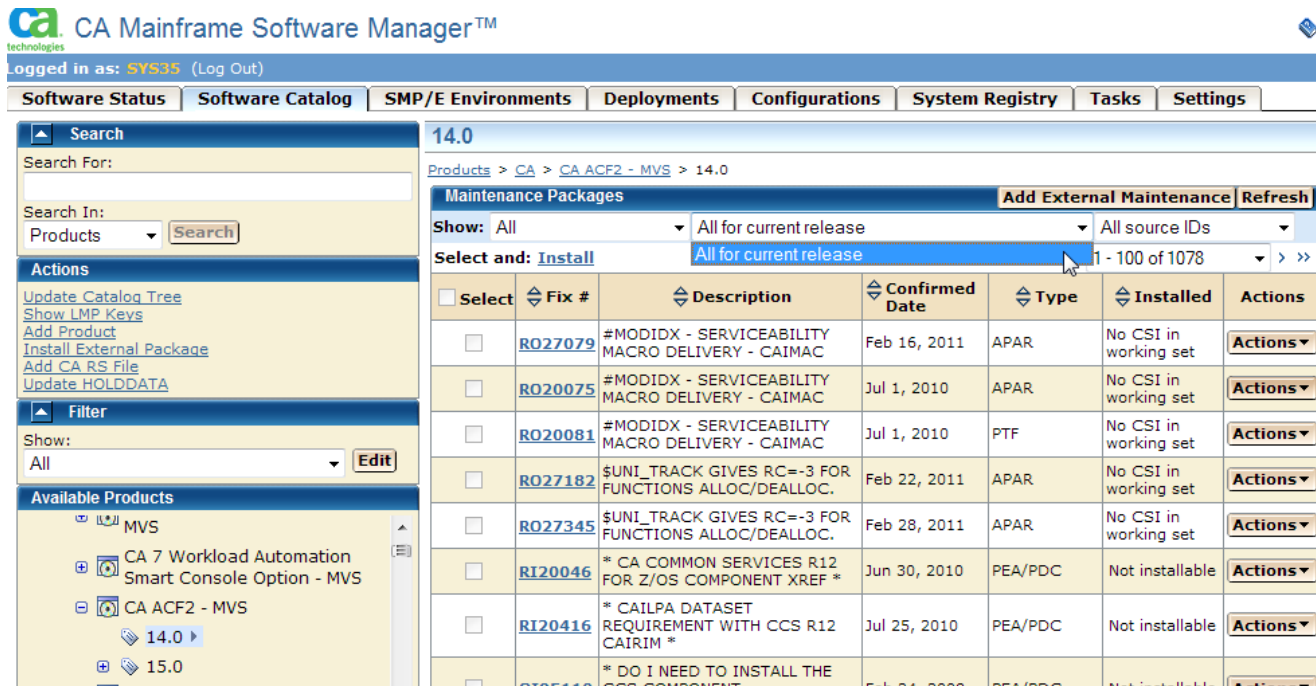


# Hints and Tips – Catalog Cleanup



# Hints and Tips – Catalog Cleanup

You can see the genlevel is gone, but note that there are still PTFs. These are from common services, which was included with the ACF2 R14 package.



CA Mainframe Software Manager™

Logged in as: SYS35 (Log Out)

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

14.0

Products > CA > CA ACF2 - MVS > 14.0

Maintenance Packages Add External Maintenance Refresh

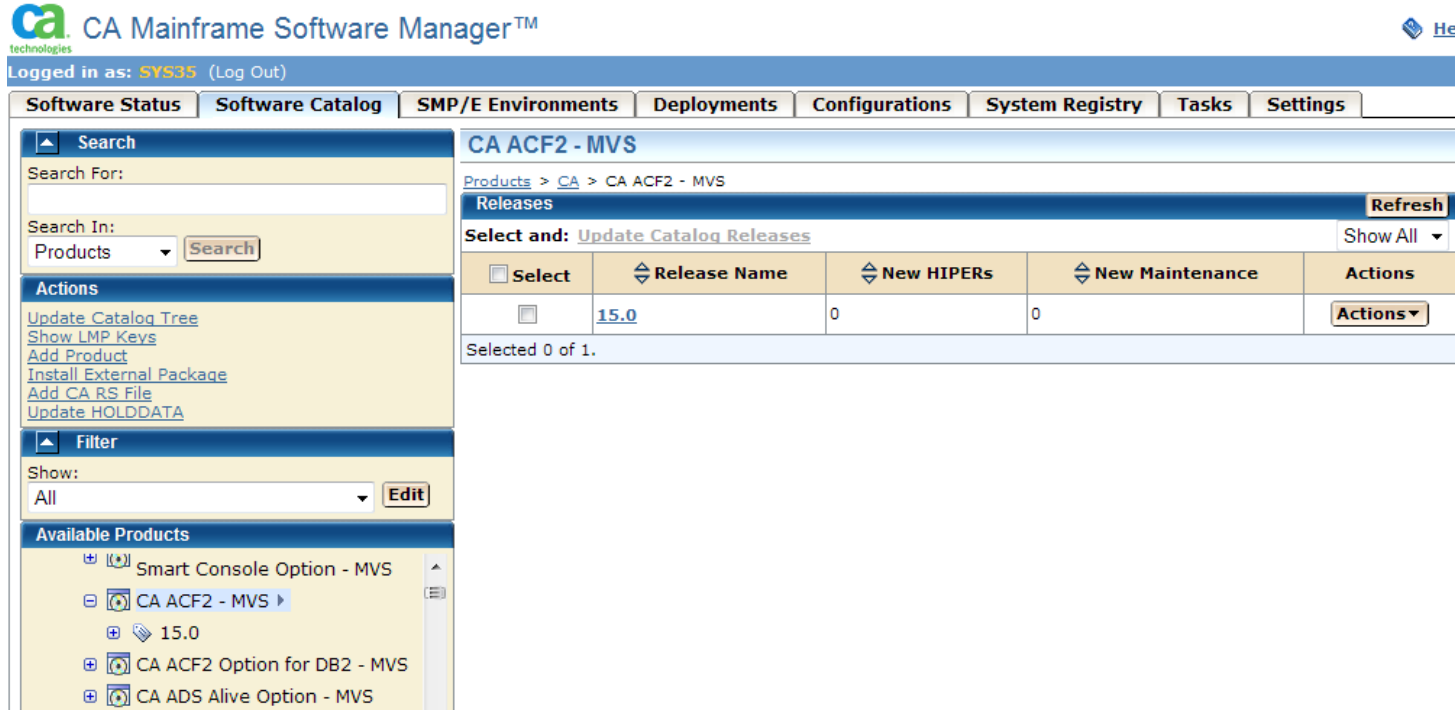
Show: All | All for current release | All source IDs

Select and: Install | All for current release | 1 - 100 of 1078

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	RO27079	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Feb 16, 2011	APAR	No CSI in working set	Actions
<input type="checkbox"/>	RO20075	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Jul 1, 2010	APAR	No CSI in working set	Actions
<input type="checkbox"/>	RO20081	#MODIDX - SERVICEABILITY MACRO DELIVERY - CAIMAC	Jul 1, 2010	PTF	No CSI in working set	Actions
<input type="checkbox"/>	RO27182	SUNI_TRACK GIVES RC=-3 FOR FUNCTIONS ALLOC/DEALLOC.	Feb 22, 2011	APAR	No CSI in working set	Actions
<input type="checkbox"/>	RO27345	SUNI_TRACK GIVES RC=-3 FOR FUNCTIONS ALLOC/DEALLOC.	Feb 28, 2011	APAR	No CSI in working set	Actions
<input type="checkbox"/>	RI20046	* CA COMMON SERVICES R12 FOR Z/OS COMPONENT XREF *	Jun 30, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI20416	* CAILPA DATASET REQUIREMENT WITH CCS R12 CAIRIM *	Jul 25, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI05110	* DO I NEED TO INSTALL THE CCS COMPONENT	Feb 24, 2008	PEA/PDC	Not installable	Actions

# Hints and Tips – Catalog Cleanup

Here is screen shot from after I deleted the entire ACF2 R14 release (not just the genlevel)



CA Mainframe Software Manager™  
 Logged in as: SYS35 (Log Out)

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

Search  
 Search For:  
 Search In: Products [Search]

Actions  
[Update Catalog Tree](#)  
[Show LMP Keys](#)  
[Add Product](#)  
[Install External Package](#)  
[Add CA RS File](#)  
[Update HOLDDATA](#)

Filter  
 Show: All [Edit]

Available Products  
 Smart Console Option - MVS  
 CA ACF2 - MVS  
 15.0  
 CA ACF2 Option for DB2 - MVS  
 CA ADS Alive Option - MVS

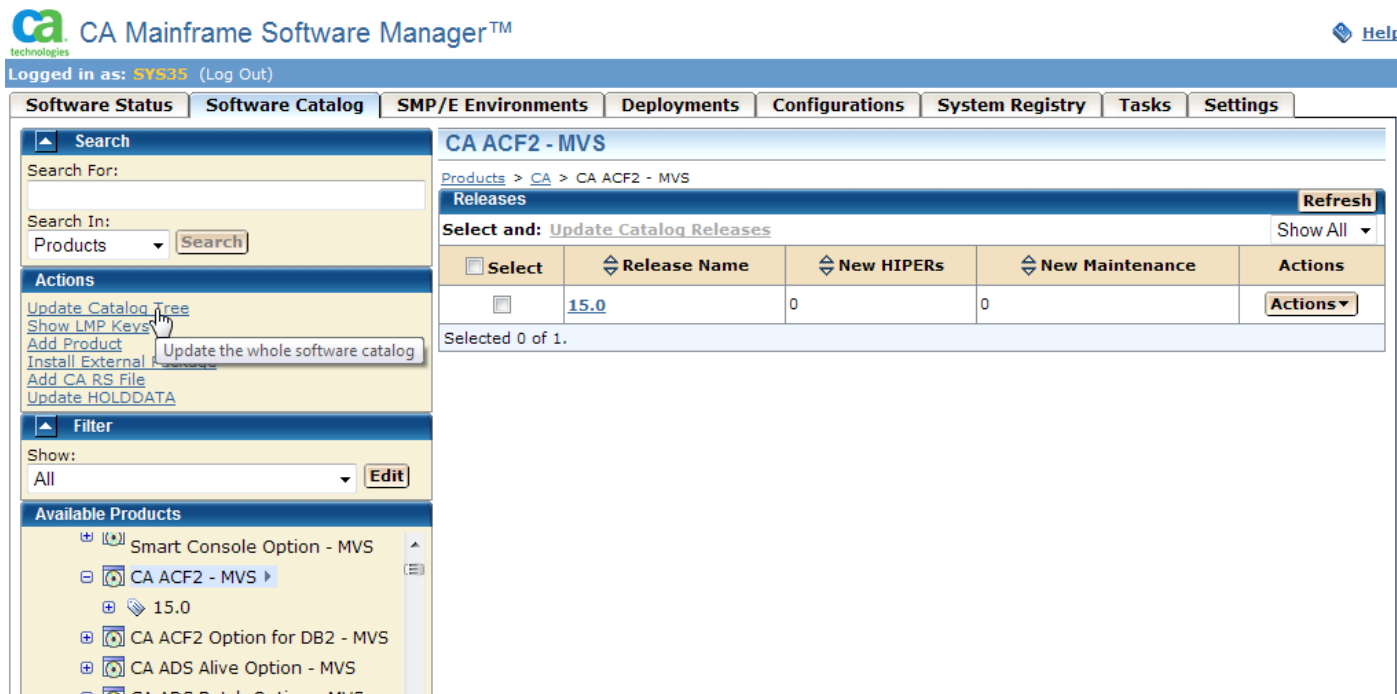
CA ACF2 - MVS  
 Products > CA > CA ACF2 - MVS  
 Releases [Refresh]  
 Select and: [Update Catalog Releases](#) Show All

Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	15.0	0	0	Actions

Selected 0 of 1.

# Hints and Tips – Catalog Cleanup

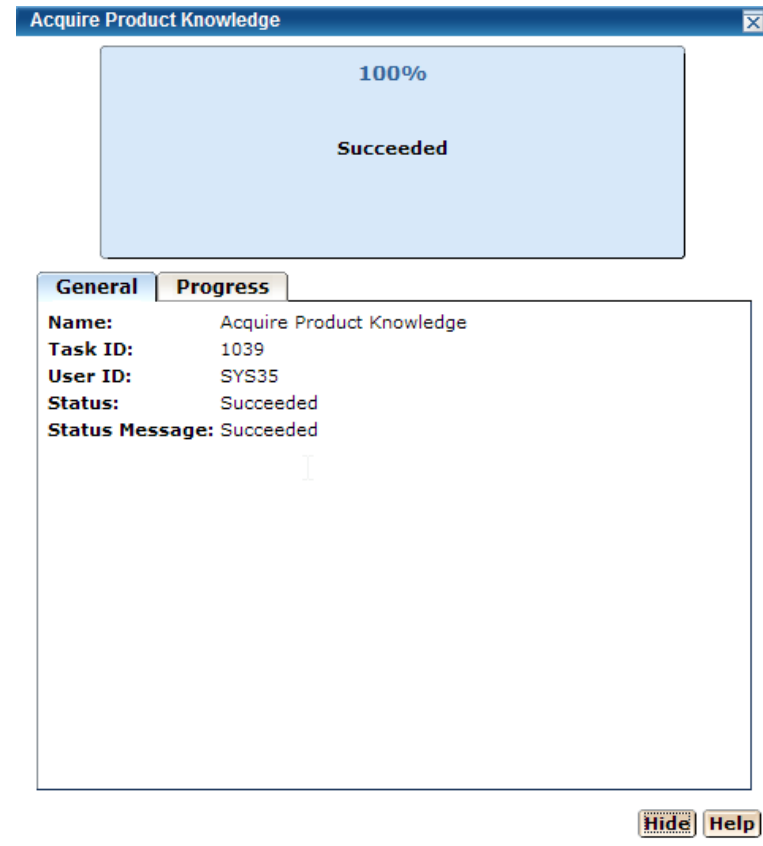
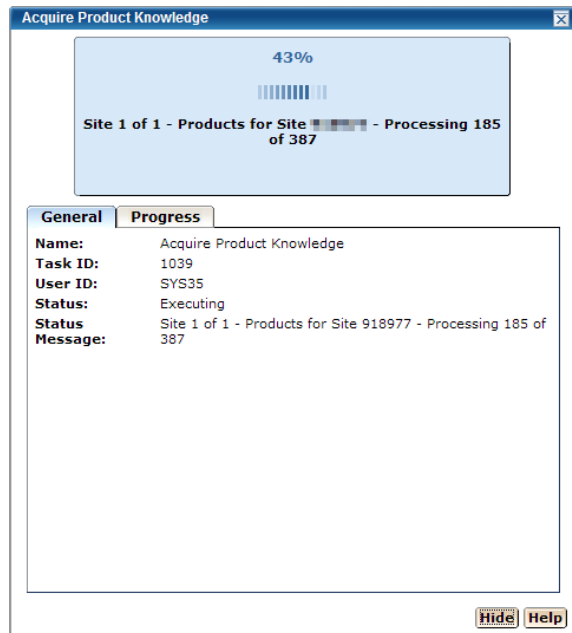
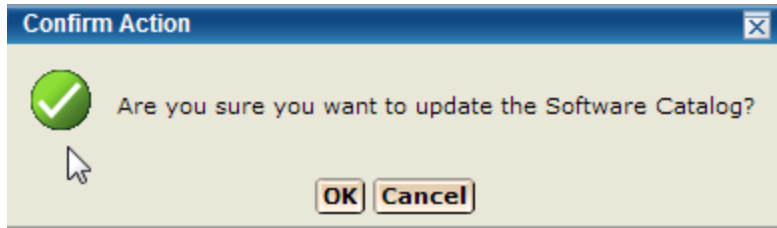
Note that the next time you update the catalog tree, the available releases and genlevels you delete may show up in the tree again.



The screenshot shows the CA Mainframe Software Manager interface. The user is logged in as SYS35. The 'Software Catalog' tab is active, displaying the 'CA ACF2 - MVS' product page. The 'Releases' table shows one release, '15.0', with 0 new HIPERs and 0 new maintenance items. The 'Actions' menu is open, highlighting 'Update Catalog Tree' with a tooltip that reads 'Update the whole software catalog'.

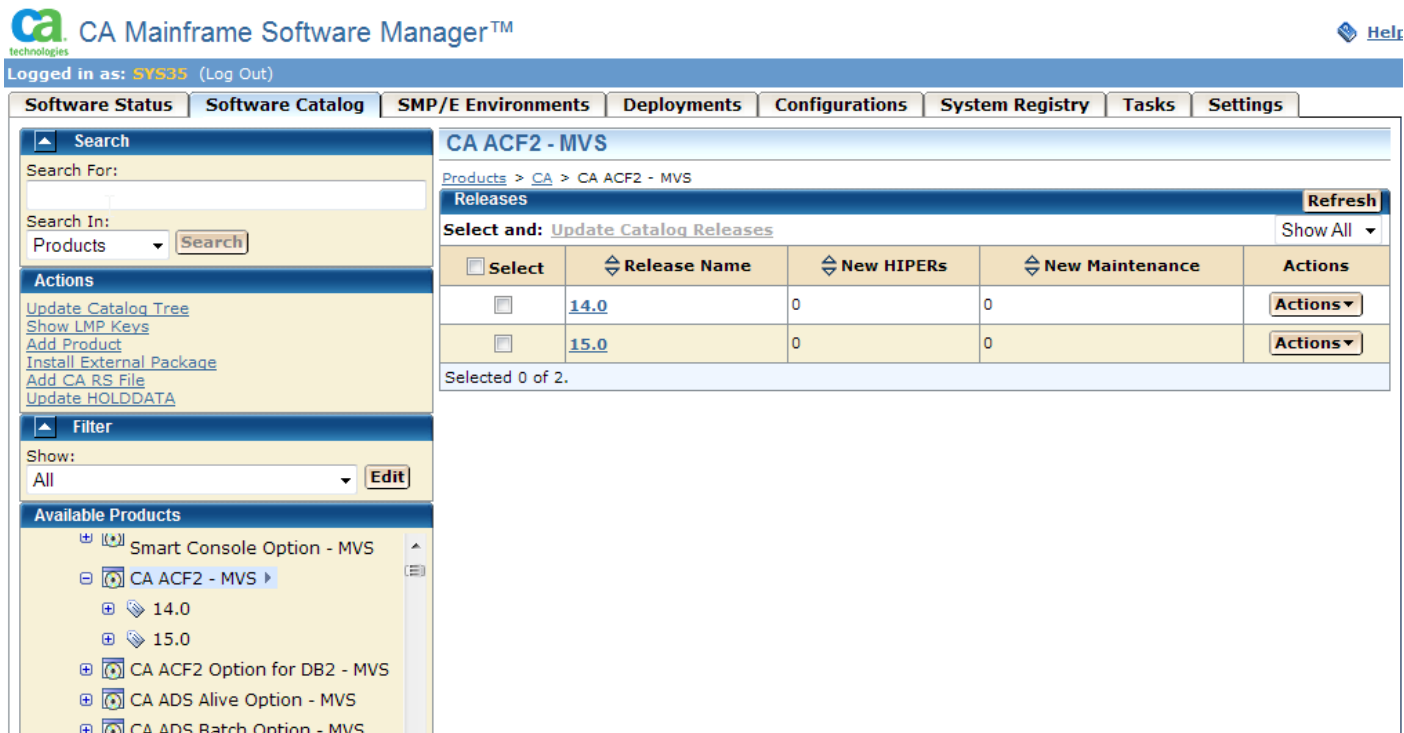
Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	15.0	0	0	Actions

# Hints and Tips – Catalog Cleanup



# Hints and Tips – Catalog Cleanup

The catalog tree is updated and ACF2 R14 is back! But it is just an entry in the tree.



CA Mainframe Software Manager™

Logged in as: SYS35 (Log Out)

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

Search

Search For:

Search In: Products [Search]

Actions

- Update Catalog Tree
- Show LMP Keys
- Add Product
- Install External Package
- Add CA RS File
- Update HOLDDATA

Filter

Show: All [Edit]

Available Products

- Smart Console Option - MVS
- CA ACF2 - MVS
  - 14.0
  - 15.0
- CA ACF2 Option for DB2 - MVS
- CA ADS Alive Option - MVS
- CA ADS Batch Option - MVS

CA ACF2 - MVS

Products > CA > CA ACF2 - MVS

Releases [Refresh]

Select and: Update Catalog Releases [Show All]

Select	Release Name	New HIPERs	New Maintenance	Actions
<input type="checkbox"/>	14.0	0	0	Actions▼
<input type="checkbox"/>	15.0	0	0	Actions▼

Selected 0 of 2.

# Summary

- MSM takes time and effort for the initial installation and configuration, but will more than pay for itself in terms of time saved later on.
- Probably not worth it if you only have a couple of CA products.
- Product is more mature now. MSM installation and usability are much improved over the initial GA release at R2 (plus new features like SDS and SCS).
- Your shop can benefit immediately by migrating existing CSIs into MSM.

# Summary

- Helpful for inexperienced system programmers or those not well versed with SMP/E, but also valuable to the experienced ones as well. You *can* teach an old dog new tricks!
- MSM's development has benefited all CA customers, whether you choose to use MSM or not. SMP/E works the way it was designed to work. No more "BYPASS(ID)" when installing CA maintenance.



# Questions?

