

CA ~~MSM~~ CSM User Experience CA Chorus™ Software Manager

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Session 13037



Our environment

- Two Sysplexes, Prod and Test. Prod is an 8 way and test is a three way.
- DASD and UCATs shared across all systems (yes, this causes a problem for PDSe's)
- We run a lot of ISV's. Top Secret, FDR, Syncsort, etc.
- I consider myself a novice MSM user. Relatively speaking, I've probably done more than most, but still feel rather new at it.

Our environment: Software levels

- z/OS is at 1.13, PUT level is 1210.
- We are in the middle of migrating PUT 1210 through our lpars.
- We put z/os maintenance on bi-monthly, two PUTs back, plus any applicable hipers or special request PTFs.
- We put ISV maintenance on with the IPL schedule in mind, usually one month back.

Our environment: MSM

- MSM, like SMPE, runs only in our SYSPROG LPAR. That LPAR has two shared GP's and a shared ziiip
- LPAR has 10G storage
- We've not had problems with response time:

```
06.52.50 S0056068 ---- WEDNESDAY, 19 DEC 2012 ----
06.52.50 S0056068 IEF695I START MSMTC      WITH JOBNAME MSMTC      IS ASSIGNED
06.52.50 S0056068 $HASP373 MSMTC      STARTED
06.52.50 S0056068 IEF403I MSMTC - STARTED - TIME=06.52.50 - ASID=0121
06.53.12 S0056068 MSM0013I CA CSM STARTUP INITIATED
06.54.00 S0056068 MSM0009I CA CSM STARTUP COMPLETE
```

. . .

```
12.56.01 S0056068 MSM0014I CA CSM SHUTDOWN INITIATED
12.56.39 S0056068 MSM0011I CA CSM HAS TERMINATED SUCCESSFULLY
12.56.42 S0056068 -
12.56.42 S0056068 -STEPNAME PROCSTEP      RC      EXCP      CONN
12.56.42 S0056068 -          CSMSRV        00      257K      18935
12.56.42 S0056068 IEF404I MSMTC - ENDED - TIME=12.56.42
12.56.42 S0056068 -MSMTC      ENDED.      NAME-CA MSM
12.56.42 S0056068 $HASP395 MSMTC      ENDED
```

Our MSM History

- May 2, 2011 - Downloaded and installed MSM 3.1
 - Had a lot of fun installing, setting it up, mainly SAF issues.
 - SAF wounds were self inflicted
- August 16, 2011 - Upgraded to MSM 4.0
- November 14, 2011 - Upgraded to z/OS 1.13
- November 29, 2011 - Installed 48 PTFs
- December 19, 2011 - Downloaded and installed MSM 4.1
- July 11, 2012 - Downloaded and installed MSM 5.0
- July 23, 2012 - Applied approximately 30 PTFs to MSM 5.0
- Dec 19, 2012 – Upgraded to MSM 5.1 beta

MSM 3.1

- Initial install took a few days
 - Security Setup
 - Catalog Aliases
 - WLM classifications
 - AO startup/shutdown
- The CCS guy hadn't installed FMID CETN300, since we weren't using MSM at that time.

MSM 4.0



- Downloaded and installed 8/16/2011 at the request of the Datacom guys. (R14 for them)
- One thing I messed up was unpaxing in my /capack directory rather than in /msmserv/v40/msminstall
- This caused my MSMInstaller, MSMPProduct and MSMSetup to land in the wrong location.
- `cp -r -p /capack/MSMInstaller /msmserv/v40/msminstall`

```
java.io.FileNotFoundException: File
  '/msmserv/v40/msmruntime/tomcat/webapps/MSM/MSMMain.html' does
  not exist
```

```
INFO: Deploying web application archive MSM.war
Aug 16, 2011 11:27:21 AM org.apache.catalina.startup.ContextConfig
  init
SEVERE: Exception fixing docBase for context [/MSM]
Throwable occurred: java.io.IOException: EDC5133I No space left on
  device.
```

```
MSMRUNT was full. Grew the zfs, unmounted, remounted, bounced
  MSMTTC
```



MSM 4.1 Upgrade

- Very smooth! Too smooth, in fact. 😊
- `/msmserv/msminstall/MSMSetup/MSMSetupOptionsFile.properties`
- `PreviousRelease.MSMPATH=/msmserv/v40/msm`
- Specifying the wrong 'PreviousRelease' makes MSM appear to be a few months older than it was before. Maintenance is missing, etc.
 - `/msmserv/msm`
 - `/msmserv/v40/msm`

MSM 5.0



- Release was requested by the Datacom guys, via Level 2.
- Started at 8:00AM, completed at 10:12AM.
- Smooth sailing.
- A few days later, applied 20-some PTFs.
- Missed the MSMDEPLY job somehow
- After I ran it, bounced MSM, got a browser message that my cache didn't match my MSM version, and to clear cache. Did that and all was well.

MSM 5.0 Upgrade – Overview

- Order and download PAX from CA Support
- `pax -rvf 50000068X01.pax.Z`
- `sh MSMSSetup.sh copyOPT /msmserv/v41/msm/`
- Checked `capack/msmserv/v51b/msminstall/MSMSSetup/`
 - `MSMSSetupOptionsFile.properties`
- `MSMSSetup.sh`
- Startup DBMSMUF (Datacom MUF)
- Run MFNEW03
- Startup DBMSSRVR (Datacom Server)
- Startup MSMTC (TomCat Server)
- Logon, and 'Migrate an existing CSI' to bring MSM 5 in.

MSMDEPLY Notes

- /msmserv/V50/msm is the TARGET path
- /msmserv/V50/msmruntime is where MSM actually executes
- This is all set up for you properly in SMPE
- You just have to remember to run the 'deploy' job.
- Maybe there should be holddata for that. 😊
 - 21272477-1: DAR - MSMDEPLY IN HOLDDATA

Where stuff is



- OPTIONS File: (Only used during install, used for copyopt)
- /msmserv/v51b/msm/CEGPHFS/MSMSetupOptionsFile.properties

- BANNER File:
- /msmserv/v51b/msmruntime/tomcat/webapps/MSMBanner.html

UITool



- Used the UITool with MSM 3.1, 4.1, 5.0 and 5.1.
- You download it along with MSM itself
- Like! Or Plus 1 if you're a Google Plus person
- exec 'CAMSM.V51B.UITool(#RUNTOOL)'

USCT DATE: 12/27/2012 CA CSM (r5.1) TIME: 10:17:16

M A I N M E N U

```
OPTION ==> _____  
  
Gather Site values for CSM Option File parms  
 1 Gather Site values for Pre-Filling Installer Option File  
  
Create and Mount paths for CSM installation          ccccc aaaaaa  
 2 zFS Multiple File System JCL or                  cc   cc   a  
 3 zFS Single File System JCL or                    cc           a  
 4 HFS Multiple File System JCL or                  cc   aaaaaa  
 5 HFS Single File System JCL                      cc   aa   a  
                                                    cc   aa   aa  
  D Display Mount File Attributes                   ccccc aaaa a  
  
Edit CSM Installation Options File                  REL UI51  
 6 Using pre-filled site values or                  CCCC SSSS M   M  
 7 Using ISPF Editor                                CC   S   MM  MM  
                                                    CC   SSSS M M M M  
  I CSM Installer Invocation Details                CC           S M M M M  
  H Help      L Log                                  CCCC SSSS M  M  M  
  
Enter = Process                                     PF12 = Exit
```

TIPS

Navigation Tabs

The screenshot shows the CA Chorus Software Manager web application. The browser address bar displays 'usct:22120/MSM/#TabShow/Main/swcatstatus'. The application header includes the CA Technologies logo and the text 'CA Chorus™ Software Manager'. A navigation bar contains tabs for 'Software Status', 'Products', 'SMP/E Environments', 'Deployments', 'Configurations', 'System Registry', 'Tasks', and 'Settings'. The main content area is divided into several sections: 'Product News' (dated December 21, 2012), 'New Maintenance' (with information and warning messages), 'SMP/E Environments' (with information messages), and 'Tasks' (with warning and information messages). A 'Quick Actions' sidebar on the right lists various links for CSM actions and information. The footer contains a copyright notice and an 'About' link. Colored arrows point to specific elements: a pink arrow points to the 'SMP/E Environments' tab, a green arrow points to the 'Settings' tab, a pink arrow points to the user profile 'mam', and a pink arrow points to the 'About' link in the footer.



SMP/E Environments



Firefox | usct:22120/MSM/#Detail/csiCsiMaster/csiIntro

CA Chorus™ Software Manager | mam [status] [help]

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

Search: Search For: [] Search In: SMP/E Environment [] Search

Actions: [Migrate SMP/E Environment](#)

SMP/E Environments

- SMP/E Environments
 - CA Intertest v8.5.0
 - CA Platinum DB2 Tools R15.0
 - CA WEB Administrator for Top Secret
 - CASMP.MSMV50.SMPE.SMPCSI.CSI
 - Datacom CICS Services Version 14 Test
 - Datacom Test
 - Datacom Version 14 Test

SMP/E Environments [Refresh]

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 []

Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	CA Intertest v8.5.0	INTR.CICS.I850SMPE.SMPCSI.CSI	No tags	Actions []
<input type="checkbox"/>	CA Platinum DB2 Tools R15.0	DB2.TEST.PLATINUM.R15.CSI	No tags	Actions []
<input type="checkbox"/>	CA WEB Administrator for Top Secret	CASMP.TSSWEB.R15.CSI	No tags	Actions []
<input type="checkbox"/>	CASMP.MSMV50.SMPE.SMPCSI.CSI	CASMP.MSMV50.SMPE.SMPCSI.CSI	No tags	Actions []
<input type="checkbox"/>	Datacom CICS Services Version 14 Test	CASISMP.DATA		
<input type="checkbox"/>	Datacom Test	CASISMP.DATA		
<input type="checkbox"/>	Datacom Version 14 Test	CASISMP.DATA		

Selected 0 of 7.

Actions menu:

- Add to Working Set
- Change Name
- Edit Tags
- Set Automatic Update
- Update Using Fix Categories
- Upgrade CA RS Level
- Delete SMP/E Environment
- Exception SYSMOD Report
- Remove SMP/E Environment from CA CSM
- Create Deployment

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Tasks Tab

Breadcrumbs/Subtabs



Firefox | usct:22120/MSM/#TabShow/Main/tom-

CA Chorus™ Software Manager | mam

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

Current Tasks > Task History > Audit Task History > Manage History

Current Tasks Refresh

Current date and time is 12/27/2012 10:36:34AM

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

Select and: [Delete Tasks](#) Show All

Select	Owner	Name	Type	Status	Message	Progress	Start Time	Task ID	Actions
<input type="checkbox"/>	MAM	RECEIVE HOLDDATA	FIXCAT Update	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	12/5/2012 12:06:32PM	1197	Delete Task
<input type="checkbox"/>	MAM	Update HOLDDATA	FIXCAT Update	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	12/5/2012 12:06:23PM	1196	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - MVS Program Executor - Output, Package Management - User	System Settings	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	7/19/2012 10:42:02AM	794	Delete Task
<input type="checkbox"/>	MAM	Acquiring CA Mainframe Software Manager - MVS 5.0	Product Acquisition	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	7/17/2012 01:23:02PM	787	Delete Task
<input type="checkbox"/>	MAM	Acquire CA 1 Tape Management - MVS.	Product Acquisition	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	7/11/2012 12:31:48PM	776	Delete Task
<input type="checkbox"/>	MAM	Acquiring CA Mainframe Software Manager - MVS 5.0	Product Acquisition	<input checked="" type="checkbox"/> Succeeded	Succeeded	100 %	7/11/2012 06:31:20AM	764	Delete Task

Selected 0 of 6.

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Tasks Tab – Task History



Help

Firefox usct:22120/MSM/#TabShow/tom-all/tom-finished

CA Chorus™ Software Manager

Navigation Tabs: Software Status, Products, SMP/E Environments, Deployments, Configurations, System Registry, **Tasks**, Settings

Subtabs: **Current Tasks**, Task History, Audit Task History, Manage History

Task History

Current date and time is 12/27/2012 10:51:01AM

Refresh

Show: My tasks (dropdown), All types, All status, Start Time, Stop Time

Select: My tasks (dropdown), All tasks, User tasks

Number of items: 1 - 25 of 33

Select	Owner	Name	Type	Status	Start Time	Stop Time	Task ID	Actions
<input type="checkbox"/>	MAM	Exception SYSMOD Report for CASMP.MSMV50.SMPE.SMPCSI.CSI	Product SMP/E Maint	Succeeded	12/27/2012 10:34:26AM	12/27/2012 10:34:32AM	1278	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - Mount Point Management, Mountpoint Management - Data Set Allocation, Managed Product USS File Systems	System Settings	Succeeded	12/17/2012 06:11:35AM	12/17/2012 06:11:36AM	1259	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - Base Settings, HFS Data sets Parameters, HOLDDATA, CA RS	System Settings	Succeeded	12/17/2012 06:10:58AM	12/17/2012 06:10:59AM	1258	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - Base Settings, HFS Data sets Parameters, HOLDDATA, CA RS	System Settings	Succeeded	12/17/2012 06:09:42AM	12/17/2012 06:09:43AM	1257	Delete Task
<input type="checkbox"/>	MAM	Exception SYSMOD Report for CASMP.CA1V126.SP00.CSI	Product SMP/E Maint	Succeeded	12/5/2012 12:06:54PM	12/5/2012 12:06:59PM	1198	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - Base Settings, HFS Data sets Parameters, HOLDDATA, CA RS	System Settings	Succeeded	12/5/2012 08:54:50AM	12/5/2012 08:54:51AM	1193	Delete Task
<input type="checkbox"/>	MAM	Update HOLDDATA	Product Acquisition	Succeeded	12/5/2012 06:30:26AM	12/5/2012 06:30:27AM	1192	Delete Task
<input type="checkbox"/>	MAM	Acquire Product Knowledge	Product Acquisition	Succeeded	12/5/2012 06:29:10AM	12/5/2012 06:29:24AM	1191	Delete Task
<input type="checkbox"/>	MAM	Receiving Maintenance	Product SMP/E Maint	Succeeded	12/5/2012 06:21:38AM	12/5/2012 06:21:41AM	1190	Delete Task
<input type="checkbox"/>	MAM	Remove of release CA Mainframe Software Manager - MVS / 4.1	Product Catalog	Failed	12/3/2012 02:47:02PM	12/3/2012 02:47:10PM	1160	Delete Task
<input type="checkbox"/>	MAM	Apply Settings - Mount Point Management, Mountpoint						

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Navigation Tabs

Subtabs

Refresh

Number of items



Tasks – Review previous output



Firefox | usct:22120/MSM/#Detail/tom-master-taskTree/tom-commandResults/1270.2178

CA Chorus™ Software Manager mam

Applying maintenance RO53059, TR53483 in zone D... [Close](#)

Installing Maintenance in CSI:CASISMP.DATACOM.T... > Applying maintenance RO53059, TR53483 in zone D...

General [Download Zipped Output](#)

Name: Applying maintenance RO53059, TR53483 in zone DCE0TGT
Status: Succeeded

MessageLog [Actions](#)

MME0251I CA CSM executor finished. CA CSM jobname: MSMTCC .

Explanation

Executing SMP/E APPLY command using GIMSMP to Apply SYSMODs RO53059, TR53483 in zone DCE0TGT

Detailed Output [Show All](#)

Name	Lines	Format	Actions
SMPOUT		33 FBA	Actions
SMRPT		82 FBA	Actions
SYSRPT		810 FBA	<ul style="list-style-type: none"> Download as TXT Download as ZIP Save as Data Set

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Tasks Tab – View SMPRPT sysout



CA Chorus™ Software Manager - Task Steps - SMPRPT - Mozilla Firefox

File Edit View History Bookmarks Tools Help

CA Chorus™ Software Manager mam

Search

Search For:

Search In:

Search all Search

Task Steps

- Installing Maintenance in CSI:CASISMP.DATACOM.TEST.V14.CSI
 - Maintenance pre-installation report
 - Applying maintenance RO53059, TR53483 in zone DCE0TGT
 - SMPDOUT
 - SMPRPT**
 - SYSPRINT
 - messageLog

SMPRPT

Installing Maintenance in CSI:CASISMP.DATACOM.T... > Applying maintenance RO53059, TR53483 in zone D... > SMPRPT

Search: [] Search Page: 1 / 3 >>

1PAGE 0001 - NOW SET TO TARGET ZONE DCE0TGT DATE 12/20/12 TIME 12:38:43 SMP/E 36.15 SMPRPT OUTPUT

APPLY

SELECT (RO53059,TR53483) .

1PAGE 0002 - NOW SET TO TARGET ZONE DCE0TGT DATE 12/20/12 TIME 12:38:45 SMP/E 36.15 SMPRPT OUTPUT

SYSMOD STATUS REPORT FOR APPLY PROCESSING SYSMODS APPLIED - 2

NOTE: '-' INDICATES THE REQUISITE SYSMOD OR HOLD CONDITION IS NOT SATISFIED
 '**' INDICATES THE NON SATISFIED REQUISITE SYSMOD OR HOLD CONDITION IS BYPASSED
 '#' INDICATES THE SUPERSEDING SYSMOD WAS NOT PROCESSED

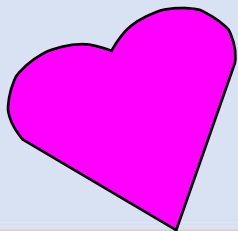
SYSMOD	STATUS	TYPE	FMID	REQUISITE SYSMODS, SUPBY SYSMODS, HOLD REASON-IDS, AND CAUSER SYS
RO53059	APPLIED	PTF	CABDE00	PRE RO31887 RO33933 RO35133 RO36029 RO36631 RO3698 RO37575 RO40587 RO41209 RO44202 RO47505 RO4750 RO47843 RO48009
TR53483	APPLIED	APAR	CABDE00	PRE RO40587 RO47507 RO47843 RO53059

1PAGE 0003 - NOW SET TO TARGET ZONE DCE0TGT DATE 12/20/12 TIME 12:38:45 SMP/E 36.15 SMPRPT OUTPUT

ELEMENT SUMMARY REPORT FOR APPLY PROCESSING

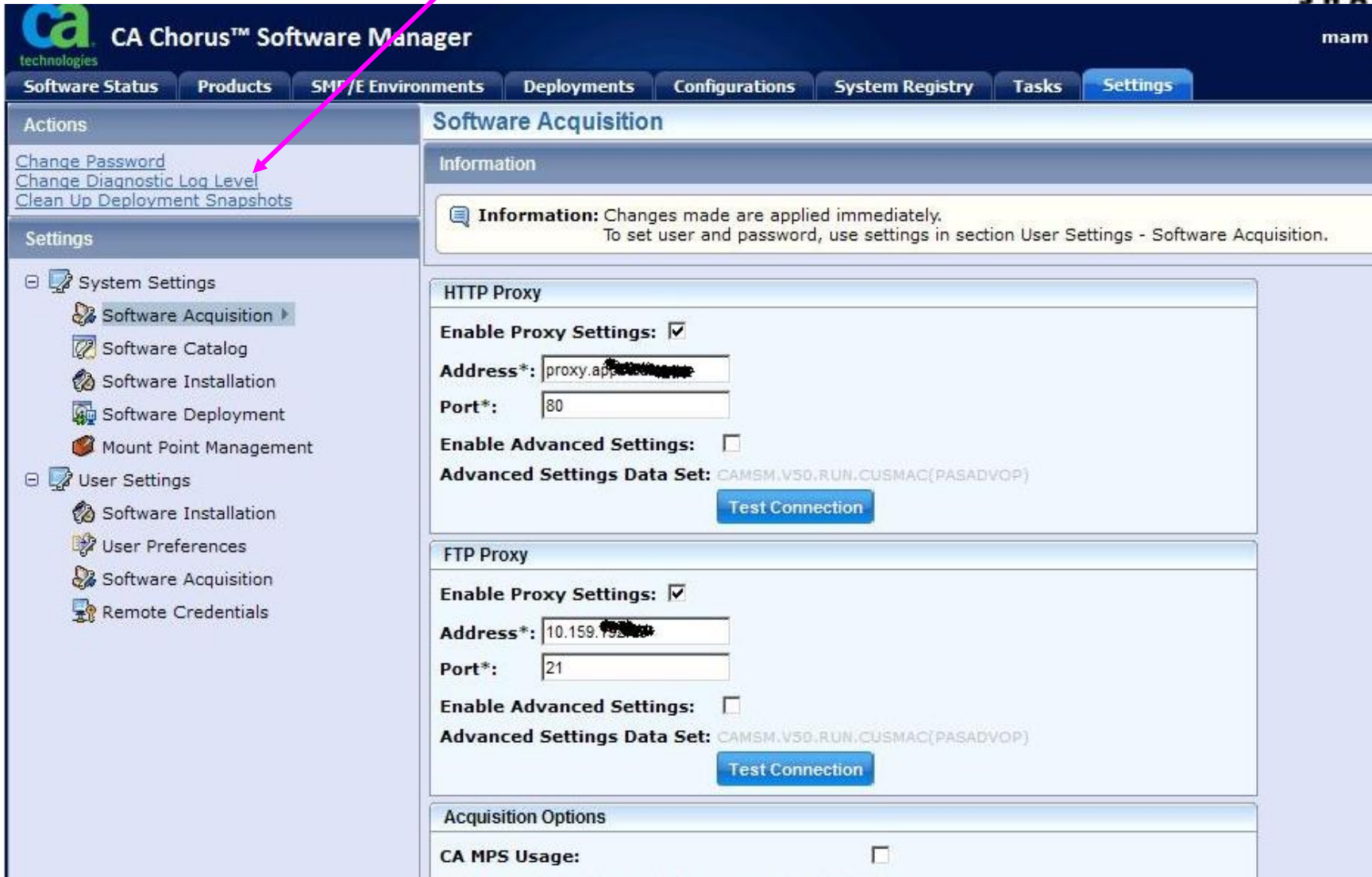
ELEMENT TYPE	ELEMENT NAME	ELEMENT STATUS	CURRENT FMID	CURRENT RMD	DISTLIB LIBRARY	SYSLIB LIBRARY	ASSEM NAMES	LOAD MODULE	IMOD SYSLIB	SYSMOD NAME
MAC	DBSYSID	APPLIED	CABDE00	RO53059	AABDMAC	CABDMAC				RO53059

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I miss green bar paper

Settings Tab



The screenshot shows the CA Chorus™ Software Manager interface. The top navigation bar includes tabs for Software Status, Products, SMP/E Environments, Deployments, Configurations, System Registry, Tasks, and Settings. The Settings tab is active, and a pink arrow points to the 'Change Diagnostic Log Level' link in the Actions section. The main content area is titled 'Software Acquisition' and contains an information message, HTTP Proxy settings, FTP Proxy settings, and Acquisition Options.

CA Chorus™ Software Manager

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

Actions

- [Change Password](#)
- [Change Diagnostic Log Level](#)
- [Clean Up Deployment Snapshots](#)

Settings

- System Settings
 - Software Acquisition**
 - Software Catalog
 - Software Installation
 - Software Deployment
 - Mount Point Management
- User Settings
 - Software Installation
 - User Preferences
 - Software Acquisition
 - Remote Credentials

Software Acquisition

Information

Information: Changes made are applied immediately.
To set user and password, use settings in section User Settings - Software Acquisition.

HTTP Proxy

Enable Proxy Settings:

Address*: proxy.ap[REDACTED]

Port*: 80

Enable Advanced Settings:

Advanced Settings Data Set: CAMSM.V50.RUN.CUSMAC(PASADVOP)

Test Connection

FTP Proxy

Enable Proxy Settings:

Address*: 10.159.195[REDACTED]

Port*: 21

Enable Advanced Settings:


Advanced Settings Data Set: CAMSM.V50.RUN.CUSMAC(PASADVOP)

Test Connection

Acquisition Options

CA MPS Usage:

Settings – Remote Credentials


CA Chorus™ Software Manager
mam

- Software Installation
- User Preferences
- Software Acquisition
- Remote Credentials

[Test Connection](#)

FTP Proxy

Enable Proxy Settings:

Address*:

Port*:

Enable Advanced Settings:

Advanced Settings Data Set: CAMSM.V50.RUN.CUSMAC(PASADVOP)

[Test Connection](#)

Acquisition Options

CA MPS Usage:

Ignore Common Products During Discovery:

Use HTTP for Downloads:

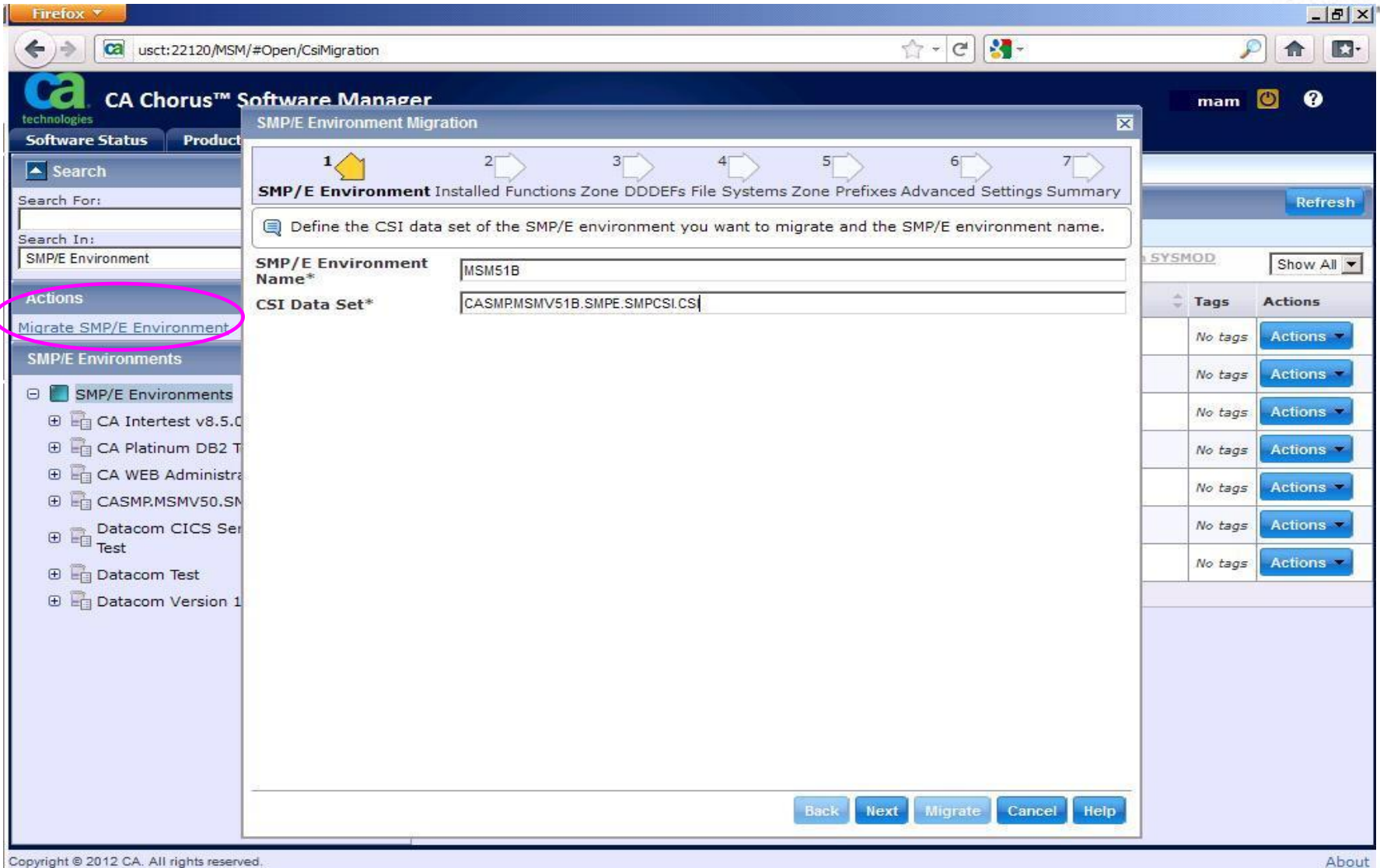
CA Support Online Accounts

Login Information

[New](#)

Support Online User ID	Owner	Actions
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
mary.a.matyaz@[REDACTED]	[REDACTED]	Not available
mary.a.matyaz@[REDACTED]	MAM	Actions ▼
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available
[REDACTED]	[REDACTED]	Not available

Migrate a CSI



Firefox usct:22120/MSM/#Open/CsiMigration

CA Chorus™ Software Manager

mam

SMP/E Environment Migration

1 2 3 4 5 6 7

SMP/E Environment Installed Functions Zone DDDEFs File Systems Zone Prefixes Advanced Settings Summary

Define the CSI data set of the SMP/E environment you want to migrate and the SMP/E environment name.

SMP/E Environment Name* MSM51B

CSI Data Set* CASMRMSMV51B.SMPE.SMPCSI.CS

Back Next Migrate Cancel Help

Search

Search For:

Search In:

SMP/E Environment

Actions

Migrate SMP/E Environment

SMP/E Environments

- SMP/E Environments
 - CA Interest v8.5.0
 - CA Platinum DB2 T
 - CA WEB Administr
 - CASMP.MSMV50.SM
 - Datacom CICS Ser
 - Datacom Test
 - Datacom Version 1

Tags	Actions
No tags	Actions
No tags	Actions
No tags	Actions
No tags	Actions
No tags	Actions
No tags	Actions
No tags	Actions

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About

Migrate a CSI - Summary

Firefox | usct:22120/MSM/#WizardPage/Wizard/6/0

CA Chorus™ technologies

SMP/E Environment Migration

1 2 3 4 5 6 7

SMP/E Environment Installed Functions Zone DDDEFs File Systems Zone Prefixes Advanced Settings **Summary**

This step lets you review the SMP/E environment migration settings you have specified before starting the migration. To start the migration, click Migrate.

CSI

SMP/E Environment Name MSM51B
 CSI Data Set CASMP.MSMV51B.SMPE.SMPCSI.CSI
 CSI Prefix CASMP.MSMV51B.SMPE

Add SMP/E Environment to Working Set

Zones

Zones

Data Set CASMP.MSMV51B.SMPE.SMPCSI.CSI
 Exists
 Name CAID
 Type Distribution
 Prefix CASMP.MSMV51B

File Systems

<input type="checkbox"/> Name	Type	Path	DDDEFs
<input type="checkbox"/> OMVS.SYSR21.JAVA64M1	ZFS	/usr/lpp/java/J6.0.1_64/	SMPJHOME (Zone: CAID) SMPJHOME (Zone: CAIT) SMPJHOME (Zone: GLOBAL)
<input type="checkbox"/>		/msmserv/v51b/msm/CEGPJAR/	CEGPJAR (Zone: CAIT)

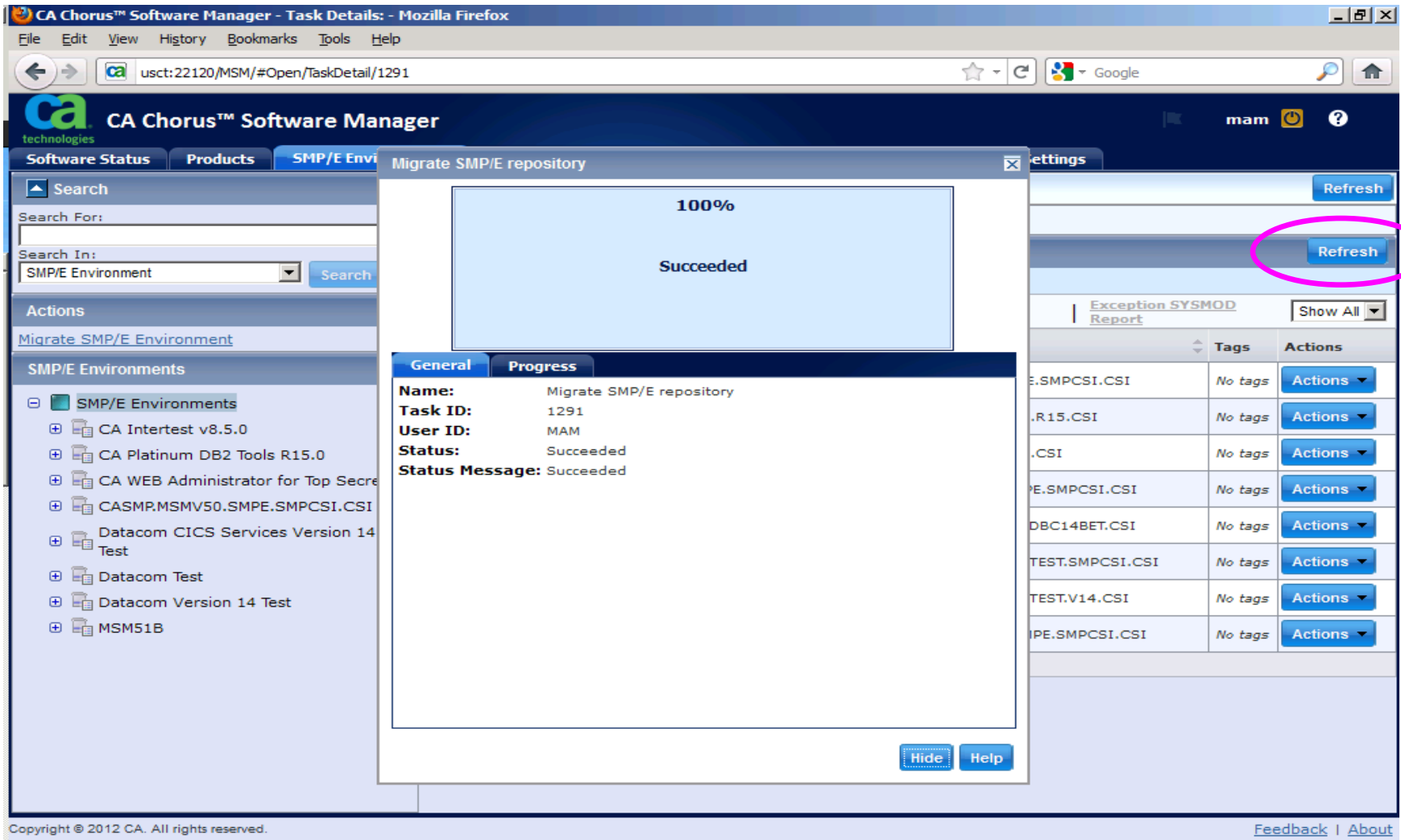
Show UCLIN

Back Next Migrate Cancel Help

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About

Migrate - Succeeded



The screenshot shows the CA Chorus Software Manager interface in Mozilla Firefox. A modal window titled "Migrate SMP/E repository" is open, displaying a progress bar at 100% and the status "Succeeded". Below the progress bar, the task details are shown:

General	Progress
Name:	Migrate SMP/E repository
Task ID:	1291
User ID:	MAM
Status:	Succeeded
Status Message:	Succeeded

At the bottom of the modal window are "Hide" and "Help" buttons. In the background, the main interface shows a search bar, a list of SMP/E Environments, and a table of environments. A "Refresh" button in the table is circled in pink.

Tags	Actions
E.SMPCSI.CSI	No tags Actions
.R15.CSI	No tags Actions
.CSI	No tags Actions
PE.SMPCSI.CSI	No tags Actions
DBC14BET.CSI	No tags Actions
TEST.SMPCSI.CSI	No tags Actions
TEST.V14.CSI	No tags Actions
IPE.SMPCSI.CSI	No tags Actions

Let's apply some service ...



Firefox | usct:22120/MSM/#Detail/csiCsiMaster/csiIntro

CA Chorus™ Software Manager

mam

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

Search

Search For: []

Search In: SMP/E Environment [Search]

Actions

Migrate SMP/E Environment

SMP/E Environments

- SMP/E Environments
 - CA Interest v8.5.0
 - CA Platinum DB2 Tools R15.0
 - CA WEB Administrator for Top Secret
 - CASMP.MSMV50.SMPE.SMPCSI.CSI
 - Datacom CICS Services Version 14 Test
 - Datacom Test
 - Datacom Version 14 Test
 - MSM51B

SMP/E Environments

List of SMP/E environments has changed.

Show: All tags [] Show Working Set Only

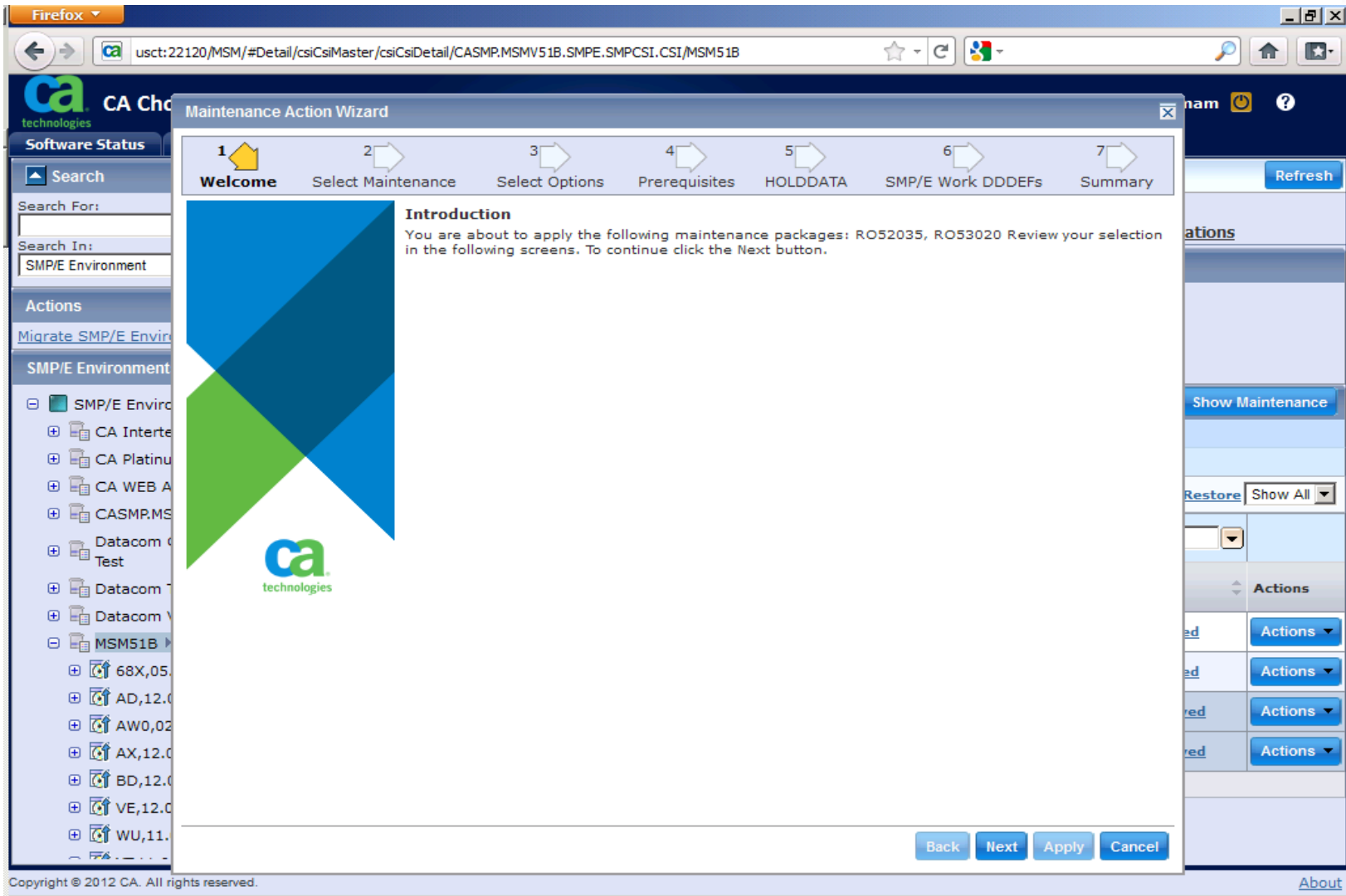
Select	Name	Data Set	Tags	Actions
<input type="checkbox"/>	CA Interest v8.5.0	INTRCICS.I85		
<input type="checkbox"/>	CA Platinum DB2 Tools R15.0	DB2.TEST.PLA		
<input type="checkbox"/>	CA WEB Administrator for Top Secret	CASMP.TSSWE		
<input type="checkbox"/>	CASMP.MSMV50.SMPE.SMPCSI.CSI	CASMP.MSMV5		
<input type="checkbox"/>	Datacom CICS Services Version 14 Test	CASISMP.DATA		
<input type="checkbox"/>	Datacom Test	CASISMP.DATA		
<input type="checkbox"/>	Datacom Version 14 Test	CASISMP.DATA		
<input checked="" type="checkbox"/>	MSM51B	CASMP.MSMV51B.SMPE.SMPCSI.CSI	No tags	Actions

Selected 1 of 8.

- Remove from Working Set
- Change Name
- Edit Tags
- Set Automatic Update
- Update Using Fix Categories
- Upgrade CA RS Level
- Delete SMP/E Environment
- Exception SYSMOD Report
- Remove SMP/E Environment from CA CSM
- Create Deployment

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Applying Service Wizard



The screenshot shows a Firefox browser window displaying the 'Maintenance Action Wizard' application. The browser's address bar shows the URL: `usct:22120/MSM/#Detail/csiCsiMaster/csiCsiDetail/CASMP.MSMV51B.SMPE.SMPCSI.CSI/MSM51B`. The application interface includes a navigation pane on the left with a search bar and a tree view of system components. The main content area displays the 'Welcome' step of the wizard, which includes a progress bar with seven steps: 1. Welcome, 2. Select Maintenance, 3. Select Options, 4. Prerequisites, 5. HOLDDATA, 6. SMP/E Work DDDEFs, and 7. Summary. The 'Introduction' text reads: 'You are about to apply the following maintenance packages: RO52035, RO53020 Review your selection in the following screens. To continue click the Next button.' At the bottom of the wizard window are buttons for 'Back', 'Next', 'Apply', and 'Cancel'. The background application shows a sidebar with 'SMP/E Environment' expanded, listing various components like 'CA Inter...', 'CA Platinu...', 'CA WEB A...', 'CASMP.MS...', 'Datacom C...', 'Datacom T...', 'Datacom V...', and 'MSM51B'. The 'MSM51B' folder is expanded, showing sub-items like '68X,05...', 'AD,12.0...', 'AW0,02...', 'AX,12.0...', 'BD,12.0...', 'VE,12.0...', and 'WU,11...'. The bottom of the browser window shows a copyright notice: 'Copyright © 2012 CA. All rights reserved.' and an 'About' link.

Applying Service – Select PTFs



Firefox | usct:22120/MSM/#WizardPage/Wizard/1/0

Maintenance Action Wizard

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

Select maintenance packages to be applied.
You cannot apply disabled maintenance packages.

Maintenance					Select Zones
<input type="checkbox"/> Select	Name	Description	Status	Zones	Show All
<input checked="" type="checkbox"/>	RO52035	CHORUS SOFTWARE MANAGER (MSM) BETA PTF 1	Received	CAIT	
<input checked="" type="checkbox"/>	RO53020	CA CHORUS SOFTWARE MANAGER (CA CSM) BETA REFRESH PTF	Received	CAIT	

Selected 2 of 2.

Back Next Apply Cancel

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Applying Service – Apply Check



Firefox

usct:22120/MSM/#WizardPage/Wizard/2/0

Maintenance Action Wizard

1 Welcome 2 Select Maintenance **3 Select Options** 4 Prerequisites 5 HOLDDATA 6 SMP/E Work DDEFS 7 Summary

Installation options

Perform APPLY CHECK on selected maintenance items.

Select Installation Mode

APPLY
 APPLY CHECK and APPLY
 APPLY CHECK

Back Next Apply Cancel

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Applying Service



Firefox

usct:22120/MSM/#WizardPage/Wizard/6/0

CA Technologies

Maintenance Action Wizard

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

Summary

SYSMODs that cannot be APPLIED because they are SUPERSEDED or have ERRORHOLDATA
None.

Selected Maintenance Packages
RO52035 - CHORUS SOFTWARE MANAGER (MSM) BETA PTF 1 - SELECTED ZONE: CAIT
RO53020 - CA CHORUS SOFTWARE MANAGER (CA CSM) BETA REFRESH PTF - SELECTED ZONE: CAIT

Installation options
Selected installation options:
Perform APPLY CHECK on selected maintenance items.

Prerequisites
Prerequisites: No prerequisite needs to be confirmed.

HOLDDATA
No HOLDDATA needs to be reviewed.

SMP/E Work DDDEFs
There are no SMP/E Work DDDEFs to override.

Back Next Apply Cancel

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Applying Service



Firefox | usct:22120/MSM/#Open/TaskDetail/1281

CA Chorus™ Software Manager | mam

Software Status | Products | **SMP/E Environments** | Deployments | Configurations | Custom Registers | Tools | Settings

Search | Search For: | Search In: SMP/E Environment | Search

Actions | Migrate SMP/E Environment

SMP/E Environments

- SMP/E Environments
 - CA Interstest v8.5.0
 - CA Platinum DB2 Tools R15.0
 - CA WEB Administrator for Top Secret
 - CASMP.MSMV50.SMPE.SMPCSI.CSI
 - Datacom CICS Services Version 14 Test
 - Datacom Test
 - Datacom Version 14 Test
 - MSM51B
 - 68X,05.01.00
 - AD,12.00.00
 - AW0,02.00.00
 - AX,12.00.00
 - BD,12.00.00
 - VE,12.00.00
 - WU,11.00.00

Task Details:

50%

Applying maintenance R053020 in CHECK mode in zone CAIT - Waiting for GIMSMP

General | **Progress**

Name: Applying Maintenance in CSI: CASMP.MSMV51B.SMPE.SMPCSI.CSI
Task ID: 1281
User ID: MAM
Status: Executing
Status Message: Applying maintenance R053020 in CHECK mode in zone CAIT - Waiting for GIMSMP

Hide | Help

Refresh

Pending Installations

Show Maintenance

PEXTEND | Reject | Restore | Show All

Function	Status	Actions
CADC000	Applied	Actions
CVEC000	Applied	Actions
CEGP510	Received	Actions
CEGP510	Received	Actions

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Applying Service – Summary of Apply



Firefox usct:22120/MSM/#WizardPage/Wizard/6/0

Maintenance Action Wizard

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

Summary

SYSMODs that cannot be APPLIED because they are SUPERSEDED or have ERRORHOLDATA
None.

Selected Maintenance Packages
RO52035 - CHORUS SOFTWARE MANAGER (MSM) BETA PTF 1 - SELECTED ZONE: CAIT
RO53020 - CA CHORUS SOFTWARE MANAGER (CA CSM) BETA REFRESH PTF - SELECTED ZONE: CAIT

Installation options
Selected installation options:
Perform APPLY on selected maintenance items.

Prerequisites
Prerequisites: No prerequisite needs to be confirmed.

HOLDDATA
No HOLDDATA needs to be reviewed.

SMP/E Work DDDEFs
There are no SMP/E Work DDDEFs to override.

Back Next Apply Cancel

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Fear not, Grasshopper

- Your SMP/E CSI and all its datasets are still where they were
- You can still access them via the SMP/E ISPF Panels
- You can still Receive, apply, and accept in batch
- The only thing you really **shouldn't** do outside of MSM is delete the CSI. And FYI, when you delete a CSI **in** MSM, he will go to each of the DDDEF datasets and delete those too!

SMP/E Panels



```
USCT          CSI CROSS-ZONE QUERY - ENTRY SELECTION
===>
```

```
Entry Type:   SYSMOD
Entry Name:   R053020
```

To return to the previous panel, enter END .

To select an entry from a zone, enter S next to the zone.

- * - Entry not found in zone.
- ** - Zone could not be allocated or is not initialized.

ZONE	TYPE	FMID	Status	DATE	TIME	REWORK
CAID	*					
CAIT	PTF	CEGP510	APP	12.362	14:38:21	
GLOBAL	PTF		REC	12.362	14:31:18	

```
***** Bottom of data *****
```

SMPPTS contents

```

  Menu  Functions  Confirm  Utilities  Help
-----
USCT    BROWSE    CASMP.MSMV51B.SMPE.SMPPTS
Command ==>

      Name      Prompt      Size      Created
-----
      R049964
      R050501
      R050604
      R052035
      R053020
      TR39075
      **End**

```

Tips...All those zFS's...



```
//STEP05A EXEC PGM=DBSQLPR,
//      PARM='PRTWIDTH=1500,INPUTWIDTH=72'
//STEPLIB DD DSN=CAMSM.V50.RUN.CUSLIB,DISP=SHR
//      DD DSN=CAMSM.V50.RUN.CAAXLOAD,DISP=SHR
//CXX     DD DSN=CAMSM.V50.RUN.CXX,DISP=SHR
//SYSUDUMP DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//STDERR  DD SYSOUT=*
//STDOUT  DD SYSOUT=*
//OPTIONS DD *
AUTHID=CASWMTG
/*
//SYSIN   DD *
SELECT * FROM MOUNTPPOINT;
/*
MOUNTPPOINTID,      <8>,                INT NOT NULL
MP_PATH,            < /msmserv/mpm/scroot/DatabaseM/CA/MAINTENANCE>, VARC
MP_DATASET,         < OMVS.CAMSM.MSMT5>,   VARCHAR(16/45)
MP_TYPE,            <*> (NULL),          VARCHAR(20)
MP_OPTIONS,         < ZFS>,                VARCHAR(3/2000)

MOUNTPPOINTID,      <9>,                INT NOT NULL
MP_PATH,            < /msmserv/mpm/scroot/DatabaseM/CA/MAINTENANCE/descri
MP_DATASET,         < OMVS.CAMSM.MSMT6>,   VARCHAR(16/45)
MP_TYPE,            <*> (NULL),          VARCHAR(20)
MP_OPTIONS,         < ZFS>,                VARCHAR(3/2000)

MOUNTPPOINTID,      <10>,               INT NOT NULL
MP_PATH,            < /msmserv/mpm/scroot/DatabaseM/CA/MAINTENANCE/CA_1_T
40)
MP_DATASET,         < OMVS.CAMSM.MSMT7>,   VARCHAR(16/45)
MP_TYPE,            <*> (NULL),          VARCHAR(20)
MP_OPTIONS,         < ZFS>,                VARCHAR(3/2000)
```

Stupid things I did along the way...

- I lost my notice and consent banner. ☹ It lives in:
`/msmserv/v50/msmruntime/tomcat/webapps/MSMBanner.html`
 - Make a copy (I did have a copy, just had to find it)
- Got an error in MSM when I had the CSI in use in SMPE in TSO.
- S047 in MSMTTC because it used a steplib and SIOELNKE wasn't explicitly ap'ed. This created a bunch of MSMTnn zfs's that didn't get IOEAGFMT'ed. Ugly.
- Missed the MSMDEPLY (Deploy) job after applying maintenance.
- Accidentally got CAMSM SAF security turned on, without actually putting the definitions in.
 - We rely on dataset security at this point

Current status

- I use it for my products (acquisition and maintenance)
- I've imported SMPE zones in, and used it for new products
- Another sysprog, who does most of the CA products, is reluctant, but willing to try.
- The Datacom guys love it:
 - It's just so much quicker!
 - It uses CA-Datacom databases!
- We're not using Deployment or Configuration yet. We have a fairly robust and well-loved deployment process. I'm picking my battles.
- DB2 is using it (They heard the datacom guys talking about it)
- CICS is using it for their Intertest product

Overall Pro's and Con's

- PRO'S:
 - Everything is in one place. Someone else can come in and pick it right up.
 - Love the ability to manipulate the holddata, smp/e output, etc.
 - I CAN put PTFS on and take them off in 45 seconds. No looking for JCL, changing the APPLY statement...etc. No uploading fixes, oops I forgot bin, finding ftp jcl, etc.
- CON'S:
 - Adoption by the other sysprogs is slow.
 - Adjusting to the terminology

Room for improvement:

- I use different TSO ID's. I'd like to have two TSO ID's use the same CA support ID. **FIXED in 5.1!**
- I'd like to be able to adjust the navbar and columns a bit.
- Cancelling (rather than hiding) a task
- I'd like to be able to hide the news.

Room for Improvement

- Strange field lengths in User Settings:
 - GIMUNZIP Temporary Prefix; we wanted DATACOM.R14BETA, we could only get R14BET.
 - However, volser field is plenty long, but gives 1-6 error msg.

Settings

- System Settings
 - Software Acquisition
 - Software Catalog
 - Software Installation
 - Software Deployment
 - Mount Point Management
- User Settings
 - Software Installation ▶
 - User Preferences
 - Software Acquisition
 - Remote Credentials

Information: Changes made are applied immediately.

MVS Program Executor - Output

Temporary Data Set Prefix: 123456789ABCDEFGH

Use SMS Use VOLSER & Unit

Storage Class: VOLSER: 123456789ABCDEFGHI

Unit:

Package Management

GIMUNZIP Temporary Prefix: 123456789ABCDE

GIMUNZIP Temporary VOLSER: 123456789ABCDEFGH

User Unpax Temporary Directory:

Apply

Conclusions:

- Well worth the effort to get it going.
- You could have colored me skeptical initially.
- I am now a fan.
- And I haven't even tried deploy and config yet!
- From a 25 year systems programmer who still prefers MVSCP to HCD...give it a try!

Some of my MSM Emails...



- The r14 'mass PTF install' went very well, Mary Anne. Pointed the 'external dataset' at a member with 21 PTFs of which 4 were installed, and one other was on as an APAR. You remember that I was concerned that MSM might try to re-apply those 4, and cause an error. Well, when it displayed the contents of the member, it listed all 21 PTFs as separate line items, correctly annotating those 4 that were already installed. When I hit 'SELECT', it automatically selected just the 17 new ones (including the one replacing the APAR), so there was no question of trying to reinstall a fix. After that it was a regular MSM install.
- Summer, just wanted to let you know that I brought z/OS 1.13 up today and checked MSM...it came up, no intervention, no configs, nothing. Just comes right up beautifully. Great job!
- I used your advice, and played with selecting the CAS RS level on the PTFs. I also played with the UPGRADE CAS RS LEVEL from the SMPE/Information level (before maintenance). That actually was quite easy to use.
So, I think that I've played with all avenues of applying maintenance.

20586681-1: ENHANCEMENT REQUEST



20586681-1 10/17/11

We'd like an enhancement to MSM that allows us to specify NORWSHARE on the zfs mounts for the MSMTnn files. Since MSM takes care of the mounting/unmounting of these files, we are unable to specify this attribute. We only run MSM in one LPAR. Defaulting to RWSHARE can cause unnecessary overhead.

12/27/11 Accepted and is currently targeted for implementation in a future release.

21272477-1 01/24/13 MSMDEPLY IN HOLDDATA

21272467-1 01/24/13 ALLOW UNCHECKING OF DDDEF

21247841-2 01/10/13 Allow REJECT(APPLYCHECK)

Education

- https://support.ca.com/irj/portal/anonymous/phpdocs?filePath=0/8319/8319_videoindex.html
- Give the link above to other sysprogs (or in my case, the Datacom and CICS guys).
- How to search for PTFs. :
- https://support.ca.com/phpdocs/7/8319/videos/MSM_Search%20KD_demo/MSM_Search%20KD_html_demo/TEC511364.html (% is a blank)
- How to find jobs that you have run through MSM:
- https://support.ca.com/phpdocs/7/8319/videos/MSM_Task/HTML_Demo/TEC527579.htm

Questions?

