

CA Recommended Service, FIXCAT Exploitation, and Other Enhancements to CA Service Delivery

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Session Number 13041

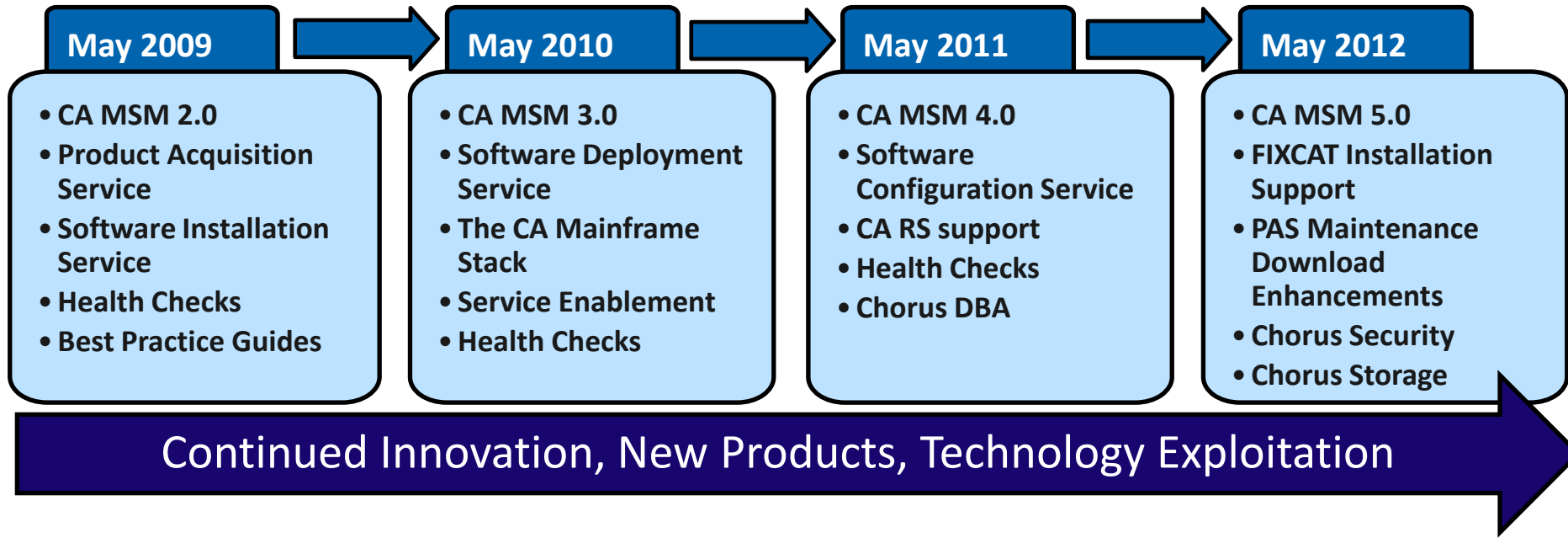


CA Technologies recently introduced CA Recommended Service (CA RS) for most of its z/OS products. CA RS provides preventive service in a consistent and more granular way than the product-specific service packs it has replaced. CA RS is built upon results from CA's Integrated System Test (IST) environment where PTFs are tested with other CA products and various releases of z/OS and major subsystems. In addition FIXCAT holds are now provided to automate the installation of product maintenance needed to support new z/OS releases and new hardware. In this session, the speaker will review the new service deliverables and will explain how you can use them to effectively maintain your CA products.

Agenda

- Next-Generation Mainframe Management and CA Mainframe Software Manager™ (CA MSM)
- The CA Mainframe Stack
- Quality and Service Improvements
 - Goals and Overview
 - Integrated System Test
 - CA Recommended Service (CA RS)
 - FIXCAT Exploitation
- Summary - What's YOUR Preventive Maintenance Philosophy?

CA's Next-Generation Mainframe Management Review of New Functions Delivered



Focus on mainframe simplification via:

- CA Mainframe Software Manager™ (CA MSM)
- CA Mainframe Chorus™
- Health Checks for the IBM Health Checker for z/OS
- **Service Improvements (CA RS, FIXCAT, etc.)**

CA Mainframe Software Manager™ (CA MSM)

```
TPX
QW53270  Edit  View  Options  Tools  Help

COMMAND GENERATION SELECTION MENU

===>

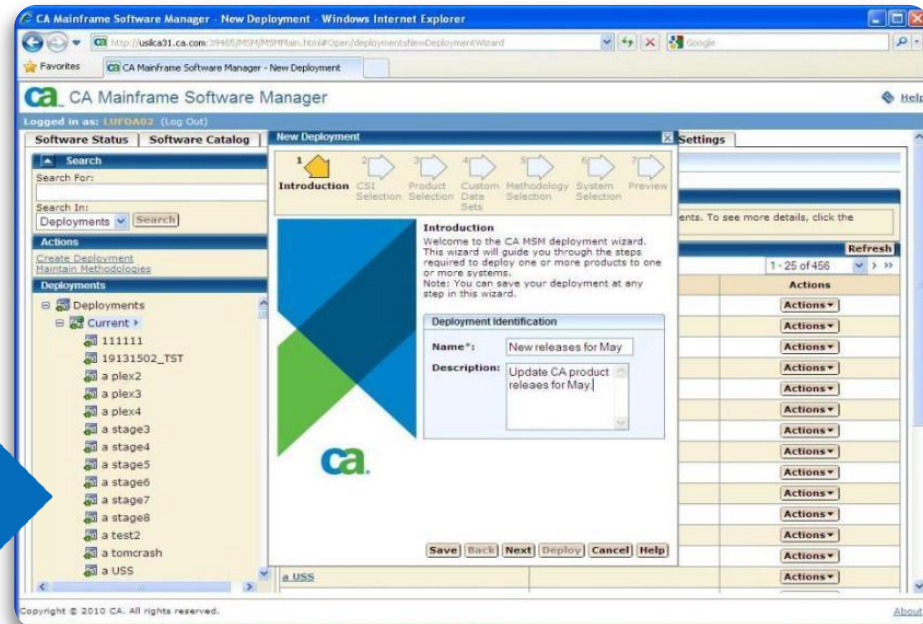
Select one of the following:
10 RECEIVE      20 RESETRC      30 LIST BACKUP  40 ZONECOPY
11 APPLY        21 JCLIN        31 LIST LOG    41 ZONEEDIT
12 ACCEPT       22 UCLIN        32 LIST        42 ZONEDELETE
13 REJECT       23 CLEANUP      33 UNLOAD      43 ZONEEXPORT
14 RESTORE      24 GENERATE     34 REPORT      44 ZONEIMPORT
15 LINK         25 LOG          35 BUILDMCS    45 ZONEMERGE
                26 UPGRADE     46 ZONERENAME
                47 GZONEMERGE

Enter or verify the following:
ZONE NAME       ===> (required)
OPTIONS NAME    ===> (OPTIONS name or blank)
SMP/E PROCESS PARAMETER ===> WAIT WAIT or END

To return to the SMP/E primary option menu enter the END command

5694-A01 5655-G44 COPYRIGHT IBM CORP 1982, 2008

Connected to TPI port 23          Docw 2/7      MJM      08:39:35 IBM-3279-2 - AS57396
```



- Download, install, deploy, and configure products from a Web-based UI
- Dramatically simplifies software management activities
- Significantly reduces installation times

What does CA MSM do?

- Downloads software products and service from CA Support Online (CSO)
 - Eliminates manual searches/downloads on CSO
- Installs products into new or existing CSIs
- Evaluates and installs maintenance into CSIs
 - Corrective fixes
 - CA Recommended Service
 - FIXCAT categories
- Installs “External Maintenance” and “External Packages”
- Migrates preexisting CSIs into CA MSM
- Deploys product target libraries to local or external systems
- Configures deployed products for production use
- Saves time!...



CA MSM time savings with product installation

Product	Mainframe Expert Install			Mainframe Novice Install		
	Traditional	With CA MSM	Improvement	Traditional	With CA MSM	Improvement
CA 1® Tape Management	36 min	9 min	4X	3 hrs 12 min	14 min	14X
CA Auditor for z/OS	26 min	7 min	4X	2 hrs 22 min	8 min	18X
CA Datacom®	1hr 14 min	6 min	12X	3 hrs 8 min	10 min	19X
CA JARS® Resource Accounting	37 min	5 min	7X	1 hr 11 min	6 min	12X
CA Librarian®	28 min	2 min	14X	1 hr 13 min	6 min	12X
CA MIM™ Resource Sharing	30 min	5 min	6X	1 hr 31 min	5 min	18X
CA OPS/MVS® Event Management and Automation	36 min	6 min	6X	1 hr 50 min	7 min	16X
CA Panvalet®	54 min	3 min	18X	1 hr 11 min	5 min	14X
CA SMF Director	40 min	5 min	8X	1 hr 10 min	6 min	12X
CA SymDump® for CICS	38 min	3 min	12X	4 hrs 3 min	6 min	40X
TOTAL	6 hrs 39 min	51 min	8X	20 hrs 51 min	73 min	17X

93% productivity gain

Source: CA Technologies Lab Results

CA MSM time savings with applying maintenance

Product	# Fixes	Mainframe Expert Install			Mainframe Novice Install		
		Traditional	With CA MSM	Improvement	Traditional	With CA MSM	Improvement
CA Auditor for z/OS	14	23 min	1 min 22 sec	17X	41 min	1 min 30 sec	27X
CA Cleanup for CA ACF2™	1	6 min	38 sec	10X	33 min	1 min 13 sec	27X
CA Easytrieve®	9	24 min	1 min 24 sec	17X	60 min	1 min 59 sec	31X
CA Endeavor® Software Change Manager	19	32 min	5 min 5 sec	7X	46 min	10 min 2 sec	5X
CA Librarian®	15	45 min	1 min 58 sec	23X	38 min	2 min 55 sec	13X
CA Panvalet®	12	27 min	1 min 39 sec	17X	62 min	2 min 25 sec	26X
CA View®	4	32 min	1 min 48 sec	18X	37 min	1 min 39 sec	22X
TOTALS		3 hrs 9 min	14 min	14X	5 hrs 17 min	22 min	15X

93% productivity gain

Source: CA Technologies Lab Results

Getting Started – the CA MSM Resource Center

CA Support Online

agility made possible™
ca technologies
CA Support Online

+ products + communities & insights + services, support & education + partners + contact

Support > Support By Product

- Support
- Home
- Advanced Search
- Support By Product
- Download Center
- Documentation
- Licensing
- CA Tech Insider Subscriptions
- Compatibilities
- Contact and Resources
- CA Programs

CA Mainframe Software Manager Resource Center

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

Presentations

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

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

What's New with CA Mainframe Software Manager Update v4.1
For the full text of this document, [Click here](#)

Into The Future: CA Mainframe Software Manager Roadmap
For the full text of this document, [Click here](#)

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

Road to Improved Quality and Service
For the full text of this document, [Click here](#)

Video Tutorials

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

Print

FAQs

Presentations

Video Tutorials

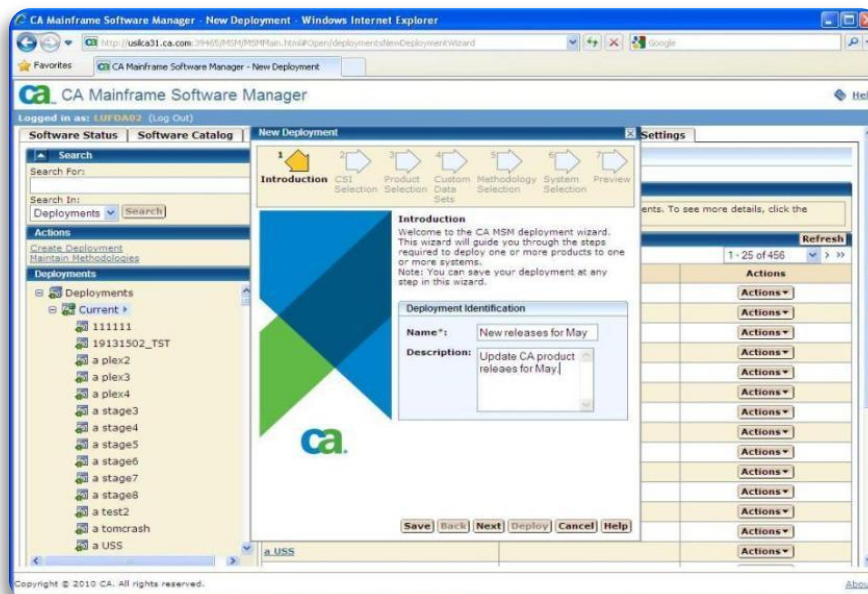
Available at CA Support Online

CA MSM Lab – Later Today!

CA Mainframe Software Manager V5 Hands-on Lab

Thursday, February 7, 2013: 12:15 PM-1:15 PM

Union Square 23-24, Fourth Floor

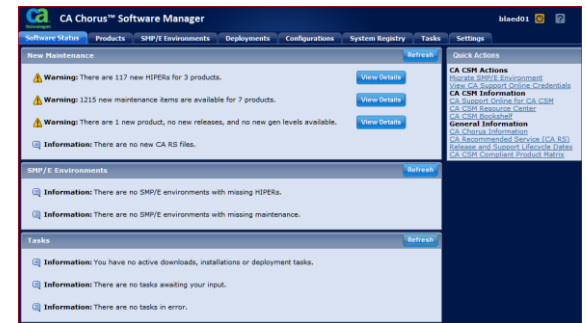


Get hands-on experience with using CA MSM to install products!

Announcing CA Chorus™ Software Manager (CA CSM) 5.1 Generally Available February 3, 2013

New

- Enhanced CA MSM functionality with a Chorus look-and-feel
 - Task Output Management wizard
 - FIXCAT offline mode
 - Space Manager to manage temporary space
 - Java 7 support
 - HTTPS support for maintenance, CA RS and HOLDDATA
 - Product hiding and displaying in the Product Tree
 - Prerequisite resolution during product installation
 - CA Support Online ID multiple user support
 - Prerequisite validator and installation enhancements
- Still free of charge to licensees of any CA product for z/OS



See session 13037: *CA Mainframe Software Manager: User Experiences and V5.1 Update*

The CA Mainframe Stack

- The CA Mainframe Stack is the set of CA products that have adopted key Next-Generation Mainframe Management initiatives
 - Are packaged in SMP/E using common standards
 - Are installable, deployable, and configurable using CA CSM/MSM
 - Have provided health checks (where appropriate)
 - Have undergone additional interoperability testing with other CA products and supported z/OS releases and major IBM subsystems
 - Deliver maintenance via CA Recommended Service

2010

Mainframe Stack included:

- ✓ 49 product families
- ✓ 160 FMIDs

2011

Mainframe Stack included:

- ✓ 57 product families
- ✓ 360 FMIDs

2012

Mainframe Stack includes:

- ✓ 75 product families
- ✓ 450 FMIDs

CA Mainframe Stack product families

CA 1® Tape Management
CA ACF2™ Option for DB2
CA ACF2™
CA Aion® Business Rules Expert
CA Allocate™ DASD Space and Placement
CA Auditor for z/OS
CA Cleanup for CA ACF2
CA Cleanup for RACF
CA Cleanup for CA Top Secret
CA CMDDB Connector for z/OS
CA Common Services
CA Compliance Manager for z/OS
CA Copycat Utility
CA Datacom®/DB
CA DB2 for z/OS Tools
CA Deliver™
CA Disk™ Backup and Restore
CA Dispatch™
CA Easytrieve®
CA Endeavor® Software Change Manager
CA File Master™ Plus
CA File Master™ Plus for IMS

CA Gen Encyclopedia Server / Implementation Toolset
CA IMS for z/OS Tools
CA InterTest™ Batch
CA InterTest™ for CICS
CA JARS® Resource Accounting
CA JCLCheck™ Workload Automation
CA Librarian®
CA MIM™ Resource Sharing
CA NetMaster® Network Management for TCP/IP
CA NetMaster® Network Management for SNA
CA NetMaster® File Transfer Management
CA NetMaster® Network Automation
CA NetSpy™ Network Performance
CA OPS/MVS® Event Management and Automation
CA Optimizer®/II
CA PanAPT®
CA Panvalet®
CA PDSMAN® PDS Library Management
CA SMF Director
CA SOLVE:Access™ Session Management

CA Spool™
CA SymDump® Batch
CA SymDump® for CICS
CA SymDump® System
CA SYSVIEW® Performance Management
CA Tape Encryption
CA Telon® Application Generator
CA TLMS® Tape Management
CA Top Secret®
CA Top Secret® Option for DB2
CA TPX™ Session Management
CA Vantage™ Storage Resource Manager
CA Verify® for CICS Automated Regression Testing
CA Verify® for VTAM Automated Regression Testing
CA View®
CA Vtape™ Virtual Tape System
CA Workload Automation ESP Edition
CA Workload Automation Restart Option for z/OS Schedulers
CA Workload Automation CA 7® Edition
CA XCOM™ Data Transport® for z/OS

CA Mainframe Stack maintenance improvements

Goals

- Improve the preventive maintenance experience for all products in the CA Mainframe Stack
 - Provide a consistent process across all products
- Provide thorough, integrated testing across CA products, z/OS releases and related subsystems (CICS, DB2, etc.)
- Provide recommended preventive service over predictable intervals
 - Let customers choose to install current service whenever it fits their maintenance schedules
 - Make it easy to keep all CA products at the same maintenance level
 - Remove PTFs from “recommended” status if problems are discovered
- Simplify planning for “external events”
 - z/OS upgrades, new hardware installations, etc.

CA Mainframe Stack maintenance improvements

what's new?

- PTFs are tested by product QA and affected customer(s), then published to CA Support Online (CSO)
 - Immediately available for download if needed for corrective service
 - No change here
- After publication, PTFs are installed into a new Integrated System Test (IST) environment
 - Additional level of testing above and beyond what was done previously
- Each month, we publish a list of PTFs that have successfully completed IST testing and are now “CA Recommended”
- Customers install CA Recommended Service whenever they choose
- Service Packs for individual products are no longer provided

*Note: The above applies to CA Mainframe Stack products **only***

Integrated System Test

- The Integrated System Test (IST) environment provides an additional level of testing *after* PTFs are published
 - Battery of test cases, simulating customer-like workloads
 - Currently includes 2800+ test cases
 - Similar to IBM's Consolidated Service Test (CST)
- The IST is comprised of systems in a sysplex running different combinations of software, including:
 - All current z/OS releases
 - Popular subsystems (DB2, CICS, IMS) at different releases
 - CA Mainframe Stack products
 - Installed and maintained using CA CSM
- Two types of testing environments:
 1. All published PTFs
 2. PTFs that are candidates for the next CA RS level

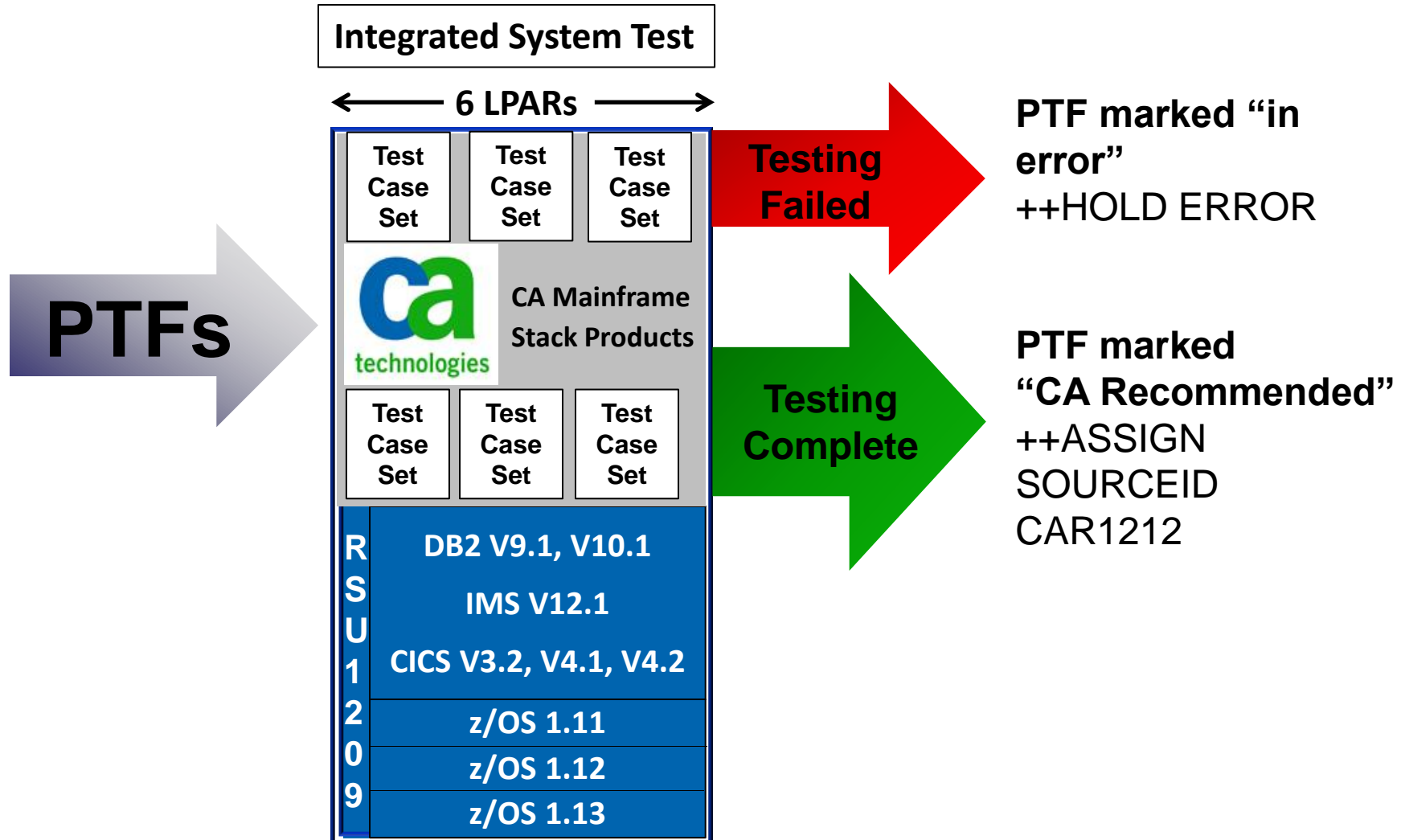


CA Recommended Service (CA RS)

- CA Recommended Service (CA RS) provides a way to “flag” PTFs that have been tested in IST over a measured time cycle
 - Quarterly (January, April, July, October) CA RS include all PTFs tested for at least 90 days and HIPER or PRP (PE Resolving) PTFs tested for at least 30 days
 - Monthly CA RS include HIPER or PRP PTFs tested for at least 30 days
- For each CA RS level we publish:
 - A list of PTFs included
 - SMP/E ++ASSIGN SOURCEID(CARyymm) statements
 - Product Service Reports listing each PTF by product
 - A Release Grid showing the IBM software and levels (e.g. z/OS releases, RSU levels, etc.) we tested against and the level of CSM used
- PTFs with a CAR SOURCEID that are not held by an ERROR hold are recommended for installation

Integrated System Test and CA Recommended Service

Testing to create CAR1212



CA RS Release Grid

Available from the *CA Recommended Service (CA RS) CSO* page

- For each CAR level, documents what was tested and against what IBM software levels

CA RS Level Details						IBM software stack used during the testing				
CA RS SOURCEID	Publish Date	PTF Date Range	HIPER/PRP Cutoff Date	CA MSM Level Used	MF 2.0 Stack Level(s)	z/OS Release	RSU Level	DB2 rels	IMS rels	CICS rels
CAR1212	1/4/2013	Jul'12 - Sep'12	Nov'12	5.0 build 37	2010, 2011 , 2012	1.13	RSU1209	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1212	1/4/2013	Jul'12 - Sep'12	Nov'12	5.0 build 37	2010, 2011 , 2012	1.12	RSU1209	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1212	1/4/2013	Jul'12 - Sep'12	Nov'12	5.0 build 37	2010, 2011 , 2012	1.11	RSU1209	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1210	10/3/2012	Apr'12 - Jun'12	Aug'12	5.0 build 37	2010, 2011 , 2012	1.13	RSU1206	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1210	10/3/2012	Apr'12 - Jun'12	Aug'12	5.0 build 37	2010, 2011 , 2012	1.12	RSU1206	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1210	10/3/2012	Apr'12 - Jun'12	Aug'12	5.0 build 37	2010, 2011 , 2012	1.11	RSU1206	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1207	7/5/2012	Jan'12 - Mar'12	May'12	4.1 build 664	2010, 2011 , 2012	1.13	RSU1203	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1207	7/5/2012	Jan'12 - Mar'12	May'12	4.1 build 664	2010, 2011 , 2012	1.12	RSU1203	10.1, 9.1	12.1	4.2, 4.1, and 3.2
CAR1207	7/5/2012	Jan'12 - Mar'12	May'12	4.1 build 664	2010, 2011 , 2012	1.11	RSU1203	10.1, 9.1	12.1	4.2, 4.1, and 3.2

CA RS Product Service Report

Available from the *CA Recommended Service (CA RS) CSO* page

CA MIM Resource Sharing 11.9 CA RS 1212 Service List

Release	Service	Description	Hiper
11.9	RO47990	MIM008671 MSG # 2225 TEXT CHANGED BY TABLE MIAMSGS	
	RO48306	U0095 RC=3610	
	RO48737	IPCS VERBXIT INCORRECT	
	RO49756	S0C4 IN MIMCMHRT	**HIPER**
	RO50190	ABENDS213-30 MSM SCS DEPLOYMENT LIBRARY COPY OPERATION	
	RO50262	CLOSELOG MIMLOG S0C3 S0C4	**HIPER**
	RO51252	DUPLICATE ECMF PROCESSING	**HIPER**

The CA RS 1212 service count for this release is 7

Before installing maintenance make sure you have the latest CA RS and HOLDDATA updates!

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 left sidebar shows a tree view of settings categories: System Settings (Software Acquisition, Software Catalog, Software Installation, Software Deployment, Mount Point Management), User Settings (Software Installation, User Preferences, Software Acquisition, Remote Credentials), and a highlighted 'Software Catalog' section.

The main content area is titled 'Software Catalog' and contains several configuration panels:

- Information:** A yellow box with text: "Information: Intervals of acceptable values for Base Settings are the following: [1, 10] for threads for package processing; [1, 12] for number of MCS scanners; [20, 600] for queue length of incoming packages. An interval of acceptable values for HFS Data Set Parameters, both primary and secondary quantity, is [1, 100000000]. Changes made in Base Settings are applied after server restart. Changes in HFS Data Set Parameters are applied immediately."
- Base Settings:** Fields for Root Directory* (Au/users/msmserv/tpm/sc), Threads for Package Processing* (3), Number of MCS Scanners* (3), and Queue Length of Incoming Packages* (500).
- HFS Data Set Parameters:** Fields for Data Set Suffix* (MSMT), Primary Quantity* (80 TRKS), and Secondary Quantity* (80 TRKS).
- CA RS Settings:** Includes 'Enable Automatic Updates' (checked), Owner of Update Task (SPASU01), Number of Displayed CA RS Files (6), Recurrence (Daily), Update Software Catalog Every (1 Day), System Time (06:00:00 Central Standard Time), and Local Time (06:00:00). A blue 'Update Immediately' button is present.
- HOLDDATA Settings:** Includes 'Enable Automatic Updates' (checked), Owner of Update Task (SPASU01), Recurrence (Daily), Update Software Catalog Every (1 Day), System Time (07:00:00 Central Standard Time), and Local Time (07:00:00). A blue 'Update Immediately' button is present.

At the bottom of the interface is a blue 'Apply' button.

Annotations on the image include:

- An arrow pointing from the text 'Update Manually' to the 'Update Immediately' button in the CA RS Settings panel.
- Two arrows pointing from the text 'Enable Automatic Updates (recommended)' to the 'Enable Automatic Updates' checkboxes in the CA RS and HOLDDATA Settings panels.

If not using CSM/MSM, download and RECEIVE the latest CA RS and HOLDDATA files from CSO

Tip: Use CA CSM instead

1. CA RS ++ASSIGN statements

- <ftp://ftp.ca.com/pub/ASSIGNS/> (published monthly)
- RECEIVE in SMPPTFIN

2. HOLDDATA

- <ftp://ftp.ca.com/pub/HoldData> (daily, monthly, quarterly, yearly, or ALL)
- RECEIVE in SMPHOLD

```
//SMPHOLD    DD DSN=holddatafile,DISP=SHR
//SMPPTFIN   DD DSN=ptffile,DISP=SHR
//           DD DSN=carsfile-1,DISP=SHR
//           DD DSN=carsfile-2,DISP=SHR
//           DD DSN=carsfile-n,DISP=SHR
//SMPCNTL    DD *
             SET BDY(GLOBAL).
             RECEIVE.
```

**Need all files created since
the last CA RS install**

installing CA Recommended Service with CA CSM



- Click the **Settings** tab
- Click Software Catalog under the **Systems Settings** tree
- Scroll down to the **CA RS Settings** and **HOLDDATA Settings** at the bottom of the page
- Click the **Update Immediately** buttons under each to download the latest from information from CSO
- Click the **SMP/E Environments** tab
- Click the name of the CSI you want to upgrade
- Click the **Actions** dropdown, then **Upgrade CA RS Level**
- This will launch the **CA RS Installation wizard**
 - CA CSM will automatically download any needed PTFs from CSO

Installing CA Recommended Service without CA CSM/MSM

Tip: Use CA CSM instead

1. Download and RECEIVE all available PTFs
 - More on this later
2. Download and RECEIVE the latest CA RS and HOLDDATA files
3. APPLY PTFs by SOURCEID – CAR*recommended

```
//SMPCNTL DD *  
SET BDY(target-zone).  
APPLY SOURCEID(CAR*) BYPASS(HOLDSYS) CHECK.
```


Service Packs vs. CA Recommended Service

Service Packs	CA Recommended Service
Self-contained maintenance package for a specific product	<ul style="list-style-type: none"> • PTFs • CAR files (++)ASSIGN statements) • HOLDDATA files (++)HOLD ERROR stmts)
<ul style="list-style-type: none"> • Provided by each individual product team for that product only • Can have significant packaging differences between products 	Provided across all CA Mainframe Stack products in a common way using standardized packaging
Inconsistent delivery schedule	Consistent delivery each quarter/month
Must upgrade to the Service Pack level	Upgrade to any available CA RS level desired
Tested by the individual product QA team	Tested in IST with all Mainframe Stack products against various IBM software levels
Once included, PTF cannot be removed from a service pack	PTF can be removed from recommended status at any time by marking it PE

— FIXCAT

– Special type of HOLD to identify PTFs needed for:

- New hardware levels (e.g. zEC12, z196)
- New software levels (e.g. z/OS 1.13, DB2 V10)
- New functionality (e.g. zIIP exploitation, IPv6)
- Etc...



– SMP/E support was introduced in SMP/E 3.5

– Category names define the support provided

- Category assigned as SOURCEID to “fixing” PTF when FIXCAT HOLD is RECEIVED

— CA Technologies use of FIXCAT

- CA began issuing FIXCAT HOLDs for CA products in July 2011
- FIXCAT type ++HOLDs are included with ERROR ++HOLDs
 - Another reason to download holddata files frequently!
- Eliminates manual product-by-product research checking UPGRAD solutions and other “upgrade lists” on CSO
- CA MSM 5.0 and higher includes a FIXCAT wizard to install fixes for desired categories



FIXCAT categories provided by CA

CA.Device.Server.z10-BC-2098	CA.TargetSystem-RequiredService.CICS.V4R1
CA.Device.Server.z10-EC-2097	CA.TargetSystem-RequiredService.CICS.V4R2
CA.Device.Server.z114-2818	CA.TargetSystem-RequiredService.DB2.V9
CA.Device.Server.z196-2817	CA.TargetSystem-RequiredService.DB2.V10
CA.Device.Server.zEC12-2827	CA.TargetSystem-RequiredService.IMS.V10
CA.Function.EAV	CA.TargetSystem-RequiredService.IMS.V11
CA.Function.HealthChecker	CA.TargetSystem-RequiredService.z/OS.V1R11
CA.Function.IPv6	CA.TargetSystem-RequiredService.z/OS.V1R12
CA.Function.zIIP	CA.TargetSystem-RequiredService.z/OS.V1R13

Partial list - see the *FIXCAT* page on CSO for complete (and current) list.
<https://support.ca.com/irj/portal/anonymous/phpsupcontent?contentID={1426C7AF-3D50-49C1-ACE7-FCC325DCC1B0}>

Installing FIXCAT PTFs with CA CSM/MSM

- Click the **SMP/E Environments** tab
- Click the **Actions** drop down for the desired CSI
- Click the **Update Using Fix Categories** action
- This will launch the FIXCAT wizard
- You can select one or more categories from the available list, presented in a tree structure
- The wizard will install any missing PTFs associated with those categories
 - As with CA RS, PTFs (or prerequisites) will be automatically downloaded, if needed

Search

Search For:

Search In:

SMP/E Environment Search

Actions

Migrate SMP/E Environment

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 1 R12.6	CA1.R126.CSI	No tags	Actions
<input type="checkbox"/>	CA 7 R11.3	CA7.R113.CSI	No tags	Actions
<input type="checkbox"/>	CA Bundl r5.0	CAPROD.CABUNDL.CSI	No tags	Actions
<input type="checkbox"/>	CA CCS R14.0	CCS.R14.CSI	No tags	Actions
<input type="checkbox"/>	CA CCS R14.1	CCS.R141.CSI	No tags	Actions
<input type="checkbox"/>	CA CSM v5.1	MF51.MSM.SMP.SMPCSI.CSI	No tags	Actions
<input type="checkbox"/>	CA Datacom R12	CCS.DCOMM.R12.CSI	No tags	Actions
<input type="checkbox"/>	CA Endeavor R15	ENDV.R15.CSI	No tags	Actions
<input type="checkbox"/>	CA LNXCON R1.0	LNXCOS.R10.CSI	No tags	Actions
<input type="checkbox"/>	CA OPS/MVS r12.0	OPSMVS.R120.CSI	No tags	Actions
<input type="checkbox"/>	CA Solve R11.9	SOLVE.R119.CSI	No tags	Actions
<input type="checkbox"/>	CA Sysview 13.5 (greg)	SYSVGS.R135.CSI	No tags	Actions
<input type="checkbox"/>	CA SYSVIEW R13.5	SYSV.R135.CSI	No tags	Actions
<input type="checkbox"/>	CA TSS R15	TSS.R15.CSI	No tags	Actions
<input type="checkbox"/>	CA Vantage R12.6	CAVANT.R126.CSI	No tags	Actions
<input type="checkbox"/>	CA View r11.6	CAPROD.CAVIEW.R116.CSI	No tags	Actions

- 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

CA Chorus™ Software Manager
CA Chorus™ technologies

Software Status Products SMP/E Environments

Search For: []

Search In: SMP/E Environment

Actions

Migrate SMP/E Environment

SMP/E Environments

- SMP/E Environments
 - CA 1 R12.6
 - AG8,12.06.00
 - AL0,12.06.00
 - BAF,12.06.00
 - CA 7 R11.3
 - CA Bundl r5.0
 - CA CCS R14.0
 - CA CCS R14.1
 - CA CSM v5.1
 - CA Datacom R12
 - CA Endeavor R15
 - CA LNXCON R1.0
 - CA OPS/MVS r12.0
 - CA Solve R11.9
 - CA Sysview 13.5 (greg)
 - CA SYSVIEW R13.5
 - CA TSS R15
 - CA Vantage R12.6
 - CA View r11.6

Update Using Fix Categories for CA SYSVIEW R13.5

1 Introduction **2 Selection Criteria (1/3)** 3 FIXCAT Maintenance 4 Finalize FIXCAT 5 Options 6 Summary

Select Categories

Select at least one maintenance category to apply: select check boxes in the category tree, or enter a mask in the Mask field and click Select.
Use an asterisk (*), or a percent sign (%), or both to specify naming masks for selecting categories. Applying the mask expands the category tree and selects matching categories, and does not affect your previous category selection.

Show Information

Selectable Categories Selected Categories

You selected 3 categories.

Mask: [] **Select**

- CA.*
 - CA.Function.*
 - CA.Function.HealthChecker
 - CA.Function.zIIP
 - CA.TargetSystem-RequiredService.*
 - CA.TargetSystem-RequiredService.CICS.V4R1
 - CA.TargetSystem-RequiredService.CICS.V4R2
 - CA.TargetSystem-RequiredService.CICS.V5R1
 - CA.TargetSystem-RequiredService.WebSphere.*
 - CA.TargetSystem-RequiredService.WebSphere.MQ.*
 - CA.TargetSystem-RequiredService.WebSphere.MQ.z/OS.*
 - CA.TargetSystem-RequiredService.WebSphere.MQ.z/OS.V7R1M0

Select desired categories

Back Next Execute Exit Help

spasu01

Refresh

Show All

Tags	Actions
No tags	Actions
No tags	Actions
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CA Chorus™ Software technologies

Software Status Products SMP/E

Search

Search For:

Search In: SMP/E Environment

Actions

Migrate SMP/E Environment

SMP/E Environments

- SMP/E Environments
 - CA 1 R12.6
 - AG8,12.06.00
 - AL0,12.06.00
 - BAF,12.06.00
 - CA 7 R11.3
 - CA Bundl r5.0
 - CA CCS R14.0
 - CA CCS R14.1
 - CA CSM v5.1
 - CA Datacom R12
 - CA Endeavor R15
 - CA LNXCON R1.0
 - CA OPS/MVS r12.0
 - CA Solve R11.9
 - CA Sysview 13.5 (greg)
 - CA SYSVIEW R13.5
 - CA TSS R15
 - CA Vantage R12.6
 - CA View r11.6

Update Using Fix Categories for CA SYSVIEW R13.5

1 Introduction 2 Selection Criteria (3/3) **3 FIXCAT Maintenance** 4 Finalize FIXCAT 5 Options 6 Summary


FIXCAT Maintenance

Review the maintenance that is not installed in the selected target zones. When you click Next, CA CSM will receive applicable maintenance that is not yet received into the CSI for the products that you selected in the previous step. Click Export to open a list of missing maintenance packages in a separate browser window.

- All Maintenance Not Installed
- CAIT
 - RO42880
 - RO46798
 - RO47187
 - RO48846
 - RO49825
 - RO50701
 - RO52178
 - RO52320
 - RO52641

Fix #	Description
RO42880	TSD5007 ENVIRONMENT NOT PROPERLY RESTORED - RETRY FROM ABEND
RO46798	TSD5068 CSIT NOT SHOWING DFHSIT MODULE SUFFIX IN CICS TS 4.2
RO47187	TSD5072 CICS HEALTH CHECK EXCEPTION MESSAGE ON CICS START
RO48846	TSD5093 ABEND U2999-1007 IN HEALTH CHECK
RO49825	TSD5103 CICS T8 TCB CPUTIME INCORRECT & CICS RELEASE MISSING
RO50701	TSD5115 CSIT NOT SHOWING TSMALIMIT / AUTORESETTIME IMMED
RO52178	TSD5134 ABEND S0F8 IN ISSUING ACTIVITY COMMAND
RO52320	TSD5139 ABEND S0F8 AFTER GETMAIN FAILURE
RO52641	TSD5150 FALSE ABEND U2999-1007 IN HEALTH CHECK EXIT

Information



CA CSM will download the necessary maintenance packages and receive them into the global zone. Do you want to continue?

Yes No

Back Next Execute Exit Help

spasu01

Refresh

Show All

Tags	Actions
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Installing FIXCAT PTFs without CA CSM/MSM

Tip: Use CA CSM instead

1. Download and RECEIVE all available PTFs
 - More on this later
2. Download and RECEIVE the latest HOLDDATA file
3. APPLY using the desired FIXCAT categories as the SOURCEIDs

Example:

```
//SMPCNTL DD *  
    SET BDY(target-zone).  
    APPLY SOURCEID(  
        CA.Function.*,  
        CA.TargetSystem-RequiredService.CICS.V4R2  
    )  
    GROUPEXTEND BYPASS(HOLDSYS) .
```

FIXCAT exploitation and new product releases

- By design, FIXCAT holds can only be issued against product releases (FMIDs) currently installed
- In some cases (e.g. z/OS upgrades), it may be necessary to install a new product release
- Be sure to review the CSO **Compatibilities** pages to ensure product release compatibility with your planned change
 - For example, the **z/OS Release Compatibility** page is at <http://www.ca.com/us/Support/mainframe-compatibilites/zOS-Release-Compatibility.aspx>
- Then install PTFs on any supported release for that FIXCAT category

FIXCAT exploitation and new product releases

Example: Getting CA-Common Services (CCS) ready for z/OS 1.13

1. Review z/OS Release Compatibility:

CA-Common Services				
* Please see the Solution # for the most current information and requirements.				
Product Name	z/OS Release	Product Level	zSeries 64-Bit Mode	Solution #
CA-Common Services	1.11	r11	Yes	RI11222
	1.12	r11	Yes	RI22120
	1.12	r12	Yes	RI22120
	1.12	r14	Yes	RI22120
	1.13	r11	Yes	RI35646
	1.13	r12	Yes	RI35646
	1.13	r14	Yes	RI35646

- CCS r11, r12, or r14 can run on z/OS 1.13
- ### 2. Install PTFs for FIXCAT `CA.TargetSystem-RequiredService.z/OS.V1R13` on any of these CCS releases for z/OS 1.13 support

Getting the latest maintenance for your product

Tip: Use CA CSM instead

- If you are NOT using CA CSM/MSM you will need to order the latest PTFs from CSO prior to installing CA RS or FIXCAT
 - [Download Center](#) → [Published Solutions](#)
 - Enter date of most recent PTF received as "Confirmed Since" date, click [Go](#)
 - Check **Add All to Cart** check box (may need to repeat on multiple pages)
 - Click [View Download Cart](#) then [Checkout](#)
 - At checkout select **Create a Zip File** for **Download Method**
 - CSO will create a zip file that contains all selected maintenance
 - Click on the "Alternate FTP" link for download information
 - You can use the CAUNZIP utility to create an SMP/E-installable package from z/OS

Tip: Use CA CSM instead

- CAUNZIP is a new utility designed to help process maintenance package zip files created by CSO
 - Currently in beta. Will be made GA via CA Common Services PTFs.
 - Unzips package and creates a Network Temporary Store (NTS) formatted set of z/OS UNIX files that can be used via SMP/E RECEIVE FROMNTS
 - Requires any supported 31 or 64 bit Java runtime environment at Version 5 or higher
 - No third-party software or “alternate platform” (e.g. a PC) is required!
 - Always remember to download and RECEIVE the latest CA RS and HOLDDATA files (as described earlier) prior to installing any PTFs contained in the package!

Summary

- CA's Next-Generation Mainframe Management initiative has implemented changes that improve quality and offer greater maintenance installation options for CA Mainframe Stack products
 - *Integrated System Test (IST)* provides an additional level of testing in varied environments that include different releases of z/OS, DB2, CICS, etc.
 - *CA Recommended Service* provides highly-tested preventive maintenance at predictable intervals
 - *FIXCAT* simplifies the research and effort to upgrade CA products to support new hardware, software releases, functionality, etc.
- CA CSM, in conjunction with the above enhancements, can dramatically simplify the installation and maintenance of CA Mainframe Stack products!

What's YOUR Preventive Maintenance Philosophy?

We can do that!

- CA no longer “pushes” service packs on inconsistent and unpredictable schedules
- CA’s service model now allows you to install maintenance on YOUR schedule...
 - With IBM software (or not)
 - With other ISV software (or not)
 - Monthly, quarterly, semi-annually, annually (or other)
 - When upgrading z/OS, CICS, etc. or when installing new hardware
- CA CSM automates the acquisition and simplifies the installation of preventive maintenance for your CA z/OS-based products!

Questions ???

Please evaluate this session at
<http://SHARE.org/SFEval> or
scan the QR code below.



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