

keeping your CA Datacom & CA Ideal software healthy

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May, 2012

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abstract

An update to an earlier webcast, this session presents techniques for managing your installed CA Datacom and CA Ideal software. Learn what facilities and services are available to maintain your CA Datacom and CA Ideal environments going forward:

- What is new with CA Mainframe Software Manager and how can it save time and effort when applying maintenance?
- What is CA Recommended Solutions (CA RS) and what are its benefits?
- What is Aggregate Maintenance and what is its benefit?

Join Dale Russell, Director of Software Engineering, for helpful advice on how to keep your CA Datacom and CA Ideal environments healthy.

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agenda

- What is CA Mainframe Software Manager (CA MSM) and how can it save time and effort when applying maintenance?
- What is CA Recommended Service (CA RS) and what are its benefits?
- What is Aggregate Maintenance and what is its benefit?
- A word about Error HOLDDATA

what is CA Mainframe Software Manager (CA MSM)?

- A key component of CA's Next Generation Mainframe strategy
- Provides a set of services that easily and quickly acquire, install and maintain CA's mainframe software
- Proactively informs you when updates are available
- Reduces the opportunities to make errors or misinterpret instructions
- Helps enforce best practices
- https://support.ca.com/phpdocs/0/8319/mainframe20_support.html

CA MSM features, services and components

- Web-based interface to CA Support Online (CSO)
- Stores installation files and fixes in a central repository on your mainframe
- Except for test fixes, eliminates downloading and uploading of individual PTFs
- Automatically reconciles SMP/E PTF PRE-REQs and CO-REQs
- Identifies which PTFs/APARs have been installed and those not yet installed
- Maintenance can be applied using MSM or standard SMP/E JCL
- Applying maintenance and installing products takes far less time
- Allows SYSPROGs time to be spent on more important tasks

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CA MSM features, services and components

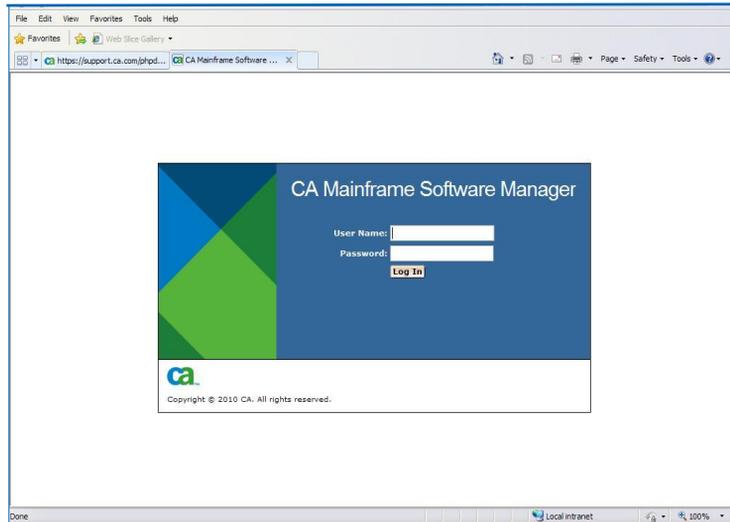
- Product Acquisition Services (CA MSM 2.0 May 2009)
- Software Installation Services (CA MSM 2.0 May 2009)
- Product Deployment Services (CA MSM 3.0 May 2010)
- CA RS and ERROR HOLDDATA Support (CA MSM 3.1 November 2010)
- Product Configuration Services (CA MSM 4.0 May 2011)
- Many more improvements! (CA MSM 4.1 October 2011)
- Even more! (CA MSM 5.0 is in beta status)

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CA MSM features, services and components log in screen

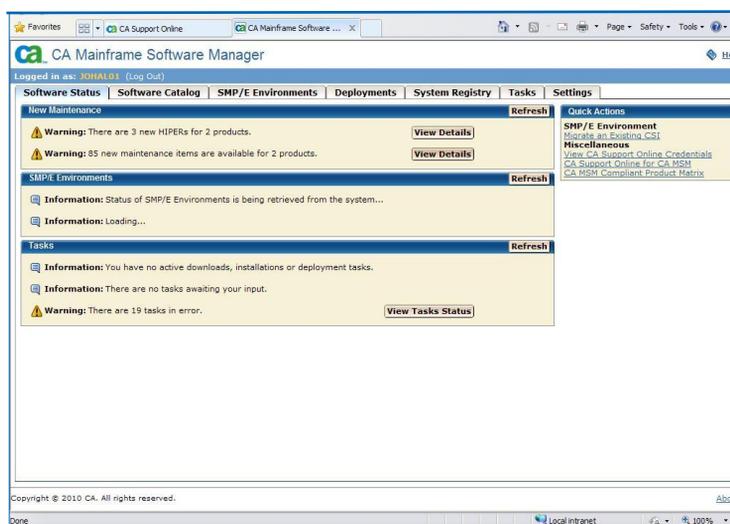


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CA MSM features, services and components software status



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CA MSM features, services and components CA product PTFs and APARs

The screenshot displays the 'Maintenance Packages' section for CA Datacom/DB - MVS 12.0. The interface includes a search bar, a product tree on the left, and a main table of maintenance packages. The table columns are: Select, Fix #, Description, Confirmed Date, Type, Installed, and Actions. The 'Installed' column shows 'No. (0/1)' for all entries, indicating they are not yet installed.

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	IR25608	SO9C DBSGMPR USING CCI AND ROW GT 32,000	N/A	APAR	No. (0/1)	Actions
<input type="checkbox"/>	IR25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	N/A	APAR	No. (0/1)	Actions
<input type="checkbox"/>	RO2595	9999 SQLCODE OR ABEND WITH DISTINCT IN SUBQUERY	Jan 7, 2011	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25742	SQLCODE -999 RQABLD: OP2 NOT LITERAL AFTER R025074	Jan 6, 2011	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25503	SQL RETURN CODE -53 ON DDTRSLM IMPORT	Jan 13, 2011	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25444	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	Jan 14, 2011	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25438	MULTIPLE ERRORS ATTEMPTING DYNAMIC EXTEND OF VIRTUAL TTN	Dec 28, 2010	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25383	SOCA MODULE DBS3PPF -X'DE670' MEMORY POOL SEGMENT HDR	Jan 10, 2011	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25360	RC 05(34) DURING DYNAMIC EXTEND	Dec 21, 2010	PTF	No. (0/1)	Actions
<input type="checkbox"/>	RO25336	ERRORS AFTER RUNNING DBUTLTY REPLACE FUNCTION	Dec 17, 2010	PTF	No. (0/1)	Actions

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CA MSM features, services and components CA MSM managed SMP/E CSIs

The screenshot displays the 'Related SMP/E Environments' section. A table lists various environments where the product is installed. The table columns are: Select, Name, and Data Set. The 'Data Set' column shows the specific CSIs for each environment.

Select	Name	Data Set
<input type="checkbox"/>	CA Datacom/DB V1	DCMQA.DBR12V.CSI
<input type="checkbox"/>	CA Datacom/AD r11 SP4	DCMLV2.OB.30HAL01.AX1104.CSI
<input type="checkbox"/>	CA Datacom/AD T1	DCMQA.AX12T1.CSI
<input type="checkbox"/>	MSM 3.0	DCMQA.OB.MSM30.SMPCSI.CSI
<input type="checkbox"/>	MSM 2.0	DCMQA.MSM20.SMPCSI.CSI
<input type="checkbox"/>	CA Datacom/AD 12.0	DCMLV2.OB.30HAL01.AD12.CSI
<input type="checkbox"/>	CA Datacom r12 (CARS R2)	DCMQA.OB12R2.CSI
<input type="checkbox"/>	QA R12 T1 environment	DCMQA.OB12T1.CSI
<input checked="" type="checkbox"/>	CA Datacom/DB r12 (CARS1)	DCMQA.OB12C1.CSI
<input type="checkbox"/>	QA R12 P1 environment	DCMQA.OB12P1.GLOBAL.CSI
<input type="checkbox"/>	CA Datacom/DB 12.0 V1.2 CSI	DCMALL.R120.SP00.CSI
<input type="checkbox"/>	CA Datacom/DB 12.0 Test	DCMLV2.OB.30HAL01.DB12T.CSI
<input type="checkbox"/>	CA Datacom/DB r12 (CARS2)	DCMQA.OB12C2.CSI
<input type="checkbox"/>	CA Datacom/DB r12 (Configuration)	DCMQA.PUBLIC.OB12V1.CSI

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maintenance choices/strategies PTFs and APARs

- CA Technologies has adopted IBM’s SMP/E maintenance philosophy
- Cumulative maintenance versus individual fixes
- SMP/E Error HOLDDATA support
- APARs/PTFs
 - Object and source module replacements only
 - Subsequent PTFs to a module can SUP prior PTF(s)
 - PRE-REQ/CO-REQ relationships to same or other modules maintained
- USERMODs/APARs
 - Load module VERs and REPs (zaps)
 - APARs can be applied independently of other APARs
 - Many more possible variants of code in the field



Releases since May 2009 use the new strategy

Last release of USERMODs/APARs	First release of APARs/PTFs
<ul style="list-style-type: none"> – CA Datacom Core Products Version 11.0 (DB, DD, DQ, SQL) – CA Ideal Version 11.0 – CA IPC Version 11.0 – CA Datacom CICS Services Version 11.0 – CA Datacom Server Version 11.0 – CA Datacom DL1 Transparency Version 2.3 – CA Datacom STAR Version 2.2 – CA Datacom VSAM Transparency Version 2.2 	<ul style="list-style-type: none"> – CA Datacom Core Products Version 12.0 (DB, DD, DQ, SQL, DATPAK, FSTR) – CA Ideal Version 14.0 – CA IPC Version 14.0 – CA Datacom CICS Services Version 14.0 (beta) – CA Datacom Server Version 14.0 – CA Datacom DL1 Transparency Version 12.0 – CA Datacom STAR Version 12.0 – Next release of CA Datacom VSAM Transparency



PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: J08M01 (Log Out)

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

Search: ca Datacom/db

Search In: Products

Actions: Update Catalog Tree, Show SMP Sites, Insert New Product, Install External Package

Available Products: CA Datacom/DB - MV5, 11.0, 12.0, SPO, CA Datamacs Test Data Generator - MV5, CA Datamacs Test Data Generator CA Datacom Option - MV5, CA Datamacs Test Data Generator CA IDMS Option - MV5, CA Datamacs Test Data Generator Option for IMS - MV5

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	IR25600	S09C DBSGMPR USING CCI AND ROW GT 32,000	N/A	APAR	No (0/1)	Actions
<input type="checkbox"/>	IR25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	N/A	APAR	No (0/1)	Actions
<input type="checkbox"/>	RO25953	-999 SQLCODE OR ABEND WITH DISTINCT IN SUBQUERY	Jan 7, 2011	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25742	SQLCODE -999 RQABLD: OP2 NOT LITERAL AFTER R025074	Jan 6, 2011	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25563	SQL RETURN CODE -53 ON DDTRSLM IMPORT	Jan 13, 2011	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	Jan 14, 2011	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25438	MULTIPLE ERRORS ATTEMPTING DYNAMIC EXTEND OF VIRTUAL TTM	Dec 28, 2010	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25389	S0C4 MODULE DBSRPPR --X'DE670' MEMORY POOL SEGMENT HDR	Jan 10, 2011	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25360	RC 05(34) DURING DYNAMIC EXTEND	Dec 21, 2010	PTF	No (0/1)	Actions
<input type="checkbox"/>	RO25336	ERRORS AFTER RUNNING DBUTLTY REPLACE FUNCTION	Dec 17, 2010	PTF	No (0/1)	Actions

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PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: J08M01 (Log Out)

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

Search: ca Datacom/db

Search In: Products

Actions: Update Catalog Tree, Show SMP Sites, Insert New Product, Install External Package

Available Products: CA Datacom/DB - MV5, 11.0, 12.0, SPO, CA Datamacs Test Data Generator - MV5, CA Datamacs Test Data Generator CA Datacom Option - MV5, CA Datamacs Test Data Generator CA IDMS Option - MV5, CA Datamacs Test Data Generator Option for IMS - MV5

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input checked="" type="checkbox"/>	IR25600	S09C DBSGMPR USING CCI AND ROW GT 32,000	N/A	APAR	No (0/1)	Actions
<input checked="" type="checkbox"/>	IR25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	N/A	APAR	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25953	-999 SQLCODE OR ABEND WITH DISTINCT IN SUBQUERY	Jan 7, 2011	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25742	SQLCODE -999 RQABLD: OP2 NOT LITERAL AFTER R025074	Jan 6, 2011	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25563	SQL RETURN CODE -53 ON DDTRSLM IMPORT	Jan 13, 2011	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	Jan 14, 2011	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25438	MULTIPLE ERRORS ATTEMPTING DYNAMIC EXTEND OF VIRTUAL TTM	Dec 28, 2010	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25389	S0C4 MODULE DBSRPPR --X'DE670' MEMORY POOL SEGMENT HDR	Jan 10, 2011	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25360	RC 05(34) DURING DYNAMIC EXTEND	Dec 21, 2010	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25336	ERRORS AFTER RUNNING DBUTLTY REPLACE FUNCTION	Dec 17, 2010	PTF	No (0/1)	Actions
<input checked="" type="checkbox"/>	RO25291	CUMULATIVE MAINTENANCE SHIPMENT - 1671	Dec 15, 2010	PTF	No CSI available	Actions

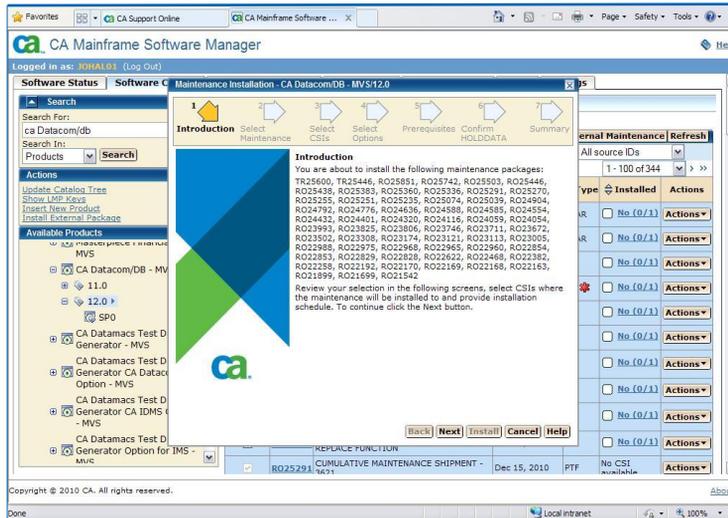
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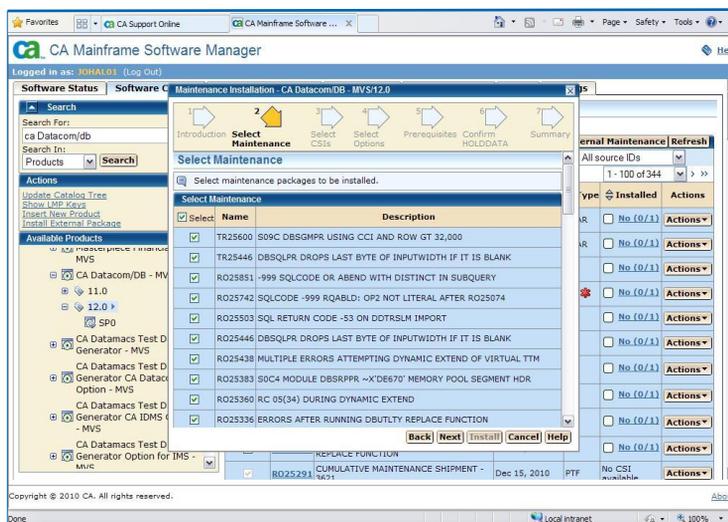


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PTFs and APARs applying maintenance using CA MSM

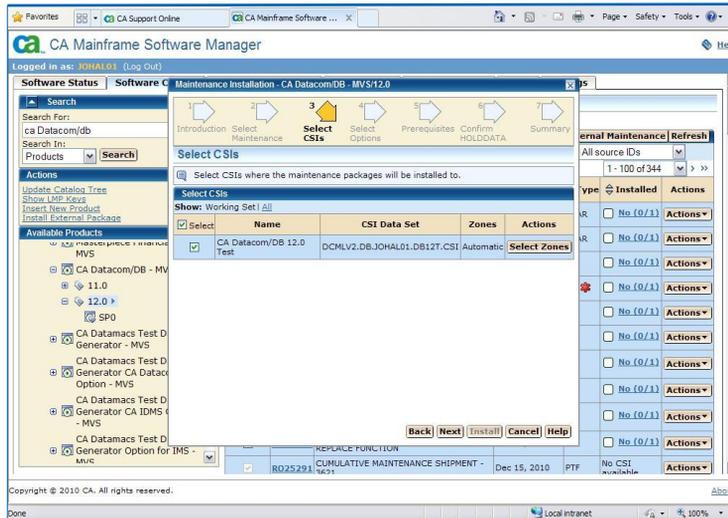


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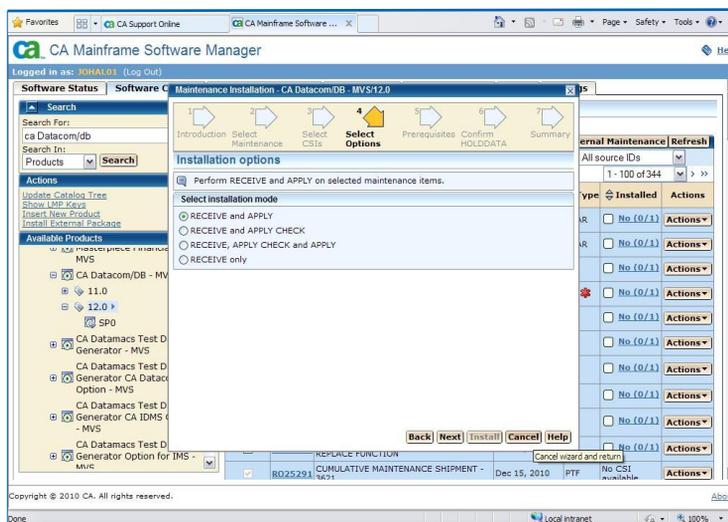


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PTFs and APARs applying maintenance using CA MSM



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PTFs and APARs applying maintenance using CA MSM

The screenshot shows the 'Prerequisites' step of the 'Maintenance Installation - CA Datacom/DB - MVS/12.0' wizard. The interface includes a search bar, a software tree on the left, and a main window with a progress bar at the top. The 'Prerequisites' section contains a table of PTFs and CSIs.

PTF	Available	CSIs without this required PTF
RO17892	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO11194	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO13329	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO15470	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO10325	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO10292	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO20040	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO18997	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO17081	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO11183	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO19992	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO10527	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI
RO15613	Yes	DCMLV2.DB.JOHAL01.DB12T.CSI

Below the table, there is a 'REPLACE FUNCTION' section with a table:

REPLACE FUNCTION	DATE	PTF	CSI	Availability	Actions
CUMULATIVE MAINTENANCE SHIPMENT -	Dec 15, 2010	PTF	No CSI available		Actions

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PTFs and APARs applying maintenance using CA MSM

The screenshot shows the 'Confirm HOLDDATA' step of the 'Maintenance Installation - CA Datacom/DB - MVS/12.0' wizard. The interface is similar to the previous screenshot, but the main window displays a table of HOLDDATA entries.

Package	FMID	HOLDDATA Details	Confirm
RO15227	CBDC000	date(2010-09-14), type(SYSTEM), reason(ACTION)	<input type="checkbox"/>
RO21329	CBDC000	date(2010-09-14), type(SYSTEM), reason(DOC)	<input type="checkbox"/>
RO21899	CBDC000	date(2010-10-21), type(SYSTEM), reason(DOC)	<input type="checkbox"/>

Below the table, there is a 'REPLACE FUNCTION' section with a table:

REPLACE FUNCTION	DATE	PTF	CSI	Availability	Actions
CUMULATIVE MAINTENANCE SHIPMENT -	Dec 15, 2010	PTF	No CSI available		Actions

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PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: J08HAL01 (Log Out)

Maintenance Installation - CA Datacom/DB - MVS/12.0

HOLDDATA Details

Package: RO15227
 FMID: CBDC000
 Date: 2010-09-14
 Class: SYSTEM
 Reason: ACTION
 Required by: All selected CSIs
 Comment: This solution required running DDUPLICATE. Apply this SYSMOD using IPASS(INCLUDESYSTEM(ACTION)). Use the transactions in the BTG1000 downloaded member as input to the D utility. This process will create and catalog a new Dynamic System Table named MUF_SYSTEM_STATS.

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PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: J08HAL01 (Log Out)

Maintenance Installation - CA Datacom/DB - MVS/12.0

Confirm HOLDDATA

Confirm all HOLDDATA to continue the operation. The HOLDDATA will be bypassed.

Package	FMID	HOLDDATA Details	Confirm
RO15227	CBDC000	date(2010-09-14), type(SYSTEM), reason(ACTION)	<input checked="" type="checkbox"/>
RO21129	CBDC000	date(2010-09-14), type(SYSTEM), reason(DGC)	<input checked="" type="checkbox"/>
RO21899	CBDC000	date(2010-10-21), type(SYSTEM), reason(DGC)	<input checked="" type="checkbox"/>

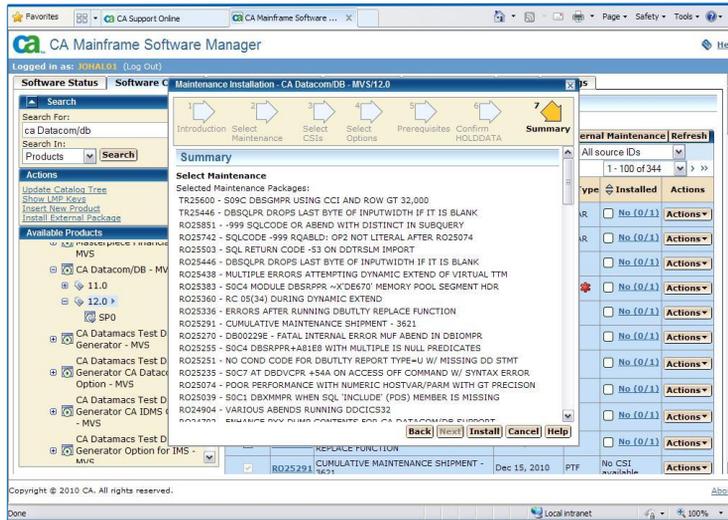
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PTFs and APARs applying maintenance using CA MSM

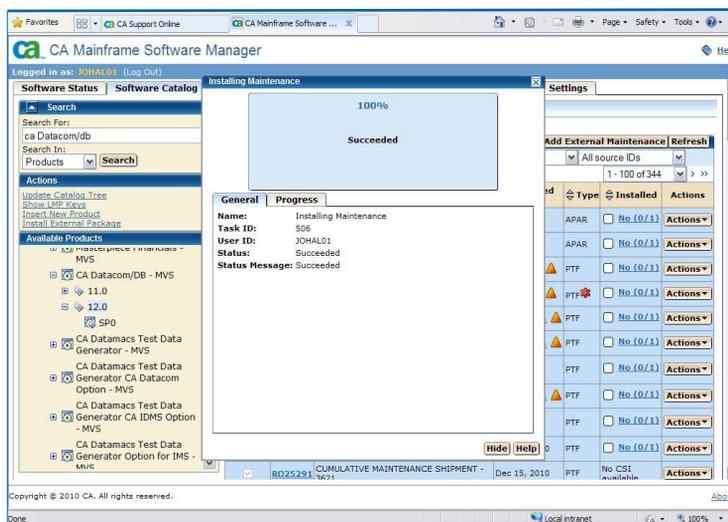


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PTFs and APARs applying maintenance using CA MSM



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PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: JOHAL01 (Log Out)

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

Search For: ca Datacom/db
Search In: Products

Available Products:

- CA Datacom/DB - MVS
 - 11.0
 - 12.0
 - SPO
- CA Datamacs Test Data Generator - MVS
- CA Datamacs Test Data Generator CA Datacom Option - MVS
- CA Datamacs Test Data Generator CA IDMS Option - MVS
- CA Datamacs Test Data Generator Option for IMS - MVS

Maintenance Packages

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	IR25600	509C DBSQMPR USING CCI AND ROW AT 32,000	N/A	APAR	All zones (1)	Actions
<input type="checkbox"/>	IR25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	N/A	APAR	All zones (1)	Actions
<input type="checkbox"/>	RO25851	999 SQLCODE OR ABEND WITH DISTINCT IN SUBQUERY	Jan 7, 2011	PTF	All zones (1)	Actions
<input type="checkbox"/>	RO25742	SQLCODE -999 RQABL2: OP2 NOT LITERAL AFTER RO25074	Jan 6, 2011	PTF	All zones (1)	Actions
<input type="checkbox"/>	RO25503	SQL RETURN CODE -53 ON DDTRSLM IMPORT	Jan 13, 2011	PTF	All zones (1)	Actions
<input type="checkbox"/>	RO25446	DBSQLR DROPS LAST BYTE OF INPUTWIDTH IF IT IS BLANK	Jan 14, 2011	PTF	All zones (1)	Actions
<input type="checkbox"/>	RO25438	MULTIPLE ERRORS ATTEMPTING DYNAMIC EXTEND OF VIRTUAL TTM	Dec 28, 2010	PTF	All zones (1)	Actions
<input type="checkbox"/>	RO25383	50C4 MODULE DBSAPPR -X'DE670' MEMORY POOL SEGMENT HDR	Jan 10, 2011	PTF	All zones (1)	Actions

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PTFs and APARs applying maintenance using CA MSM

CA Mainframe Software Manager

Logged in as: JOHAL01 (Log Out)

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

Search For: ca Datacom/db
Search In: Products

Available Products:

- CA Datacom/DB - MVS
 - 11.0
 - 12.0
 - SPO
- CA Datamacs Test Data Generator - MVS
- CA Datamacs Test Data Generator CA Datacom Option - MVS
- CA Datamacs Test Data Generator CA IDMS Option - MVS
- CA Datamacs Test Data Generator Option for IMS - MVS

Maintenance Packages

Select	Fix #	Description	Confirmed Date	Type	Installed	Actions
<input type="checkbox"/>	RI20416	* CALPA DATASET REQUIREMENT WITH CCS RI2 CAISJM *	Jul 26, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI16009	* DATACOM'S RESPONSE TO IBM RED ALERT: TCP/IP ASYNCHIO *	Mar 9, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI13085	* DOCUMENTATION ON DBPMPR UTILITY *	Nov 18, 2009	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI21596	* EOL - CA VANTAGE SRM INTERFACE FOR ODBC/JDBC *	Aug 23, 2010	PEA/PDC	Not installable	Actions
<input type="checkbox"/>	RI16553	* NEXT VERSION AVAILABILITY *	Mar 18, 2010	PEA/PDC	Not installable	Actions

Select Data Set with Package

Information: Enter the path to the maintenance for CA Datacom/DB - MVS/12.0.

Type of Input Source: Data Set UNIX File

Data Set Name*: JOHAL01.

UNIX Path*:

Buttons: [OK] [Cancel]

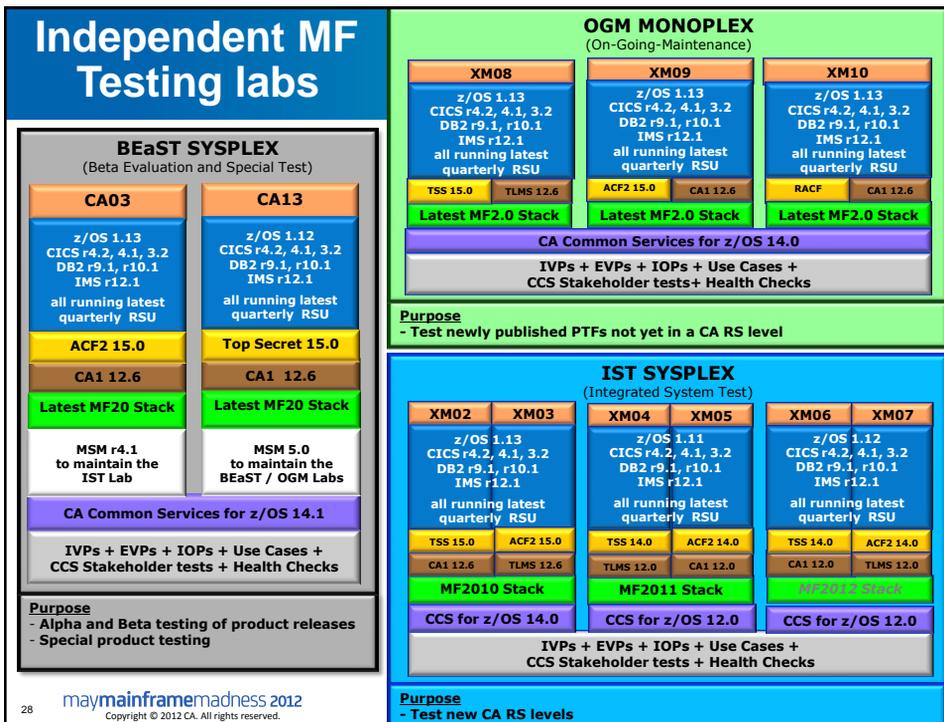
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what is CA Recommended Service (CA RS)?

- CA RS is CA Technologies preventative maintenance methodology that is patterned after IBM's preventative maintenance model, Recommended Service Upgrade (RSU)
- The Independent Testing Labs environment was created at CA to test CA RS PTFs, ongoing maintenance and beta releases.
- The ITL environment runs all supported releases of the z/OS operating system and multiple releases of IBM subsystems (CICS, DB2, IMS) which are maintained at the latest quarterly IBM RSU level, both TSS and ACF2, both CA 1 and TLMS



what is CA Recommended Service (CA RS)?

- CA RS is a collection of PTFs that undergo quality validation in the IST environment over a measured time cycle
- It is delivered quarterly
- Regular PTFs in each quarterly delivery are tested in the IST environment for at least 90 days, the HIPER PTFs for at least 30 days
- Because CA RS provides a new preventative maintenance methodology, service packs are no longer be delivered for the product releases in the CA Technologies Mainframe Stack (CA MSM installable products)

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what is CA Recommended Service (CA RS)?

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what is CA Recommended Service (CA RS)?

CA RS / 1101 PTF LIST by Product

PRODUCT	RELEASE	PTF	IPERS
		RO21145	
		RO21188	
		RO21177	
		RO21176	
		RO21180	
		RO21181	
		RO21281	
		RO21260	
		RO21278	
		RO21378	
		RO21827	
		RO21688	
		RO21738	
		RO21775	
		RO21777	
		RO21784	
		RO22180	**HIPER**
		RO22083	
		RO22384	**HIPER**
		RO22318	
		RO24831	**HIPER**
CA EXTNDGM	12.0	RO14958	
		RO14647	
		RO14748	
		RO14791	
		RO14878	
		RO15227	
		RO15588	
		RO18000	
		RO18143	
		RO18647	
		RO19280	
		RO19856	
		RO19787	
		RO19816	
		RO20204	
		RO20077	
		RO20478	
		RO20527	
		RO20987	
		RO20853	
		RO20786	
		RO21088	

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what is CA Recommended Service (CA RS)?

CA RS / 1101 PTF LIST For CBDC000

PTF	IPERS
RO15227	
RO15988	
RO19290	
RO19656	
RO19797	
RO20479	
RO20587	
RO20786	
RO21088	
RO21100	
RO21329	
RO21420	
RO21466	
RO21787	**HIPER**
RO21846	
RO21982	
RO21982	
RO22004	
RO22020	
RO22030	
RO22220	
RO22258	**HIPER**
RO22546	**HIPER**
RO22550	
RO22637	
RO22975	**HIPER**

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what is CA Recommended Service (CA RS)?

Normal progression from Defect to PTF to CA RS

Defects discovered by Customers or QA result in a PTF.

PTF is validated by the Customer and/or QA.

QA updates their Test Plans and Test Cases as Applicable.

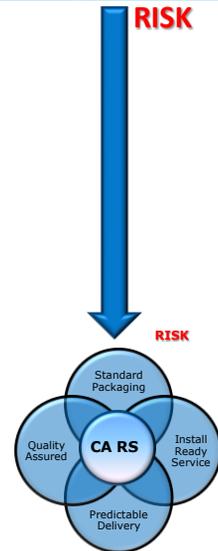
PTF is made available on Customer Support Online (CSO).

IST team applies the PTF onto the IST systems.

PTF is tested for a minimum of 90 days –
30 days in the case of HIPERs and PRPs.

IST testing runs on different combinations of z/OS and RSU levels; SYSPLEX and non-SYSPLEX systems; with test cases for the MF2.0 Stack products; with simulated workloads in CICS, DB2, and IMS.

PTF is included in the next CA RS level.



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what is CA Recommended Service (CA RS)?

CA MSM and CA RS are complementary MF 2.0 solutions to simplify, automate, and save time.

Install

- Product Acquisition Service
- Software Installation Service

Customize

- Software Configuration Service

Deploy

- Software Deployment Service

Maintain

- CA Recommended Service

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what is CA Recommended Service (CA RS)?

CA Mainframe Software Manager
 Logged in as: WU1JA25 (Log Out)

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

New Maintenance Refresh

- Warning: There are 27 new HIPERs for 17 products. [View Details](#)
- Warning: 1047 new maintenance items are available for 60 products. [View Details](#)
- Warning: There are 5 new products, 40 new releases, and no new gen levels available. [View Details](#)
- Warning: There are 2 new CA RS files. [View Details](#)

SMP/E Environments

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

Tasks

- Information: You have no active downloads, installations or deployment tasks.
- Information: There are no tasks awaiting your input.
- Information: There are no tasks in error.

Quick Actions

- SMP/E Environment: [Migrate an Existing CSI](#)
- Miscellaneous: [View CA Support Online Credentials](#), [CA Support Online for CA MSM](#), [CA MSM Compliant Product Matrix](#)

Productivity improvement!

- Provides an immediate status of service with regard to the products in your Software Catalog.
- The searching, researching and downloading of service is done automatically for you.
- Your action is a few mouse clicks when ready!

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Maintenance Status (1 - 10 of 17 >>)

Product Name	New HIPERs
CA ACF2 - MVS	3
CA CMDDB Connector for z/OS - MVS	2
CA Compliance Manager for z/OS - MVS	1
CA Copycat Utility - MVS	1
CA Datacom/DB - MVS	1
CA Disk Backup and Restore - MVS	2
CA Dispatch - MVS	1
CA Endeavor Software Change Manager - MVS	1
CA Mainframe Chorus - MVS	1
CA NetMaster Network Automation - MVS	1

1 - 10 of 17 >> [Close](#)

View Details

Provides a quick list of HIPERs that can be sorted by product or count.

The same applies to the other Software Status Warnings.

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what is CA Recommended Service (CA RS)?

CA Mainframe Software Manager

Logged in as: WILJA25 (Log Out)

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

Search For: []

Search In: [Products] [Search]

Actions: Update Catalog Tree, Show LMP Keys, Insert New Product, Install External Package, Insert New CA RS File, Update Error HOLDDATA

Filter: Show: [All] [Edit]

Available Products: [Products] [CA]

Vendor Information: Update Error HOLDDATA

100% Succeeded

General | Progress

Name: Update Error HOLDDATA
Task ID: 3761
User ID: WILJA25
Status: Succeeded
Status Message: Succeeded

Update Error HOLDDATA
Strongly recommended prior to doing an APPLY of any new service.
 It's quick, it's real time, it prevents potential miscues in processing

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what is CA Recommended Service (CA RS)?

CA Mainframe Software Manager

CA RS Processing

Introduction | CA RS Level | Product/PRDZ | Zones | Download | Select Maintenance | Select Options | Prerequisites | HOLDDATA | SMP/E Work DODEFs | Summary

Select CA RS Level

CA RS Processing

Introduction | CA RS Level | Product/PRDZ | Zones | Download | Select Maintenance | Select Options | Prerequisites | HOLDDATA | SMP/E Work DODEFs | Summary

Zones

Select zones for the selected CSIs.

Select Zones

CA RS Processing

Introduction | CA RS Level | Product/PRDZ | Zones | Download | Select Maintenance | Select Options | Prerequisites | HOLDDATA | SMP/E Work DODEFs | Summary

Summary

40%

Select Maintenance

Selected Maintenance Pt: RO23173 - SASB80HC, RO24294 - SASB80SD, RO24460 - SASB80CA, RO24187 - SASB80CFM, RO24048 - INCORRECT, RO24610 - SASB80DD, RO23696 - SASB80MS, RO23369 - SASB80CT, RO22377 - RESTART BC, RO23968 - SASB80CP, RO24579 - SASB80PM, RO24667 - L33INTF-9, RO22933 - SASB80B - Installation options, Selected installation opt: Perform RECEIVE, APPLY

Prerequisites

No HOLDDATA needs to SMP/E Work DODEFs. There are no SMP/E Work DODEFs to override.

Receiving maintenance RO23173, RO24294, RO24460, RO23968, RO24187, RO24667, RO24579, RO22995, RO22933 - loading output of qshell

Restarting

Restarting maintenance RO23173, RO24294, RO24460, RO23968, RO24187, RO24667, RO24579, RO22995, RO22933

Applying maintenance RO23173, RO24294, RO24460, RO23968, RO24187, RO24667, RO24579, RO22995, RO22933 in CHECK mode in some CAISO

Applying maintenance RO23173, RO24294, RO24460, RO23968, RO24187, RO24667, RO24579, RO22995, RO22933 in some CAISO

Allocation Parameters

Zone Type	Zone Name	Retrieve DODEF	Action
GLOBAL		View SMP/E Work DODEFs	Overwrite
Local	CAISO	View SMP/E Work DODEFs	Overwrite

It's quick, it's easy, it's the way to process services

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what is Aggregate Maintenance?

- Aggregate Maintenance is a new solution type
- Each Aggregate Maintenance Solution contains all published product PTFs (Core Products, CA Ideal, CA Datacom Server, etc.) over a specified period
- It is delivered as a PAX file to make the electronic download of a group of fixes more efficient
- Aggregate maintenance solutions are not cumulative
- Aggregate maintenance solutions are a quicker way to download maintenance in bulk, nothing more

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what is Aggregate Maintenance?

- The keyword AMSOLUTION can be able to be used to search for these solutions
- The updated **Maintenance Grid** under the "Product Status" section of the CA Support Online product home page will link to these solutions
- 8 Aggregate Maintenance solutions have been published to date for our product family:
 - 3 for Core Products 12.0, 1 for 14.0
 - 1 each for Ideal 14.0, IPC 14.0, DBSRV 14.0, DBSTR 12.0

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A word about Error HOLDDATA

- Error HOLDDATA is published for all CA Mainframe products in a central “bucket” on CA Support Online
- It should be downloaded each time you are about to apply maintenance
- Prevents application of a fix that has been found to be “in error” without its correcting fix being applied at the same time
- With the GIMSMP function REPORT ERRSYSMODS, you can learn if any fix you have already downloaded or applied is now “PE” and whether you have the resolving PTF ready to apply
- Error HOLDDATA - Just USE it!

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A word about Error HOLDDATA

The screenshot displays the CA Mainframe Software Manager web interface. The user is logged in as BLAT001. The interface includes a navigation menu with options like Software Status, Software Catalog, SMP/E Environments, Deployments, Configurations, System Registry, Tasks, and Settings. A search bar is present, and the 'Available Products' section shows a tree view with 'CA' selected. The 'Vendor' information panel is open, showing details for the vendor 'CA' with the address 'One CA Plaza, Islandia, NY 11749'. The 'Update HOLDDATA' option is highlighted in the 'Actions' menu.

Name	Description
CA	One CA Plaza, Islandia, NY 11749

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summary keeping your software healthy

- CA MSM
 - Acquire, install, deploy, configure, maintain all CA Mainframe Stack products
 - Increased productivity (GUI-based, time savings, tools, awareness)
- Aggregate Maintenance
 - Download efficiency if you're catching up
- CA RS
 - Integrated Systems Test processes
 - Specified IBM z/OS and RSU levels
 - Predictable quarterly schedule
 - Reduced risk
- Error HOLDDATA
 - Just USE it!
- All based on industry standards from IBM

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thank you

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