

Consolidated Service Test



CST4Q11 (RSU1112)

Revised: February 7, 2012

Prepared by: CST Team

As part of IBM's commitment to quality and continuous improvement, IBM established the Consolidated Service Test (CST) team consisting of cross product test representatives. CST enhances the way IBM tests and recommends maintenance packages for z/OS software, including the major subsystems. In the past, many of the key product families on the z/OS software stacks had different recommended maintenance strategies, with little or no coordination between them. CST has been put in place to address this issue so that you can obtain and install the recommended PTF service level from the CST Web site for z/OS and their key subsystems consolidated into one package. This means you will receive a tested level of service for all of the following products/tools:

- z/OS
- CICS Transaction Server for z/OS
- CICS Transaction Gateway for z/OS
- DB2 Connect
- DB2 for z/OS
- Geographically Dispersed Parallel Sysplex (GDPS/PPRC)
- IMS
- IRLM
- JAVA
- WebSphere Application Server for z/OS
- WebSphere MQ for z/OS
- IBM DB2 and IMS Tools
- IBM Tivoli Composite Application Manager for Transactions
- IBM Tivoli OMEGAMON
- TKLM (Tivoli Key Lifecycle Manager)
- z/OS Problem Determination Tools

Note: For a complete list of products/tools and levels tested, please refer to the *What Service was Installed* section.

We provide these recommendations free of charge to all z/OS customers. Note that CST testing is performed in addition to existing test criteria and does not replace any current Quality Assurance processes performed by other products.

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What is the CST Environment?

2817-M66 (R131)	Microcode at Driver 93G + MCL bundle 01 with CFCC N48162.001 (R17 srv lvl 4.15) <ul style="list-style-type: none"> • 11 LPARs running z/OS • 50 general processors shared amongst all 11 LPARs, 4 ICF processors, 6 zIIPs and 6 zAAPs logical processors • 4864 for 1 MVS LPAR • 14848M Central Storage for 4 z/OS LPARs • 10240M Central Storage for 6 z/OS LPARs • 2 CFs with 20G storage at CFCC level 17 and 2 dedicated processors each
2817-E26 (R134)	Microcode at Driver 79F + MCL bundle 34 with CFCC code N24403.006 (R16 srv lvl 2.25) <ul style="list-style-type: none"> • 5 LPARs running z/OS • 10496M Central storage for 3 z/OS LPARs • 2 GDPS control images with 3840MB Central storage running z/OS
2097-E40 (H87)	Microcode at Driver 79F + MCL bundle 47A with CFCC code N24403.011 (R16 srv lvl 4.03) <ul style="list-style-type: none"> • 4 LPARs running z/OS • 1 CF with 20G storage at CFCC level 16 and 2 dedicated processors
2094-S54 (D32)	Microcode at Driver 67L + MCL bundle 51 with CFCC code G40953.014 (R15 srv lvl 2.11) <ul style="list-style-type: none"> • 42 General processors on all LPARs, 4 ICF processor • 2 z/OS Images with 10240M of Central Storage each • 2 CFs with 20G storage at CFCC level 15 and 2 dedicated processors each
Automated Tape Library (ATL)	3495 <ul style="list-style-type: none"> • Library Manager with OS/2 WARP • 16 3590 tape drives, ESCON and FICON-attached • 8 3590 tape drives, ESCON-attached • 16 3592 tape drives, FICON-attached
Virtual Tape Server (VTS)	3494 B20 VTS <ul style="list-style-type: none"> • AIX with VTS CU • 32 emulated 3490 addresses in this VTS • 6 VTS 3590 drives (not directly accessible from z/OS) • 16 3590 tape drives are accessible from z/OS (FICON)
DASD (2105) 800= 28211, 28355, 28644 DASD (2107/242x) DS8000=2107 25030 (SQ00)	3 Enterprise Storage Server 800 (Shark). Microcode level is 2.4.4.151 (R2i.8b080215a)

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<p>DS8000=2421 Y2430 (SQ13) DS8000=2421 Y4360 (SQ14) DS8000=2421 FA820 (SQ18) DS8000=2421 FB240 (SQ19)</p>	<p>5 Enterprise Storage Server DS8000. Microcode level is 64.33.20.0 (R12p.9b101014b)</p>
<p>GDPS</p>	<p>Configuration info: in one environment, we simulate two logical sites by using 20K of fiber between the two DWDMs, through which all the cross-site links, including the PPRCs links, are sent. In another environment, we do not have any DWDMs or additional fiber, and the designation of site1 and site2 is purely logical.</p>
<p>Lan attached</p>	<p>Both SNA and TCPIP</p>
<p>Data Sharing Groups</p>	<ul style="list-style-type: none"> • 4 Way CICS/DB2 utilizing WAS/CTG/MQ and incorporating CICS Shared Temporary Storage CF Servers • 6-way DB2/CICS • 6-way -- DB2, CICS, WebSphere MQ, WAS, IMS • 3-way -- DB2, DRDA Client (AIX - DB2 Connect) (DB2 V9CM) • 3-way -- DB2, JES3 DB2 Tools • (2) 4-way DB2/CICS • 4-way DB2, CICS, WebSphere MQ, WAS, IMS, DRDA Client (AIX -DB2 Connect), OMEGAMON • 4-way -- DB2, CICS, WebSphere MQ, WAS, IMS, OMEGAMON • 6-way DB2/WAS • (2) 4-way DB2/WAS • (2) 4-way DB2/WAS via CTG/CICS

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	<ul style="list-style-type: none">• 2-way DB2 for system back-up, restore and recovery testing • 6-way CICS/VSAM-RLS and non-RLS• (2) 4-way CICS/VSAM-RLS and non-RLS• (2) 4-way TVS batch setup • 6-way IMS/TM• (2) 4-way IMS/TM• (2) 4-way IMS FastPath • 4-way IMS/OTMA SMQ Cascading Transactions• 6-way IMS/OTMA SMQ Cascading Transactions • (2) IMS Connect Stress Test using Sysplex Distributor • 6-way IMS/CICS• (2) 4-way IMS/CICS • 6-way WebSphere MQ/DB2 using Shared Queues (Note: DB2 used for Administration and Data Storage purposes)• (2) 4-way WebSphere MQ/DB2 using Shared Queues and Clustering (Note: DB2 used for Administration and Data Storage purposes) <p>3-way DB2 Connect Application running DB2 Coexistence mode.</p> <p>Background workloads to exploit CICS CF Servers (Shared Temporary Storage, Coupling Facility Data Tables and Named Counter Server)</p>
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NOTES:

- Dedicated (24x7)

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What Service was Installed:

NOTE: Refer to Appendix A for a list of the excluded maintenance due to unresolved PE fixes.

Product/Tool	Maintenance Level
- CICS Transaction Gateway V7.1.01 (z/OS) - CICS Transaction Gateway V7.2 (z/OS)	All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.
- CICS TS 3.2 - CICS TS 4.1 - CICS Interdependency Analyzer for z/OS V2.1	All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.
- DB2 V9 - DB2 V10	All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.
- DB2 Connect V9.7 Fixpack 5 - DB2 Connect V9.5 Fixpack 8	<p>All validation scenarios use Enterprise Edition for Connect Gateway. DB2 remote clients -> DB2 Connect Gateway -> DB2 for z/OS servers DB2 local clients on DB2 Connect Gateway -> DB2 for z/OS servers</p> <p>DB2 Connect Gateway uses the following service levels: - DB2 Connect 9.7 Fixpack 5 - DB2 Connect 9.5 Fixpack 8</p> <p>DB2 remote clients include uplevel clients and downlevel clients as well as DB2 DSDRIVER: - V9.7 FP1 to FP5, V9.5 Fixpack 1 to Fixpack 8, V9 .1 Fixpack 5 to Fixpack 9 clients in the V9.7 Fixpack 5 DB2 Connect Gateway scenarios - V9.7 FP4 to Fixpack 5, V9.5 Fixpack 2 and Fixpack 8, V9.1 Fixpack 3 and Fixpack 10 clients in the V9.5 Fixpack 8 DB2 Connect Gateway scenarios DB2 Connect Gateway and clients run on the following distributed platforms: - AIX 64bit 6.1 TL2 - z/Linux SLES 10 - Windows 2003 32bit Server SP2 - Windows 2003 64bit Server SP2 - Windows 2008 64bit Server</p> <p>Even though we utilized AIX, z/Linux, Windows Connect Gateway and clients in our configuration, this report is valid for all other operating systems. For other Operating System pre-requisites, please visit http://www.ibm.com/software/data/db2/9/sysreqs.html</p> <p>DB2 Connect concentrator, automatic client reroute, workload balance, and sync point manager features were tested in the validation scenarios. Application interfaces include CLI, ADO.NET, JCC type 4, and JCC type 2. The CLI scenarios test DB2 CLI driver on distributed platforms. The ADO.NET scenarios test DB2 .NET data provider with .NET framework 1.1 and 2.0 on Windows. The JCC scenarios test JCC driver and IBM WebSphere Application Server with J2EE applications (EJB, servlet, JSP, JMS) on distributed platforms. XA feature was tested in both ADO.NET and JCC scenarios. The</p>

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	<p>ADO.NET XA scenario used Microsoft Transaction Server as the transaction manager. The JCC XA scenario used IBM WebSphere Application Server 6.1.0.35 and 7.0.0.15 as the transaction manager.</p> <p>JCC type 4 trusted connection feature was tested with IBM WebSphere Application Server 7.0.0.15 in the V9.5 Fixpack 8 and V9.7 FP5 DB2 Connect Gateway -> DB2 for z/OS V9.1 NFM and V10 CM scenarios.</p> <p>DB2 z/OS service includes all service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>
<p>z/OS Problem Determination Tools</p> <ul style="list-style-type: none"> - Application Performance Analyzer Version 11 Release 1 - Application Performance Analyzer Version 10 Release 1 - Debug Tool for z/OS Version 11 Release 1 - Debug Tool for z/OS Version 10 Release 1 - Fault Analyzer for z/OS Version 11 Release 1 - Fault Analyzer for z/OS Version 10 Release 1 - File Manager for z/OS Version 11 Release 1 - File Manager for z/OS Version 10 Release 1 - Rational Developer for zSeries Version 7 	<p>All service through the end of November 2011, not already marked RSU.</p>
<ul style="list-style-type: none"> - GDPS V3.7 - GDPS V3.8 	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>
<p>IBM Tivoli</p> <ul style="list-style-type: none"> - IBM Tivoli Monitoring Services on z/OS V6.2.2 - IBM OMEGAMON z/OS Management Console V4.1.0 - IBM Tivoli OMEGAMON XE for CICS on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE for CICS Transaction Gateway on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V5.1.0 - IBM Tivoli OMEGAMON XE for IMS on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE for Mainframe Networks V4.2.0 - IBM Tivoli OMEGAMON XE for Storage on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE for 	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>

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<p>Messaging on z/OS V7.0.0 - ITCAM for Transactions, File Transfer Enabler for z/OS V7.1.0</p> <p>- Tivoli Management Services on z/OS V6.2.0 - IBM OMEGAMON z/OS Management Console V1.1.0 - IBM Tivoli OMEGAMON XE for CICS on z/OS V4.1.0 - IBM Tivoli OMEGAMON XE for CICS Transaction Gateway on z/OS V4.1.0 - IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V4.2.0 - IBM Tivoli OMEGAMON XE for IMS on z/OS V4.1.0 - IBM Tivoli OMEGAMON XE for Mainframe Networks V4.1.0 - IBM Tivoli OMEGAMON XE for Storage on z/OS V4.1.0 - IBM Tivoli OMEGAMON XE on z/OS V4.1.0 - IBM Tivoli OMEGAMON XE for Messaging on z/OS V6.0.1 - IBM Tivoli ITCAM for Transactions 7.2.0.1</p>	
<p>- IMS V10 - IMS V11</p>	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>
<p>- IRLM 2.2 - IRLM 2.3</p>	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>
<p>IBM DB2 and IMS Tools <u>DB2 Tools:</u> - Administration Tool for z/OS V10.1 and V7.2 - High Performance Unload for z/OS V3.2 and V4.1 - Object Comparison Tool for z/OS V10.1 and V7.2 - InfoSphere Replication Server V9.1 and V10 <u>IMS Tools:</u> - High Performance Fast Path Utilities 3.2 - High Performance Load V2.1 - High Performance Unload V1.1 - High Performance Image Copy V4.1 - Library Integrity Utility V1.1 - High Performance Pointer Checker V2.1</p>	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>

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<ul style="list-style-type: none"> - High Performance Prefix Resolution V3.1 - IMS Index Builder 2.3 - IMS Performance Analyzer 4.1 - Batch Terminal Simulator 3.1 - IMS HP Fast Path Utilities 2.2 - IMS Database Repair Facility 1.2 - IMS Queue Control Facility 3.1 	
<ul style="list-style-type: none"> - IBM 31-bit SDK for z/OS, Java 2 Technology Edition, V5, service level SR 12 FP5 (PTF UK69795) - IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V5 service level SR 12 FP5 (PTF UK69796) - IBM 31-bit SDK for z/OS, Java Technology Edition, V6, service level SR9 FP2 (PTF UK69345) - IBM 64-bit SDK for z/OS, Java Technology Edition, V6, service level SR9 FP2 (PTF UK69389) 	<p>All service through the end of November 2011 not already marked RSU.</p>
<p>WebSphere Application Server for z/OS</p> <ul style="list-style-type: none"> - V6.1.0 service level 6.1.0.41 build level cf411140.02 - V7.0.0 service level 7.0.0.19 build level cf191132.09 	<p>WAS V6.1.0 - All service through PTF UK73107</p> <p>WAS V7.0.0 - All service through PTF UK71311</p>
<ul style="list-style-type: none"> - WebSphere MQ V6 - WebSphere MQ V7.0.1 	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>
<ul style="list-style-type: none"> - z/OS V1R11 - z/OS V1R12 - z/OS V1R13 	<p>All service through the end of September 2011 not already marked RSU. PE resolution and HIPER/Security/Integrity/Pervasive PTFs and their associated requisites and supersedes through the end of November 2011.</p>

Roll-out of CST4Q11:

IBM recommends that the Customer stage the roll-out of the quarterly recommended service upgrade (RSU) by product on any single system, and not change all the major products (such as z/OS, DB2, IMS, CICS, CTG, DB2 Connect, GDPS, Java, WebSphere MQ, WebSphere Application Server for z/OS, IBM DB2 and IMS Tools, IBM Tivoli OMEGAMON, IBM Tivoli Composite Application Manager for Transactions, TKLM (Tivoli Key Lifecycle Manager) and z/OS Problem Determination Tools) all at once. Changing all the major products in a single system simultaneously complicates the tasks of problem diagnosis and back-out, if a severe problem occurs.

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Additionally, IBM recommends that the Customer thoroughly test the maintenance level applied, including testing in a parallel sysplex application data sharing environment.

IBM makes this recommendation based on our testing in the environment described in this report. Your environment and applications are likely to differ in numerous ways. Therefore, your results may be different than ours. The Customer must consider their environment, their maintenance philosophy and their production needs in making the final decision on what maintenance to apply, and how you roll this maintenance out in your environment.

What's New

As part of IBM's continuing efforts to provide Customers with suggestions on maintaining their z/OS systems for availability, we have provided a new document which describes a *z/OS Preventive Maintenance Strategy to Maintain System Availability*.

A link to the document can be found on the "links" page of the CST website:

<http://www-03.ibm.com/systems/z/os/zos/support/servicetest/links.html>

or can be directly accessed at:

http://www-03.ibm.com/systems/resources/zos_preventive_maintenance_strategy.pdf

Highlights of CST4Q11

This quarterly CST focused on enhancements to the environment and workloads. This included:

- Additional product(s)
- Additional tool(s)
- Additional product / tool scenarios
- Additional workloads / applications
- Workloads run continuously
- Service applied, as needed

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Some highlights follow:

- CICS
 - (Updated) - Increased the complexity and size of the CPSM environment to increase the throughput within CPSM.
 - (In Progress) - Testing use of CICS IPIC (CICS to CICS connectivity over TCP/IP) between regions
 - (In Progress) - We are performing migration testing with the installation of CICS/TS V4.2

- DB2
 - (Added) One 4 way was migrated to V10NFM

 - (Added) One 4-way was migrated to V10CM and coexist with V9

 - (Added) One 6-way migrated to V9NFM

 - (Added) One 3-way migrated to V9CM

 - (Added) 3-way to V10 coexist V9

 - (Added) 3-way to V10 NFM

- IBM DB2 and IMS Tools:
 - DB2 Tools:
 - (Added) High Performance Unload V3.2 was tested with DB2 V9

 - (Added) High Performance Unload V4.1 was tested with DB2 V10

 - (Added) Administration Tool for z/OS V7.2 was tested with DB2 V9

 - (Added) Administration Tool for z/OS V10.1 was tested with DB2 V9 and V10

 - (Added) Object Comparison Tool for z/OS V7.2 was tested with DB2 V9

 - (Added) Object Comparison Tool for z/OS V10.1 was tested with DB2 V9 and V10

 - (Added) InfoSphere Replication Server V10.1 (see <http://www.ibm.com/developerworks/data/roadmaps/qrepl-roadmap.html>), and it was tested with DB2 V10 for z/OS conversion mode , as well as MQ Series Version 7.
 - (In Progress) InfoSphere Replication Server V9 was tested with DB2 V9 for z/OS, as well as MQ Series Version 7.



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Among the tests performed:

- Replication test with TERM=Y was performed while DB2 and MQ Series were stopped Q
- Replication test was performed for mass delete 2GB transaction. Q

- IMS Tools:

- (Added) IMS High Performance Pointer Checker 3.1
- (Added) IMS Database Repair Facility
- (Added) IMS Query Control Facility 3.1

- IBM Tivoli

- Added) We have installed and are testing the following:
 - IBM OMEGAMON z/OS Management Console V1.1.0 and V4.1.0
 - IBM Tivoli Monitoring Services on z/OS V6.2.0 and V6.2.2
ITCAM for Transactions, File Transfer Enabler for z/OS V7.1.0
 - IBM Tivoli OMEGAMON XE for CICS on z/OS V3.1.0 and V4.1.0
OMEGAMON for CICS
OMEGAMON II for CICS (CUA Interface)
 - IBM Tivoli OMEGAMON XE for CICS Transaction Gateway on z/OS V4.1.0
 - IBM Tivoli OMEGAMON XE for IMS on z/OS V4.1.0 and V4.2.0
OMEGAMON for IMS
OMEGAMON II for IMS (CUA Interface)
 - IBM Tivoli OMEGAMON XE for Mainframe Networks V4.1.0 and V4.2.0
OMEGAMON II for Mainframe Networks (CUA Interface)
 - IBM Tivoli OMEGAMON XE for Storage on z/OS V4.1.0 and V4.2.0
OMEGAMON II for SMS (CUA Interface)
 - IBM Tivoli OMEGAMON XE on z/OS V4.1.0 and V4.2.0
OMEGAMON for MVS
OMEGAMON II for MVS (CUA Interface)
OMEGAMON II for MVS CSA Analyzer

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OMEGAMON II for MVS Epilog Collector

OMEGAMON II for MVS Historical Data Interface

OMEGAMON II for MVS Zoom to Epilog

- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V5.1.0

- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V4.2.0

- (Added) We have installed and are testing the following:

- IBM Tivoli OMEGAMON XE for Messaging on z/OS V7.0.0

- OMEGAMON XE for WebSphere MQ Monitoring

- OMEGAMON XE for WebSphere MQ Configuration

- IBM Tivoli OMEGAMON XE for Messaging on z/OS V6.0.1

- OMEGAMON XE for WebSphere MQ Monitoring

- OMEGAMON XE for WebSphere MQ Configuration

- IBM Tivoli ITCAM for Transactions 7.2.0.2

- IMS:

- (Completed) Completed the install and are testing IMS V12

- (In Progress) Testing IMS V12-IMS V11 in coexistence mode on a 4-way SQ and a 4-way non-SQ datasharing groups.

- WebSphere Application Service for z/OS

- (In Progress) We are in the process of installing WebSphere Application Server for z/OS V8.0

- WebSphere for MQ:

- (In progress) Preparing to install and upgrade to WebSphere MQ V7.1.0

- z/OS:

- (In progress) Set up SMF logstream recording

- (Completed) Set up full STP (Server Time Protocol) on processors

- z/OS Problem Determination Tools (formerly known as eServer zSeries AD Tools):

- (Added) Application Performance Analyzer Version 11 Release 1

- (Added) Debug Tool for z/OS Version 11 Release 1

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- (Added) Fault Analyzer Version 11 Release 1
- (Added) File Manager Version 11 Release 1
- CICS, CTG, DB2, IMS, WebSphere MQ, WAS and z/OS recovery scenarios performed

Problems Encountered during CST4Q11:

The APARs listed in the table below represent the problems the CST team encountered during the quarterly test; however, if a problem was encountered and corrected for this recommendation, it will not be listed in the table below. The APARs listed below are either open, or their associated PTFs were not yet available for testing in the CST environment prior to this recommendation.

Customers should verify APAR status through normal means.

Note: Consolidated Service Test does not replace the regular service procedure. If a problem is encountered with product code, you should report the problem to IBM support.

CICS/TS 4.1.0	
PM47557	Abend0C4 may occur in EYU0WNRS during the termination process
PM53735	EYUNX0013E transaction CODB invalid value EYU9DEBUG option program
PM53925	DFHAC2206 CLDM ABEND AEZD in CMAS when program EYU9XLLM is autoinstalled
PM53938	The transaction WMWD is not in the member EYU\$CDEF of the SEYUSAMP library
CS/390 V1D0	
PM52900	Abend0C9 in EZBTCSND or EZBTCFWR
DB2 V10	
PM39405	REORG of compressed table space receives AbendU0046 sort capacity error due to incorrect average row length
PM49672	Abend04E RC00C90101 with DSNISHPI:500A
PM49824	Abend04E RC00C200C6 DSNB1RWI +X'1204' during a load resume after a mass delete
PM51311	Abend04e RC00c90101 DSNIROBD:5003 from query because system page for OBD record was all zero
PM52012	SUPPORT REORG LIST PROCESSING IN V10
PM52212	Abend04E RC00E508A1 during fast log apply
DFSMS B10	
OA37503	VSAM DYNAMIC RPL DUMP for CA RECLAIM FDBK 0108006D broken index in mixed release environment
IMS V11	
PM47976	AbendA78 RC10 during IMS CONNECT shutdown
PM52722	Abend0C4 in DFSRDBL0 attempting to log an update already made to an index (KSDS)
IMS V12	

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PM53465	ECSA storage creep DBFMSEG3 blocks stranded
JES 3 V1R13	
OA38268	Abend0C4 in IATGRSP
OA38292	AbendD1FB RC43
ITCAM V7.3.0	
OA37731	Support for IMS V12
WAS V8	
PM52360	This APAR provides a cumulative list of the documentation issues for November that affect users of IBM WebSphere Application Server Version 8.0.
z/OS V1R12	
OA36423	Global recovery incorrectly issues a WEB recovery dump, when it is verifying an Enclave SRB WEB or an SSRB WEB for an Enclave SRB whose Enclave has terminated
z/OS V1R13	
OA37743	Possible system abends and spin loop after STP migration
OA38128	RSM PFTEs are invalidly dequeued in a double free to residual data

How is the Customer going to obtain and install the CST4Q11 level of service?

Please proceed to the CST website for the steps involved.

The URL is <http://www-03.ibm.com/systems/z/os/zos/support/servicetest/>

For Questions and Comments

To submit questions or comments regarding Consolidated Service Test or the CST Web site, please use the feedback form on the CST web site (URL is: <http://www-03.ibm.com/systems/z/os/zos/support/servicetest/contact.html>)

Appendix A: Excluded Maintenance

z/OS V1R11

EXCLUDEs (UA62487
UA62985
UA63209)

z/OS V1R12

EXCLUDEs (UA62488
UA62986
UA63210)

z/OS V1R13

EXCLUDEs (UA62489
UA62987
UA63211)

OMEGAMON XE for z/OS V4.2.0

EXCLUDE (UA62871)