



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

Information Management
software



DB2 9 for z/OS
Secure Information
Services You Can Trust

OS/390
z/OS



Actual news
and information

literature / brochures / education / documents

Disclaimer: This is not a complete list!

This newsletter will provide the actual available information I collected **AS IS**.

I get it from several sources to give you some hints. It is my goal that you get an overview of the most important information for planning and installing SAP on IBM System z with DB2 for z/OS with this newsletter.

My plan is to send an updated newsletter on a **quarterly** base, hot messages excluded. Hot messages will be send immediately when there is a need to send them.

This is edition 2009Q1!

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Comments and/or additional input will be appreciated.

New information is marked **“red”**.



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Major changes and information in this version (2009Q1):

Overview of 2009Q1 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004**
- 2. New Database Administration Guide for SAP and DB2 for z/OS available from SAP Service Marketplace for SAP NetWeaver 7.0, SAP Netweaver 7.1 and above**
- 3. New SAP Technical Document available:
SAP for Insurance on System z Reference Architecture**
- 4. New IBM Technical Document available:
“SAP® Application Server Consolidation on IBM System z™: Opportunity, Metrics, and Case Studies” has been published!**
- 5. New IBM Technical Document available:
Techdocs paper: " SAP® Enterprise Portal on IBM System z® Performance Report” has been published!**
- 6. New IBM Technical Document available:
Techdocs paper: "IBM System z® and System Storage DS8000: Accelerating the SAP® Deposits Management Workload With Solid State Drives" has been published!**
- 7. New IBM Technical Document available:
“Unicode™ Migration of SAP® on IBM System z®: Evaluation of Fastload for Import” has been published!**
- 8. Updated IBM Technical Document available:
“Tuning SAP on DB2 for z/OS on System z” new version has been published!**
- 9. New IBM Technical Document available:
“SAP using DB2 on z/OS: PSA Table Partitioning Considerations and Planning” has been published!**
- 10. New IBM Redbook available:
"Infrastructure Solutions: SAP IS Automotive on an IBM Platform”**



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- 11. Updated Redbook will be published soon, draft already available:
“SAP on DB2 9 for z/OS:
Implementing Application Servers on Linux for System z”**
- 12. Education Info for SAP on z/OS has been updated for 2009,
free of charge courses of ADM530 available in Montpellier and Dallas!**
- 13. End of Support for DB2 Connect V8 is coming soon (end of April 2009)!**
- 14. Information about fast load with load utility and USS fifos has been updated:
SAP Note 1062976**
- 15. DB2 V9 for z/OS:
Compression rate after reorg when migrating from DB2 V8 to DB2 v9: If you
migrate your DB2 system from DB2 V8 to V9 for certain compressed tables the
compression rate deteriorates after running the REORG utility. Note [1309153](#)
describes the solution on this.**
- 16. Selected new or updated SAP Notes related to SAP on System z**



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Details of 2009Q1 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004, both updated March 24, 2009 and March 13, 2009, available from SAP Service Marketplace, for some details please see page 37 ff**
- 2. New Database Administration Guide for SAP and DB2 for z/OS available from SAP Service Marketplace for SAP NetWeaver 7.0, SAP NetWeaver 7.1 and above, for more details please see page 36 ff**

**3. New SAP Technical Document available (February 2009):
SAP for Insurance on System z Reference Architecture**

Additionally to the already in 2008 published SAP for Banking on System z Reference Architecture now the SAP for Insurance on System z Reference Architecture has been published. This document describes the reference architecture of SAP for Insurance on IBM System z® and focuses on the system infrastructure for SAP for Insurance. It is a guideline for how best to implement and run SAP for Insurance solutions on IBM System z to meet our customers' stringent infrastructure needs. This guide is based on real-world experiences gained at high-end SAP for Insurance implementations at insurance companies worldwide.

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/806914a9-16df-2b10-96a0-ec0b1296f10>

**4. New IBM Technical Document available:
“SAP® Application Server Consolidation on IBM System z™: Opportunity, Metrics, and Case Studies” has been published (March 2009)!**

Abstract: SAP customers never run just one SAP system – they run many. Part of the reason is that each production SAP system is part of a “flock” of SAP systems with associated non-production systems. These associated non-production SAP systems are for purposes such as development, test, training, and quality assurance. Customers may also have several of these flocks to service different geographies, lines of business, and functions such as SAP's Business Intelligence Warehouse (BW). More recently, SAP has been introducing “confederations” of production systems. For example, SAP is beginning to require certain infrastructure SAP systems such as Enterprise Portal, Solution Manager, and Master Data Management. Some of SAP's industry solutions, such as Retail, also require an associated BW system for operations. The result of all this is that the total number of SAP systems at each customer is growing over time.

This means that the total number of servers is growing as well – especially for large customers. However, typically these servers, especially the SAP Application Servers, have relatively low average utilization. If the peak utilizations happen at complementary times, these might be excellent candidates for server consolidation.



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Over the past few years, the author has collected extensive utilization data from a dozen installations, both IBM and external customers, to investigate and quantify the opportunity for consolidating SAP Application Servers onto IBM's System z. The purpose of this paper is to discuss the opportunity in general, the data collection methodology, the development of appropriate metrics for quantifying consolidation opportunity, the necessary server virtualization characteristics, the results of the analysis, and conclusions.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101169>

5. New IBM Technical Document available:

Techdocs paper: "SAP® Enterprise Portal on IBM System z® Performance Report" has been published (March 2009)!

Abstract: The IBM Poughkeepsie SAP Performance Evaluation on System z team undertook evaluating the performance of the SAP Enterprise Portal on System z to learn about and gain experience with the SAP Application Server (AS) Java stack, as well as to measure the performance of running the SAP Enterprise Portal on System z. When we started this project, SAP's direction was to develop new applications using Java instead of ABAP. The only Java application available with standard benchmarks provided by SAP was the SAP Enterprise Portal. Therefore, we decided to implement the SAP Enterprise Portal and the Employee Self-Service workload. We used this workload to do a stress test – not a SAP certified benchmark. This gave us a good showcase for showing the power of Linux on System z. We explored tuning options, collected performance data, and proved scalability on System z when running the SAP Enterprise Portal. Our study started on a z900, then moved to a z990, and finally to a z10. What we found is that from the z900 to the z10 the workload ran exactly the same. There was of course more capacity and better response time as we tested on newer, faster systems. We demonstrated that the SAP Enterprise Portal and the Employee Self-Service workload performed well on all the System z mainframes on which it was tested. Performance tuning practices that we implemented on the z900 also improved performance on the z990 and z10 when applied there.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101448>

6. New IBM Technical Document available:

Techdocs paper: "IBM System z® and System Storage DS8000: Accelerating the SAP® Deposits Management Workload With Solid State Drives" has been published (March 2009)!

Abstract: This paper describes several measurements of the SAP Deposits Management application we performed comparing storage subsystems with these technologies. IBM's storage group provided us with a pre-release version of IBM System Storage DS8300 with both SSDs and HDDs. We wanted to see the possible effects in a customer-like application environment. As the usage of different files varies, we also wanted to experiment with placement of different files on the different technologies. We took a balanced approach by not optimizing just one performance metric at the expense of many others. The results show for an On-Line Transaction Processing (OLTP) workload significant improvement in several different metrics using a storage subsystem with both HDDs and SSDs. As we had hoped, we found additional benefits for SSD using zHPF because of its more efficient execution of small block I/O requests.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101442>



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7. New IBM Technical Document available

**“Unicode™ Migration of SAP® on IBM System z®:
Evaluation of Fastload for Import” has been published (November 2008)!**

Abstract: The normal process for the import is that one or more Standard Import processes are started on the application server that owns the files with the exported data. These processes load the data into the target database using INSERT SQL-statements. In the common case for most large SAP installations, a three-tier system, the INSERT statements are sent over the network to the target database. This procedure requires CPU resources on the DB Server and, because of the network latency, long elapsed times for single threaded processing.

For SAP installations using DB2 for z/OS, these issues can be minimized by using a Fastload process that facilitates larger amounts of data to be sent at once over the network. This data are subsequently loaded into the database using the DB2 LOAD utility, instead of INSERT statements. This paper describes a set of measurements of the Standard Import and the Fastload processes. We concentrated on this portion of the Unicode migration because it is lengthy and requires the SAP system be shut down. Not only do we compare the two options, we also investigated the scalability of the Fastload process.

<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101350>

**8. Updated IBM Technical Document available (November 2008)
Tuning SAP on DB2 for z/OS on System z**

Abstract: Performance analysis and tuning guide for SAP on DB2 UDB for OS/390 and z/OS. The paper describes how to analyze performance indicators for SAP with DB2, and it contains examples of typical problems and processes used to analyze them.

<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP100287>

9. New IBM Technical Document available (November 2008)

SAP using DB2 on z/OS: PSA Table Partitioning Considerations and Planning

Abstract: SAP BI takes advantage of the new automation in DB2 V8 for automatically adding partitions and rotating them for PSA tables. It is necessary to do some planning on table size and number of partitions in order to establish a DSSIZE for the table. The PSA requests processing will take advantage of these new DB2 V8 features prior to starting the requests processing. This presentation describes how SAP uses the autonomies built into DB2 V8 and provides SAP settings and documentation to reference for planning the DSSIZE to ensure a PSA table will always be able to grow to meet the business needs.

<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/TD103911>



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10. New IBM Redbook available

**"Infrastructure Solutions: SAP IS Automotive on an IBM Platform"
SG24-7540-00, December 2008**

Abstract: This redbook documents a joint SAP-IBM Proof of Concept for a well-known manufacturer in the auto industry. The company wanted to implement SAP's Automotive Solution portfolio, was transitioning from a "make-to-stock" to a "make-to-order" strategy, and wanted to ensure that the SAP software and IBM infrastructure could handle the stringent timeframes. The Proof of Concept was done using IBM System z and DB2 for z/OS as the SAP database server, with System p and IBM BladeCenter blades as SAP Application servers, and IBM DS8300 for the SAP storage. The auto company had four Key Performance Indicators that they needed to meet including Rapid Planning Matrix (RPM), Material Requirement Planning (MRP), Backflush (BL), and Material Ledger (ML). One cool aspect of the POC is that initially the Backflush process was taking too long. IBM identified the processes that could be parallelized and SAP created a local modification that allowed the processes to run in parallel on System z and meet the customers KPI targets. The speedup in performance for the Backflush was roughly 400%! Another interesting aspect was the performance measurements with and without data compression. There were significant performance benefits in using data compression so that more data could be held in the System z main memory and avoid disk I/O's.

<http://www.redbooks.ibm.com/abstracts/sg247540.html?Open>

11. Updated Redbook will be published soon, draft already available:

**SG24-6847-01 , "SAP on DB2 9 for z/OS:
Implementing Application Servers on Linux for System z"**

<http://www.redbooks.ibm.com/redpieces/abstracts/sg246847.html?Open>

12. Education Info for SAP on System z has been updated

First of all, two upcoming, free of charge, ADM530 courses, have been announced: IBM with the Americas Advanced Technical Support (ATS), the SAP Tiger team & SCSC are pleased to announce a class for 2009:

SAP NetWeaver on DB2 UDB for z/OS: Database Administration (SAP course ADM530)

This free of charge, advanced, hands-on course will be held at two locations:

at the IBM Technology Exploration Center in Dallas, TX, U.S.A., from May 11 - 15, 2009,

Enrollment: To register please send an email to Rajeev Kamath

(E-mail: rvkamath@us.ibm.com), and include your E-Mail address, phone number, and job title. Enrollment will be on first come first served basis.

and

at IBM Montpellier PSSC, France, from May 25-29, 2009.

Enrollment: To register please send an email to Philippe Deverge

(E-mail: deverge@fr.ibm.com), and include your E-Mail address, phone number, and job title. Enrollment will be on first come first served basis.



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**Additionally the SAP Note 158875 has been updated in mid of March 2009 for other available courses for SAP on System z in 2009.
Please see page 53 ff.**

13.End of Support for DB2 Connect V8 is coming soon!

DB2 Connect V8 (as a component of the DB2 LUW V8 product) is running out of support at the end of April 2009.

If you are actually running DB2 Connect Version 8 please consider to upgrade to DB2 Connect Thin Client V9 (V9.5 recommended) soon!

please see document “Streamlining DB2 Connect for SAP”

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/207c5c32-51ea-2a10-c7bc-bcfca74552d5>

and also info about end-of-support of DB2 V8 components at <http://www.ibm.com/support/docview.wss?uid=swg21370360>

**14.Information about fast load with load utility and USS fifos has been updated:
SAP Note 1062976**

15.DB2 V9 for z/OS:

Compression rate after reorg when migrating from DB2 V8 to DB2 V9

If you migrate your DB2 system from DB2 V8 to V9 for certain compressed tables the compression rate deteriorates after running the REORG utility.

Note [1309153](#) describes the solution on this.

16.Selected new or updated SAP Notes related to SAP on System z

(please see on the following pages, it is NOT a complete list of new SAP Notes concerning SAP on System z but based on hints and tips of several customer related situations and based on my own evaluation)



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**2009 Q1, Selected SAP Notes, new or updated,
for DB2-z/OS:**

SAP Note 1062976 -DB2-z/OS: fast load with load utility and USS fifos

Note Language: English Version: 102 Validity: Valid Since 24.03.2009

SAP Note 1312933 - DB2-z/OS: Requirements - EhP installer

Note Language: English Version: 7 Validity: Valid Since 24.03.2009

SAP Note 1297362 - DB2 z/OS: db2radm.jar patches

Note Language: English Version: 21 Validity: Valid Since 24.03.2009

SAP Note 1252365 - Upgrade to SAP NetWeaver PI 7.1 including EHP 1

Note Language: English Version: 16 Validity: Valid Since 24.03.2009

SAP Note 1237715 - DB2 z/OS Inst: long runtime of ALTER LOCKSIZE stmts

Note Language: English Version: 4 Validity: Valid Since 24.03.2009

SAP Note 913109 - DB2-z/OS: SAPCL Patch Collection

Note Language: English Version: 25 Validity: Valid Since 24.03.2009

SAP Note 1320936 - DB2 z/OS: SAPinst j2ee lacks GRANT on RTS tables V9

Note Language: English Version: 2 Validity: Valid Since 23.03.2009

SAP Note 686905 - DB2-z/OS: DDIC corrections (6.40, 7.0, 7.10)

Note Language: English Version: 17 Validity: Valid Since 23.03.2009

SAP Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 51 Validity: Valid Since 23.03.2009

SAP Note 809477 - startsap and stopsap

<= SAP WebAs 640, 700/701 and 710/711

Note Language: English Version: 42 Validity: Valid Since 23.03.2009

SAP Note 1032273 - DB2-z/OS: Configuring DB2 V9

Note Language: English Version: 16 Validity: Valid Since 20.03.2009

SAP Note 1305972 - DB2-z/OS: CCMS: DB13:

Invalid value for NUMBER_OF_OBJECTS

Note Language: English Version: 2 Validity: Valid Since 20.03.2009

SAP Note 1319517 - Unicode Collection Note

Note Language: English Version: 2 Validity: Valid Since 19.03.2009

SAP Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver

Note Language: English Version: 37 Validity: Valid Since 18.03.2009

SAP Note 1313229 - DB2-z/OS: Upgrade with parallel R3trans

Note Language: English Version: 7 Validity: Valid Since 17.03.2009



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**SAP Note 1251805 - SAP NetWeaver Based on Kernel 7.11:
IBM DB2 for z/OS**

Note Language: English Version: 1 Validity: Valid Since 17.03.2009

SAP Note 81737 - DB2-z/OS: APAR List

Note Language: English Version: 714 Validity: Valid Since 13.03.2009

SAP Note 158875 - DB2-z/OS: Planned classes for SAP on DB2 for z/OS

Note Language: English Version: 65 Validity: Valid Since 13.03.2009

**SAP Note 1315946 - DB2-z/OS: CCMS:
Short dump while creating remote DBA tables**

Note Language: English Version: 2 Validity: Valid Since 12.03.2009

**SAP Note 1263193 - DB2-z/OS:
No DB connect with DB2 Connect 9.5 FP1 on Windows**

Note Language: English Version: 4 Validity: Valid Since 12.03.2009

SAP Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English Version: 37 Validity: Valid Since 12.03.2009

SAP Note 1316259 - DB2-z/OS: Bad performance in RSUVM007

Note Language: English Version: 1 Validity: Valid Since 11.03.2009

SAP Note 1297075 - DB2-z/OS: SAPCL parameter DSC_OFFSET_STATSTIME

Note Language: English Version: 4 Validity: Valid Since 11.03.2009

**SAP Note 1008334 - DB2-z/OS:
Performance Problems with DB2 V8/V9 REOPT(ONCE)**

Note Language: English Version: 22 Validity: Valid Since 11.03.2009

SAP Note 1312704 - DB2-z/OS: Handling of VBDATA (with DB2 v9.1)

Note Language: English Version: 2 Validity: Valid Since 05.03.2009

SAP Note 1295945 - DB2 z/OS: DB2 quantities / storage allocation

Note Language: English Version: 6 Validity: Valid Since 05.03.2009

SAP Note 1139642 - Hardware Requirements in Unicode Systems

Note Language: English Version: 5 Validity: Valid Since 05.03.2009

SAP Note 943141 - DB2-z/OS: Additions upgrade to SAP NW 7.1

Note Language: English Version: 35 Validity: Valid Since 05.03.2009

SAP Note 1306192 - DB2-z/OS: Unicode conversion: Replacing NPI with DPSI

Note Language: English Version: 2 Validity: Valid Since 16.02.2009

**SAP Note 1280173 - DB2-z/OS: CCMS:
Sorting problem of time columns in dbacockpit**

Note Language: English Version: 4 Validity: Valid Since 03.03.2009

SAP Note 1259758 -DB2 z/OS: Unicode conversion: Pool tables DDIC error

Note Language: English Version: 2 Validity: Valid Since 03.03.2009



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SAP Note 1286200 - CE 7.1 SR5 source system installation issues on DB2 for z/OS

Note Language: English Version: 1 Validity: Valid Since 02.03.2009

SAP Note 1267933 - DB2-z/OS: J2EE server - update database statistics

Note Language: English Version: 14 Validity: Valid Since 26.02.2009

SAP Note 1309153 - DB2-z/OS: compression rate deteriorates after REORG on V9

Note Language: English Version: 5 Validity: Valid Since 20.02.2009

SAP Note 1307922 - DB2-z/OS:CCMS: DSNACCMO Error Reporting

Note Language: English Version: 2 Validity: Valid Since 20.02.2009

SAP Note 1264332 - DB2-z/OS: TDMS SQLCODE -904 Reason 00C90089

Note Language: English Version: 4 Validity: Valid Since 19.02.2009

SAP Note 1278135 - DB2-z/OS: CCMS: DB13 RUNSTATS + REORG Double Stack Support

Note Language: English Version: 5 Validity: Valid Since 11.02.2009

SAP Note 914259 - DB2-z/OS: db2radm Patch Collection

Note Language: English Version: 20 Validity: Valid Since 17.02.2009

SAP Note 1289709 - DB2-z/OS: CCMS: DB13 Removal of XDB

Note Language: English Version: 2 Validity: Valid Since 02.02.2009

SAP Note 1283815 - DB2-z/OS: CCMS: DB13: Invalid object in input table

Note Language: English Version: 6 Validity: Valid Since 13.02.2009

SAP Note 1259011 - Hom./Het.System Copy for SAP NetWeaver based on Kernel 7.11

Note Language: English Version: 6 Validity: Valid Since 12.02.2009

SAP Note 1166471 - DB2-z/OS: work process hangs after cancel

Note Language: English Version: 6 Validity: Valid Since 12.02.2009

SAP Note 1042437 - Hom./Het.System Copy for SAP NetWeaver Based on Kernel 7.10

Note Language: English Version: 45 Validity: Valid Since 12.02.2009

SAP Note 1296510 -DB2-z/OS: fast load with load utility BatchPipes/MVSDS

Note Language: English Version: 3 Validity: Valid Since 06.02.2009

SAP Note 496904 - Performance notes database parameters FS-AM for DB2 z/OS

Note Language: English Version: 47 Validity: Valid Since 03.02.2009

SAP Note 1300320 - DB2-z/OS: CCMS: DB13: RUNSTATS ONE does not process LOBs

Note Language: English Version: 2 Validity: Valid Since 02.02.2009

SAP Note 1085521 - DB2/390: HA for DB outage for java stack (2)



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Note Language: English Version: 41 Validity: Valid Since 02.02.2009

SAP Note 1172221 - DB2-z/OS MDM 5.5 issues

Note Language: English Version: 6 Validity: Valid Since 29.01.2009

SAP Note 1115173 - DB2-z/OS: Merging packages for the import

Note Language: English Version: 5 Validity: Valid Since 27.01.2009

SAP Note 895159 - DB2-z/OS: Usage of DB2PLI8, Visual Explain or IBM OSC

Note Language: English Version: 11 Validity: Valid Since 27.01.2009

SAP Note 1294837 - DB2-z/OS: CCMS: Extend SQL display length in statement cache

Note Language: English Version: 5 Validity: Valid Since 20.01.2009

SAP Note 1263782 - DB2-z/OS: Recommended settings for HiperSockets (zLinux)

Note Language: English Version: 5 Validity: Valid Since 26.01.2009

SAP Note 1247576 - DB2-z/OS: Time Out incorrectly reported

Note Language: English Version: 2 Validity: Valid Since 23.01.2009

SAP Note 407325 - SAP Kernel 6/7.x DB2/390 (z/OS): Released operating systems → Info now only available in SAP PAM

Note Language: English Version: 75 Validity: Valid Since 22.01.2009

SAP Note 1294687 - DB2-z/OS: CCMS: DB2J: Displaying job output does not work

Note Language: English Version: 3 Validity: Valid Since 21.01.2009

SAP Note 1289429 - DB2-z/OS: CCMS: Missing DB20 Runstats Data Update

Note Language: English Version: 3 Validity: Valid Since 21.01.2009

SAP Note 1276206 - DB2-z/OS: CCMS: DB13 slow RUNSTATS performance

Note Language: English Version: 8 Validity: Valid Since 21.01.2009

SAP Note 1264471 - DB2-z/OS: CCMS: External DB13 scheduling

Note Language: English Version: 3 Validity: Valid Since 21.01.2009

SAP Note 1260837 - DB2-z/OS: CCMS: DB13 Job BACKUP SYSTEM always ends with RC 8

Note Language: English Version: 4 Validity: Valid Since 21.01.2009

SAP Note 1250199 - DB2-z/OS: CCMS: DB13 runtime error SAPSQL_ARRAY_INSERT_DUPREC

Note Language: English Version: 2 Validity: Valid Since 21.01.2009

SAP Note 1241580 - DB2-z/OS: CCMS: BACK not possible in DB13 DSNUTILS Output

Note Language: English Version: 3 Validity: Valid Since 21.01.2009

SAP Note 1241085 - DB2-z/OS: CCMS: RUNSTATS ALL on TEMP objects

Note Language: English Version: 6 Validity: Valid Since 21.01.2009



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SAP Note 1173622 - DB2-z/OS: CCMS: MODIFY RECOVERY on partition level

Note Language: English Version: 8 Validity: Valid Since 21.01.2009

**SAP Note 1170184 - DB2-z/OS: CCMS:
CX_DBA_ADBC when displaying Long Running URs**

Note Language: English Version: 6 Validity: Valid Since 21.01.2009

**SAP Note 1164184 - DB2-z/OS: CCMS:
REORG INDEX and RUNSTATS INDEX failure**

Note Language: English Version: 3 Validity: Valid Since 21.01.2009

SAP Note 1291106 - DB2-z/OS: CCMS: Wrong number of LPARS in Host Monitor

Note Language: English Version: 2 Validity: Valid Since 15.01.2009

**SAP Note 1238351 - Hom./Het.System Copy SAP NW 7.0
incl. Enhancement Package 1**

Note Language: English Version: 14 Validity: Valid Since 15.01.2009

SAP Note 1120872 - Hom./Het.System Copy SAP NetWeaver 7.0 SR3

Note Language: English Version: 44 Validity: Valid Since 15.01.2009

SAP Note 1225416 - DB2-z/OS: Additions for partition by growth tablespaces

Note Language: English Version: 6 Validity: Valid Since 30.12.2008

SAP Note 1289452 -DB2-z/OS: Bad performance in FAGL_GET_ITEMS_BSIS

Note Language: English Version: 1 Validity: Valid Since 22.12.2008



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**2009 Q1, Selected SAP Notes, new or updated,
for BI / BW on DB2-z/OS:**

SAP Note 1235595 - DB2-z/OS: BI: Storage parameters of PSA tables

Note Language: English Version: 4 Validity: Valid Since 19.03.2009

SAP Note 1152029 - DB2-z/OS: BI: Size category and DSSIZE

Note Language: English Version: 4 Validity: Valid Since 19.03.2009

SAP Note 1272498 - DB2-z/OS: BI: Deletion from PSA is very slow

Note Language: English Version: 6 Validity: Valid Since 13.03.2009

SAP Note 1244949 - DB2-z/OS: BI: One PSA request in several table partitions

Note Language: English Version: 3 Validity: Valid Since 12.03.2009

SAP Note 536074 - DB2 z/OS: BI: Configuring buffer pools for SAP BI

Note Language: English Version: 11 Validity: Valid Since 12.03.2009

SAP Note 894045 - DB2-z/OS: BW: Deleting a partition quickly

Note Language: English Version: 10 Validity: Valid Since 12.03.2009

SAP Note 1308298 - DB2-z/OS: BW: Compress and load new data

Note Language: English Version: 2 Validity: Valid Since 04.03.2009

SAP Note 1297901 -DB2-z/OS: BW: Short dump if facts exceed MAXINT

Note Language: English Version: 1 Validity: Valid Since 03.03.2009

SAP Note 1297558 - DB2-z/OS: BW: Many RUNSTATS on empty temporary tables

Note Language: English Version: 2 Validity: Valid Since 03.03.2009

SAP Note 1008833 - Supplementary SAP Note about repartitioning

Note Language: English Version: 14 Validity: Valid Since 03.03.2009

SAP Note 909334 - DB2-z/OS: BW: Hierarchy query is slow

Note Language: English Version: 5 Validity: Valid Since 03.03.2009

SAP Note 1282327 - DB2-z/OS: BI: InfoCube compression takes a very long time

Note Language: English Version: 2 Validity: Valid Since 13.02.2009

SAP Note 1149824 -DB2-z/OS: BI 7.x: DB settings and performance

Note Language: English Version: 5 Validity: Valid Since 11.02.2009

SAP Note 1000587 - DB2-z/OS: BW: Histogram statistics with DB2 Version 9

Note Language: English Version: 6 Validity: Valid Since 16.01.2009

SAP Note 1281602 - DB2-z/OS: BI: Quick partition deletion: TEMPLATE MISSING

Note Language: English Version: 2 Validity: Valid Since 13.01.2009

SAP Note 1289216 -DB2-z/OS: BI: Index check returns warning

Note Language: English Version: 2 Validity: Valid Since 19.12.2008



**News for SAP Business Suite
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Planning and Prereq overview (SW on System z, etc.),

Release Matrix included

For planning purposes about general planning to run SAP on System z , for SAP Netweaver and migration to DB2 V8 for z/OS or to DB2 9 for z/OS there are four major SAP Notes available:

0746924	Planning information for customers with SAP on System z
0660528	Requirements to run SAP Netweaver on System z
0728743	zSeries: Release of DB2 V8 for SAP Components
1043951	DB2-z/OS: Release of DB2 V9 for SAP Components

**Other important planning information can be found in
SAP PAM (Product Availability Matrix) on <http://service.sap.com/pam>**

0081737	IBM maintenance prereqs (PTFs), APAR list
0138906	Planning info (release, connectivity matrix), IBM INFO APAR II11352
0407325	Released operating systems for SAP kernel 6.x/7.x DB2/390 → replaced by SAP PAM Info
0156554	Released operating systems for SAP kernel 4.6x DB2/390 → replaced by SAP PAM Info
0183311	Automated PTF Checking
1032273	DB2-z/OS: Configuring DB2 V9
0145316	DB2-z/OS: Preparations for SAP Support Services
0158875	Planned Classes for SAP on System z
0826706	HA Layout
0915482	Automating DB failover
0569996	High availability and automation solution for DB2 on z/OS
0606682	High availability and automation solution for Linux zSeries
0858969	SAP NetWeaver 2004s Installation: IBM DB2 UDB for z/OS
0780415	SAP Web AS 6.40 SR1: IBM DB2 UDB for z/OS (Installation)
0694194	SAP Web AS 6.40: IBM DB2 for z/OS (Installation)
0649892	DB2/390: 6.30 Installation on z/OS, UNIX and Windows
0493836	DB2/390: 6.20 Installation on z/OS, UNIX and Windows
0663492	DB2/390: SAP R/3 Enterprise on z/OS, UNIX and Windows (Inst.)
0524816	Standalone enqueue server
0513750	Data Sharing Topology
0101217	Transport and correction overview
0145316	SAP GoingLive Service
0067584	IDES Process overview
0077774	Installing IS solutions
0083000	Backup and Recovery Options

These notes get updated regularly by SAP, so please check out the SAP Notes within SAP Service Market Place: service.sap.com, or with direct access to the SAP Notes database (service.sap.com/notes) for the latest version.



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Basic (Minimum) Prereqs for

SAP Netweaver 7.0 (2004S) SR3 WebAS 7.00:

Database Server:

System z hardware

(System z10, z9, z990, z890, z900, z800 etc.) only supported!

z/OS V1R8+ (when released and SAP certified)

(due to the fact that z/OS <=1.7 is already out of service)

DB2 for z/OS V8+ and DB2 Connect V8+

with actual DB2 Connect Fixpack (according to SAP Note 81737)

Application Server:

SuSE Linux for zSeries SLES9 or higher on System z hardware

RedHat RHEL5 on System z hardware

AIX 5.2 or higher on System p or pSeries hardware

Windows 2003 (32bit (**Non-Unicode only!**) or 64bit on x86_64)

SuSE Linux SLES9 or SLES 10 on x86_64 hardware

RedHat RHEL5 on x86_64 hardware

JDK 1.4.2 or higher

z/OS USS (1.8 or higher), only for HA purposes

(Central Services (MSG/ENQ) only!)

For specific details please have a look into actual SAP PAM (Product Availability Matrix) and additional info (e.g. SAP Notes) on SAP Service Market Place!



**News for SAP Business Suite
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Version 2009Q1, status of March 2009**

Basic (Minimum) Prereqs for

SAP Netweaver 2004 SR1, WebAS 6.40:

Database Server:

**System z hardware (z10, z9, z990, z890, z900, z800 etc.)
only supported!**
z/OS V1R8+ (when released and SAP certified)
(due to the fact that z/OS <=1.7 is out of service)
(Base was z/OS V1R4 or higher (when SAP certified and released))
**DB2 UDB for z/OS V8 or higher and actual DB2 Connect V8 or higher
with actual DB2 Connect Fixpack (according to SAP Note 81737)**

Application Server:

z/OS V1R4 or higher (when SAP certified and released) on
**System z hardware (z10, z9, z990, z890, z900, z800 etc.)
only supported!²⁾**
SuSE Linux for zSeries SLES8 or higher on System z hardware
AIX 5.1 or higher on System p or pSeries hardware
Windows (2000/32bit, 2003/32 or 64bit) or higher
on Intel based hardware
SuSE Linux SLES9 on x86_64 hardware
Solaris 8 or higher on Sparc based hardware³⁾
JDK 1.4 or higher
SAP Kernel: SAP WebAS 6.40 or higher
SAP J2EE: SAP J2EE 6.30 SP3 or higher

²⁾SAP Web AS & SAP BW only, no Unicode and no support for Java components (32bit only,
HA solution with MSG/ENQ on z/OS USS remain supported, also for future SAP release

³⁾Deprecated - For customers already using this DB/OS combination in previous releases only.
Not supported with SAP release NetWeaver 7.0 or higher



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

DB2 Connect: Summary of actual available information concerning installation of DB2 Connect for SAP on System z:

Recommendations:

- Configuration for DB2 connect should be done via db2radm
- Each SAP instance should have their own DB2 Connect Instance

For further details needed to implement DB2 connect please look into:

SAP DBA Guides for

- SAP NetWeaver 2004 SR1 Version 6.40 or
- SAP NetWeaver 7.0 (2004S) SR3.
- SAP NetWeaver 7.10

- **SAP Technical Document: Streamlining DB2 Connect for SAP**

Abstract:

Focusing on the strategically valuable CLI and JDBC drivers, also called “Thin Client” of the latest DB2 Connect version (9.5)

Please see on the following SAP SDN (SAP Developer Network) webpage:

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/207c5c32-51ea-2a10-c7bc-befca74552d5>

- Tips for Installing DB2 Connect V8 on SAP with DB2 UDB for z/OS V8 (April 2005) are available on <http://www.ibm.com/support/docview.wss?uid=swg27005934&aid=1>
- SAP Best Practices - SAP on IBM DB2 UDB for OS/390 and z/OS - Best Practice for Installing or Migrating to DB2 V8 is available <https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/5798c93d-0e01-0010-81b4-d641a79c1ab0>
Select Best Practices Filtered for Solution Management, then Availability, then By topic area ID54, SAP on IBM DB2 UDB for OS/390 and z/OS - Best Practice for Installing or Migrating to DB2 V8 (May 2007)
- SAP Best Practices - SAP on IBM DB2 z/OS V9 - Best Practice for Installing or Migrating to DB2 V9 is available and has been updated, Version 2.2 (December 2008)
[Best Practice for Installing or Migrating to DB2 V9, V2.2](#) UPDATED
- DB2 connect related SAP Notes:
[Note 731937 - DB2-z/OS: Customizing DB2 Connect for WebAS 6.20 and DB2 V8](#)
[Note 836882 - DB2-z/OS: Manually Customizing DB2 Connect](#)
[Note 81737 - DB2-z/OS: APAR List](#)



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- **DB2 Connect V9 CLI (“Thin Client”) related SAP Notes:**
[Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver](#)
[Note 867976 - Changing JDBC driver on WEB AS Java 6.40/NW 2004s](#)
[Note 1068654 - DB2-z/OS: Customizing V9 CLI driver for ICLI & WebAS 6.20](#)
[Note 1179836 - DB2-zOS:CCMS: SAPCL Grant fails with Thin Client](#)

See SAP note 81737 for latest DB2 Connect Version and FixPak and DB2 APARs:

DB2 Connect: You must install Version 8, FixPak 10 or higher.

Note: DB2 Connect V8 is running out-of-service at end of April 2009!

It is recommended to use the latest FixPak (FP) that is released for usage by SAP.

With DB2 9 for z/OS, DB2 Connect 9.1 or higher is required. For more details on DB2 9, see SAP note 1043951.

According to the document “**Streamlining DB2 Connect for SAP**”

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/207c5c32-51ea-2a10-c7bc-bcfca74552d5>

it is recommended to implement the newest actual supported Thin Client (CLI and JDBC Driver), actually DB2 Connect V9.5 Data Server Driver for CLI, ODBC, JDBC, SQLJ 9.5 Fix Pack 1 Special Build (details see below please).

Both OEM and non-OEM customers can download the DB2 Connect base code, fixpaks, and special builds from SAP Service Marketplace: <http://service.sap.com/swdc/>
click -> Download -> Database Patches (from other vendors) ->
-> DB2 for z/OS

Note, however, that the license files are only provided to OEM customers.

IBM customers can also request special builds by opening a PMR against DB2 Connect.

It is recommended to use the latest FixPak (FP) that is released for usage by SAP.

There are two connectivity packages:

The DB2 Connect Enterprise Edition V9 provides the full connectivity, and will be offered to all customers.

DB2 Connect V9.1 Thin Client (also called CLI and JDBC Driver) is now default for connectivity between SAP Applicationserver and DB2 for z/OS Databaseserver: The CLI Driver will be installed automatically during the installation process if you install 6.40 Patch Collection 2007/2 (or higher) or 7.00 SR3 (or higher).

DB2 Connect V9.5

DB2 Connect V9.5 FP1 Special Build released

IBM Data Server Driver for CLI, ODBC, JDBC, SQLJ 9.5 Fix Pack 1 Special Build 20539 (Windows 20615) is now available

Please note that DB2 Connect 9.5 Enterprise Edition is not supported!



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DB2 Connect V9.1:

DB2 Connect V9.1 FP5: on top of FP5 Special Build 20552 is required

this refers to the DB2 Connect Enterprise Edition V9.1 product and also
to the DB2 driver for ODBC, CLI and JDBC V9.1.

Minimum: DB2 Connect V9.1 FP2

DB2 Connect V8:

DB2 Connect V8 FixPak 14 (FP14)

DB2 Connect V8 FixPak 12 (FP12):

on top of FP12 special build special_16563 is required (APAR IY86656)

DB2 Connect V8 FixPak 11 (FP11):

on top of FP11 special build special_15678 is required.

DB2 Connect V8 FixPak 10 (FP10): (is minimum level)

Customers using DB2 Connect FP10 please adhere to SAP note 878632.



**News for SAP Business Suite
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Actual End-of-Service Dates for IBM Software (z/OS)

New features that enable customers to integrate and optimize new workloads on System z – the zIIP and the zAAP – are only supported on z/OS 1.6 and above!

The following table indicates the end-of-service dates for the most recent z/OS releases.

z/OS and z/OS.e marketing and service announce, availability, and withdrawal dates

z/OS					
Program number	VRM	Announced	Available	Marketing withdrawn	Service discontinued
5694-A01	1.09.0	2007/08/08	2007/09/28	2008/09*	2010/09*
5694-A01	1.08.0	2006/08/08	2006/09/29	2007/10/22	2009/09*
5694-A01	1.07.0	2005/07/27	2005/09/30	2006/10/23	2008/09/30
5694-A01	1.06.0	2004/08/10	2004/09/24	2005/10/24	2007/09/30
5694-A01	1.05.0	2004/02/10	2004/03/26	2004/09/09	2007/03/31
5694-A01	1.04.0	2002/08/13	2002/09/27	2004/09/09	2007/03/31
5694-A01	1.03.0	2002/02/19	2002/03/29	2002/09/12	2005/03/31
5694-A01	1.02.0	2001/09/11	2001/10/26	2002/03/14	2004/10/31
5694-A01	1.01.0	2000/10/03	2001/03/30	2001/10/11 or 2002/06/25	2004/03/31
Legend *Indicates projected date. Actual end of marketing or end of service date has not been announced yet.					

z/OS.e					
Program number	VRM	Announced	Available	Marketing withdrawn	Service discontinued
5655-G52	1.08.0	2006/08/08	2006/09/29	2007/10/22	2009/09*
5655-G52	1.07.0	2005/07/27	2005/09/30	2006/10/23	2008/09/30
5655-G52	1.06.0	2004/08/10	2004/09/24	2005/10/24	2007/09/30
5655-G52	1.05.0	2004/02/10	2004/03/26	2004/09/09	2007/03/31
5655-G52	1.04.0	2002/08/13	2002/09/27	2004/09/09	2007/03/31



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

5655-G52	1.03.0	2002/02/19	2002/03/29	2002/09/12	2005/03/31
Legend * Indicates projected date. Actual end of marketing or end of service date has not been announced yet.					

This information is available on the z/OS Support web pages.

http://www.ibm.com/servers/eserver/zseries/zos/support/zos_eos_dates.html

Note that for z/OS 1.4 customers, z/OS 1.7 is the last release they can migrate to in a single step.

Beginning with z/OS 1.6, the first of our annual releases, each release is typically planned to be in service for 3 years.

Actual End-of-Service Dates for IBM Software (DB2)



DB2 Universal Database for z/OS

DB2 for z/OS and OS/390 - Product Lifecycle

Last Updated March 06, 2007

The DB2 UDB for z/OS Product Lifecycle matrix displays the marketing and support services available to you over the life of your product. Hyperlinks are enabled to take you directly to the product announcement letter by simply selecting any of the dates listed. If your product or version is not listed on the Product Lifecycle chart below, it has probably reached End of Service. While every effort has been made to provide accurate information, the authoritative source for product information is the IBM announcement letters.

For additional IBM Software product lifecycle information that is licensed under the International Program License Agreement (IPLA), please visit the [IBM Software Support Lifecycle](#).

All statements regarding the future direction and intent of IBM are subject to change or withdrawal without notice and represent goals and objectives only.

Ver/Rel	OS/Platform	PID	EOM	EOS
9	z/OS	5635-DB2	TBD	TBD
8	z/OS	5625-DB2	TBD	TBD
7	OS/390, z/OS	5675-DB2	05-Mar-07	30-Jun-08
6	OS/390	5645-DB2	30-Jun-02	30-Jun-05
5	OS/390	5655-DB2	31-Dec-01	31-Dec-02
4	MVS/ESA	5695-DB2	01-Dec-00	31-Dec-01
3	MVS	5685-DB2	29-Feb-00	31-Jan-01

* Indicates projected date. Actual end of marketing or end of service date has not been announced yet.

Actual info is available on the following website:

<http://www.ibm.com/software/data/db2/zos/support/plc/>



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Overview / Planning and Installation information -
IBM Redbooks for

SAP on System z

(IBM Redbooks can be found under www.redbooks.ibm.com)

- IBM Redbook** **IBM: SG24-6847-01 SAP on DB2 9 for z/OS
Implementing Application Servers
on Linux for System z**
Status: **Draft available (March 2009)**
<http://www.redbooks.ibm.com/redpieces/abstracts/sg246847.html?Open>
- IBM Redbook** **IBM: SG24-7540-00 Infrastructure Solutions:
SAP IS Automotive on an IBM Platform**
Status: **available, published December 2008**
<http://www.redbooks.ibm.com/abstracts/sg247540.html?Open>
- IBM Redbook** **IBM: SG24-7644-00 Best Practices for SAP Business Information
Warehouse on DB2 UDB for z/OS V8**
Status: **available, published April 2008**
<http://www.redbooks.ibm.com/abstracts/sg247644.html?Open>
- IBM Redbook** **IBM: SG24-6489-02 Best Practices for SAP BI using DB2 9 for z/OS**
Status: **available, published March 2008**
<http://www.redbooks.ibm.com/abstracts/sg246489.html?Open>
- IBM Redbook** **IBM: SG24-7239-00 Enhancing SAP solutions by using
DB2 9 for z/OS**
Status: **available, updated September 12, 2007**
<http://www.redbooks.ibm.com/abstracts/sg247239.html>
- IBM Redbook** **IBM: SG24-7330-00 DB2 9 for z/OS Technical Overview**
Status: **available, updated august 16, 2007**
<http://www.redbooks.ibm.com/abstracts/sq247330.html>
- IBM Redbook** **IBM: SG24-7270-00 LOBs with DB2 for z/OS:
Stronger and Faster**
Status: **available, published November 29, 2006**
**This redbook replaces the previous IBM Redbook,
Large Objects with DB2 for z/OS and OS/390, SG24-6571**
<http://www.redbooks.ibm.com/abstracts/sg247270.html>
- IBM Brochure** **IBM: SC33-8206-00 High Availability for SAP on zSeries
using Autonomic Computing Technologies**
Status: **available**



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

ftp://ftp.software.ibm.com/eserver/zseries/software/sap/HA_SAP_Autonomic_S_C33-8206_00.pdf

IBM Redbook	IBM: SG24-7226-00	DB2 Recovery Expert for z/OS User Scenarios	Status: available, published November 28, 2006
IBM Redbook	IBM: SG24-6867-00	IBM DB2 Performance Expert for z/OS V2	Status: available, published June 18, 2004 http://www.redbooks.ibm.com/abstracts/sg246867.html?Open
IBM Redbook	IBM: SG24-6420-01	DB2 for z/OS, Tools for Database, Administration and Change Management	Status: available, published July 28, 2003 http://www.redbooks.ibm.com/abstracts/sg246420.html?Open
IBM Redbook	IBM: SG24-6914-00	SAP on DB2 UDB for OS/390 and z/OS: Multiple Components in One Database (MCOB)	Status: available, published February 19, 2003 http://www.redbooks.ibm.com/abstracts/sg246914.html?Open
IBM Redbook	IBM: SG24-6836-00	SAP on DB2 UDB for OS/390 and z/OS: High Availability Solution Using System Automation	Status: available, published September 13, 2002 http://www.redbooks.ibm.com/abstracts/sg246836.html?Open
IBM Redbook	IBM: SG24-6847	SAP on DB2 UDB for OS/390 and z/OS: Implementing Application Servers on Linux for zSeries	Status: available, published August 30, 2002 http://www.redbooks.ibm.com/abstracts/sg246847.html?Open
IBM Redbook	IBM: SG24-6508-00	DB2 for z/OS and OS/390 Tools for Performance Management	Status: available, published November 14, 2001 http://www.redbooks.ibm.com/abstracts/sg246508.html?Open
IBM Redbook	IBM: SG24-6287-00	SAP on DB2 for z/OS and OS/390: DB2 System Cloning	Status: available, published November 14, 2001 http://www.redbooks.ibm.com/abstracts/sg246287.html?Open
IBM Redbook	IBM: SG24-5690-00	SAP R/3 on DB2 UDB for OS/390: Database Availability Considerations	Status: available, published March 1, 2001



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

<http://www.redbooks.ibm.com/abstracts/sg245690.html?Open>

IBM Redpaper	IBM: REDP-0131	SAP R/3 on DB2 for OS/390: DB2 Features that benefit SAP
	Status:	available, published May 30, 2001
		http://www.redbooks.ibm.com/abstracts/redp0131.html?Open
IBM Redbook	IBM: SG24-5681-00	SAP BW on OS/390
	Status:	available, published September 12, 2000
		http://www.redbooks.ibm.com/abstracts/sg245681.html?Open
IBM Redbook	IBM: SG24-2078-01	Database Administration Experiences: SAP R/3 on DB2 for OS/390
	Status:	available, published April 22, 2000
		http://www.redbooks.ibm.com/abstracts/sg242078.html?Open
IBM Redbook	IBM: SG24-5840-00	SAP R/3 AppServer /390 Implementation Experiences
	Status:	available, published April 19, 2000
		http://www.redbooks.ibm.com/abstracts/sg245840.html?Open
IBM Redbook	IBM: SG24-4945-02	Implementation Experiences using AIX Appl. Servers and DB2 for OS/390 database server
	Status:	available, published Nov 22, 1999
	Remarks:	you can use it as a concept overview!
		http://www.redbooks.ibm.com/abstracts/sg244945.html?Open
IBM Redbook	IBM: SG24-5343-00	SAP R/3 on DB2 for OS/390: Disaster Recovery
	Status:	available, published October 12, 1999
		http://www.redbooks.ibm.com/abstracts/sg245343.html?Open
IBM Redbook	IBM: SG24-2003-00	High Availability Considerations: SAP R/3 on DB2 for OS/390
	Status:	available, published April 20, 1998
	Remarks:	based on SAP R/3 3.1H, HACMP, Parallel Sysplex failover
		http://www.redbooks.ibm.com/abstracts/sg242003.html?Open



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**Overview / Planning and Installation information -
IBM Redbooks
for other related info**

IBM Redpaper	IBM: REDP-3716-00 Using IBM Tivoli System Automation for Linux Status: available, updated july 21, 2003 http://www.redbooks.ibm.com/abstracts/redp3716.html?Open
IBM Redpaper	IBM: REDP-3717-00 mySAP Business Suite Managed by IBM Tivoli System Automation for Linux Status: available, updated november 3, 2003 http://www.redbooks.ibm.com/abstracts/redp3717.html?Open
IBM Redbook	IBM: SG24-6435 DB2 for z/OS and OS/390: Ready for Java, Status: available, published december 3, 2003 http://www.redbooks.ibm.com/abstracts/sq246435.html?Open
IBM Redbook	IBM: SG24-6079 DB2 UDB for z/OS Version 8: Everything You Ever Wanted to Know Status: available, published july 25, 2004 http://www.redbooks.ibm.com/abstracts/sq246079.html?Open
IBM Redbook	IBM: SG24-6871 DB2 UDB for z/OS Version 8 Technical Preview: Status: available, updated september 26, 2003 http://www.redbooks.ibm.com/abstracts/sq246871.html?Open
IBM Redbook	IBM: SG24-7088 DB2 UDB for z/OS Version 8: Through the looking glass and what SAP found there, Status: available, updated september 17, 2004 http://www.redbooks.ibm.com/abstracts/sq247088.html?Open
IBM Redbook	IBM: SG24-6950 DB2 for z/OS and OS/390: High Availability and Performance Monitoring Status: available, since december 2003, updated march 01, 2004 http://www.redbooks.ibm.com/abstracts/sq246950.html?Open



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

IBM Redbook	IBM: SG24-7023	Linux on IBM eServer zSeries and S/390: Best Security Practices Status: available, published may 21, 2004 http://publib-b.boulder.ibm.com/abstracts/sg247023.html?Open
IBM Redbook	IBM: SG24-6311-00	Running Linux on IBM System z9 and zSeries under z/VM Status: available, published Feb 21, 2006 http://www.redbooks.ibm.com/abstracts/sg246311.html
IBM Redpaper	IBM: REDP-3687-00	Linux on IBM zSeries and S/390, Building SuSE SLES8 systems under z/VM Status: available, published august 03, 2003 http://www.redbooks.ibm.com/abstracts/redp3687.html?Open

Abstracts of some selected redbooks:

DB2 9 for z/OS Technical Overview, SG24-7330-00 **Redbook, published june 28, 2007, updated august 16, 2007**

IBM DATABASE 2 Version 9.1 for z/OS (DB2 9 for z/OS throughout this publication) is the thirteenth release of DB2 for MVS.

It brings improved synergy with the System z hardware and more opportunities to drive business value in the following areas:

- Business insight innovations
 - Rich hybrid support for relational and pure XML data.
 - Enhanced support for key business partners that allow you to get more from your data in critical business disciplines like ERP.
 - A brand new user interface for the Query Management Facility to view and analyze data from either a workstation client or an ordinary Web browser.

- Cost savings through optimized innovations
 - Streamlined security and regulatory compliance through the implementation of roles, network-trusted contexts, and enhanced auditing.
 - Performance-boosting innovations such as load and reorg CPU reductions, improved varying length data, logging, and insert performance.
 - Query management enhancements to make accessing data even faster and more accurate with indexing improvements.

- Business resiliency innovations
 - Database on demand capabilities to ensure that information design can be changed dynamically, often without database outages.
 - DB2 restart improvements enhancing performance usability and availability in data sharing environment.



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

This book introduces the enhancements made available with DB2 9 for z/OS. It helps you understand the new functions, justify investment in migrating, and plan for exploiting the key new capabilities.

[Linux on IBM eServer zSeries and S/390: Best Security Practices](#), SG24-7023

Redbook, published 21 May 2004

This IBM Redbook discusses best security practices for running Linux as a z/VM guest on IBM zSeries and S/390 machines. This publication is intended for system administrators and IT architects responsible for deploying secure Linux servers running under z/VM. We consider both z/VM and Linux security topics.

[DB2 for z/OS Version 8: Everything You Ever Wanted to Know, ... and More](#), SG24-6079

Redbook, published 07 May 2004

This IBM Redbook introduces the many enhancements made available with DB2 V8. It will help you understand the functions offered by DB2 V8, and provides information to help you to evaluate their applicability to your environment, as well as to plan for the installation of DB2 V8 or the migration from DB2 V7.

[SAP on DB2 UDB for z/OS and OS/390: High Availability and Performance Monitoring with Data Sharing](#), SG24-6950

Redbook, published 21 Dec 2003

This IBM Redbook addresses the challenges posed by monitoring high availability, scalability, and performance in an SAP system data sharing environment. It introduces the motivations for utilizing a design based on DB2 data sharing. It includes the principal SAP-DB2 data sharing architecture options and trade-offs used in the industry today and issues that play a role in both high availability and scalability, such as failover design, database connectivity design, workload splitting and load balancing, MCOB, and coupling facility design.

[DB2 UDB for z/OS: Through the Looking Glass and What SAP Found There](#), SG24-7088

Redbook, published 16 Dec 2003, updated September 17, 2004

DB2 UDB for z/OS Version 8 (DB2 V8) introduces a large number of new features that provide for unmatched scalability, availability, performance, and manageability to reliably handle any information needed in SAP solutions. The objective of this IBM Redbook is to identify the new features of DB2 V8 that are particularly beneficial to SAP and to describe how SAP applications can take advantage of these new features. While some of these features can be exploited transparently by the currently available versions of DB2, for some others the next technological release of SAP will be required. The redbook introduces the new features and provides real-life examples from SAP to demonstrate the usefulness of the new features for SAP and to show how SAP can exploit them.

[DB2 UDB for z/OS V8 – Technical Preview](#), SG24-6871

Redbook, published 13 Apr 2003, last update 26 Sep 2003

IBM Database 2 Universal Database Server for z/OS Version 8 (DB2 V8) brings synergy with the zSeries hardware and exploits the z/OS 64-bit virtual addressing capabilities. DB2 V8 offers data support, application development, and query functionality enhancements for e-business, while building upon the traditional characteristics of availability, exceptional scalability, and performance for the enterprise of choice.

DB2 Version 8 has been re-engineered for e-business, with many fundamental changes in architecture and structure. Key improvements enhance scalability, application porting, security architecture, and continuous availability. Management for very large databases is made much easier, while 64-bit virtual storage support makes management simpler and improves scalability and availability. This new version breaks through many old limitations in the definition of DB2 objects, including SQL improvements, schema evolution, longer names for tables and columns, longer SQL statements, enhanced Java and Unicode support, enhanced utilities, more log data sets, and many more advantages.



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

Technical Whitepapers of IBM can be found at
ibm.com/support/techdocs or on <http://www.redbooks.ibm.com>,

Technical Documents of SAP can be found at
<https://www.sdn.sap.com/irj/sdn/db2>

- **New SAP Technical Document available (February 2009):
SAP for Insurance on System z Reference Architecture**

Additionally to the already in 2008 published SAP for Banking on System z Reference Architecture now the SAP for Insurance on System z Reference Architecture has been published.

Abstract: This document describes the reference architecture of SAP for Insurance on IBM System z® and focuses on the system infrastructure for SAP for Insurance. It is a guideline for how best to implement and run SAP for Insurance solutions on IBM System z to meet our customers' stringent infrastructure needs. This guide is based on real-world experiences gained at high-end SAP for Insurance implementations at insurance companies worldwide.

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/806914a9-16df-2b10-96a0-ee0b1296f10>

- **New IBM Technical Document available (March 2009):
Techdocs paper: "SAP® Enterprise Portal on IBM System z® Performance Report" has been published!**

Abstract: The IBM Poughkeepsie SAP Performance Evaluation on System z team undertook evaluating the performance of the SAP Enterprise Portal on System z to learn about and gain experience with the SAP Application Server (AS) Java stack, as well as to measure the performance of running the SAP Enterprise Portal on System z. When we started this project, SAP's direction was to develop new applications using Java instead of ABAP. The only Java application available with standard benchmarks provided by SAP was the SAP Enterprise Portal. Therefore, we decided to implement the SAP Enterprise Portal and the Employee Self-Service workload. We used this workload to do a stress test – not a SAP certified benchmark. This gave us a good showcase for showing the power of Linux on System z. We explored tuning options, collected performance data, and proved scalability on System z when running the SAP Enterprise Portal. Our study started on a z900, then moved to a z990, and finally to a z10. What we found is that from the z900 to the z10 the workload ran exactly the same. There was of course more capacity and better response time as we tested on newer, faster systems. We demonstrated that the SAP Enterprise Portal and the Employee Self-Service workload performed well on all the System z mainframes on which it was tested. Performance tuning practices that we implemented on the z900 also improved performance on the z990 and z10 when applied there.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101448>



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

- **New IBM Technical Document available (March 2009):
Techdocs paper: "IBM System z® and System Storage DS8000:
Accelerating the SAP® Deposits Management Workload With Solid State
Drives" has been published!**

Abstract: This paper describes several measurements of the SAP Deposits Management application we performed comparing storage subsystems with these technologies. IBM's storage group provided us with a pre-release version of IBM System Storage DS8300 with both SSDs and HDDs. We wanted to see the possible effects in a customer-like application environment. As the usage of different files varies, we also wanted to experiment with placement of different files on the different technologies. We took a balanced approach by not optimizing just one performance metric at the expense of many others. The results show for an On-Line Transaction Processing (OLTP) workload significant improvement in several different metrics using a storage subsystem with both HDDs and SSDs. As we had hoped, we found additional benefits for SSD using zHPF because of its more efficient execution of small block I/O requests.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101442>

- **New IBM Redbook available
"Infrastructure Solutions: SAP IS Automotive on an IBM Platform"
SG24-7540-00, December 2008**

Abstract: This redbook documents a joint SAP-IBM Proof of Concept for a well-known manufacturer in the auto industry. The company wanted to implement SAP's Automotive Solution portfolio, was transitioning from a "make-to-stock" to a "make-to-order" strategy, and wanted to ensure that the SAP software and IBM infrastructure could handle the stringent timeframes. The Proof of Concept was done using IBM System z and DB2 for z/OS as the SAP database server, with System p and IBM BladeCenter blades as SAP Application servers, and IBM DS8300 for the SAP storage. The auto company had four Key Performance Indicators that they needed to meet including Rapid Planning Matrix (RPM), Material Requirement Planning (MRP), Backflush (BL), and Material Ledger (ML). One cool aspect of the POC is that initially the Backflush process was taking too long. IBM identified the processes that could be parallelized and SAP created a local modification that allowed the processes to run in parallel on System z and meet the customers KPI targets. The speedup in performance for the Backflush was roughly 400%! Another interesting aspect was the performance measurements with and without data compression. There were significant performance benefits in using data compression so that more data could be held in the System z main memory and avoid disk I/O's.

<http://www.redbooks.ibm.com/abstracts/sg247540.html?Open>

- **Updated Technical Document available
Tuning SAP on DB2 for z/OS on System z**

Abstract: Performance analysis and tuning guide for SAP on DB2 UDB for OS/390 and z/OS. The paper describes how to analyze performance indicators for SAP with DB2, and it contains examples of typical problems and processes used to analyze them.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100287>



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

- **New Technical Document available**

- **Unicode™ Migration of SAP® on IBM System z®:
Evaluation of Fastload for Import, October 2008**

- **Abstract:** The normal process for the import is that one or more Standard Import processes are started on the application server that owns the files with the exported data. These processes load the data into the target database using INSERT SQL-statements. In the common case for most large SAP installations, a three-tier system, the INSERT statements are sent over the network to the target database. This procedure requires CPU resources on the DB Server and, because of the network latency, long elapsed times for single threaded processing.

- For SAP installations using DB2 for z/OS, these issues can be minimized by using a Fastload process that facilitates larger amounts of data to be sent at once over the network. This data are subsequently loaded into the database using the DB2 LOAD utility, instead of INSERT statements.

- This paper describes a set of measurements of the Standard Import and the Fastload processes. We concentrated on this portion of the Unicode migration because it is lengthy and requires the SAP system be shut down. Not only do we compare the two options, we also investigated the scalability of the Fastload process.

- <http://www.ibm.com/support/techdocs/atmsastr.nsf/WebIndex/WP101350>

- **New IBM High Availability Guide for SAP on System z available (October 2008):**

- A new version of the IBM High Availability Guide, now called 'Business Continuity for SAP on IBM System z' is available.

- This book describes the *IBM High Availability Solution for SAP on System z*, which provides the means for fully automating the management of all SAP components and related products running on z/OS, AIX®, or Linux®. The automation software monitors all resources and controls the restart and/or takeover of failing components, thereby ensuring near continuous availability of the SAP system.

- You will find this document on the following website from IBM:

- ftp://ftp.software.ibm.com/eserver/zseries/software/sap/Business_Continuity_for_SAP.pdf

- **New SAP Technical Document available (October 17, 2008):**

- **DFS/SMB Setup for High Availability Systems
with DB2 for z/OS and Windows Application Servers**

- In a high availability (HA) installation with IBM DB2 for z/OS and SAP application servers on Windows, directories on the mainframe are to be shared from Windows.

- This document is intended to help you in setting up DFS/SMB explicitly for an SAP HA system on the mainframe.

- You will find this document on the following Website on SDN:

- <https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/10f233d1-b797-2b10-0182-c2baf61320b4>

- **New SAP Technical Document available (October 24, 2008):**

- **Casebook: DB2 backup, recovery and cloning for SAP environments**

- As a strategic solution, DB2 for z/OS provides the integrated BACKUP SYSTEM and



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

RESTORE SYSTEM utilities, which internally rely on DS8000 FlashCopy and z/OS DFSMSHsm technology. The DB2 Cloning Tool and the DB2 Recovery Expert for z/OS can be optionally used to further facilitate, automate and accelerate many of the tasks. provides hands-on tips and tricks for using the above mentioned DB2 utilities and tools in SAP environments in the most beneficial way.

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/e0b13d2b-0a89-2b10-918b-bc7aff0a1905>

- **New SAP Technical Document available (October 28, 2008):**

SAP Legacy Connector (SAPLCO)

SAP Legacy Connector (SAP LCO) is a software package which is intended to support projects in the z/OS environment. SAP LCO makes it possible to communicate synchronously between CICS, IMS or Batch applications on IBM mainframes and SAP systems. With SAP LCO, you can also call simple CICS programs or IMS transactions from SAP programs.

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/10ca4935-4298-2b10-3cb9-efb2713a15a9>

- **SAP Technical Document (August 18, 2008):**

SAP for Banking on System z Reference Architecture New!

Abstract: This document describes the SAP for Banking on System z reference architecture. This reference architecture focuses on the system infrastructure for SAP for Banking. It is a guideline as to how to best implement and run SAP for Banking solutions on System z to meet our customers' stringent infrastructure needs.

This guide is based on real-world experiences gained at many high-end SAP for Banking implementations at large banks worldwide.

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/a00e4718-314f-2b10-19a6-a76f257addaf>

- **IBM Technical Document (White Paper):**

SAP® Transaction Banking:

IBM System z® DB Server Using DB2 V9.1 for z/OS Large Database

Measurements, WP101243, author: Mike Sheets, June 2, 2008

Abstract: This paper is an extension of a previous paper titled “SAP® Transaction Banking: Measurements of IBM System z® DB Server Using DB2 V9.1 for z/OS” [1]. For this paper, we constructed a forty million-account database while the earlier paper used a five million-account database. In this paper, we concentrated more on the Posting workload (described later) than the Balancing workload. The previous paper did the opposite. The new measurements with the forty million-account database also exploited DB2 V9.1's unique Index Compression. This paper will discuss not only the newer measurements, but will compare them to the previous paper.

<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101243>



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

- **SAP Technical Document:**

Using Adobe® Document Services with SAP on IBM DB2 for z/OS

Abstract:

SAP integrates Adobe Document Services to enhance the document handling capabilities of SAP, e.g. to handle interactive PDF documents and transport data from and to dynamic PDF documents. Unfortunately, Adobe does not offer Document Services on all certified SAP platforms. For SAP on IBM DB2 for z/OS Adobe Document Services are supported to run natively on Windows, AIX and Linux on System x Application Servers, but not natively on Linux on System z Application Servers. This paper provides the technical scenarios to use Adobe Document Services also with Linux on System z Application Servers.

The recommended approach is to install a Windows or AIX or Linux on System x dialog instance on one of your existing SAP systems on DB2 for z/OS.

This approach saves you from having to acquire other database licenses and additional database administration skills – which reduces TCO.

Please see on the following SAP SDN (SAP Developer Network) webpage:

(Please note that the whitepaper is located on SAP Developer Network (SDN).

You might need to register (for free without addition to any mailing lists) with SAP SDN to access the paper.)

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/2083cedc-e608-2b10-aa8f-e6a46bcee17c>

- **SAP Technical Document: Streamlining DB2 Connect for SAP**

Abstract:

Focusing on the strategically valuable CLI and JDBC drivers, also called “Thin Client” of the latest DB2 Connect version (9.5)

Please see on the following SAP SDN (SAP Developer Network) webpage:

(Please note that the whitepaper is located on SAP Developer Network (SDN).

You might need to register (for free without addition to any mailing lists) with SAP SDN to access the paper.)

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/207c5c32-51ea-2a10-c7bc-bcfca74552d5>

- **Technical Paper: SAP® Application Server Consolidation on IBM System z™: Opportunity, Metrics, and Case Studies, WP101169, author: Mike Sheets, January 11, 2008**

Abstract: SAP customers never run just one SAP system – they run many. Part of the reason is that each production SAP system is part of a “flock” of SAP systems with associated non-production systems. These associated non-production SAP systems are for purposes such as development, test, training, and quality assurance. Customers may also have several of these flocks to service different geographies, lines of business, and functions such as SAP’s Business Intelligence Warehouse (BW). More recently, SAP has been introducing “confederations” of production systems. For example, SAP is beginning to require certain infrastructure SAP systems such as Enterprise Portal, Solution Manager, and Master Data Management. Some of SAP’s industry solutions, such as Retail, also require an associated BW system for operations. The result of all this is that the total number of SAP systems at each customer is growing over time.

This means that the total number of servers is growing as well – especially for large customers.



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However, typically these servers, especially the SAP Application Servers, have relatively low average utilization. If the peak utilizations happen at complementary times, these might be excellent candidates for server consolidation.

Over the past few years, the author has collected extensive utilization data from a dozen installations, both IBM and external customers, to investigate and quantify the opportunity for consolidating SAP Application Servers onto IBM's System z. The purpose of this paper is to discuss the opportunity in general, the data collection methodology, the development of appropriate metrics for quantifying consolidation opportunity, the necessary server virtualization characteristics, the results of the analysis, and conclusions.

<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101169>

- **Technical Paper: SAP® Transaction Banking: Measurements of IBM System z® DB Server Using DB2 V9.1 for z/OS, WP101003, document owner: Mike Sheets, June 2007¹**
<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101003>
- **Technical Paper: Planning and Preparation Guide for SAP NetWeaver 7.0 (aka 2004s) Web AS 7.0: z/OS Implementation, WP100814, author: Albert Rodi, revised 2007-06-06**
<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP100814>
This document provides an overview of the infrastructure preparation steps necessary for implementing an SAP environment on System z. A slide set for presentation highlights the material contained in the document.
- **Technical Paper: SAP Performance Review / System Health Check, TD102459, revised 2007-05-15, author: Albert Rodi,**
<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/TD102459>
SAP Performance Review/System Health Check provides a step by step approach for analyzing a current SAP on System z environment from an infrastructure point of view. This guide will allow identification of areas that are possible causes of performance issues, guarantee conformance with the latest IBM/SAP recommendations, and allow periodic proactive review of the system to avoid common problems.
- **Technical Paper: IBM System z9™ zIIP Measurements: SAP® OLTP, BI Batch, SAP BW Query, and DB2 Utility Workloads**
author: Mike Sheets, October 2006
<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP100836>
- **Technical Paper:**
SAP BW and DB2 for z/OS V8, TIPS0577, 2006-03-14, ISBN: 0738496405;
<http://www.redbooks.ibm.com/abstracts/tips0577.html>

Abstract: Best Practices - Top Ten SAP BW recommendations

Here are a base set of recommendations for SAP BW implementations on DB2 z/OS.

Customers who follow these recommendations have demonstrated greater maintenance and

¹ Dates denote publish date, or – if the document was revised – date of last update



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

query stability, resulting in better performance of the zSeries SAP BW installation

For related information about this topic, refer to the following IBM Redbooks

publication: [Best Practices for SAP Business Information Warehouse on DB2 for z/OS V8, SG24-6489-00](#)

- Technical Paper:
SAP® Application Server Measurements on IBM eServer zSeries
Using Linux for zSeries and z/VM, WP100722, 2006-02-10²
[Link to http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100722](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100722)
- Measurements of SAP ECC 5.0 with Unicode on IBM eServer zSeries
Using DB2 for z/OS V8, WP100635
<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100635>
- Tips for Installing DB2 Connect V8 on SAP with DB2 UDB for z/OS V8,
2005-04-07
<http://www.ibm.com/support/docview.wss?rs=64&uid=swg27005934>
- SAP Account Management for Banking: Measurements of IBM eServer zSeries
DB Server with Application Server Using totalStorage Enterprise Storage Server
and DB2 for z/OS V8: WP100545, 2005-02-11
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100545](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100545)
- SAP Account Management for Banking: Measurements of IBM eServer zSeries
z/OS DB Server WP100459, 2004-11-02
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100459](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100459)
- IBM eServer zSeries z/OS Upgrade from SAP Release 4.6C:
Measurements, Advice, and Sizing: WP100404, 2004-07-27
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100404](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100404)
- SAP BW Query Performance with DB2 on zSeries: WP100322, 2003-11-16
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100322](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100322)
- Tuning SAP / DB2 / zSeries - Document Number: WP100287, 2003-09-20
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100287](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100287)
- zSeries IFLs and Linux in the SAP Environment –
What They Are, and How many Are Needed, WP100308, 2002,
[ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100308](http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100308)

² Dates denote publish date, or – if the document was revised – date of last update



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**Overview / Planning and Installation information
- Planning and Installation Guides -**

SAP Netweaver 7.10

[Planning Guide](#) (PDF 8 MB):

**SAP Planning Guide for SAP NetWeaver 7.10 for
IBM DB2 UDB for z/OS, V 2.2, October 08, 2007**

[Database Administration Guide](#) (PDF 19 MB):

**SAP Database Administration Guide for SAP NetWeaver 7.0, SAP NetWeaver 7.1 and above on
IBM DB2 UDB for z/OS, V 1.0, December 10, 2008**

[Security Guide](#) (PDF 304 kB):

SAP Security Guide for IBM DB2 for z/OS, V 1.0, November 29, 2007

SAP Netweaver 7.0 (2004S) and SAP Web AS 7.00

(This literature is available on SAP Service Marketplace under
<https://service.sap.com/instguidesNW70>

**and then switch to: - Installation -
and look in the middle of the page under:**

Additional Information

For IBM DB2 UDB for z/OS: See the [SAP Planning Guide for z/OS](#), the [SAP DBA Guide for DB2](#),
and the [SAP Security Guide for DB2 for z/OS](#).

Planning Guide:

**SAP Planning Guide for SAP NetWeaver 7.0 (2004S) SR3 for
IBM DB2 UDB for z/OS, V 1.1, April 10, 2008**

Database Admin Guide:

**SAP Database Administration Guide for SAP NetWeaver 7.0 (2004S) SR3 on
IBM DB2 UDB for z/OS, V 1.3, July 28, 2008**

SAP Security Guide on z/OS:

SAP Security Guide for IBM DB2 for z/OS, V 1.10, August 28, 2007



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**Extract of
actual SAP PAM (Product Availability Matrix)
for SAP NetWeaver 7.0 (2004S)
(only SAP on System z related foils), updated March 24, 2009**

OS/DB Product Availability Matrix for SAP NetWeaver 7.0

	Windows (*8)				AIX		HP-UX				Solaris		Linux SUSE SLES9, SLES 10, Red Hat EL 4, 5				z/OS IBM i	TRU64				
	Server 2003 on IA64 64bit	Server 2003 on x64 64bit	Server 2003 on IA64 64bit	Server 2003 on IA64 64bit	Server 2008 on x64 64bit	5.2, 5.3 64bit	6.1 64bit	11.11 on PA-RISC 64bit	11.23 on PA-RISC 64bit	11.31 on PA-RISC 64bit	11.31 on PA-RISC 64bit	11.23 on IA64 64bit	11.31 on IA64 64bit	9, 10 on SPARC 64bit	10 on x64 64bit	IA32 32bit	IA64 64bit	x86_64 64bit	Power 64bit	(No Red Hat EL-4) System z 64bit	V5R3, 5.4, 6.1 64bit	1.6, 1.7, 1.8, 1.9, 1.10 64bit
Unicode/Non-Unicode	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	-	+/+
Oracle 10.2 (*3)	X	X	X	-	Q1	X	X	X	X	X(*7)	X	X	X	X	X	X	X	X	X	-	-	-
SQL Server 2000 (*12)	X	X	X(*9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2005 (*10)	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2008	-	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DB2 LUW V8	X	X	X	-	-	X	X	X	X	-	X	-	X	-	X	X	X	X	X	-	-	-
DB2 LUW V9.1 (*15)	X	X	X	X	X	X	X	-	X	-	X	X	X	-	X	X	X	X	X	-	-	-
DB2 LUW V9.5 (*15)	-	-	X	X	X	X	X	-	-	-	X	X	X	X	-	-	X	X	X	-	-	-
MaxDB 7.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
MaxDB 7.7 (*17)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
DB2 for i5/OS V5R3, DB2 for i 5.4, 6.1 (*4)	APP	-	APP	-	APP	-	-	-	-	-	-	-	-	-	-	-	-	APP	-	X	-	-
DB2 for z/OS V8, V9 (*7)	APP (*5)	-	APP	-	APP	APP	APP	-	-	-	-	-	-	-	-	-	APP (*6)	-	APP	-	-	HA(*1) DB

X	Available for DB and APP	APP	Not for DB server. Application server with whole SAP NetWeaver stack only.
P	Planned	DB	Database Server only
-	Deprecated (Not recommended for productive use)	HA	High Available Solution only
-	Neither supported nor planned	x64	X64 and x86_64 represent the same hardware

Legend for SAP NetWeaver 7.0

Legend:

- (*1) See SAP note 821904 „Separating SCS instances for ABAP and J2EE”
- (*3) See SAP note 720886 “Oracle Database 10g: Integration in the SAP environment”. For Double-Byte code pages see SAP note 858869 „Desupport of multibyte character sets as of Oracle 10g”.
All availability information applies to new installations of SAP Solution Manager 4.0 too. For information about the upgrade to SAP Solutions Manager 4.0 please refer to <http://service.sap.com/pam>
- (*4) For upgrade start system on ASCII or Unicode required
- (*5) Non Unicode available only
- (*6) Linux SLES and Linux RHEL 5 (not RHEL 4) available.
- (*7) incl. DB2 Data Sharing Support
- (*8) English version only. See SAP note 362379 “Localized Windows & MUI Support for SAP Software on Windows”.
- (*9) DB server 32-bit only
- (*10) See SAP note 905634 „Release planning for Microsoft SQL Server 2005” for more details
- (*11) Planned availability with DB2 for LUW 9 FP3
- (*12) No new installations anymore
- (*13) DB2/UDB renamed to DB2 Linux Unix Windows (LUW)
- (*14) Planned for SAP NetWeaver SR2
- (*15) With SR3 available for installations only
- (*16) Non-Unicode: Dialog Instances only
- (*17) With SR3

Note:

- PI-PCs do run on the same platforms as PI
- Platform coverage of IGS is identical to the coverage of Usage Type „AS Java” and „AS ABAP”



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

JDK support for SAP NetWeaver 7.0



- JDK 1.4.2 available from different partners

Vendor	Operating System	Hardware	Bit	Provider
Microsoft	Windows	IA32	32	Sun
		IA64	64	Sun
		x64	64	Sun
Red Hat/ SUSE	Linux	IA32	32	Sun
		x86_64	64	IBM
		IA64	64	Sun
		zSeries	64	IBM
		pSeries	64	IBM
		iSeries	64	IBM
Sun	Solaris	SPARC	64	Sun
		x64	64	Sun
HP	HP-UX	PA-RISC	64	HP
		IA64	64	HP
IBM	AIX	pSeries	64	IBM
	i5/OS	iSeries	64	IBM

- For server-side only
- NWDS also requires JDK 1.4.2 installed on the client side
- Access to the servers graphical interface is not supported (“headless” mode)

© SAP 2008 / SAP NetWeaver 7.0 PAM / 24 March 2009, Page 4.

OS/DB Product Availability Matrix for SAP NetWeaver MDM 5.5



	Windows (*5)			AIX (*1)	HP-UX (*1)	Solaris (*1)	Linux SUSE SLES9, SLES10 (*1), RedHat EL 4, 5 (*1)				i5/OS	z/OS	TRU64	
	Server 2003 on IA32 32bit	Server 2003 on IA64 64bit	Server 2003 on x64 64bit	5.3 64bit on Power 4, 5	PA-RISC 64bit 11.11, 11.31 on IA64 64bit	10 on SPARC 64bit	IA32 32bit	IA64 64bit	x86_64 64bit	Power 64bit	(SLES9 only on zSeries 64bit)	V5R3, V5R4 64bit	1.6, 1.7, 1.8, 1.9 64bit	
32-/64-Bit	32	64	64	64	64	64	32	64	64	64	64	64	64	
Oracle 9.2	X	-	X	X	X	-	X	-	-	X	X	-	-	-
Oracle 10.2	X	-	X	X	X	X(*3)	X	-	-	X	X	-	-	-
SQL Server 2000	X	-	X	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2005	X	-	X	-	-	-	-	-	-	-	-	-	-	-
DB2/LUW 8, 9.1 (*6)	X	-	X	X	X	X(*4)	X	-	-	X	X	-	-	-
MaxDB 7.7 (*2)	-	-	X	X	X	X(*3)	X	-	-	X	X	-	-	-
DB2 for i5/OS V5R3, V5R4	-	-	APP(*2)	-	-	-	-	-	-	-	APP(*4)	DB	-	-
DB2/zOS V8, V9	-	-	APP(*2)	APP(*3)	-	-	-	-	-	APP(*4)	-	-	DB	-
Informix	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**News for SAP Business Suite
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SAP Netweaver 2004 and SAP Web AS 6.40

(This literature is available on SAP Service Marketplace under service.sap.com/instguides and then switch to SAP NetWeaver – Release '04 – Installation – SAP Web AS)

SAP Netweaver 2004 and SAP Web AS 6.40

Planning Guide:

**SAP Planning Guide for SAP NetWeaver 2004 SR1 for
IBM DB2 UDB for z/OS, V 6.0, October 9, 2007**

Database Admin Guide:

**SAP Database Administration Guide for SAP NetWeaver on IBM DB2
for z/OS, SAP NetWeaver 2004 Patch Collection – All Editions
V 1.3, July 28, 2008**



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

**Extract of
actual SAP PAM (Product Availability Matrix)
for SAP NetWeaver 2004 SR1
(only SAP on System z related foils), updated March 13, 2009**

SAP NetWeaver 2004 SRx PAM

	Windows						Linux						AIX	HP-UX			Solaris		z/OS	IBM i	TRU 64						
	2000 Server on IA32 32bit	Server 2000 on IA-32 32bit	Server 2000 on IA-64 64bit	Server 2003 on x64 64bit	Server 2008 on IA-64 64bit	Server 2008 on x64 64bit	LUW/SLES9, RHEL5, IA-64 64bit	SLES 9, RHEL5 EL 3 on IA-64 64bit	SLES 9, 10 on IA-64 64bit	RHEL5 EL 4, 5 on IA-64 64bit	SLES 9, 10 on x86_64 64bit (v)	RHEL5 EL 4, 5 on x86_64 64bit (v)	SLES 9, 10 on Power 64bit	SLES 9, 10 on System 64bit	5.1.5.2, 5.3, 6, 64bit	11.0 on PA-RISC 64bit	11.11 on PA-RISC 64bit	11.23 on PA-RISC 64bit	11.31 on PA-RISC 64bit	11.31 on IA-64 64bit	8 on SPARC 64bit	10 on SPARC 64bit	10 on x64 64bit	1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10 32bit	V5R2, V5R3, 5.4, 6.1 64bit	5.14, 5.15 64bit	
32/64-bit	32	32	64	64	64	64	32	#	64	#	64	#	64	#	64	#	64	#	64	#	64	64	64	32	64	64	
Oracle 9.2	X	X	X				X	X	(xiii)	X	(xiii)	X	(xiii)	X	X	X	X	X	X	X	X	X				X (vi)	
Oracle 10.2	X	X	X	X			X		X	X	X	X	(xiii)	X	X	(ix)	X	X	X	X	X	X	X	(*)	(xv)		X (vi)
M S SQL Server 2000	X	X	X	X	(x)																						
M S SQL Server 2005	X	X	X	X																							
DB 2/LUW 8 (xvi)	X	X	X	X			X	X	X	X	X	X	X	X	X	X					X	X					
DB 2/LUW 9.1 (xvi)		X	X	X			x	(xiii)	X	X	X	X	X	X	X	(ix)		X	X	X	X	X					
DB 2/LUW 9.5 (xvi)		X	X	X			x	(xiii)	X	X	X	X	X	X	X	(ix)		X	X	X	X	X					
M axD B 7.5, 7.6	X	X	X	X			X	X	X	X	X	X	X	X	X	(ix)	X	X	X	X	X	X					(vi)
M axD B 7.7		Q2	Q2	Q2				Q2	Q2	Q2	Q2	Q2	Q2	Q2	Q2	(ix)	Q2	Q2	Q2	Q2	Q2	Q2					(vi)
DB 2/zOS 8 (xii)	X	X												X	X										X	(**)	
DB 2/zOS 9 (xii)	X	X												X	(ix)										X	(**)	
DB 2 for i5/OS V5R2, V5R3 (**)					X																						
DB 2 for i 5.4, 6.1	X	X			(vii)																						X
Informix 9.4 (***)	X	X					X								X	(ix)	X	X	X	X	X	X					(vi)
Informix 10.0 (***)	X	X					X								X	(ix)	X	X	X	X	X	X					(vi)
Informix 11.50 (***)	X	X					(xvii)								X	(*,ix)	X	X	X	X	X	X					

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■ deprecated

Legend and Comments related to previous slide

Legend:

- X Released To Customer
- U Unrestricted Shipment
- 1-12, Qx Planned Month or quarter in 2007
- D Deprecated - For customers already using this DB/OS combination in previous releases only. Not supported with next SAP release.
- (*) No AIX 5.2
- (**) For upgrade start system on ASCII or Unicode required
- (***) SAP Web AS & SAP BW only, no Unicode and no support for Java components
- (iv) No Solaris/SPARC 8
- (v) x86_64=Intel Nocona and AMD Opteron processor
- (vi) ABAP stack available only. Java not planned
- (vii) min. V5R3 required
- (viii) No HP-UX 11.23 PA-RISC
- (ix) No AIX 5.1
- (x) DB server on 32bit only
- (xi) See SAP note 905634
- (xii) Incl. DB2 Data Sharing Support
- (xiii) Linux SLES 9, 10 only
- (xiv) Solaris 9 only
- (xv) As Dialog application server for ABAP kernel only
- (xvi) DB2/UDB renamed to DB2/Linux Unix Windows (LUW)
- (xvii) Available on Linux RHEL 4, 5 and SLES 10 on IA32
- Platform combination not supported

- SAP XI 3.0 supports Unicode platforms only
- Follow-on DB/OS releases will be released as usual
- JDK Versions are specified in the Installation guides
- Windows english version only
- Platform coverage of IGS is identical to Web AS

This PAM represents current planning for NW only and not for the SAP products using NW and can be subject to further changes without further notice

SAP 2008 / SAP NetWeaver 7.0 PAM / 13 March 2009, Page 3



**News for SAP Business Suite
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**SAP R/3 with Database Server DB2 for OS/390 and z/OS
(< SAP Netweaver '04 / 6.40)**

Planning Guide:	IBM: SC33-7965-03	SAP R/3 on DB2 UDB for OS/390 and z/OS Connectivity Guide
	Status:	available
Planning Guide:	IBM: SC33-7959-02	SAP R/3 on DB2 UDB for OS/390 Planning Guide (SAP Web Application Server 6.20)
	Status:	available
Planning Guide:	IBM: SC33-7959-00	SAP R/3 on DB2 UDB for OS/390 Planning Guide (SAP Web Application Server 6.10)
	Status:	available since august 26, 2001
Planning Guide	IBM: SC33-7966-04	Planning Guide 4.6D SAP R/3 on DB2 for OS/390: Planning Guide SAP R/3 Release 4.6D
	Status:	available
Planning Guide	IBM: SC33-7966-02	Planning Guide 4.6C SAP R/3 on DB2 for OS/390: Planning Guide SAP R/3 Release 4.6C
	status:	available
Planning Guide	IBM: SC33-7966-01 SAP: 51006841	Planning Guide 4.6B SAP R/3 on DB2 for OS/390: Planning Guide SAP R/3 Release 4.6B
	status:	available



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

Additional useful literature for implementing SAP on System z

IBM Overview	G544-5696-01	Info Print Server Introduction Brochure
IBM Redbook	SG24-6234-00 status:	z/OS Infoprint Server Implementation available since september 25, 2001
IBM Redpaper	REDP0160 status:	zSeries HiperSockets Implementation available since december 02, 2001
IBM Redbook	SG24-5443-00 status:	S/390 OSA Express Gigabit Ethernet Implementation Guide available
IBM Redbook	SG24-5448-01 status:	OSA Express Implementation Guide available since march 30, 2001
IBM Redbook	SG24-3687-03 status:	TCP/IP for MVS Implementation Guide available
IBM Redbook	SG24-5235-00 status:	TCP/IP in a SYSPLEX available
IBM Redbook	SG24-5447-00 status:	Networked Applications on OS/390 UNIX available
IBM Redbook	SG24-5631-00 status:	Secureway Communicationsserver for OS/390 V2R8 TCP/IP Guide available
IBM Redbook	SG24-2241-01 status:	IMPLEMENTING SNAPSHOT available
IBM Redbook	SG24-5268-00 status:	DFSMSdss SnapShot and Virtual ConcurrentCopy available
IBM Redpiece	SG24-6405-00 status:	IBM Content Manager CommonStore for Domino, Exchange and SA available since october 3, 2001



**News for SAP Business Suite
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**Other IBM Redbooks
concerning High Availability with SAP R/3 and S/390**

zSeries:

SG24-2079-00	Parallel Sysplex Operational Scenarios (Dec. 2, 1998)
SG24-5637-00	OS/390 Par. Sysplex Configuration, Vol.1: Overview (Sep. 12, 2000)
SG24-5638-00	OS/390 Par. Sysplex Configuration, Vol.2: Cookbook (Sep. 12, 2000)
SG24-5639-00	OS/390 Par. Sysplex Configur., Vol. 3: Connectivity (Sep. 12, 2000)
SG24-4502-00	PAR. SYSPLEX CONT. AVAIL. PRES. GUIDE (1995)
SG24-4503-00	PAR. SYSPLEX CONT. AVAIL. SE GUIDE (1995)
SG24-4514-00	A COMPARISON OF SYSTEM/390 CONFIGURATIONS - PARALLEL AND TRADITIONAL (1995)
SG24-4776-00	JES3 IN A PARALLEL SYSPLEX (1996)
SG24-5441-00	Parallel Sysplex Automation Guidelines (updated 04 / 2000)
SG24-5442-00	Parallel Sysplex Automation: Using System Automation for OS/390 (09 / 1999)

pSeries and RS/6000:

SG24-4498-00	HACMP/6000 Customization Examples
SG24-4551-00	HIGH AVAILABILITY ON THE RISC SYSTEM/6000 FAMILY
SG24-4838-00	RS/6000 SP HIGH AVAILABILITY INFRASTRUCTURE
SG24-4742-00	IMPLEMENTING HIGH AVAILABILITY ON RISC/6000 SP
SG24-4873-00	RS/6000 SP MONITORING: KEEPING IT ALIVE

xSeries and PC Server/NT:

SG24-4760-03	IBM NETFINITY AND PC SERVER TECHNOLOGY AND SELECTION REFERENCE
SG24-5170-00	High Availability for SAP R/3 on NT Servers
SG24-5431-00	Backup Solutions for Netfinity and SAP R/3 on WinNT

Systems Management/Tivoli:

SG24-2032-00	IMPLEMENTING TME 10 IN HIGH AVAILABILITY ENV.
SG24-2071-00	INTEGRATING TME 10 ON THE RS/6000 SP
SG24-5298-00	Managing SAP R/3 with TIVOLI

You can find redbooks online via www.redbooks.ibm.com . Drafts of not already published redbooks but which are under development are available via www.redbooks.ibm.com as “redpieces”.

Other books concerning SAP on System z can be found via
<http://www.ibm.com/servers/eserver/zseries/software/sap/docu.html>



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

**Additional useful literature concerning SAP knowledge
from SAP Press (Galileo Press)**

There is a series of books available from the publisher Galileo Press produced together with SAP. Info about these books via a monthly SAP Press Newsletter can be requested by sending your email address to SAP Press c/o Galileo Press, Gartenstr. 24, D-53229 Bonn, Germany.

Members of DSAG can order online with DSAG terms and conditions (rebate of 15%, without shipment costs) via www.sap-press.de/dsag .

SAP Expertenwissen - Die offizielle SAP-Zertifizierungsreihe
(SAP expert knowledge - the official SAP certification series)

SAP Web Application Server, german

Entwicklung von Web-Anwendungen

Author: Frédéric Heinemann, Christian Rau, language german,
January 2003, ISBN 3-89842-213-5, 556 pages, with 2 CDs, €59,90

mySAP Technology, german

Einführung in die neue Technologie-Plattform der SAP

Author: Günther Färber, Julia Kirchner, language german,
2002, ISBN 3-89842-266-6, about 300 pages, €49,90

mySAP Technology, english

Introduction into the new technology platform of SAP

Author: Günther Färber, Julia Kirchner, language english,
January 2003, ISBN 1-59229-009-4, about 300 pages, €59,90

SAP GUIDE Systemadministration, german

Schritt für Schritt Anleitungen für die Praxis

Author: SAP Labs, language german,
2002, ISBN 3-89842-208-9, about 792 pages, €59,90

Release 4.6 with a view to R/3 Enterprise!

SAP R/3 Systemadministration -

Basiswissen für das SAP R/3-Systemmanagement, german

Author: Liane Will, Sigrid Hagemann; language german,
2003 update, ISBN 3-89842-308-5, 564 pages, €59,90 (updated and extended)

SAP R/3 Systemadministration, english

Author: Liane Will, Sigrid Hagemann, language english,
March 2003, ISBN: 1-59929-014-0, 520 pages, €59,95



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

SAP BW Performance Optimization Guide, english

[T. Schröder](#)

SAP PRESS

452 pages., 2006, 69,95 Euro, ISBN 1-59229-080-9

Provides basics as well as practical guidance for analysis and tuning of SAP BW 3.5

- Contains in-depth description of BW data model, sizing, system load analysis, and DB indices
- Shares insider knowledge on reporting performance, aggregates, compression, partitioning, and ETL performance

Finally, a detailed reference that gives administrators expert instruction to analyze and optimize performance in SAP BW. All the BW basics are covered such as architecture and data modelling, plus the ins and outs of systematic performance analysis, as well as volumes of valuable data design tips.

Readers get an in-depth introduction to SAP BW indices, statistics, and database optimizers and learn about the key aspects of reporting performance. Full-length chapters deal with aggregates as well as extraction and loading performance. Plus, of course, the mission-critical topics of compression and InfoCube partitioning are discussed extensively. The depth and breadth of the information in this book, together with practical guidance that you can use right away, gives administrators the tools to analyze and tune BW performance immediately.

SAP Business Intelligence, german

Aktuell zu SAP NetWeaver 2004s

[Norbert Egger](#), [Jean-Marie R. Fiechter](#), [Sebastian Kramer](#), [Ralf Patrick Sawicki](#), [Peter Straub](#), [Stephan Weber](#)

SAP PRESS

660 pages, 2006, 69,90 Euro, ISBN 3-89842-790-0

- **Kompakter Gesamtüberblick über alle Neuerungen**
- **Umfassende Informationen zu SAP Visual Composer und BI Accelerator**
- **Aktuell zu Release SAP NetWeaver 2004s BI**

Dieses Buch informiert Sie über alle wichtigen Neuerungen im neuen Release SAP NetWeaver 2004s ("BI 7.0"). Sie erhalten einen fundierten Einblick in alle wichtigen Themenkomplexe von SAP BI und werden so in die Lage versetzt, schnell und sicher mit dem neuen Release arbeiten zu können. Ob bewährte Themen wie SAP BW, Datenmodellierung, ETL, Web Reporting und Planung oder aber neue Funktionalitäten und Konzepte – dieses Buch ist Ihr zuverlässiger Begleiter. Sowohl das nötige Grundlagenwissen als auch Detailfragen werden Ihnen kompetent erläutert und durch Praxisbeispiele und zahlreiche Abbildungen illustriert. Praktische Schritt-für-Schritt-Anleitungen ermöglichen Ihnen dabei die schnelle und einfache Bedienung auch neuer Funktionalitäten (z.B. des Visual Composer).



**News for SAP Business Suite
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SAP NetWeaver, german

[Steffen Karch](#), [Loren Heilig](#), [Christian Bernhardt](#), [Andreas Hardt](#), [Frank Heidfeld](#),
[Roland Pfennig](#)

SAP PRESS, 336 Seiten., 2005, geb., 59,90 Euro, ISBN 3-89842-608-4

Dieses erste deutschsprachige Buch zu SAP NetWeaver aus der Reihe SAP NetWeaver ESSENTIALS erläutert Beratern und IT-Managern die Konzepte, die hinter SAPs Technologieplattform stehen. Anhand von vier ausführlich dokumentierten Kundenbeispielen aus verschiedenen Branchen erhalten Sie tiefe Einblicke, wie mit SAP NetWeaver langfristig Geschäftsprozesse optimiert und neu gestaltet werden können. Auch die Technik kommt nicht zu kurz: Zu jeder Komponente werden Ihnen die Architektur und die wichtigsten technischen Fragestellungen erläutert. Ein eigenes Kapitel ist der Frage gewidmet, wie SAP NetWeaver zur Senkung der IT-Kosten und zur Umstrukturierung Ihres IT-Budgets hin zu mehr Innovation beiträgt.

SAP NetWeaver Roadmap, english

[S. Karch](#), [L. Heilig](#), [C. Bernhardt](#), [A. Hardt](#), [F. Heidfeld](#), [R. Pfennig](#)

SAP PRESS, 312 pages., 2005, geb., 69,95 Euro, ISBN 1-59229-041-8

This much-anticipated new book helps you understand each of SAP NetWeaver's individual components and illustrates, using practical examples, how SAP NetWeaver, and its various levels of integration, can be leveraged by a wide range of organizations.

Readers benefit from in-depth analysis featuring four actual case studies from various industries, which describe in detail how integration with SAP NetWeaver can contribute to the optimization of a variety of essential business processes. Discover expert insights on the steps necessary for a successful SAP NetWeaver implementation and find out how to accurately gauge the benefits that can be realized within your own organization.

Finally, comprehensive, detailed coverage of SAP NetWeaver technology gives you the complete picture in terms of architecture and helps you understand the full functionality of each individual component.



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

SAP Enterprise Services Architecture, german
SAPs Bauplan für Geschäftsapplikationen
Author: Dan Woods
2004, ISBN 3-89842-508-8, about 200 pages, €49,90

Enterprise Services Architecture

SAPs Bauplan für Geschäftsapplikationen der nächsten Generation

[Dan Woods](#)

SAP PRESS

200 S., 2004, geb.
49,90 Euro, ISBN 3-89842-508-8

Service-orientierte Software: Bausteine für die Zukunft Ihres Unternehmens

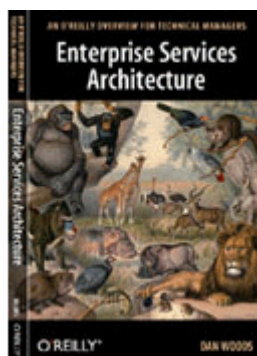
Dieses Buch stellt Ihnen SAPs Zukunftsmodell für service-orientierte Geschäftsapplikationen auf Basis von SAP NetWeaver vor. Mit der Enterprise Services Architecture (ESA) beschreibt die SAP ein Konzept, das in seiner Tragweite dem Entwurf der Three-Tier-Architektur Anfang der Neunziger Jahre um nichts nachsteht: So wird es in Zukunft keine monolithischen Großanwendungen mehr geben, sondern handliche Einzelapplikationen pro Geschäftsprozess (im Fall von SAP: xApps), die sich – basierend auf Webservice-Standards – miteinander austauschen und vernetzen.

Das Buch erläutert ausgehend vom Grundkonzept der ESA, welche Leistungen service-orientierte Applikationen erbringen können und wie der Business Case für ESA-Anwendungen aussieht; es erläutert den Aufbau dieser Applikationen und die Anforderungen an die Plattform, auf der sie laufen. Schließlich erfahren Sie, wie Sie auf sanfte Art damit beginnen können, die IT Ihres Unternehmens Stück für Stück mit service-orientierten Applikationen umzubauen.

SAP Enterprise Services Architecture, english

Author: Dan Woods

September 2003, €29,00



Enterprise Services Architecture
By Dan Woods
September 2003

Enterprise Services Architecture outlines a disciplined and structured approach to understanding how today's enterprise applications will make use of web services. This book, aimed at senior management and IT professionals, presents a forward-looking architecture that can meet future development challenges with ease and agility. This book was commissioned by SAP and will be used by SAP to promote their products. We're making it available through our retailers because we believe the information in it is of interest to readers outside of SAP's immediate sphere.

Price: **29,00 EUR per Piece**



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

SAP System Operations, english

Authors: M. Missbach, R. Sosnitzka, J. Stelzel, M. Wilhelm

2004, ISBN 1-59229-025-8, about 350 pages, €79,95

SAP System Operations

[M. Missbach](#), [R. Sosnitzka](#), [J. Stelzel](#), [M. Wilhelm](#)

SAP PRESS

355 S., 2004, geb.

79,95 Euro, ISBN 1-59229-025-8

Practical solutions to streamline 24/7 operations Advice to conquer your biggest change management challenges Service Level Agreements, disaster recovery, security and more.

With system landscapes becoming increasingly more complex, administering them efficiently is proving equally difficult. This unique new book provides you with concepts and practical solutions that will enable you to optimize your SAP operations. Get in-depth information to set up a viable Standard Operation Environment (SOE) for SAP systems, as well as time-saving tips for certification and validation of your system landscape. Plus, benefit from and customize the numerous examples and case studies extracted from the worldwide operations of many large SAP customers.

Take advantage of proven solutions, exclusive tips, and practical examples that enable you to better organize your SAP operations. Learn to streamline 24/7 operations, exploit Service Level Agreements (SLAs), conquer change management challenges, and tackle disaster recovery and security concerns with confidence. You'll also discover expert training recommendations for the management of IT processes. Plus, read about real-world, cross-industry customer insights on the pros and cons of outsourced solutions for your system operation tasks. Although SAP System Operations primarily focuses on SAP systems, you can apply many of the principles found in this indispensable reference book to other ERP and mission-critical software solutions.



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

SAP System Landscape Optimization,

Author: A. Schneider-Neureither, language english,
2004, ISBN 1-59229-026-4, 220 pages



SAP System Landscape Optimization

[A. Schneider-Neureither \(Ed.\)](#)

SAP PRESS

220 S., 2004, geb.
79,95 Euro, ISBN 1-59229-026-4

Rapid ROI by use of efficient systems

Optimization of architecture, business processes and support

Including first-hand information on NetWeaver system landscapes

This reference book serves as an essential collection of insights, procedures, processes and tools that help you unlock the full potential of your SAP systems. First, hit the ground running with a detailed introduction to SAP NetWeaver and the mySAP Business Suite. Then, elevate your mastery of key concepts such as system architecture, security, Change and Transport Management, to name just a few. All of the practical advice and detailed information provided is with a clear focus on helping you guide your team to achieve a faster return on investment.

The authors place a strong emphasis on architecture, software, service and support, as well as solution management -- each of which is thoroughly examined. Readers will also acquire an extensive understanding of concepts related to the optimization of key business processes by learning about performance, System Landscape Optimization (SLO), Workflow/WebFlow, and much more. This indispensable and easy-to-read guide can be consulted again and again.



**News for SAP Business Suite
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Version 2009Q1, status of March 2009**

SAP Performanceoptimierung,

Analyse und Tuning von SAP Systemen, german

Author: Thomas Schneider, language german,

Updated 2003, ISBN 3-89842-357-3, €59,90, 527 pages, 3rd edition (updated and extended)

SAP R/3 Performance Optimization Guide: The Official SAP Guide, english

Author: Thomas Schneider, language english,

ISBN: 1-59229-022-1, about 500 pages, €59,95, 3rd edition (updated and extended)

Einführung von SAP R/3 mit ASAP -

Technische Implementierung von SAP R/3 planen und realisieren, german

Author: Hartwig Brand, language german, ISBN 3-9343-5816-0, €59,90

SAP R/3 implementation with ASAP: The Official SAP Guide, english

Author: Hartwig Brand, language english, 512 pages

- Bk&Cd Rom (Januar 1999) Sybex Inc; ISBN: 0-7821-2427-5, €59,90

SAP R/3 Änderungs- und Transportmanagement,

R/3 Systemlandschaft implementieren und warten, german

Authors: Sue McFarland Metzger, Susanne Röhrs

2000, ISBN: 3-9343-5842-X, about 690 pages, with CD, €59,90

Sicherheit und Datenschutz mit SAP-Systemen,

Maßnahmen für die betriebliche Praxis, german

Authors: Werner Homberger, Jürgen Schneider

436 pages, Galileo Press; ISBN: 3-9343-5822-5, €61,30

SAP-Systembetrieb, german

Standard Operation Environment für mySAP- und R/3 Enterprise Systeme

Author: Michael Mißbach, Mathias Wilhelm

March 2003, ISBN 3-89842-297-6, 357 pages, €79,90

mySAP HR, german

Technische Grundlagen und Programmierung

Authors: Ewald Brochhausen, Jürgen Kielisch, Jürgen Schnerring, Jens Staeck

December 2002, ISBN 3-89842-335-2, about 400 pages, €59,90

Hardware-Lösungen für SAP Systeme, german

Entwicklung von Web-Anwendungen

Authors: Michael Mißbach, Uwe M. Hoffmann

2001, ISBN 3-89842-124-4, about 450 pages, €99,90

Datenarchivierung mit SAP, german

Praktisches Handbuch für Archivierungsprojekte

Author: Helmut Stefani

2002, ISBN 3-89842-212-7, about 375 pages, €59,90

Archiving your SAP Data, english



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

Author: Helmut Stefani

January 2003, ISBN 1-59229-008-6, about 360 pages, €59,90

SAP Service and Support, german

Kontinuierliche Kundenzufriedenheit im Fokus

Author: Gerhard Oswald

2006, 3rd Edition, ISBN 3-89842-788-9, about 315 pages, €59,90

SAP Service and Support, english

G. Oswald

SAP PRESS

304 pages, 3., aktualisierte Auflage 2006, geb., 59,95 Euro, ISBN 1-59229-089-2

Completely new and extended edition

- **Information on all SAP services and support offerings, on maintenance strategy, and on SAP TCO Framework**
- **Numerous customer scenarios illustrating the usage of service and support offerings**

This all-new third edition provides information on SAP's complete service portfolio—the services that support the entire life-cycle of your SAP solution. You learn everything about the full scope of support offerings including SAP Standard Support, SAP Premium Support, and SAP MaxAttention, as well as the detailed maintenance strategy for your SAP solutions.

The methodology and infrastructure for enhancing the value of your SAP solution is also dealt with: You get a complete overview over the SAP TCO Framework, plus detailed insights in the interaction between SAP Solution Manager and SAP Service Marketplace.

The core section of this newest edition remains an extensive chapter loaded with practical examples. Using 12 actual customer case studies, the authors show you how to use services and support offerings to execute new business strategies, cut project costs, or create better user experience and satisfaction—in the long term, this translates into low TCO and high ROI.

Datenmigration in SAP R/3, german

Migrieren Sie Ihre Daten ohne Programmieraufwand

Author: Michael Willinger, Johann Gradl

2003, ISBN 3-89842-364-6, about 300 pages, €79,90

SAP-Systemlandschaften optimieren, german

Schneller ROI durch optimierte Systeme

Author: Andreas Schneider-Neureither,

December 2003, ISBN 3-89842-409-X, about 250 pages, €79,90

SAP R/3 Reporting, german

Berichte erstellen – Reportingtools sinnvoll wählen und anwenden

Author: SAP Labs,

November 2003, ISBN 3-89842-209-7, about 400 pages, €59,90



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

SAP Bank Analyzer 3.0, german
Authors: Günther Färber, Julia Kirchner
2004, ISBN 3-89842-479-0, about 600 pages, €199,00

SAP Bank Analyzer 3.0

Gesamtbankinfrastruktur, IAS- und Basel II-Lösung der SAP

[Günther Färber](#), [Julia Kirchner](#)

SAP PRESS

613 S., 2004, geb.
199,90 Euro, ISBN 3-89842-479-0
sofort lieferbar

Spezialwissen für die Branche

Dieses Buch beschreibt erstmals detailliert und praxisnah die neue Gesamtbankinfrastruktur der SAP sowie die darauf aufbauende IAS-Lösung und Basel II-Lösung. Ausgehend von den komplexen betriebswirtschaftlichen Grundlagen und Anforderungen wird Ihnen die Konzeption und Architektur dieser umfangreichen Software, die Applikationsnutzung, das Customizing und die Administration bis hin zur programmiertechnischen Integration und Erweiterbarkeit erläutert. Der modulare Aufbau nach Themen und Interessensschwerpunkten ermöglicht Ihnen einen punktgenauen Informationsgewinn. Ob Sie nun Manager, Mitarbeiter aus der Fachabteilung, Berater oder Administrator sind, das Buch leistet Ihnen wertvolle Hilfestellungen.

... and much more other books for more application oriented themes, please have a look at
www.sap-press.de **or** www.sap-press.com

Additional SAP R/3 literature from ADDISON-WESLEY


Projektmanagement mit SAP R/3, ca. 300 Seiten, german
Author: Erich Dräger, ISBN 3-8273-1334-1, DM 89.90
(Project management with SAP R/3, approx. 300 pages)



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

IBM SAP Education
SAP and DB2 for z/OS database server

**The current available information is shown below in the
attached SAP NOTE 158875**

 Note 158875 - DB2-z/OS: Planned classes for SAP on DB2 for z/OS
Note Language: English Version: 65 Validity: **valid since 13.03.2009**

Summary

Course offering for SAP on DB2 for z/OS - planned classes training DB2 IBM
ADM530 ES53E1DE ES11E2DE System z

More Terms

Courses Classes Workshops SAP on System z S/390 zSeries information

Solution

**The information in this note does not replace any official information
provided by the education centers, and available on their according
web pages like the following: <http://www.ibm.com/services/learning>**

There may exist additional web pages, international or country-specific
ones.

The information here is only a summary from different sources.

As soon as a web page is available which offers an overview of the SAP on DB2 for
z/OS classes, this will be the source that you will have to refer to. Only the web
page will then be referenced here.

Restriction:

**Please be aware that this overview may not be complete, and that courses may be cancelled
or added at any time somewhere in the world, and this may not be reflected here!**

**Therefore please always check with the IBM Education Centers, or on the appropriate web
pages for the most current information.**

This note does not imply that these classes will actually take place, since this
depends on various factors.

ALWAYS verify if these are the most actual offerings.

All details, like course description, duration, language, etc may vary and must
therefore be checked!

Use this overview as a guideline, but not as the only source of education informa-
tion.

Following courses are offered or planned for SAP on DB2 for z/OS:

IBM Description Duration

Course

Number

ES11E2DE SAP NetWeaver on DB2 for z/OS: 3.0 days

Implementation and Installation

ES11AU SAP R/3 on DB2 for OS/390 Advanced currently no

Administration scheduled classes

ES53E2DE SAP NetWeaver on DB2 UDB for z/OS - 4.5 days

Database Administration

ES53AU SAP R/3 on DB2 for OS/390 Advanced currently no

ES53IN Administration scheduled classes

ES53PH

ADM530 SAP NetWeaver on DB2 UDB for z/OS:

Database Administration

Additional course suggestions offered by SAP:

SAPTEC Basic SAP Web AS



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ADM100 SAP Web Application Server Administration I
ADM315 Workload Analysis
Additional Courses for Student "SAP Certified":
TADM10 SAP NetWeaver - SAP Web AS Implementation and Operation I
TADM12 SAP NetWeaver - SAP Web AS Implementation and Operation II

Planned classes for SAP on DB2 for z/OS:

Course Country City Date Class Type Language

ES11E2DE SAP NetWeaver on DB2 for z/OS Implementation and Installation

ES11E2DE Germany Berlin 2009, 06/08-10 German

ES53E2DE SAP NetWeaver on DB2 UDB for z/OS: Database Administration

ES53E2DE Germany Berlin 2009, 05/25-29 German

ES53E2DE Germany Berlin 2009, 12/14-18 German

Whereas for previous courses you have to register with IBM Learning Services, please register for the following two ones directly by sending an email as described:

SAP NetWeaver on DB2 UDB for z/OS: Database Administration

ADM530 U.S.A. Dallas 2009, 05/11-15 English

To register, send an email to Rajeev Kamath (rvkamath@us.ibm.com), and include your E-Mail address, phone number, and job title.

ADM530 France Montpellier 2009, 05/25-29 English

To register, send an email to Philippe Deverge (deverge@fr.ibm.com), and include your E-Mail address, phone number, and job title.

* Class language: GE German, EN English

IBM INFO APAR II11352 / SAP R/3 Note 138906

InfoAPAR II11352 has been created by the Boeblingen lab to act as communication vehicle for important new technical information for R/3 on OS/390. This APAR will be updated regularly. Please have a look on regularly base on to this APAR. It is also available as SAP NOTE 138906.

Attached please find the current version 73 from june 22, 2004 of this SAP Note.

PS: For those who are not familiar with APARs: you need access to the IBM RETAIN system to access APARs.



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Note 138906 - DB2/390: Planning Info (release,connectivity matrix)

Note Language: English Version: 73 Validity: valid since 22.06.2004

Summary

Symptom

Information APARs II11352 and II12111 in IBM's RETAIN system provide information on current and planned SAP on DB2 for z/OS and OS/390 releases concerning communications protocol options and dependencies from z/OS or OS/390 releases, AIX releases, and DB2 versions.

Other terms

release matrix, planning information, z/OS, OS/390, ICLI, AIX, DB2,

II11352

Reason and Prerequisites

N/A

Solution Please note that Informational APARs II11352/II12111 in the IBM RETAIN system are the master source of this note.

This SAP note contains a copy of the information in APARs II11352 /

II12111 (make sure that this information is on the same level as there)

SAP R/3 ON DB2 FOR OS/390 MISC INFO AND INDEX TO OTHER APARS

SAP R/3 ON DB2 FOR OS/390 MASTER INFO SOURCE; DB2/390

Applicable to all releases of ICLI client and server

This APAR applies to SAP on DB2 for OS/390 and z/OS users only

The purpose of this APAR is to act as the master information source for SAP on DB2 for OS/390 and z/OS. It contains information on supported or planned release combinations, service recommendations, and more.

II11352: (last updated June 22, 2004 cgg)

II12111: (last updated June 22, 2004 cgg)

Contents

1. Overview
2. Operating System and DB2 release matrix as avail. or planned
3. Recommended service level
4. Miscellaneous information, for example, documentation
5. Cross reference to related informational APARs --> II12111
6. Hardware requirements

1. Overview

This APAR gives an overview on supported - z/OS and OS/390 releases,

- DB2 versions, and

- AIX, Linux, NT, Solaris, and z/OS or OS/390 releases for the
application server

as they are currently available or planned in future.

All information contained in this APAR is preliminary as long

as the product is not released or as long as the particular

release combination is not yet supported by SAP. The information is subject to change without further notice.

The APAR may also be used as master index or cross reference to other information APARs interesting for SAP on DB2 for



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It will be updated on a continuing basis.

If there are any differences between the information in this APAR and the official support statements from SAP as spelled out in the according SAP notes, the information in the SAP notes should be considered more recent.

For detailed planning and preparation information see the IBMdocumentation "SAP R/3 on DB2 UDB for OS/390 and z/OS: Planning Guide" as well as the "SAP R/3 on DB2 for OS/390: Connectivity Guide".

2. Operating system and DB2 release matrix as currently available or planned (last update May 26, 2004):

Note that this information is preliminary as long as the products are not released, or as long as the particular release combination is not yet supported by SAP. Therefore this information is subject to change without further notice.

The matrix reflects the plans as of the date shown above, and it does not say anything about the point in time when the planned support of any of the items will actually be available.

Check in SAP's SAPNet Web Frontend (previously known as Online Service System) which database (DB) and operating system combination have already been released.

You can find the DB2/390 release notes by searching for component XX-SER-SWREL and text containing the string "390".

For currently available releases, the SAP note numbers are:

- 80625 R/3 3.0x/3.1x on DB2/390
- 85844 R/3 4.0x/4.5x on DB2/390
- 156554 R/3 4.6x on DB2/390
- 407325 SAP Web Application Server 6.x on DB2/390

For your own planning take into account SAP's maintenance finish dates as well as discontinuance of service of the operating system and the database version. End-of-Service (EOS) dates for OS/390 releases can be found at http://www.ibm.com/servers/eserver/zseries/zos/support/...z_os_eos_dates.html

Planned or expected EOS dates for

- OS/390 2.10: 09/2004
- z/OS 1.1: 03/2004
- z/OS 1.2: 10/2004
- z/OS 1.3: 03/2005

End-of-Service (EOS) dates for DB2 for z/OS and OS/390 can be found at:

<http://www.ibm.com/software/data/db2/zos/support/plc/index.html>

Planned or expected EOS dates for

- DB2 for OS/390 V6: 06/2005

Database Server Releases		Application Server Operating System (OS) Releases				
OS/390	DB2 z/OS (1)	AIX (2)	LINUX zSeries (1)	OS/390 (3)	Solaris (4)	Windows (5)
32/64-bit	n/a	n/a	64-bit	64-bit	32-bit	64-bit 32-bit

SAP technology

3.1I_COM 2.10+ 6.1+ 4.3.3+ - - - NT 4.0+

4.0B_COM 2.10+ 6.1+ 4.3.3+ - - - NT 4.0+

4.5B_COM 2.10+ 6.1+ 4.3.3+ - - - NT 4.0+

4.6D 2.10+ 6.1+ 5.1+ specific distrib. SLES7/8 (4) 2.10+ 8+ Win2000+

6.20 z/OS 1.2+ 6.1+ (6) 5.1+ specific distrib. SLES7/8 z/OS 8+ Win2000+



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6.30	z/OS 1.4+ (7)	7.1+ (6)	5.1+ SLES8 (7) (4)	specific z/OS 1.4+ (7)	8+ -	Win2000+
6.40	z/OS 1.4+ (7)	8.1+ (6)	5.1+ SLES8 (7) (4)	specific z/OS 1.4+ (7)	-	Win2000+

Notes:

"+" behind a release number shows that this release is supported as well as higher, certified releases, and future releases are planned to be supported some time after their general availability. As soon as such a higher release becomes supported, the DB2/390 release notes mentioned above are updated accordingly.

- (1) SAP runs on OS/390 and on z/OS. The release in above matrix refers to the minimum supported OS/390 release unless z/OS is explicitly mentioned as minimum.
- (2) AIX 32-bit only: 3.1I_COM, 4.0B_COM, 4.5B_COM
AIX 32- and 64 bit: 4.6D, 6.10
AIX 64-bit only: 6.20 and higher

32-bit SAP kernels run on 32-bit hardware as well as on 64-bit hardware.

Support for SAP kernels on
AIX 32 bit will not expire for SAP kernels based on
3.1, 4.0, 4.5 and 4.6.

- (3) The latest service pack which is supported by SAP is required. Supported service packs are documented in SAP note 30478.
- (4) Only specific Linux distributions with defined Kernel and glibc are supported: see SAP note 81737 to find out which Linux distributions are supported.
- (5) A G5 HW model is the required minimum (see II12111).
- (6) AIX 64-bit only.
- (7) z/OS 1.4 is minimum requirement; however, if it is planned not to use J2EE, it is still possible to use z/OS 1.2+. Note that DB2 Version 8 requires z/OS 1.4.

Extended release matrix for outdated kernels

A few SAP modules are delivered only on certain kernels which may meanwhile have become outdated. Following kernels are supported only for the installation of these SAP modules. After you have installed these modules on the outdated kernel, you should replace the outdated kernel by the most current one.

	Database Server Releases	Application Server Operating System (OS) Releases					
ICLI for SAP Kernel	OS/390 z/OS (1)	DB2 AIX(2) for zSeries (1)(4) 64-bit	LINUX for z/OS (3)	OS/390 64-bit (3)	Solaris	Windows	
4.6B	2.10+	6.1+	4.3.3+	-	2.10+	-	NT 4.0+
4.6C	OS/390 2.10 thru z/OS 1.1	6.1+	4.3.3+	-	2.10+	-	NT 4.0+



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6.10 OS/390 6.1+ 4.3.3+ - OS/390 - Win2000+
2.10 - 2.10
thru thru
z/OS 1.2 z/OS 1.2

Notes:

- (1) SAP runs on OS/390 and on z/OS. The release in this matrix refers to the minimum supported OS/390 release.
- (2) AIX 32- and 64 bit: 4.6D

32-bit SAP kernels run on 32-bit hardware as well as on 64-bit hardware.

- (3) The latest service pack which is supported by SAP is required. Supported service packs are documented in SAP note 30478.
- (4) A G5 HW model is the required minimum (see II12111). For more requirements like e.g. the tcsh (C-Shell) kit, see SAP doc. "R/3 Installation on OS/390 UNIX System Services".

3. Recommended service level-----

The recommended service level is documented and regularly updated in SAP note 81737. This note should be reviewed on a regular basis to ensure that all PTFs fixing problems that were experienced with SAP on DB2 for OS/390 and z/OS are applied.

A PTF check tool is available from SAP which supports you in checking the service level on your systems. It automatically retrieves the current SAP note 81737 and the fix level file from SAPNet R/3 Frontend (OSS).

For details on the check tool refer to SAP note 183311.

4. Miscellaneous information, for example, documentation-----

The Planning Guide is issued once per SAP release and orderable through IBM shortly after the availability of the SAP upgrade shipment.

It is also part of the SAP installation and upgrade shipments.

If you need this book before the SAP shipment, you may want to use the book belonging to the previous SAP release.

From Release 4.6C and higher, the documentation is supplied only as pdf files on the inst. documentation CD and upgrade documentation CD in the installation and upgrade packages.

You may still order printed copies of the documentation:

SAP documentation may be ordered through SAPNet Web Frontend under XX-SER-SWFL-SHIP using the SAP material number. IBM documentation may be ordered using the IBM Form Number through IBM.

Find IBM documentation for SAP on DB2 for z/OS via web page

[http://www.ibm.com/..](http://www.ibm.com/)

[../servers/s390/os390/bkserv/swpdf/sapr3.html](http://www.ibm.com/servers/s390/os390/bkserv/swpdf/sapr3.html)

or [../servers/eserver/zseries/zos/bkserv/zswpdf/sapr3oszos.html](http://www.ibm.com/servers/eserver/zseries/zos/bkserv/zswpdf/sapr3oszos.html)

or http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/..

[../Shelves/ASPBKE0A](http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/..Shelves/ASPBKE0A)

.Currently (May 2004) newest editions of the books are:

SAP R/3 on DB2 for OS/390: Planning Guide 3.1I, SC33-7961-02

SAP R/3 on DB2 for OS/390: Planning Guide 4.0B Support

Release 1, SC33-7962-03

SAP R/3 on DB2 for OS/390: Planning Guide 4.5B, SC33-7964-01

SAP R/3 on DB2 for OS/390: Planning Guide 4.6D, SC33-7966-04

SAP on DB2 UDB for OS/390 and z/OS: Planning Guide, SAP Web

Application Server 6.10, SC33-7959-00

SAP on DB2 UDB for OS/390 and z/OS: Planning Guide, SAP Web

Application Server 6.20, SC33-7959-01

SAP R/3 on DB2 for OS/390: Connectivity Guide, SC33-7965-03



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Sometimes, these books may not yet be available in hardcopy format.

-----end of InfoAPAR II11352-----

-----start of InfoAPAR II12111-----

5. Cross reference to related informational APARs-----

II12111 - SAP R/3 ON DB2 FOR OS/390 MISC INFO (cont. II11352)

II11988 - R/3 3.xx: Documentation corrections and misc. info

II11989 - R/3 4.0x: Documentation corrections and misc. info

II11453 - R/3 4.5x: Documentation corrections and misc. info;
please read before installation.

II12535 - R/3 4.6x: Documentation corrections and misc. info;

II06683 - Index to DB2 Information APARs

II07347 - Abends in batch jobs when SMS-managed datasets
are involved

II11164 - (only when running HR Payroll BSI 5.0)

6. Hardware requirements-----

As a fully functional implementation of SAP functions and applications, all versions of the SAP R/3 Application Server on z/OS or OS/390 require an S/390 server with IEEE Floating Point hardware or an IBM eServer zSeries.

This means that the following servers are supported:

- IBM eserver zSeries: That is, all models of the zSeries - including
 - all z990 (all machine types 2084-3** -such as 2084-316), and
 - all z900 (all machine types 2064-1** -such as 2064-116), and
 - all z800 (all machine types 2066-0** -such as 2066-004), and
 - all z890 (all machine types 2086-*** -such as 2086-470).
- S/390 Parallel Enterprise Server Generation 5: That is, all machine types 9672-**6 (26 total models - e.g., 9672-RX6).
- S/390 Parallel Enterprise Server Generation 6: That is, all machine types 9672-**7 (24 total models - e.g., 9672-ZZ7).
- S/390 Multiprise 3000: That is, machine types 7060-H30, 7060-H50, 7060-H70.

Examples of unsupported servers are earlier S/390 Parallel Enterprise Server models and generations such as G3, G4, and Multiprise 2000 models.

Also, all implementations of SAP R/3 Releases after 4.6x and later on OS/390, including DB Server implementations only, will have the same requirement for IEEE Floating Point as above. This is because the upgrade process requires the SAP Application Server on OS/390.

-----end of InfoAPAR II12111-----

Header Data

Release Status:	Released for Customer
Released on:	22.06.2004 09:09:49
Priority:	Recommendations/additional info
Category:	Release planning information



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Primary Component: [BC-DB-DB2 DB2 for OS/390](#)

Releases

Release Independant

Related Notes

[407325 - Released operating systems SAP kernel 6.x DB2/390](#)

[157552 - DB2/390: 3.1H database with 3.1I kernels](#)

[156554 - Released operating systems for SAP kernel 4.6x DB2/390](#)

[151152 - DB2/390: Installing a 3.1H DB with 3.1I kernels](#)

[85844 - Released operating systems for SAP Kernel 4.0x/4.5x DB2/390](#)

[81737 - DB2-z/OS: APAR List](#)

[80625 - Released operating systems for R/3 3.0x/3.1x DB2/390](#)

[30478 - Support Packs on Windows](#)



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009



Note 407325 - Released operating systems SAP kernel 6.x DB2/390

Note Language: English

Version: 74

Validity: valid from 02.11.2008

Cause and prerequisites

This note describes the database releases and operating system releases already released with the SAP kernel, however, it does not contain any information on releases planned in the future.

Note that not all DB & OS combinations listed in this note are released for all mySAP.com components.

mySAP.com components like BW, APO, BBP, CRM and so on are based on the SAP Basis / SAP Kernel technology, but may have additional release restrictions. You can find information on these restrictions as well as on planned releases under:

<http://intranet.sap.com/platforms> (SAPNet internal view) or

<http://service.sap.com/platforms> (SAP Service Marketplace)

Solution

Operating System: AIX 64

R/3 Kernel-Version

DB-Version OS-Version Restrictions

SAP KERNEL 6.10 32-BIT:

DB2/390 6.1 AIX 4.3 1

DB2/390 6.1 AIX 5.1 1

DB2/390 6.1 AIX 5.2 1

DB2/390 7.1 AIX 4.3 1

DB2/390 7.1 AIX 5.1 1

DB2/390 7.1 AIX 5.2 1

SAP KERNEL 6.10 64-BIT:

DB2/390 6.1 AIX 4.3 1

DB2/390 6.1 AIX 5.2 1

DB2/390 7.1 AIX 4.3 1

DB2/390 7.1 AIX 5.2 1

SAP KERNEL 6.20 64-BIT:

DB2/390 6.1 AIX 5.1 1

DB2/390 6.1 AIX 5.2 1

DB2/390 7.1 AIX 5.1 1

DB2/390 7.1 AIX 5.2 1

SAP KERNEL 6.40 64-BIT:

DB2 FOR Z/OS 9 AIX 5.2 2

DB2 FOR Z/OS 9 AIX 5.3 2

DB2/390 7.1 AIX 5.1 1

DB2/390 7.1 AIX 5.2 1

DB2/390 7.1 AIX 5.3 1

DB2/390 8.1 AIX 5.1 3,4

DB2/390 8.1 AIX 5.2 3,4

DB2/390 8.1 AIX 5.3 1,4

SAP KERNEL 6.40 64-BIT UNICODE:

DB2 FOR Z/OS 9 AIX 5.2 2

DB2 FOR Z/OS 9 AIX 5.3 2

DB2/390 8.1 AIX 5.2 1,4

DB2/390 8.1 AIX 5.3 1,4

SAP KERNEL 6.40 EX2 64-BIT:

DB2 FOR Z/OS 9 AIX 5.3 2

DB2 FOR Z/OS 9 AIX 6.1 2

DB2/390 7.1 AIX 5.3 1

DB2/390 8.1 AIX 5.3 4

DB2/390 8.1 AIX 6.1 4

SAP KERNEL 6.40 EX2 64-BIT UC:



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DB2 FOR Z/OS 9 AIX 5.3 2
DB2 FOR Z/OS 9 AIX 6.1 2
DB2/390 8.1 AIX 5.3 4
DB2/390 8.1 AIX 6.1 4

SAP KERNEL 7.00 64-BIT:

DB2 FOR Z/OS 9 AIX 5.2 2
DB2 FOR Z/OS 9 AIX 5.3 2
DB2 FOR Z/OS 9 AIX 6.1 2
DB2/390 8.1 AIX 5.2 4,5
DB2/390 8.1 AIX 5.3 4
DB2/390 8.1 AIX 6.1 4

SAP KERNEL 7.00 64-BIT UNICODE:

DB2 FOR Z/OS 9 AIX 5.2 2
DB2 FOR Z/OS 9 AIX 5.3 2
DB2 FOR Z/OS 9 AIX 6.1 2
DB2/390 8.1 AIX 5.2 4,5
DB2/390 8.1 AIX 5.3 4
DB2/390 8.1 AIX 6.1 4

SAP KERNEL 7.10 64-BIT:

DB2 FOR Z/OS 9 AIX 5.3 2
DB2 FOR Z/OS 9 AIX 6.1 2
DB2/390 8.1 AIX 5.3 4
DB2/390 8.1 AIX 6.1 4

SAP KERNEL 7.10 64-BIT UNICODE:

DB2 FOR Z/OS 9 AIX 5.3 2
DB2 FOR Z/OS 9 AIX 6.1 2
DB2/390 8.1 AIX 5.3 4
DB2/390 8.1 AIX 6.1 4

1. The operating system is only released as an AppServer platform
2. The release of DB2 for z/OS 9 is documented in note: 1043951.
3. If the 6.40 ABAP kernel (non-Unicode) is run in a 6.20 based environment , it is still possible to use DB2 V7 with this kernel.
4. The release of DB2 V8 and its dependencies is documented in Note: 728743
5. AIX 5.2: For maintenance level see SAP note: 978282

Operating System: LINUX FOR ZSERIES

R/3 Kernel-Version
DB-Version OS-Version Restrictions

SAP KERNEL 6.20 64-BIT:

DB2/390 6.1 LINUX SUSE SLES8/ZSERIES 64BIT 1,2,3,4
DB2/390 6.1 LINUX/ZSERIES GLIBC 2.2.4 1,2,4,5
DB2/390 7.1 LINUX SUSE SLES8/ZSERIES 64BIT 1,2,3,4
DB2/390 7.1 LINUX/ZSERIES GLIBC 2.2.4 1,2,4,5

SAP KERNEL 6.40 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6
DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6
DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6
DB2/390 7.1 LINUX SUSE SLES10/ZSERIES 64BI
DB2/390 7.1 LINUX SUSE SLES8/ZSERIES 64BIT 2
DB2/390 7.1 LINUX SUSE SLES9/ZSERIES 64BIT 2,7
DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8
DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8
DB2/390 8.1 LINUX SUSE SLES8/ZSERIES 64BIT 7,8
DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 2,7,8

SAP KERNEL 6.40 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6
DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6
DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6
DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8
DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8
DB2/390 8.1 LINUX SUSE SLES8/ZSERIES 64BIT 2,8



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DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 2,8

SAP KERNEL 6.40 EX2 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2/390 7.1 LINUX SUSE SLES10/ZSERIES 64BI

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

SAP KERNEL 6.40 EX2 64-BIT UC:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

SAP KERNEL 7.00 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 8

SAP KERNEL 7.00 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 8

SAP KERNEL 7.10 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 8

SAP KERNEL 7.10 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/ZSERIES 64BIT 6

DB2 FOR Z/OS 9 LINUX SUSE SLES10/ZSERIES 64BI 6

DB2 FOR Z/OS 9 LINUX SUSE SLES9/ZSERIES 64BIT 6

DB2/390 8.1 LINUX REDHAT EL5/ZSERIES 64BIT 8

DB2/390 8.1 LINUX SUSE SLES10/ZSERIES 64BI 8

DB2/390 8.1 LINUX SUSE SLES9/ZSERIES 64BIT 8

1. For a list of supported Linux kernel versions, please refer to <http://www.sap.com/linux/platforms/index.asp> and to note 81737.
2. The operating system is only released as an AppServer platform
3. The release covers SuSE SLES 8 for zSeries only.
4. SAP CRM 3.0 and EBP 3.0 is not supported for this platform.
5. The release covers SuSE SLES 7 for zSeries only.
6. The release of DB2 for z/OS 9 is documented in note: 1043951.
7. If the 6.40 ABAP kernel (non-Unicode) is run in a 6.20 based environment , it is still possible to use DB2 V7 with this kernel.
8. The release of DB2 V8 and its dependencies is documented in Note: 728743

Operating System: LINUX ON X86_64

R/3 Kernel-Version
DB-Version OS-Version Restrictions

SAP KERNEL 6.40 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1

DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1

DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1

DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2

DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2

DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

SAP KERNEL 6.40 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2

SAP KERNEL 6.40 EX2 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2

SAP KERNEL 6.40 EX2 64-BIT UC:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2

SAP KERNEL 7.00 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2

SAP KERNEL 7.00 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2

SAP KERNEL 7.10 64-BIT:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1,3,4
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2,3,4

SAP KERNEL 7.10 64-BIT UNICODE:

DB2 FOR Z/OS 9 LINUX REDHAT EL5/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES10/X86_64 64BIT 1
 DB2 FOR Z/OS 9 LINUX SUSE SLES9/X86_64 64BIT 1,3,4
 DB2/390 8.1 LINUX REDHAT EL5/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES10/X86_64 64BIT 2
 DB2/390 8.1 LINUX SUSE SLES9/X86_64 64BIT 2,3,4

1. The release of DB2 for z/OS 9 is documented in note: 1043951.
2. The release of DB2 V8 and its dependencies is documented in Note: 728743

3. Important: Certain OS patch level required, see note 1021236!

4. Default setting for memory management changed to "es/implementation=STD" , see note 941735

Operating System: OS/390

 R/3 Kernel-Version
 DB-Version OS-Version Restrictions

SAP KERNEL 6.10 32-BIT:

DB2/390 6.1 OS/390 2.10 32BIT 1
 DB2/390 6.1 OS/390 2.9 2
 DB2/390 7.1 OS/390 2.10 32BIT 1
 DB2/390 7.1 OS/390 2.8 3
 DB2/390 7.1 OS/390 2.9 2

1. The operating system is platform for the database server with DB2 for



News for SAP Business Suite on IBM System z mainframe with database server DB2 for z/OS Version 2009Q1, status of March 2009

all current SAP releases. It is platform for the AppServer for SAP kernel releases 4.6 and 6.xx only.

2. IBM Support for the operating system expires 3/2003

3. IBM Support of the operating system expired 9/2002

Operating System: SOLARIS/SPARC 64

R/3 Kernel-Version

DB-Version OS-Version Restrictions

SAP KERNEL 6.20 64-BIT:

DB2/390 6.1 SOLARIS/SPARC 8 1,2

DB2/390 6.1 SOLARIS/SPARC 9 1,2

DB2/390 7.1 SOLARIS/SPARC 8 1,2

DB2/390 7.1 SOLARIS/SPARC 9 1,2

SAP KERNEL 6.40 64-BIT:

DB2/390 7.1 SOLARIS/SPARC 8 1

DB2/390 7.1 SOLARIS/SPARC 9 1

1. The operating system is only released as an AppServer platform

2. SAP CRM 3.0 and EBP 3.0 is not supported for this platform.

Operating System: WINDOWS FOR X86

R/3 Kernel-Version

DB-Version OS-Version Restrictions

SAP KERNEL 6.10 32-BIT:

DB2/390 6.1 WINDOWS SERVER 2000/IA32 32BIT 1

DB2/390 7.1 WINDOWS SERVER 2000/IA32 32BIT 1

SAP KERNEL 6.20 32-BIT:

DB2/390 6.1 WINDOWS SERVER 2000/IA32 32BIT 1

DB2/390 6.1 WINDOWS SERVER 2003/IA32 32BIT 1

DB2/390 7.1 WINDOWS SERVER 2000/IA32 32BIT 1

DB2/390 7.1 WINDOWS SERVER 2003/IA32 32BIT 1

SAP KERNEL 6.40 32-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/IA32 32BIT 2

DB2/390 7.1 WINDOWS SERVER 2000/IA32 32BIT 1

DB2/390 7.1 WINDOWS SERVER 2003/IA32 32BIT 1

DB2/390 8.1 WINDOWS SERVER 2000/IA32 32BIT 3,4

DB2/390 8.1 WINDOWS SERVER 2003/IA32 32BIT 3,4

SAP KERNEL 6.40 64-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/IA32 32BIT 2

SAP KERNEL 6.40 EX2 32-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/IA32 32BIT 2

DB2/390 7.1 WINDOWS SERVER 2003/IA32 32BIT 1

DB2/390 8.1 WINDOWS SERVER 2003/IA32 32BIT 4

SAP KERNEL 7.00 32-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/IA32 32BIT 2,5

DB2/390 8.1 WINDOWS SERVER 2003/IA32 32BIT 4,5

1. The operating system is only released as an AppServer platform

2. The release of DB2 for z/OS 9 is documented in note: 1043951.

3. If the 6.40 ABAP kernel (non-Unicode) is run in a 6.20 based environment, it is still possible to use DB2 V7 with this kernel.

4. The release of DB2 V8 and its dependencies is documented in Note: 728743

5. Productive applications might require more address space than the 32 bit limitations allow. The usage of 32 bit platforms for productive Netweaver 7.xx scenarios is not recommended. See SAP note 996600 for more details . .

Operating System: WINDOWS FOR X86_64

R/3 Kernel-Version

DB-Version OS-Version Restrictions



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SAP KERNEL 6.40 64-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 7.1 WINDOWS SERVER 2003/X64 64BIT
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 6.40 64-BIT UNICODE:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 6.40 EX2 64-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 7.1 WINDOWS SERVER 2003/X64 64BIT
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 6.40 EX2 64-BIT UC:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 7.00 64-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 7.00 64-BIT UNICODE:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 7.10 64-BIT:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

SAP KERNEL 7.10 64-BIT UNICODE:

DB2 FOR Z/OS 9 WINDOWS SERVER 2003/X64 64BIT 1
DB2/390 8.1 WINDOWS SERVER 2003/X64 64BIT 2

1. The release of DB2 for z/OS 9 is documented in note: 1043951.

2. The release of DB2 V8 and its dependencies is documented in Note:
728743

Operating System: Z/OS

R/3 Kernel-Version

DB-Version OS-Version Restrictions

SAP KERNEL 6.10 32-BIT:

DB2/390 6.1 Z/OS 1.1 1
DB2/390 6.1 Z/OS 1.2 1
DB2/390 7.1 Z/OS 1.1 1
DB2/390 7.1 Z/OS 1.2 2

SAP KERNEL 6.20 32-BIT:

DB2/390 6.1 Z/OS 1.2 1
DB2/390 6.1 Z/OS 1.3 1
DB2/390 6.1 Z/OS 1.4 32 BIT 1
DB2/390 6.1 Z/OS 1.5 32 BIT 1
DB2/390 7.1 Z/OS 1.2 1,2
DB2/390 7.1 Z/OS 1.3 1,3
DB2/390 7.1 Z/OS 1.4 32 BIT 1
DB2/390 7.1 Z/OS 1.5 32 BIT

SAP KERNEL 6.40 32-BIT:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4
DB2/390 7.1 Z/OS 1.4 32 BIT
DB2/390 7.1 Z/OS 1.5 32 BIT
DB2/390 7.1 Z/OS 1.6 64 BIT
DB2/390 7.1 Z/OS 1.7 64 BIT
DB2/390 7.1 Z/OS 1.8 64 BIT 5
DB2/390 8.1 Z/OS 1.4 32 BIT 5,6
DB2/390 8.1 Z/OS 1.5 32 BIT 5,6
DB2/390 8.1 Z/OS 1.6 64 BIT 5,6
DB2/390 8.1 Z/OS 1.7 64 BIT 5,6
DB2/390 8.1 Z/OS 1.8 64 BIT 5,6

SAP KERNEL 6.40 64-BIT:



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DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7

SAP KERNEL 6.40 64-BIT UNICODE:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7

SAP KERNEL 6.40 EX2 32-BIT:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4
DB2/390 7.1 Z/OS 1.6 64 BIT
DB2/390 7.1 Z/OS 1.7 64 BIT
DB2/390 7.1 Z/OS 1.8 64 BIT
DB2/390 8.1 Z/OS 1.6 64 BIT 6
DB2/390 8.1 Z/OS 1.7 64 BIT 6
DB2/390 8.1 Z/OS 1.8 64 BIT 6
DB2/390 8.1 Z/OS 1.9 64 BIT 6

SAP KERNEL 6.40 EX2 64-BIT:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 7.1 Z/OS 1.6 64 BIT 7
DB2/390 7.1 Z/OS 1.7 64 BIT 7
DB2/390 7.1 Z/OS 1.8 64 BIT 7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7

SAP KERNEL 6.40 EX2 64-BIT UC:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7

SAP KERNEL 7.00 64-BIT:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7

SAP KERNEL 7.00 64-BIT UNICODE:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 8.1 Z/OS 1.6 64 BIT 6,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6,7
DB2/390 8.1 Z/OS 1.8 64 BIT 6,7
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7

SAP KERNEL 7.10 64-BIT:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6
DB2/390 8.1 Z/OS 1.8 64 BIT 6
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7



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SAP KERNEL 7.10 64-BIT UNICODE:

DB2 FOR Z/OS 9 Z/OS 1.7 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.8 64 BIT 4,7
DB2 FOR Z/OS 9 Z/OS 1.9 64 BIT 4,7
DB2/390 8.1 Z/OS 1.7 64 BIT 6
DB2/390 8.1 Z/OS 1.8 64 BIT 6
DB2/390 8.1 Z/OS 1.9 64 BIT 6,7

1. The operating system is platform for the database server with DB2 for all current SAP releases. It is platform for the AppServer for SAP kernel releases 4.6 and 6.xx only.
2. IBM announced end of service for z/OS 1.2 on 31.12. 2004.
3. IBM announced end of service for z/OS 1.3 on 31.03. 2005.
4. The release of DB2 for z/OS 9 is documented in note: 1043951.
5. If the 6.40 ABAP kernel (non-Unicode) is run in a 6.20 based environment , it is still possible to use DB2 V7 with this kernel.
6. The release of DB2 V8 and its dependencies is documented in Note: 728743
7. z/OS 1.6ff. is available only to hold the database DB2 and optionally the standalone version of SAP Central Services (SCS) for SAP WebAS. This includes ABAP and/or JAVA

Release Status: Released for Customer
Released on: 10.09.2007 10:14:17
Priority: Recommendations/additional info
Category: Release planning information
Main Component XX-SER-GEN Service general

Valid Releases

Software Component Release From
Release

To Release and Following

SAP_BASIS 60 610 640 X

Related Notes

Number Short Text

1058988 640_EX2 Kernels
865307 Installing ABAP 6.40 application server on Linux x86_64
710408 DB2-z/OS: Prerequisites Kernel 6.40 with WAS 6.10, 6.20
664679 Installing 6.40 kernel in SAP WEB AS 6.10/6.20
502999 Installing a 6.20 kernel into a system with 6.10 Web AS
418246 Release restrictions SAP Web ACE 6.10
138906 DB2/390: Planning Info (release,connectivity matrix)
81737 DB2-z/OS: APAR List
19227 Open newest saposcol



Note 156554 - Released operating systems for SAP kernel 4.6x DB2/390

Note Language: English

Version: 103

Validity: **valid from 14.12.2008**

This SAP Note can't be included here because it consists of about nearly one hundred pages representing the dependencies between the different SAP Kernels in relation to the supported SAP patches which can't be shown here in total.

Therefore please use SAP Service Marketplace to read the actual version of this note.



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
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Hints and recommendations

**IBM Insight for SAP ERP,
new version 5 available!**

**Do you want to know the real workload and utilization
your SAP system is running in production?**

**Check the description of the IBM Insight for SAP ERP utility Program and
download it and install it if appropriate!**

**You can find IBM Insight for SAP ERP (document number is PRS381)
on the following Website: <http://www.ibm.com/erp/sap/insight>**

IBM Insight for SAP Overview

The IBM Insight for SAP utility program and its subsequent analysis process and report are designed to provide a high level and convenient workload analysis for an in-production SAP system. The analysis includes actual active user counts, machine utilizations, user/module load distributions, dialog counts, information about batch and reporting usage, system information, and database information.

The IBM Insight for SAP utility program is packaged as an all-in-one Microsoft® Windows 2000 SP3 and Microsoft® Windows XP install image, ready for installation on any customer's Windows/Intel® system capable of communicating with a production SAP system. Documentation is included with this software. IBM Insight for SAP ERP has been validated to run against SAP production systems comprised of Wintel (System x), AIX (System p), OS/400 (System i), OS/390 (System z), or non-IBM installed UNIX® or Wintel servers.

To use IBM Insight, just install the utility on your PC, set up initial communication parameters, ensure authorization and access, and then begin your recording session. The software continues to record performance data from the SAP complex, using SAP's RFC functionality, until you end the session. At this point, the collected data is forwarded via e-mail to IBM for reduction, analysis, and customer report production. Customer collected data sets, as well as requests for further information or support, should be sent to: eSizings@us.ibm.com

We strongly recommend that three days worth of data be collected during a period of the month with reasonably high usage. Only the data from the production system will be analyzed. Non-production environments are excluded from this offer.

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**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

**IBM Insight for SAP ERP
Actual new release: Insight 5**

The following Applications are supported by both versions:

- Enterprise Resource Planning (ERP)
- Business Warehouse (BW)
- Advanced Planner and Optimizer (APO)
- Customer Relationship Management (CRM)

**The Insight release Version 4.1.1 supports
SAP 3.0D thru ERP2005 (ECC 6.0/7.00)**

**The Insight release Version 5 supports
SAP NetWeaver systems
with base component ECC 6.0 and above**

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Abstract: The IBM Insight for SAP® utility program and its subsequent reporting and analysis process provide a convenient, high-level, workload analysis for in-production SAP system landscapes. This service and utility are provided free of charge by IBM America's Advanced Technical Support (ATS) and America's Techline organizations.

The Insight Collector is a Windows® executable which communicates with the in-production SAP system. The Collector gathers performance workload and utilization statistics through the SAP Netweaver® RFC interface while having minimal impact on SAP performance. These statistics are then provided to IBM for processing and analysis. The user will very quickly be provided a detailed performance report detailing the workload and utilization of the SAP system.

Insight version 5 is the new Netweaver® based release, with an enhanced report format, for SAP Netweaver systems with base component ECC 6.0 and above, providing all of the same information as version 4, with additional information provided through:

- Simultaneous collection of multiple SAP systems and landscapes.
- Java stack components and their workload statistics
(e.g. PI, Portal, SAP WebAS kernel.)
- Reporting of the percentage of SAP customization.
- Virtualized system utilization statistics.

Please see implementation instructions for version 5 and version 4.1.1 in the README files on IBM Insight website: <http://www.ibm.com/erp/sap/insight>
Additional information can be found in a Terms and Conditions and Q&A file.



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
Version 2009Q1, status of March 2009**

Appendix:

Info from older newsletters

- News from 2008



**News for SAP Business Suite
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Major changes and information in this version (2008Q4):

Overview of 2008Q4 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004**
- 2. z/OS 1.10 is planned to be soon available for usage with SAP on System z**
- 3. SAP Best Practices - SAP on IBM DB2 z/OS V9 - Best Practice for Installing or Migrating to DB2 V9 has been updated**
- 4. Updated IBM High Availability Guide for SAP on System z available**
- 5. Updated Database Administration Guides for SAP and DB2 for z/OS available from SAP Service Marketplace for SAP NetWeaver 7.00 and SAP NetWeaver 2004**
- 6. New SAP Technical Document available
DFS/SMB Setup for High Availability Systems with DB2 for z/OS and Windows Application Servers**
- 7. New SAP Technical Document available
Casebook: DB2 backup, recovery and cloning for SAP environments**
- 8. New SAP Technical Document available
SAP Legacy Connector (SAPLCO)**
- 9. New DB2 Connect V9.5 FP1 Special Build available**
- 10. Updated info about released operating systems available for SAP Releases 7.x / 6.x and 4.6x**
- 11. SAP Release and Maintenance Strategy has changed**
- 12. Selected new or updated SAP Notes related to SAP on System z**



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Details of 2008Q4 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004, both updated December 17, 2008, available from SAP Service Marketplace and for details please see page 32ff**
- 2. z/OS 1.10 is planned to be soon available for usage with SAP on System z
z/OS 1.10 has been made generally available at September 26, 2008 and is actually in the process of validation and certification by SAP to run with SAP on System z.**
- 3. SAP Best Practices - SAP on IBM DB2 z/OS V9 - Best Practice for Installing or Migrating to DB2 V9 has been updated Version 2.2 (December 2008)**
Best Practice for Installing or Migrating to DB2 V9, V2.2 UPDATED
- 4. Updated IBM High Availability Guide for SAP on System z available (October, 2008):**
A new version of the IBM High Availability Guide, now called 'Business Continuity for SAP on IBM System z' is available.
This book describes the *IBM High Availability Solution for SAP on System z*, which provides the means for fully automating the management of all SAP components and related products running on z/OS, AIX®, or Linux®. The automation software monitors all resources and controls the restart and/or takeover of failing components, thereby ensuring near continuous availability of the SAP system.
You will find this document on the following website from IBM:
ftp://ftp.software.ibm.com/eserver/zseries/software/sap/Business_Continuity_for_SAP.pdf
- 5. Updated Database Administration Guides for SAP and DB2 for z/OS available from SAP Service Marketplace for SAP NetWeaver 7.00 and SAP NetWeaver 2004 (for more details please see page 31 ff)**
- 6. New SAP Technical Document available (October 17, 2008):
DFS/SMB Setup for High Availability Systems with DB2 for z/OS and Windows Application Servers**
In a high availability (HA) installation with IBM DB2 for z/OS and SAP application servers on Windows, directories on the mainframe are to be shared from Windows.
This document is intended to help you in setting up DFS/SMB explicitly for an SAP HA system on the mainframe.



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You will find this document on the following Website on SDN:

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/10f233d1-b797-2b10-0182-c2baf61320b4>

7. New SAP Technical Document available (October 24, 2008):

Casebook: DB2 backup, recovery and cloning for SAP environments

As a strategic solution, DB2 for z/OS provides the integrated BACKUP SYSTEM and RESTORE SYSTEM utilities, which internally rely on DS8000 FlashCopy and z/OS DFSMSHsm technology. The DB2 Cloning Tool and the DB2 Recovery Expert for z/OS can be optionally used to further facilitate, automate and accelerate many of the tasks. Provides hands-on tips and tricks for using the above mentioned DB2 utilities and tools in SAP environments in the most beneficial way.

You will find this document on the following Website on SDN:

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/e0b13d2b-0a89-2b10-918b-bc7aff0a1905>

8. New SAP Technical Document available (October 28, 2008):

SAP Legacy Connector (SAPLCO)

SAP Legacy Connector (SAP LCO) is a software package which is intended to support projects in the z/OS environment. SAP LCO makes it possible to communicate synchronously between CICS, IMS or Batch applications on IBM mainframes and SAP systems. With SAP LCO, you can also call simple CICS programs or IMS transactions from SAP programs.

You will find this document on the following website on SDN:

<https://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/10ca4935-4298-2b10-3cb9-efb2713a15a9>

9. New DB2 Connect V9.5 FP1 Special Build available (October 22, 2008)

IBM Data Server Driver for CLI, ODBC, JDBC, SQLJ 9.5 Fix Pack 1 Special Build 20539 (Windows 20615) is now available for download on SAP Service Marketplace. An SMP user login is required to download the Fix Pack.

10. Updated info about released operating systems available

for SAP Releases 7.x / 6.x and 4.6x,

for 7.x / 6.x see SAP Note 407325, V74, updated November 02, 2008,

for 4.6x see SAP Note 156554, V103, updated December 14, 2008,

(please see page 57 ff)

11. SAP Release and Maintenance Strategy has changed

SAP has changed their maintenance strategy in November 2008: The new 7-2 maintenance strategy. It applies to new releases of core applications of SAP Business Suite as of November 2008, as well as for add-ons and enhancement packages and is valid for SAP ERP 6.0 and add-ons, SAP NetWeaver 7.0 and add-ons, SAP CRM 7.0 and add-ons, SAP SCM 7.0 and add-ons, SAP SRM 7.0 and add-ons. It has the longest mainstream maintenance window under this strategy until December 2015 (for 7.0 releases).

You will find more information on SAP Service Marketplace under

<https://service.sap.com/support>

and in the following SAP document:

<https://websmp208.sap->



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ag.de/~form/sapnet?_SHORTKEY=01100035870000611455&_OBJECT=011000358700000877962007E

12. Selected new or updated SAP Notes related to SAP on System z
(please see on the following pages, it is NOT a complete list of new SAP Notes concerning SAP on System z but based on hints and tips of several customer related situations and based on my own evaluation)

**2008 Q4, Selected SAP Notes, new or updated,
for DB2-z/OS:**

Note 1032273 - DB2-z/OS: Configuring DB2 V9

Note Language: English Version: 14 Validity: Valid from 19.12.2008

Note 81737 - DB2-z/OS: APAR List

Note Language: English Version: 702 Validity: Valid from 19.12.2008

Note 426863 - DB2-z/OS: DB Performance Monitor/IFI Data Collector

Note Language: English Version: 108 Validity: Valid from 19.12.2008

**Note 1259011 - Hom./Het.System Copy for SAP NetWeaver
based on Kernel 7.11**

Note Language: English Version: 3 Validity: Valid from 19.12.2008

**Note 1238351 - Hom./Het.System Copy SAP NW 7.0
incl. Enhancement Package 1**

Note Language: English Version: 12 Validity: Valid from 18.12.2008

Note 1251735 - Add. Info. - SAP Enhancement Package Installer (7.10/5)

Note Language: English Version: 2 Validity: Valid from 18.12.2008

Note 217093 - DB2 z/OS: CCMS transports for 4.6C

Note Language: English Version: 99 Validity: Valid from 18.12.2008

Note 1258775 - DB2-z/OS:CCMS: BCD_ZERO DIVIDE error in SAPLSTU3

Note Language: English Version: 1 Validity: Valid from 18.12.2008

**Note 1286229 - DB2-z/OS:CCMS: Refresh problem in DB2 Data Sharing
Topology**

Note Language: English Version: 2 Validity: Valid from 17.12.2008

Note 1267392 - DB2-z/OS:CCMS: DB2C falls back to editor when resizing

Note Language: English Version: 2 Validity: Valid from 17.12.2008

Note 717935 - DB2/zOS: FTP replacement by Stored Procedures

Note Language: English Version: 9 Validity: Valid from 15.12.2008

Note 156554 - Released operating systems for SAP kernel 4.6x DB2/390

Note Language: English Version: 103 Validity: Valid from 14.12.2008

Note 1115173 - DB2-z/OS: Merging packages for the import, Fastload



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Note Language: English **Version:** 4 **Validity:** Valid from 12.12.2008

Note 943141 - DB2-z/OS: Additions upgrade to SAP NW 7.1

Note Language: English **Version:** 27 **Validity:** Valid from 12.12.2008

Note 686905 - DB2-z/OS: DDIC corrections (6.40, 7.0, 7.10)

Note Language: English **Version:** 17 **Validity:** Valid from 09.12.2008

**Note 956065 - SAP NetWeaver Inst. Based On Kernel 7.10:
IBM DB2 for z/OS**

Note Language: English **Version:** 18 **Validity:** Valid from 09.12.2008

Note 1251805 - SAP NetWeaver Based on Kernel 7.11: IBM DB2 for z/OS

Note Language: English **Version:** 1 **Validity:** Valid from 08.12.2008

Note 1283815 - DB2-z/OS:CCMS: DB13: Error "Invalid object in input table"

Note Language: English **Version:** 1 **Validity:** Valid from 08.12.2008

**Note 1278135 - DB2-z/OS:CCMS: DB13 RUNSTATS + REORG Double Stack
Support**

Note Language: English **Version:** 2 **Validity:** Valid from 08.12.2008

Note 1283081 - DB2 - z/OS partitioning tables for WEB AS JAVA

Note Language: English **Version:** 2 **Validity:** Valid from 05.12.2008

Note 1278100 - DB2-z/OS:CCMS: Problems with Joblog Directory

Note Language: English **Version:** 2 **Validity:** Valid from 05.12.2008

Note 1166471 - DB2 - z/OS: work process hangs after cancel

Note Language: English **Version:** 5 **Validity:** Valid from 04.12.2008

Note 1276206 - DB2-z/OS:CCMS: DB13 slow RUNSTATS performance

Note Language: English **Version:** 6 **Validity:** Valid from 02.12.2008

**Note 1280173 - DB2-z/OS:CCMS: Sorting problem of time columns in
dbacockpit**

Note Language: English **Version:** 2 **Validity:** Valid from 01.12.2008

Note 914259 - DB2-z/OS: db2radm Patch Collection

Note Language: English **Version:** 18 **Validity:** Valid from 01.12.2008

**Note 1257207 - DB2-z/OS:CCMS: Inconsistent RUNSTATS
Recomm. In Explain**

Note Language: English **Version:** 1 **Validity:** Valid from 28.11.2008

Note 1276668 - DB2-z/OS:CCMS: Calculation of False Contention Rate

Note Language: English **Version:** 2 **Validity:** Valid from 27.11.2008

Note 1225416 - DB2 z/OS: Additions for partition by growth tablespaces

Note Language: English **Version:** 5 **Validity:** Valid from 26.11.2008

Note 1271829 - DB2 - z/OS: CLI0100E Wrong number of parameters

Note Language: English **Version:** 2 **Validity:** Valid from 25.11.2008



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Note 1085521 - DB2/390: HA for DB outage for java stack (2)

Note Language: English Version: 32 Validity: Valid from 25.11.2008

Note 1062976 - DB2-z/OS: fast load with load utility

Note Language: English Version: 73 Validity: Valid from 25.11.2008

Note 1229346 - DB2-z/OS:CCMS: Corrections for remote administration

Note Language: English Version: 1 Validity: Valid from 24.11.2008

Note 1130801 - DB2 LUW, DB2 z/OS release note for VMWare and XEN

Note Language: English Version: 11 Validity: Valid from 21.11.2008

Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English Version: 30 Validity: Valid from 21.11.2008

Note 1119041 - DB2-z/OS: Remote bind and grant for MDM

Note Language: English Version: 2 Validity: Valid from 19.11.2008

Note 1264471 - DB2-z/OS:CCMS: External DB13 scheduling

Note Language: English Version: 1 Validity: Valid from 18.11.2008

**Note 496904 - Performance notes database parameters FS-AM
for DB2 z/OS**

Note Language: English Version: 45 Validity: Valid from 17.11.2008

Note 183311 - DB2/390: Automated PTF Check

Note Language: English Version: 106 Validity: Valid from 17.11.2008

Note 895159 - DB2-z/OS: Usage of DB2PLI8, Visual Explain or IBM OSC

Note Language: English Version: 9 Validity: Valid from 14.11.2008

Note 1263782 - DB2-z/OS: Recommended settings for HiperSockets (zLinux)

Note Language: English Version: 4 Validity: Valid from 13.11.2008

Note 1047049 - DB2-z/OS: CCMS: Cleanup of DB02 tables

Note Language: English Version: 1 Validity: Valid from 12.11.2008

Note 1220108 - Error: "Database Connector Error: '37000:[IBM][CLI Driver]..."

Note Language: English Version: 2 Validity: Valid from 10.11.2008

Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 47 Validity: Valid from 10.11.2008

Note 1270090 - DB2-z/OS: Installation of DB2 Version 9 from DVD

Note Language: English Version: 1 Validity: Valid from 04.11.2008

Note 943146 - DB2-z/OS: Transports and Support Packages for 7.10

Note Language: English Version: 2 Validity: Valid from 04.11.2008

Note 728743 - Series z: Release of DB2 V8 for SAP Components

Note Language: English Version: 39 Validity: Valid from 03.11.2008

Note 1043951 - DB2-z/OS: Release of DB2 V9 for SAP Components

Note Language: English Version: 15 Validity: Valid from 03.11.2008



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Note 1264332 - DB2-z/OS: TDMS SQLCODE -904 Reason 00C90089

Note Language: English Version: 3 Validity: Valid from 03.11.2008

Note 407325 - Released operating systems SAP kernel 6.x DB2/390

Note Language: English Version: 74 Validity: Valid from 02.11.2008

Note 1239921 - DB2-z/OS: DDIC problems with Basis Release 7.10

Note Language: English Version: 14 Validity: Valid from 31.10.2008

Note 1062975 - DB2-z/OS: Accounting for single tasks & utilities

Note Language: English Version: 7 Validity: Valid from 31.10.2008

Note 427748 - DB2-z/OS: CCMS corrections (6.10, 6.20, 6.40, 7.x)

Note Language: English Version: 100 Validity: Valid from 23.10.2008

Note 1263901 - DB2-z/OS:CCMS: Display MEPL missing in DBA Cockpit

Note Language: English Version: 1 Validity: Valid from 20.10.2008

Note 1266255 - DB2-z/OS: Bad performance accessing VALLC

Note Language: English Version: 1 Validity: Valid from 24.10.2008

Note 1263193 - DB2-z/OS: No DB connect with DB2 Connect 9.5 FP1 on Windows

Note Language: English Version: 3 Validity: Valid from 21.10.2008

Note 1261047 - Missing support for DB2 UDB for OS/390 v8 in Business Objects XI R2

Note Language: English Version: 1 Validity: Valid from 13.10.2008

Note 1260837 - DB2-z/OS:CCMS: DB13 Job BACKUP SYSTEM always ends with RC 8

Note Language: English Version: 2 Validity: Valid from 13.10.2008

Note 1256121 - DB2-z/OS:CCMS: Filter problems with lowercase in ALVs

Note Language: English Version: 2 Validity: Valid from 13.10.2008

Note 1253927 - DB2-z/OS:CCMS: Remote Alert Monitoring

Note Language: English Version: 1 Validity: Valid from 13.10.2008

Note 1260453 - DB2-z/OS: Data sharing optimizations for SAP PI

Note Language: English Version: 1 Validity: Valid from 10.10.2008

Note 1259758 - DB2 z/OS: Unicode conversion: Pool tables DDIC error

Note Language: English Version: 2 Validity: Valid from 08.10.2008

Note 1240075 - DB2-z/OS: Partition-by-growth with Basis SP14/SP15

Note Language: English Version: 9 Validity: Valid from 08.10.2008

Note 1068456 - DB2-z/OS: SE14 support for partitoning with descending keys

Note Language: English Version: 8 Validity: Valid from 08.10.2008

Note 1257587 - DB2-z/OS: Bad performance in



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FAGL_GET_LEDGER_DOCNR

Note Language: English Version: 2 Validity: Valid from 01.10.2008

**Note 1253957 - DB2-z/OS: Bad performance in
HR_GET_EMPLOYEES_FROM_USER_DB**

Note Language: English Version: 2 Validity: Valid from 01.10.2008

**Note 1100775 - SAP NetWeaver 7.0 (2004s) SR3 Installation
IBM DB2 on z/OS**

Note Language: English Version: 15 Validity: Valid from 01.10.2008

**Note 1008334 - DB2-z/OS: Performance Problems with DB2 V8/V9
REOPT(ONCE)**

Note Language: English Version: 21 Validity: Valid from 01.10.2008

Note 1169349 - DB2-z/OS: SQLCODE -803 when running CTC Template

Note Language: English Version: 1 Validity: Valid from 30.09.2008

Note 1255525 - DB2-z/OS: jdbc V9.1 driver not using defined hostname

Note Language: English Version: 3 Validity: Valid from 26.09.2008

Note 1228631 - DB2-z/OS:CCMS: List Format missing in DBA Cockpit

Note Language: English Version: 4 Validity: Valid from 24.09.2008

**Note 1179742 - DB2 - z/OS: performance improvement for long running
LUWs**

Note Language: English Version: 3 Validity: Valid from 12.09.2008

Note 1172221 - DB2 z/OS MDM 5.5 issues

Note Language: English Version: 3 Validity: Valid from 26.09.2008

Note 1066971 - DB2-z/OS: Bad performance in CL_ALINK_CONNECTION

Note Language: English Version: 4 Validity: Valid from 25.09.2008

**Note 1251966 - CCMS: "Database system not supported" in
PERFMON-Joblog**

Note Language: English Version: 2 Validity: Valid from 23.09.2008



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**2008 Q4, Selected SAP Notes, new or updated,
for BI / BW on DB2-z/OS:**

Note 1250972 - DB2-z/OS: BI: Short dump ILLEGAL_POSTING_STATEMENT
Note Language: English Version: 2 Validity: Valid from 18.12.2008

Note 1285858 - DB2-z/OS: BI: User specific DB2 Optimizer Parameters
Note Language: German Version: 1 Validity: Valid from 11.12.2008

Note 1153513 - DB2-z/OS: BI: SQL error -104 when compressing aggregates
Note Language: English Version: 3 Validity: Valid from 05.12.2008

**Note 1097824 - DB2-z/OS:BI: Compressing non-cumulative cubes
takes very long**
Note Language: English Version: 6 Validity: Valid from 05.12.2008

Note 1282327 - DB2-z/OS: BI: InfoCube compression takes a very long time
Note Language: English Version: 2 Validity: Valid from 03.12.2008

Note 1281602 - DB2-z/OS: BI: Quick partition deletion: TEMPLATE MISSING
Note Language: English Version: 2 Validity: Valid from 02.12.2008

Note 1280671 - DB2-z/OS: BI: Incorrect UTILID in output of DSNUTILS
Note Language: English Version: 2 Validity: Valid from 02.12.2008

Note 1275070 - DB2-z/OS: BI: Customer indexes deleted
Note Language: English Version: 3 Validity: Valid from 18.11.2008

Note 859583 - DB2-z/OS: BW: New report SAP_BWTOOLPGM_DB2
Note Language: English Version: 10 Validity: Valid from 18.11.2008

Note 1273573 - DB2-z/OS: BI: Error create_copy_table_db2/CREATE TABLE
Note Language: English Version: 1 Validity: Valid from 12.11.2008

Note 1272498 - DB2-z/OS: BI: Deletion from PSA is very slow
Note Language: English Version: 2 Validity: Valid from 12.11.2008

Note 1149824 - DB2-z/OS: BI 7.x: DB settings and performance
Note Language: English Version: 4 Validity: Valid from 09.10.2008

Note 1244949 - DB2-z/OS: BI: One PSA request in several table partitions
Note Language: English Version: 2 Validity: Valid from 24.09.2008

Note 1243921 - DB2-z/OS: BI: Slow access to reference points
Note Language: English Version: 2 Validity: Valid from 09.09.2008



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
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Major changes and information in this version (2008Q3):

Overview of 2008Q3 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004**
- 2. Updated DBA Guide for SAP and DB2 for z/OS available from SAP Service Marketplace for SAP NetWeaver 7.10**
- 3. New SAP Technical Document available (August 18, 2008): SAP for Banking on System z Reference Architecture New!**
- 4. Using DB2 V9 for z/OS enhancements with SAP 7.0 and 7.10**
- 5. DB2 V9 for z/OS System Parameters updated**
- 6. DB2 Connect V9.1 FP5 Special Build available**
- 7. DB2 Connect V9.1 Thin Client (also called CLI and JDBC Driver) is now default for connectivity between SAP Applicationsserver and DB2 for z/OS Databaseserver**
- 8. Content of SAP OEM package for DB2 for z/OS**
- 9. Updated info about released operating systems for SAP Releases 7.x, 6.x, 4.6x, 4.5/4.0x and 3.1/3.0x available**
- 10.z/OS 1.7 end of support (EOS) is now coming! (september 30, 2008)**
- 11.Actual info about news for SAP on System z can be found on SDN (SAP Developer Network)**
- 12.Selected new or updated SAP Notes related to SAP on System z**



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Details of 2008Q3 News

- 1. SAP PAM (Product Availability Matrix) has been updated:
for SAP NetWeaver 7.0 (aka 2004S), updated June 30, 2008,
and SAP NetWeaver 2004, updated July 8, 2008,
available from SAP Service Marketplace and for details please
see page 29ff**
- 2. Updated DBA Guide for SAP and DB2 for z/OS
available from SAP Service Marketplace for SAP NetWeaver 7.10
(for more details please see page 28 ff)**
- 3. New SAP Technical Document available (August 18, 2008):
SAP for Banking on System z Reference Architecture New!
This document describes the SAP for Banking on System z reference architecture.
This reference architecture focuses on the system infrastructure for SAP for Banking.
It is a guideline as to how to best implement and run SAP for Banking solutions on
System z to meet our customers' stringent infrastructure needs.
This guide is based on real-world experiences gained at many high-end SAP for Banking im-
plementations at large banks worldwide.
Please note that this document is located on SAP Developer Network (SDN).
You might need to register (for free without addition to any mailing lists) with SAP SDN to
access the paper.
<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/a00e4718-314f-2b10-19a6-a76f257addaf>**
- 4. Using DB2 V9 for z/OS enhancements with SAP 7.0 and 7.10
please see SAP Note 1235046 - DB2-z/OS: v9.1 enhancements**
- 5. DB2 V9 for z/OS System Parameters updated
please see SAP Note 1032273 - DB2-z/OS: Configuring DB2 V9,
and SAP Note 1246852 - DB2-z/OS:CCMS: New and Obsolete DB2 Parameters**
- 6. DB2 Connect V9.1 FP5 Special Build available:
DB2 Connect 9.1 FP5: on top of FP5 Special Build 20232 is required**
- 7. DB2 Connect V9.1 Thin Client (also called CLI and JDBC Driver) is now de-
fault for connectivity between SAP Applicationserver and DB2 for z/OS Data-
baseserver:
The CLI Driver will be installed automatically during the installation process if you install
6.40 Patch Collection 2007/2 (or higher) or 7.00 SR3 (or higher).**



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For details please see

[Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver](#)
and [Note 1100775 - SAP NetWeaver 7.0 \(2004s\) SR3 Installation IBM DB2 on z/OS:](#)

All SAP NetWeaver 7.0 and SAP Business Suite SR3 products support the Thin Client (CLI and JDBC drivers) instead of the DB2 Connect (Fat Client) as default for new installations.

- 8. Content of SAP OEM Package for DB2 for z/OS:
for details please see updated SAP Note 978817 - DB2 for z/OS OEM Package**

- 9. Updated info about released operating systems
for SAP Releases 7.x and 6.x, 4.6x, 4.5/4.0x and 3.1/3.0x available,
for 7.x and 6.x see SAP Note 407325, V72, updated July 06, 2008,
for 4.6x see SAP Note 156554, V91, updated July 06, 2008,
for 4.5/4.0x see SAP Note 85844, V110, updated July 06, 2008
for 3.1/3.0x see SAP Note 80625, V130, updated July 06, 2008
(please see page 54 ff)**

- 10. z/OS 1.7 end of support (EOS) is now coming september 30, 2008
Please take into consideration to upgrade as soon as possible to a higher supported
z/OS release, actually recommended is z/OS 1.9!**

- 11. Actual info about news for SAP on System z can be found on SDN
(SAP Developer Network)
<https://www.sdn.sap.com/irj/sdn/db2>**

- 12. Selected new or updated SAP Notes related to SAP on System z
(please see on the following pages, it is NOT a complete list of new SAP Notes concerning
SAP on System z but based on hints and tips of several customer related situations and
based on my own evaluation)**



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**2008 Q3, Selected SAP Notes, new or updated,
for DB2-z/OS:**

**Note 1100775 - SAP NetWeaver 7.0 (2004s) SR3
Installation IBM DB2 on z/OS**

Note Language: English Version: 14 Validity: Valid from 19.09.2008

Note 81737 - DB2-z/OS: APAR List

Note Language: English Version: 693 Validity: Valid from 16.09.2008

Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English Version: 18 Validity: Valid from 16.09.2008

Note 821032 - Corrections for SAPup release 7.00

Note Language: English Version: 17 Validity: Valid from 15.09.2008

Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 44 Validity: Valid from 15.09.2008

Note 661640 - Add. info. on upgrading to SAP Web AS 6.40

Note Language: English Version: 37 Validity: Valid from 15.09.2008

Note 1250046 - DB2-z/OS:CCMS: Shortdumps with DB02 Display / Refresh

Note Language: English Version: 2 Validity: Valid from 12.09.2008

Note 1239921 - DB2-z/OS: Activation problems with Basis Release 7.10

Note Language: English Version: 11 Validity: Valid from 12.09.2008

**Note 1250199 - DB2-z/OS:CCMS: DB13 runtime error
SAPSQL_ARRAY_INSERT_DUPREC**

Note Language: English Version: 1 Validity: Valid from 11.09.2008

Note 1169349 - DB2-z/OS: SQLCODE -803 when running CTC Template

Note Language: English Version: 1 Validity: Valid from 11.09.2008

Note 913109 - DB2-z/OS: SAPCL Patch Collection

Note Language: English Version: 15 Validity: Valid from 10.09.2008

Note 1225416 - DB2 z/OS: Additions for partition by growth tablespaces

Note Language: English Version: 2 Validity: Valid from 10.09.2008

Note 1249271 - DB2-z/OS:CCMS: st04 does not jump into DB activity

Note Language: English Version: 1 Validity: Valid from 09.09.2008

Note 1062976 - DB2-z/OS: fast load with load utility

Note Language: English Version: 69 Validity: Valid from 09.09.2008

**Note 680746 - DB2 for z/OS: System Copy for SAP Systems
on SAP NetWeaver**

Note Language: English Version: 22 Validity: Valid from 09.09.2008

Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver

Note Language: English Version: 36 Validity: Valid from 08.09.2008



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Note 1246852 - DB2-z/OS:CCMS: New and Obsolete DB2 Parameters

Note Language: English Version: 1 Validity: Valid from 08.09.2008

Note 1059145 - DB2-z/OS: NW2004s: Import with Database Tools (HSC)

Note Language: English Version: 11 Validity: Valid from 05.09.2008

Note 978817 - DB2 for z/OS OEM Package

Note Language: English Version: 5 Validity: Valid from 05.09.2008

Note 943141 - DB2-z/OS: Additions upgrade to SAP NW AS 7.10

Note Language: English Version: 17 Validity: Valid from 05.09.2008

Note 103135 - DB2-z/OS: Installing saposcol manually

Note Language: English Version: 50 Validity: Valid from 05.09.2008

Note 1095506 - Upgrade to SAP NetWeaver 7.1 for banking services from SAP

Note Language: English Version: 10 Validity: Valid from 03.09.2008

Note 1229300 - DB2-z/OS: com.ibm.db2.jcc.c.DisconnectException

Note Language: English Version: 4 Validity: Valid from 29.08.2008

Note 1042437 - Hom./Het.System Copy for SAP NetWeaver Based on Kernel 7.10

Note Language: English Version: 33 Validity: Valid from 28.08.2008

Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 42 Validity: Valid from 26.08.2008

Note 1120872 - Hom./Het.System Copy SAP NetWeaver 7.0 SR3

Note Language: English Version: 23 Validity: Valid from 25.08.2008

Note 1175281 - DB2 - z/OS: disable CLI Sysplex Workload Balancing

Note Language: English Version: 3 Validity: Valid from 21.08.2008

Note 1241085 - DB2-z/OS:CCMS: RUNSTATS ALL on TEMP objects

Note Language: English Version: 4 Validity: Valid from 15.08.2008

Note 1240075 - DB2-z/OS: Partition-by-growth with Basis SP14/SP15

Note Language: English Version: 8 Validity: Valid from 15.08.2008

Note 1235046 - DB2-z/OS: v9.1 enhancements

Note Language: English Version: 5 Validity: Valid from 15.08.2008

Note 1158203 - DB2-z/OS: Automatic REBUILD INDEX within DDIC

Note Language: English Version: 8 Validity: Valid from 15.08.2008

Note 1046511 - DB2-z/OS: Partitioning of table pools/clusters with SE14

Note Language: English Version: 2 Validity: Valid from 15.08.2008

Note 1241765 - DB2-z/OS: CCMS: -803 when switching Cockpit Action with DS

Note Language: English Version: 1 Validity: Valid from 14.08.2008



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Note 1241580 - DB2-z/OS:CCMS: BACK not possible in DB13 DSNUTILS Output
Note Language: English Version: 1 Validity: Valid from 14.08.2008

Note 717215 - DB2-z/OS: DB2 V8 configuration for SAP rel. <= 4.6D
Note Language: English Version: 18 Validity: Valid from 13.08.2008

Note 1115309 - Add. info. on installing EHP3 for SAP ERP 6.0 using SAPehpi
Note Language: English Version: 4 Validity: Valid from 13.08.2008

Note 1127815 - DB2-z/OS: Additions EhP installer
Note Language: English Version: 6 Validity: Valid from 13.08.2008

Note 1239921 - DB2-z/OS: Activation problems with Basis Release 7.10
Note Language: English Version: 9 Validity: Valid from 12.08.2008

Note 1173622 - DB2-z/OS:CCMS: MODIFY RECOVERY on partition level
Note Language: English Version: 6 Validity: Valid from 12.08.2008

Note 686905 - DB2-z/OS: DDIC corrections (6.40, 7.0, 7.10)
Note Language: English Version: 15 Validity: Valid from 12.08.2008

Note 1240253 - DB2-z/OS:CCMS: Active Members Missing in Cockpit
Note Language: English Version: 1 Validity: Valid from 11.08.2008

Note 1032273 - DB2-z/OS: Configuring DB2 V9
Note Language: English Version: 11 Validity: Valid from 11.08.2008

Note 1228631 - DB2-z/OS:CCMS: List Format missing in DBA Cockpit
Note Language: English Version: 2 Validity: Valid from 07.08.2008

Note 914259 - DB2-z/OS: db2radm Patch Collection
Note Language: English Version: 15 Validity: Valid from 06.08.2008

Note 1056649 - Corrections for SAPup release 7.10
Note Language: English Version: 3 Validity: Valid from 04.08.2008

Note 1234900 - DB2-z/OS: TA RSDBC - error during extraction from DB2
Note Language: English Version: 3 Validity: Valid from 04.08.2008

Note 1179742 - DB2 - z/OS: performance improvement for long running LUWs
Note Language: English Version: 2 Validity: Valid from 01.08.2008

Note 1105635 - DB2-z/OS: Performance problems with IN-list access
Note Language: English Version: 3 Validity: Valid from 01.08.2008

Note 1236755 - DB2-z/OS: -204 DB2QWPT2P is an undefined name
Note Language: English Version: 1 Validity: Valid from 31.07.2008

Note 1179836 - DB2-z/OS:CCMS: SAPCL Grant fails with Thin Client
Note Language: English Version: 2 Validity: Valid from 31.07.2008

Note 1130801 - DB2 LUW, DB2 z/OS release note for VMWare and XEN
Note Language: English Version: 9 Validity: Valid from 31.07.2008

Note 1118026 - DB2-z/OS:CCMS: Incorrect Alter TS Statements during Reorg



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Note Language: English **Version:** 5 **Validity:** Valid from 30.07.2008

Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English **Version:** 16 **Validity:** Valid from 30.07.2008

Note 1226844 - DB2-z/OS: Dump CX_SMIGR_PROGRAM_ERROR in SMIGR_CREATE_DDL

Note Language: English **Version:** 2 **Validity:** Valid from 28.07.2008

Note 1234973 - DB2-z/OS:CCMS: Screen generation err. Incorrect DYNP version

Note Language: English **Version:** 1 **Validity:** Valid from 25.07.2008

Note 1234522 - DB2-z/OS: MIG: rc=26 (duplicate key value) during import

Note Language: English **Version:** 2 **Validity:** Valid from 24.07.2008

Note 1224966 - DB2-z/OS: End of Service/Support dates

Note Language: English **Version:** 2 **Validity:** Valid from 23.07.2008

Note 427748 - DB2-z/OS: CCMS corrections (6.10, 6.20, 6.40, 7.00)

Note Language: English **Version:** 97 **Validity:** Valid from 22.07.2008

Note 1166471 - DB2-z/OS: work process hangs after cancel

Note Language: English **Version:** 4 **Validity:** Valid from 21.07.2008

Note 895159 - DB2-z/OS: Usage of DB2PLI8, Visual Explain or IBM OSC

Note Language: English **Version:** 8 **Validity:** Valid from 21.07.2008

Note 778729 - DB2-z/OS: R3ldctl, R3szchk, R3load error

Note Language: English **Version:** 26 **Validity:** Valid from 17.07.2008

Note 956065 - SAP NetWeaver Inst. Based On Kernel 7.10: IBM DB2 for z/OS

Note Language: English **Version:** 13 **Validity:** Valid from 17.07.2008

Note 1228632 - DB2-z/OS:CCMS: DSNACCMO Error Message in System Log

Note Language: English **Version:** 4 **Validity:** Valid from 10.07.2008

Note 1225355 - DB2-z/OS:CCMS: DB13 support for BACKUP SYSTEM

Note Language: English **Version:** 2 **Validity:** Valid from 10.07.2008

Note 1172221 - DB2 z/OS MDM 5.5 issues

Note Language: English **Version:** 2 **Validity:** Valid from 09.07.2008

Note 1169349 - DB2-z/OS: SQLCODE -803 when running CTC Template

Note Language: English **Version:** 1 **Validity:** Valid from 09.07.2008

Note 1163593 - DB2 z/OS jdbc connect error

Note Language: English **Version:** 4 **Validity:** Valid from 08.07.2008

Note 407325 - Released operating systems SAP kernel 6.x DB2/390

Note Language: English **Version:** 72 **Validity:** Valid from 06.07.2008

Note 156554 - Released operating systems for SAP kernel 4.6x DB2/390

Note Language: English **Version:** 91 **Validity:** Valid from 06.07.2008



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Note 85844 - Released operating systems for SAP Kernel 4.0x/4.5x DB2/390

Note Language: English Version: 110 Validity: Valid from 06.07.2008

Note 80625 - Released operating systems for R/3 3.0x/3.1x DB2/390

Note Language: English Version: 130 Validity: Valid from 06.07.2008

Note 1227803 - DB2-z/OS:CCMS:

Stored counts not reset when changing member

Note Language: English Version: 1 Validity: Valid from 04.07.2008

Note 1100775 - SAP NetWeaver 7.0 (2004s) SR3 Installation IBM DB2 on z/OS

Note Language: English Version: 13 Validity: Valid from 04.07.2008

Note 1126082 - DB2-z/OS: BI: F fact table with numerous partitions

Note Language: English Version: 3 Validity: Valid from 04.07.2008

Note 1224249 - DB2-z/OS:CCMS: Authorization Failure when starting IFI trace

Note Language: English Version: 1 Validity: Valid from 03.07.2008

Note 663756 - DB6: Multiconnect on DB2/390 or DB2/AS400 with DB2 LUW DBSL

Note Language: English Version: 10 Validity: Valid from 02.07.2008

Note 1137380 - DB2-z/OS:CCMS: Larger Work Process Numbers

Note Language: English Version: 2 Validity: Valid from 01.07.2008

Note 1225529 - DB2-z/OS:CCMS:CX_DBA_ADBC when displaying deadlocks/timeouts

Note Language: English Version: 1 Validity: Valid from 30.06.2008

Note 1179044 - DB2-z/OS:CCMS: Performance Warehouse

Note Language: English Version: 2 Validity: Valid from 27.06.2008

Note 1043951 - DB2-z/OS: Release of DB2 V9 for SAP Components

Note Language: English Version: 14 Validity: Valid from 26.06.2008

Note 728743 - Series z: Release of DB2 V8 for SAP Components

Note Language: English Version: 38 Validity: Valid from 26.06.2008

Note 725998 - DB2-z/OS: Essential authorization for problem analyzis

Note Language: English Version: 5 Validity: Valid from 20.06.2008

Note 1180952 - DB2-z/OS:CCMS: Collector History Parameters not changeable

Note Language: English Version: 1 Validity: Valid from 19.06.2008



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**2008 Q3, Selected SAP Notes, new or updated,
for BI / BW on DB2-z/OS:**

Note 1250972 - DB2-z/OS: BI: Short dump ILLEGAL_POSTING_STATEMENT

Note Language: English Version: 2 Validity: Valid from 12.09.2008

Note 1234872 - DB2-z/OS: BI: Partitioned F fact table with no ~010 index

Note Language: English Version: 2 Validity: Valid from 12.09.2008

Note 894045 - DB2-z/OS: BW: Deleting a partition quickly

Note Language: English Version: 8 Validity: Valid from 09.09.2008

Note 1168090 - DB2 z/OS: BI: F fact tables with many empty partitions

Note Language: English Version: 7 Validity: Valid from 04.09.2008

Note 986202 - DB2-z/OS: BW: Migrating the partitioning of PSA tables

Note Language: English Version: 11 Validity: Valid from 04.09.2008

Note 1243921 - DB2-z/OS: BI: Slow access to markers

Note Language: English Version: 1 Validity: Valid from 21.08.2008

Note 1239127 - DB2 z/OS: BW: Parallel processing with data sharing

Note Language: English Version: 2 Validity: Valid from 20.08.2008

Note 1137794 - DB2-z/OS: BI: WLM IDs & DB2 accounting are not correct

Note Language: English Version: 4 Validity: Valid from 12.08.2008

Note 536074 - DB2 z/OS: BI: Configuring buffer pools for SAP BI

Note Language: English Version: 10 Validity: Valid from 11.08.2008

Note 1235595 - DB2-z/OS: BI: Storage parameters of PSA tables

Note Language: English Version: 2 Validity: Valid from 28.07.2008

Note 1235057 - DB2 z/OS: BI: Deadlocks in master data reporting

Note Language: English Version: 1 Validity: Valid from 25.07.2008

Note 1062464 - DB2-z/OS: BI: Use settings for a system copy

Note Language: English Version: 5 Validity: Valid from 21.07.2008

Note 909334 - DB2-z/OS: BW: Hierarchy query is slow

Note Language: English Version: 5 Validity: Valid from 18.07.2008

Note 1168090 - DB2 z/OS: BI: F fact tables with many empty partitions

Note Language: English Version: 7 Validity: Valid from 04.07.2008

Note 1225723 - DB2-z/OS: Fact table not partitioned after compression

Note Language: English Version: 2 Validity: Valid from 02.07.2008

Note 1143813 - DB2-z/OS: BI: Automatic REORG after compression

Note Language: English Version: 4 Validity: Valid from 30.06.2008



**News for SAP Business Suite
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Major changes and information in this version (2008Q2):

Overview of 2008Q2 News

- 1. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) and SAP NetWeaver 2004**
- 2. Updated Planning and DBA Guides for SAP and DB2 for z/OS are available from SAP Service Marketplace:**
 - for SAP NetWeaver 7.10**
 - SAP NetWeaver 7.0 (2004S) SR3 and**
 - SAP NetWeaver 6.40 (2004)**
- 3. New IBM Technical Document (White Paper) available:
SAP® Transaction Banking: IBM System z® DB Server Using DB2 V9.1 for z/OS Large Database Measurements**
- 4. New SAP Technical Document available:
Using Adobe® Document Services with SAP on IBM DB2 for z/OS**
- 5. New SAP Technical Document available:
Streamlining DB2 Connect for SAP**
- 6. Updated info about released operating systems for SAP Releases 6.x and 7.x available**
- 7. Updated info about Configuring DB2 V9 for z/OS and parameter recommendations**
- 8. With NW70 SR3 and NW2004 Patch Collection the CLI and JDBC drivers (DB2 Connect V9 Thin Client) will be now automatically installed by SAPinst for database connectivity.**
- 9. DB2 for OS/390 and z/OS V7 end of support (EOS) is coming now! (June 30, 2008)**
- 10.z/OS 1.7 end of support (EOS) is coming soon! (september 30, 2008)**
- 11.Selected new or updated SAP Notes related to SAP on System z**



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Details of 2008Q2 News

- 1. SAP PAM (Product Availability Matrix) has been updated:
for SAP NetWeaver 7.0 (aka 2004S), updated May 25, 2008,
and SAP NetWeaver 2004, updated April 2, 2008,
available from SAP Service Marketplace and for details please
see page 28ff**
- 2. Updated Planning and DBA Guides for SAP and DB2 for z/OS
are available from SAP Service Marketplace:
- for SAP NetWeaver 7.10
- SAP NetWeaver 7.0 (2004S) SR3
- and SAP NetWeaver 6.40 (2004)
(for more details please see page 27 ff)**
- 3. New IBM Technical Document (White Paper) available:
SAP® Transaction Banking: IBM System z® DB Server Using DB2 V9.1
for z/OS Large Database Measurements, please see on IBM webpage:
<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101243>**
- 4. New SAP Technical Document available (May 21, 2008):
Using Adobe® Document Services with SAP on IBM DB2 for z/OS:
Abstract:
SAP integrates Adobe Document Services to enhance the document handling capabilities of SAP, e.g. to handle interactive PDF documents and transport data from and to dynamic PDF documents. Unfortunately, Adobe does not offer Document Services on all certified SAP platforms. For SAP on IBM DB2 for z/OS Adobe Document Services are supported to run natively on Windows, AIX and Linux on System x Application Servers, but not natively on Linux on System z Application Servers. This paper provides the technical scenarios to use Adobe Document Services also with Linux on System z Application Servers.
The recommended approach is to install a Windows or AIX or Linux on System x dialog instance on one of your existing SAP systems on DB2 for z/OS.
This approach saves you from having to acquire other database licenses and additional database administration skills – which reduces TCO.
Please note that the whitepaper is located on SAP Developer Network (SDN). You might need to register (for free without addition to any mailing lists) with SAP SDN to access the paper.
<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/2083cedc-e608-2b10-aa8f-e6a46bcee17c>**



**News for SAP Business Suite
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- 5. New SAP Technical Document available (April 14, 2008):
Streamlining DB2 Connect for SAP
Abstract:
Focusing on the strategically valuable CLI and JDBC drivers, also called “Thin Client” of the latest DB2 Connect version (9.5)
<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/207c5c32-51ea-2a10-c7bc-bcfca74552d5>**

- 6. Updated info about released operating systems
for SAP Releases 6.x and 7.x available,
for 6.x and 7.x see SAP Note 407325, V70, updated May 06, 2008,
(please see page 52 ff)**

- 7. Updated info about Configuring DB2 V9 for z/OS and parameter
recommendations, please see SAP Note 1032273, V9, updated april 10, 2008**

- 8. With NW70 SR3 and NW2004 Patch Collection the CLI and JDBC drivers
(DB2 Connect V9 Thin Client) are now automatically installed by SAPinst for
database connectivity.
For more information, please see the section *DB2 Connect V9 Application Drivers* in the actual
Database Administration Guides for SAP NetWeaver 7.0 or NetWeaver 2004.**

- 9. DB2 for OS/390 and z/OS V7 end of support (EOS) is now coming at
June 30, 2008
Please take into consideration to plan early enough for upgrading to DB2 V8
for z/OS or via DB2 V8 for z/OS to DB2 V9 for z/OS!**

- 10. z/OS 1.7 end of support (EOS) is coming september 30, 2008
Please take into consideration to plan early enough for upgrading to
a higher supported z/OS release, actually recommended is z/OS 1.9!**

- 11. Selected new or updated SAP Notes related to SAP on System z
(please see on the following pages, it is NOT a complete list of new SAP Notes concerning
SAP on System z but based on hints and tips of several customer related situations and
based on my own evaluation)**



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**2008 Q2, Selected SAP Notes, new or updated,
for DB2-z/OS:**

Note 1222888 - DB2/zOS: RLIMIT_NOFILE cannot be set during installation

Note Language: English Version: 1 Validity: Valid from 25.06.2008

Note 1062976 - DB2-z/OS: fast load with load utility

Note Language: English Version: 59 Validity: Valid from 25.06.2008

Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English Version: 13 Validity: Valid from 24.06.2008

Note 725998 - DB2-z/OS: Essential authorization for problem analysis

Note Language: English Version: 5 Validity: Valid from 20.06.2008

Note 496904 - Performance notes database parameters DB2/S390 FS-AM

Note Language: English Version: 42 Validity: Valid from 20.06.2008

Note 1176519 - DB2-z/OS:CCMS: Cleanup of Log Files in Work Directory

Note Language: English Version: 2 Validity: Valid from 18.06.2008

Note 427748 - DB2-z/OS: CCMS corrections (6.10, 6.20, 6.40, 7.00)

Note Language: English Version: 96 Validity: Valid from 19.06.2008

Note 914259 - DB2-z/OS: db2radm Patch Collection

Note Language: English Version: 11 Validity: Valid from 18.06.2008

**Note 1173446 - DB2-z/OS:CCMS:
Empty Querytype in Exception Table Entries**

Note Language: English Version: 1 Validity: Valid from 17.06.2008

Note 1158203 - DB2-z/OS: Automatic REBUILD INDEX within DDIC

Note Language: English Version: 7 Validity: Valid from 17.06.2008

Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver

Note Language: English Version: 31 Validity: Valid from 16.06.2008

Note 1179836 - DB2-z/OS:CCMS: SAPCL Grant fails with Thin Client

Note Language: English Version: 1 Validity: Valid from 16.06.2008

Note 897863 - DB2-z/OS: invalid string reference

Note Language: English Version: 6 Validity: Valid from 16.06.2008

Note 793204 - DB2-z/OS: NOT PADDED check & adjustment of indexes

Note Language: English Version: 12 Validity: Valid from 16.06.2008

Note 1166471 - DB2 - z/OS: work process hangs after cancel

Note Language: English Version: 3 Validity: Valid from 13.06.2008

Note 1173622 - DB2-z/OS:CCMS: MODIFY RECOVERY on partition level

Note Language: English Version: 4 Validity: Valid from 12.06.2008



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**Note 1159020 - SAP NetWeaver 7.0, enhancement package 1:
IBM DB2 for z/OS**

Note Language: English Version: 2 Validity: Valid from 12.06.2008

**Note 1100775 - SAP NetWeaver 7.0 (2004s) SR3
Installation IBM DB2 on z/OS**

Note Language: English Version: 9 Validity: Valid from 12.06.2008

Note 953207 - DB2 z/OS: Historical data incorrectly compressed

Note Language: English Version: 2 Validity: Valid from 11.06.2008

Note 81737 - DB2-z/OS: APAR List

Note Language: English Version: 686 Validity: Valid from 10.06.2008

Note 972814 - 6.20/6.40 PC Edition July 2007: Installation: DB2 for z/OS

Note Language: English Version: 13 Validity: Valid from 10.06.2008

Note 1152012 - 640PC Edition May 2008: Installation IBM DB2 on z/OS

Note Language: English Version: 4 Validity: Valid from 09.06.2008

Note 680746 - DB2 for z/OS:

System Copy for SAP Systems on SAP NetWeaver

Note Language: English Version: 21 Validity: Valid from 09.06.2008

Note 858969 - SAP NetWeaver 7.0 (2004s) Installation: IBM DB2 for z/OS

Note Language: English Version: 49 Validity: Valid from 06.06.2008

Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 29 Validity: Valid from 06.06.2008

Note 1059145 - DB2-z/OS: NW2004s: Import with Database Tools (HSC)

Note Language: English Version: 11 Validity: Valid from 03.06.2008

Note 1043951 - DB2-z/OS: Release of DB2 V9 for SAP Components

Note Language: English Version: 13 Validity: Valid from 23.05.2008

Note 728743 - Series z: Release of DB2 V8 for SAP Components

Note Language: English Version: 37 Validity: Valid from 23.05.2008

Note 1171619 - DB2-z/OS:CCMS:

SQL error -199 during DB02 refresh with V9

Note Language: English Version: 1 Validity: Valid from 21.05.2008

Note 746924 - Planning information for customers with SAP on zSeries

Note Language: English Version: 10 Validity: Valid from 21.05.2008

Note 895159 - DB2-z/OS: Usage of DB2PLI8, Visual Explain or IBM OSC

Note Language: English Version: 7 Validity: Valid from 21.05.2008

Note 1170184 - DB2-z/OS:CCMS:

CX_DBA_ADDBC when displaying Long Running URs

Note Language: English Version: 4 Validity: Valid from 19.05.2008



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Note 848384 - DB2-z/OS:

Inconsistent fields with DDIC type RAW/LRAW/VARC

Note Language: English Version: 27 Validity: Valid from 19.05.2008

Note 1126196 - DB2-z/OS:CCMS: Shortdumps in DBACOCKPIT

Note Language: English Version: 3 Validity: Valid from 18.05.2008

Note 1095506 -

Upgrade to SAP NetWeaver 7.1 for banking services from SAP

Note Language: English Version: 8 Validity: Valid from 16.05.2008

Note 1169608 - DB2-z/OS: GRANT ON DATABASE fails

Note Language: English Version: 1 Validity: Valid from 15.05.2008

Note 778729 - DB2-z/OS: R3ldctl, R3szchk, R3load error

Note Language: English Version: 25 Validity: Valid from 14.05.2008

Note 1169477 - DB2-z/OS: Bad performance in RHUSERXR

Note Language: English Version: 1 Validity: Valid from 14.05.2008

Note 1169349 - DB2-z/OS: SQLCODE -803 when running CTC Template

Note Language: English Version: 1 Validity: Valid from 14.05.2008

Note 1169344 - DB2-z/OS:

SQLCODE = -206 ERROR: STMTID IS NOT A COLUMN

Note Language: English Version: 1 Validity: Valid from 14.05.2008

Note 407325 - Released operating systems SAP kernel 6.x DB2/390

Note Language: English Version: 70 Validity: Valid from 06.05.2008

Note 1166511 - DB2-z/OS: SQLCODE -107

Note Language: English Version: 1 Validity: Valid from 05.05.2008

Note 1147771 - Error in SMIGR_CREATE_DDL during migration to DB2-z/OS

Note Language: English Version: 5 Validity: Valid from 05.05.2008

Note 1165905 - DB2-z/OS:CCMS: Exception when launching DBA Cockpit

Note Language: English Version: 1 Validity: Valid from 30.04.2008

Note 1165342 - DB2-z/OS:CCMS: Explain fails when Plan Table not present

Note Language: English Version: 1 Validity: Valid from 29.04.2008

Note 1164908 - DB2-z/OS:CCMS:

Wrong Collector Settings for Remote Systems

Note Language: English Version: 1 Validity: Valid from 28.04.2008

Note 686905 - DB2-z/OS: DDIC corrections (6.40, 7.0, 7.10)

Note Language: English Version: 15 Validity: Valid from 25.04.2008

Note 1163799 - DB2-z/OS:CCMS:

Job Step Count when generating REORG Jobs

Note Language: English Version: 2 Validity: Valid from 24.04.2008



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**Note 1164184 - DB2-z/OS:CCMS:
REORG INDEX and RUNSTATS INDEX failure**
Note Language: English Version: 1 Validity: Valid from 24.04.2008

**Note 1118026 - DB2-z/OS:CCMS:
Incorrect Alter TS Statements during Reorg**
Note Language: English Version: 4 Validity: Valid from 24.04.2008

Note 913109 - DB2-z/OS: SAPCL Patch Collection
Note Language: English Version: 9 Validity: Valid from 21.04.2008

Note 1123566 - DB2-z/OS: connect.ini is not read correctly on window_i386
Note Language: English Version: 2 Validity: Valid from 18.04.2008

Note 1039439 - DB2-z/OS: Performance problem RSDB2_COLLECT_DAILY
Note Language: English Version: 4 Validity: Valid from 17.04.2008

Note 717215 - DB2-z/OS: DB2 V8 configuration for SAP rel. <= 4.6D
Note Language: English Version: 15 Validity: Valid from 17.04.2008

Note 183311 - DB2/390: Automated PTF Check
Note Language: English Version: 104 Validity: Valid from 27.02.2008

Note 1140305 - DB2-z/OS:CCMS: DB2 Parameters + Check (DB16) Errors
Note Language: English Version: 2 Validity: Valid from 14.04.2008

Note 1032273 - DB2-z/OS: Configuring DB2 V9
Note Language: English Version: 9 Validity: Valid from 10.04.2008

Note 1140769 - Room templates do not work on DB2/390 and IBM JDK
Note Language: English Version: 4 Validity: Valid from 09.04.2008

Note 1158355 - db2radm Error with unset VWSPATH and sh/bash/ksh
Note Language: English Version: 2 Validity: Valid from 07.04.2008

Note 843808 - DB2-z/OS: functionality of db2radm
Note Language: English Version: 8 Validity: Valid from 02.04.2008



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**2008 Q2, Selected SAP Notes, new or updated,
for BI / BW on DB2-z/OS:**

Note 1167168 - DB2-z/OS: BI:

Conversion error for partition with MAXVALUE

Note Language: English Version: 3 Validity: Valid from 24.06.2008

Note 1175944 - DB2-z/OS: BI:

Using REORG..DISCARD for selective deletion

Note Language: English Version: 1 Validity: Valid from 04.06.2008

Note 1168090 - DB2 z/OS: BI: F fact tables with many empty partitions

Note Language: English Version: 5 Validity: Valid from 06.06.2008

Note 1068267 - DB2-z/OS: BI: PCTFREE 0 for BI tables and indexes

Note Language: English Version: 5 Validity: Valid from 06.06.2008

Note 1170607 - DB2-z/OS: BI: Compression with SQL statements in job log

Note Language: English Version: 4 Validity: Valid from 20.05.2008

Note 1149824 - DB2-z/OS: BI 7.x: DB settings and performance

Note Language: English Version: 4 Validity: Valid from 20.05.2008

Note 1106384 - DB2-z/OS: BI: New index structure for fact tables

Note Language: English Version: 4 Validity: Valid from 20.05.2008

Note 579863 - DB2/390: BW: Shorter LUWs when you delete a request

Note Language: English Version: 5 Validity: Valid from 20.05.2008

Note 1152029 - DB2-z/OS: BI: Size category and DSSIZE

Note Language: English Version: 3 Validity: Valid from 19.05.2008

Note 1146378 - DB2-z/OS:CCMS:

Changed RUNSTATS handling for BW tables

Note Language: English Version: 2 Validity: Valid from 07.05.2008

Note 1166492 - DB2 z/OS: BI: SQL error -104 when you delete PSA partition

Note Language: English Version: 3 Validity: Valid from 05.05.2008

Note 1160529 - DB2-z/OS: BI: Partitioned F fact table with NPIs

Note Language: English Version: 1 Validity: Valid from 14.04.2008

Note 1153513 - DB2-z/OS: BI: SQL error -104 when compressing aggregates

Note Language: English Version: 2 Validity: Valid from 08.04.2008

Note 536074 - DB2 z/OS: BI: Configuring buffer pools for SAP BI

Note Language: English Version: 9 Validity: Valid from 07.04.2008

Note 1154930 - DB2-z/OS: BI: System error in RS_BW_POST_MIGRATION

Note Language: English Version: 2 Validity: Valid from 26.03.2008



**News for SAP Business Suite
on IBM System z mainframe with database server DB2 for z/OS
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Major changes and information in this version (2008Q1):

Overview of 2008Q1 News

- 1. New System z10 has been announced in February 2008 and is available for usage with SAP on System z!**
- 2. z/OS 1.9 is available since Christmas 2007 for usage of SAP with DB2 for z/OS on System z**
- 3. SAP PAM (Product Availability Matrix) has been updated for SAP NetWeaver 7.0 (aka 2004S) SR1**
- 4. Updated Planning and DBA Guides for SAP and DB2 for z/OS are available from SAP Service Marketplace: for SAP NetWeaver 7.10, SAP NetWeaver 7.0 (2004S) and SAP NetWeaver 6.40 (2004)**
- 5. New SAP Unicode Conversion Cookbook for DB2 for z/OS available**
- 6. SAP Best Practices - SAP on IBM DB2 z/OS V9 - Best Practice for Installing or Migrating to DB2 V9 has been updated (January 2008)**
- 7. New IBM Techdoc available: SAP® Application Server Consolidation on IBM System z™: Opportunity, Metrics, and Case Studies**
- 8. Updated info about released operating systems for SAP Releases 4.6x, 6.x and 7.x available**
- 9. New updated EX2 kernels are available**
- 10. Updated education information for SAP on System z**
- 11. New Version of IBM Insight for SAP available!**
- 12. HA solution now available for JAVA Stack unplanned outage!**
- 13. DB2 for OS/390 and z/OS V7 end of support (EOS) is planned for June 30, 2008**
- 14. z/OS 1.7 end of support (EOS) is planned for september 30, 2008**
- 15. Selected new or updated SAP Notes related to SAP on System z**



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Details of 2008Q1 News

- 1. New System z10 has been announced in February 2008 and is available for usage with SAP on System z!**
For details about System z10 announcement please look at http://www.ibm.com/systems/z/news/announcement/20080226_annnc.html
- 2. z/OS 1.9 is available since Christmas 2007 for usage of SAP with DB2 for z/OS on System z**
- 3. SAP PAM (Product Availability Matrix) has been updated: for SAP NetWeaver 7.0 (aka 2004S) SR2, updated March 14, 2008 (available from SAP Service Marketplace)**
- 4. Updated Planning and DBA Guides for SAP and DB2 for z/OS are available from SAP Service Marketplace:**
 - for SAP NetWeaver 7.10
 - SAP NetWeaver 7.0 (2004S)
 - and SAP NetWeaver 6.40 (2004)(for more details please see page 26 ff)
- 5. New SAP Unicode Conversion Cookbook for DB2 for z/OS available, please see on SAP SDN (Software Developer Network) website, dated February 04, 2008:**
<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/f0b3c507-2ebd-2a10-1a99-be7cf6ba30bd>
- 6. SAP Best Practices - SAP on IBM DB2 z/OS V9 - Best Practice for Installing or Migrating to DB2 V9 has been updated (January 2008)**
Best Practice for Installing or Migrating to DB2 V9 (PDF 173 KB) UPDATED
- 7. New IBM Technical Document available:**
SAP® Application Server Consolidation on IBM System z™: Opportunity, Metrics, and Case Studies, please see on IBM webpage:
<http://www.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101169>
- 8. Updated info about released operating systems for SAP Releases 4.6x, 6.x and 7.x available, for 4.6x see SAP Note 156554, V90, updated December 20, 2007, (please see page 60ff),**



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for 6.x and 7.x see SAP Note 407325, V66, updated February 25, 2008,
(please see page 52 ff)

- 9. EX2 Kernels, Extended kernel maintenance:**
Additionally to the updated kernel 46D_EX2 (updated version of 46D_EXT kernel) mentioned in newsletter 2007Q4 also 640_EX2 kernel is available for SAP 6.40 based systems.
For details please see SAP Note 1106096 EX2 Kernels in general (SAP Note 1106096: EX2 Kernels: Extended Kernel Maintenance), 1086956 for 4.6D based systems (SAP Note 1086956: 46D_EX2 Kernels) and 1058988 for 6.40 based systems (SAP Note 1058988: 640_EX2 Kernels).
- 10. Updated education information for SAP on System z, please see SAP Note 158875, V64, updated February 27, 2008 (see page 44 ff)**
- 11. New Version of IBM Insight for SAP available!**
Please see details on page 65 ff or go to IBM Insight webpage:
<http://www.ibm.com/erp/sap/insight>
- 12. HA solution now available for JAVA Stack unplanned outage!**
Please see details in SAP Note 948257, V2, updated February 14, 2008
- 13. DB2 for OS/390 and z/OS V7 end of support (EOS) planned for June 30, 2008**
Please take into consideration to plan early enough for upgrading to DB2 V8 for z/OS or via DB2 V8 for z/OS to DB2 V9 for z/OS!
- 14. z/OS 1.7 end of support (EOS) is planned for september 30, 2008**
Please take into consideration to plan early enough for upgrading to an higher supported z/OS release, actually recommended z/OS 1.9!
- 15. Selected new or updated SAP Notes related to SAP on System z**
(please see on the following pages, it is NOT a complete list of new SAP Notes concerning SAP on System z but based on hints and tips of several customer related situations and based on my own evaluation)



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**2008 Q1, Selected SAP Notes, new or updated,
for DB2-z/OS:**

Note 81737 - DB2-z/OS: APAR List

Note Language: English Version: 681 Validity: Valid from 31.03.2008

Note 364109 - DB2/390: Fix Level 080331

Note Language: English Version: 68 Validity: Valid from 31.03.2008

Note 914259 - DB2-z/OS: db2radm Patch Collection

Note Language: English Version: 9 Validity: Valid from 28.03.2008

Note 778729 - DB2-z/OS: R3ldctl, R3szchk, R3load error

Note Language: English Version: 22 Validity: Valid from 26.03.2008

Note 1140305 - DB2-z/OS:CCMS: DB2 Parameters + Check (DB16) Errors

Note Language: English Version: 1 Validity: Valid from 26.03.2008

Note 371023 - OS07/ST06: Monitoring operating system data

Note Language: English Version: 15 Validity: Valid from 20.03.2008

Note 815202 - DB2-z/OS: Additions upgrade to SAP NW AS 7.0

Note Language: English Version: 27 Validity: Valid from 19.03.2008

Note 160484 - DB2/390: Database multiconnect with EXEC SQL

Note Language: English Version: 15 Validity: Valid from 18.03.2008

**Note 1042437 - Hom./Het.System Copy for SAP NetWeaver
Based on Kernel 7.10**

Note Language: English Version: 23 Validity: Valid from 17.03.2008

Note 1032273 - DB2-z/OS: Configuring DB2 V9

Note Language: English Version: 6 Validity: Valid from 17.03.2008

Note 1028657 - DB2-z/OS: Configure statement cache statistics history

Note Language: English Version: 6 Validity: Valid from 14.03.2008

Note 1058988 - 640_EX2 Kernels

Note Language: English Version: 6 Validity: Valid from 13.03.2008

Note 1150243 - DB2-z/OS:CCMS: Explain User locking and Error Handling

Note Language: English Version: 3 Validity: Valid from 11.03.2008

Note 1043951 - DB2-z/OS: Release of DB2 V9 for SAP Components

Note Language: English Version: 12 Validity: Valid from 12.03.2008

Note 1021551 - DB2-z/OS System Copy Preserving Partitioning & Table Attr.

Note Language: English Version: 19 Validity: Valid from 10.03.2008

Note 1095662 - DB2 z/OS: DBA Cockpit Fixes

Note Language: English Version: 1 Validity: Valid from 07.03.2008



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Note 1031213 - DB2-z/OS: Customizing WebAS 6.10 - 7.00 for V9 CLI Driver

Note Language: English Version: 27 Validity: Valid from 07.03.2008

Note 427748 - DB2-z/OS: CCMS corrections (6.10, 6.20, 6.40, 7.00)

Note Language: English Version: 95 Validity: Valid from 07.03.2008

Note 1119041 - DB2-z/OS: Remote bind and grant for MDM

Note Language: English Version: 1 Validity: Valid from 06.03.2008

Note 1142392 - DB2-z/OS:CCMS: Return code handling DB02 refresh

Note Language: English Version: 2 Validity: Valid from 03.03.2008

Note 1119041 - DB2-z/OS: Remote bind and grant for MDM

Note Language: English Version: 1 Validity: Valid from 06.03.2008

**Note 1008334 - DB2-z/OS: Performance Problems with DB2 V8/V9
REOPT(ONCE)**

Note Language: English Version: 19 Validity: Valid from 28.02.2008

Note 1145455 - DB2-z/OS: DEFINE NO & trace handling

Note Language: English Version: 3 Validity: Valid from 27.02.2008

Note 1146511 - DB2-z/OS: no use of array inserts on the DB server

Note Language: English Version: 1 Validity: Valid from 27.02.2008

Note 158875 - DB2-z/OS: Planned classes for SAP on DB2 for z/OS

Note Language: English Version: 64 Validity: Valid from 27.02.2008

Note 183311 - DB2/390: Automated PTF Check

Note Language: English Version: 104 Validity: Valid from 27.02.2008

Note 407325 - Released operating systems SAP kernel 6.x DB2/390

Note Language: English Version: 69 Validity: Valid from 25.02.2008

Note 1142108 - DB2 - z/OS: Signal 4 for database reconnect

Note Language: English Version: 2 Validity: Valid from 22.02.2008

Note 686905 - DB2-z/OS: DDIC corrections (6.40, 7.0, 7.10)

Note Language: English Version: 15 Validity: Valid from 21.02.2008

Note 449836 - DB2-z/OS: Stogroup does not exist / has wrong creator

Note Language: English Version: 10 Validity: Valid from 21.02.2008

Note 1092027 - DB2 z/OS CCMS: Renaming of DB13 jobs

Note Language: English Version: 5 Validity: Valid from 20.02.2008

Note 1014786 - System Copy with NOT LOGGED tablespaces

Note Language: English Version: 5 Validity: Valid from 20.02.2008

**Note 1135404 - DB2-z/OS:CCMS:
Lost ALV Positions and Explain Navigation**

Note Language: English Version: 2 Validity: Valid from 18.02.2008



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Note 958252 - DB2-z/OS: SAPCL FAQ

Note Language: English Version: 4 Validity: Valid from 18.02.2008

Note 948257 - DB2/390: HA for unplanned DB outage for java stack

Note Language: English Version: 2 Validity: Valid from 14.02.2008

Note 1138640 - Hierarchy: Poor performance of anti join in DB2-z/OS

Note Language: English Version: 2 Validity: Valid from 06.02.2008

Note 1059145 - DB2-z/OS: NW2004s: Import with Database Tools (HSC)

Note Language: English Version: 9 Validity: Valid from 05.02.2008

Note 956065 - SAP NetWeaver Inst. Based On Kernel 7.10: IBM DB2 for z/OS

Note Language: English Version: 8 Validity: Valid from 04.02.2008

Note 1133097 - DB2-Z/OS:CCMS: EXPLAIN Tables, DB2UTILS_OUT and DB2JU

Note Language: English Version: 2 Validity: Valid from 29.01.2008

Note 1134676 - DB2-z/OS: DBSL update for Enhancement Package installer

Note Language: English Version: 1 Validity: Valid from 22.01.2008

Note 954268 - Optimization of export: Unsorted unloading

Note Language: English Version: 19 Validity: Valid from 24.01.2008

Note 1127977 - DB2-z/OS:CCMS: Invalid operand in COPY Template (REORG/COPY)

Note Language: English Version: 1 Validity: Valid from 23.01.2008

Note 989868 - DB2-z/OS: Conversion currently not possible

Note Language: English Version: 7 Validity: Valid from 21.01.2008

Note 1041652 - DB2-z/OS: Bad performance when exporting tables with LOBs

Note Language: English Version: 7 Validity: Valid from 16.01.2008

Note 908770 - DB2 z/OS: SAP Java Performance Optimizer

Note Language: English Version: 12 Validity: Valid from 15.01.2008

Note 680746 - DB2 for z/OS: System Copy for SAP Systems on SAP NetWeaver

Note Language: English Version: 20 Validity: Valid from 15.01.2008

Note 1087732 - DB2-z/OS: V9 Data Type Conversion

Note Language: English Version: 1 Validity: Valid from 15.01.2008

Note 1130954 - DB2-z/OS: Bad performance in LBTCHF19 execute_bp_job_select

Note Language: English Version: 1 Validity: Valid from 09.01.2008

Note 1126011 - DB2-z/OS:CCMS: Error when calculating Index Sizes

Note Language: English Version: 1 Validity: Valid from 07.01.2008



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Note 1107326 - DB2-z/OS:CCMS: Transaction DB01 doesn't work

Note Language: English Version: 2 Validity: Valid from 07.01.2008

Note 895159 - DB2-z/OS: Usage of DB2PLI8, Visual Explain or IBM OSC

Note Language: English Version: 7 Validity: Valid from 03.01.2008

Note 1126196 - DB2-z/OS:CCMS: Shortdumps in DBACOCKPIT

Note Language: English Version: 2 Validity: Valid from 21.12.2007

Note 156554 - Released operating systems for SAP kernel 4.6x DB2/390

Note Language: English Version: 90 Validity: Valid from 20.12.2007

Note 1126012 - DB2-z/OS:CCMS: Plan History does not work

Note Language: English Version: 2 Validity: Valid from 18.12.2007

**Note 1126013 - DB2-z/OS:CCMS: Too many Locks during
RSDB2_COLLECT_DAILY**

Note Language: English Version: 2 Validity: Valid from 17.12.2007



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**2008 Q1, Selected SAP Notes, new or updated,
for BI / BW on DB2-z/OS:**

Note 1149824 - DB2-z/OS: BI 7.x: DB settings and performance

Note Language: English Version: 2 Validity: Valid from 28.03.2008

Note 1154930 - DB2-z/OS: BI: System error in RS_BW_POST_MIGRATION

Note Language: English Version: 2 Validity: Valid from 26.03.2008

Note 1152029 - DB2-z/OS: BI: Size category and DSSIZE

Note Language: English Version: 2 Validity: Valid from 14.03.2008

Note 1150065 - DB2-z/OS: BI: InfoSet query delivers SQL error -204

Note Language: English Version: 1 Validity: Valid from 10.03.2008

Note 1068267 - DB2-z/OS: BI: PCTFREE 0 for BI tables and indexes

Note Language: English Version: 4 Validity: Valid from 06.03.2008

Note 1062464 - DB2-z/OS: BI: Use settings for a system copy

Note Language: English Version: 4 Validity: Valid from 06.03.2008

Note 1103409 - DB2-z/OS:BI: Queries split from query splitter are very slow

Note Language: English Version: 4 Validity: Valid from 15.02.2008

Note 1097824 - DB2-z/OS:BI:

Compressng non-cumulative cubes takes very long

Note Language: English Version: 5 Validity: Valid from 12.02.2008

Note 942636 - DB2-z/OS: BW: RSDU_ANALYZE_TABLE_DB2 corrections I

Note Language: English Version: 24 Validity: Valid from 11.02.2008

Note 1138999 - DB2-z/OS: BI:

PSA tables are created without COMPRESS YES

Note Language: English Version: 3 Validity: Valid from 05.02.2008

Note 1137794 - DB2-z/OS: BI: WLM IDs & DB2 accounting are not correct

Note Language: English Version: 3 Validity: Valid from 01.02.2008

Note 1115132 - DB2-z/OS: BI: Deletion after aggregation w/o error message

Note Language: English Version: 2 Validity: Valid from 01.02.2008

**Note 1095181 - DB2-z/OS:BW: GETWA_NOT_ASSIGNED
when you compress aggregates**

Note Language: English Version: 3 Validity: Valid from 01.02.2008

Note 1126082 - DB2-z/OS: BI: F fact table with numerous partitions

Note Language: English Version: 3 Validity: Valid from 18.01.2008

Note 842792 - DB2-z/OS: BW: DD card RNPRIN01 or RNPRINT is missing

Note Language: English Version: 3 Validity: Valid from 17.01.2008

Note 860830 - DB2-z/OS: BW: Partitioning an F fact table

Note Language: English Version: 6 Validity: Valid from 07.01.2008



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SAP Release and Maintenance Strategy for SAP ERP and SAP R/3

SAP has defined a new, streamlined Release and Maintenance strategy, that offers our customers more flexibility in planning the best suited path and point in time for their transition from SAP R/3 to SAP ERP. This strategy involves several new Extended Maintenance offerings, and as a whole offers long term planning security.

Effective immediately, SAP is introducing a new **5 - 1 - 2** release and maintenance strategy for SAP ERP, as follows:

- Duration of Mainstream Maintenance for a software release is 5 years (at Mainstream Maintenance fee)
- Thereafter, Extended Maintenance is available for 1 more year at an additional fee of 2% (current Mainstream Maintenance fee + 2%)
- Thereafter, Extended Maintenance is available for 2 more years at an additional fee of 4% (current Mainstream Maintenance fee + 4% per year)
- Thereafter, the software release will enter Customer-Specific Maintenance. If a customer does not order Extended Maintenance, the release will enter Customer-Specific Maintenance directly after the end of Mainstream maintenance. For more information on the Customer-Specific Maintenance phase, see SAP Service Marketplace, quick link <http://service.sap.com/maintenance> , then SAP Standard Support -> Customer-Specific Maintenance.

For existing SAP R/3 releases, the following maintenance extensions will be offered:

- **SAP R/3 Enterprise Extension Set 1.10** - Extension of Mainstream Maintenance from December 2006 until end of **March 2009** at no extra fee; includes all Industry Add-Ons (-> alignment of Mainstream Maintenance for SAP R/3 Enterprise Extension Set 1.10 and 2.00)
- **SAP R/3 Enterprise** - Extended Maintenance from April 1, 2009 until the **end of March 2012** (first year: additional fee + 2%, next 2 years: additional fee + 4% per year). Both Extension Sets (1.10 and 2.00) can be extended until end of March 2012.
- **SAP R/3 4.6C** - Extended Maintenance from January 1, 2007 until the **end of December 2009** (2007: additional fee + 2%, 2008/2009: additional fee + 4% per year).
- **SAP R/3 3.11 - 4.6B** - Extended Maintenance for an additional 2 years from January 1, 2005 until the **end of December 2006** for an additional fee of +4% per year.

The overall payment during the Extended Maintenance phase is the Mainstream Maintenance fee (currently 17 %) plus an additional fee of 2% or 4% per year.

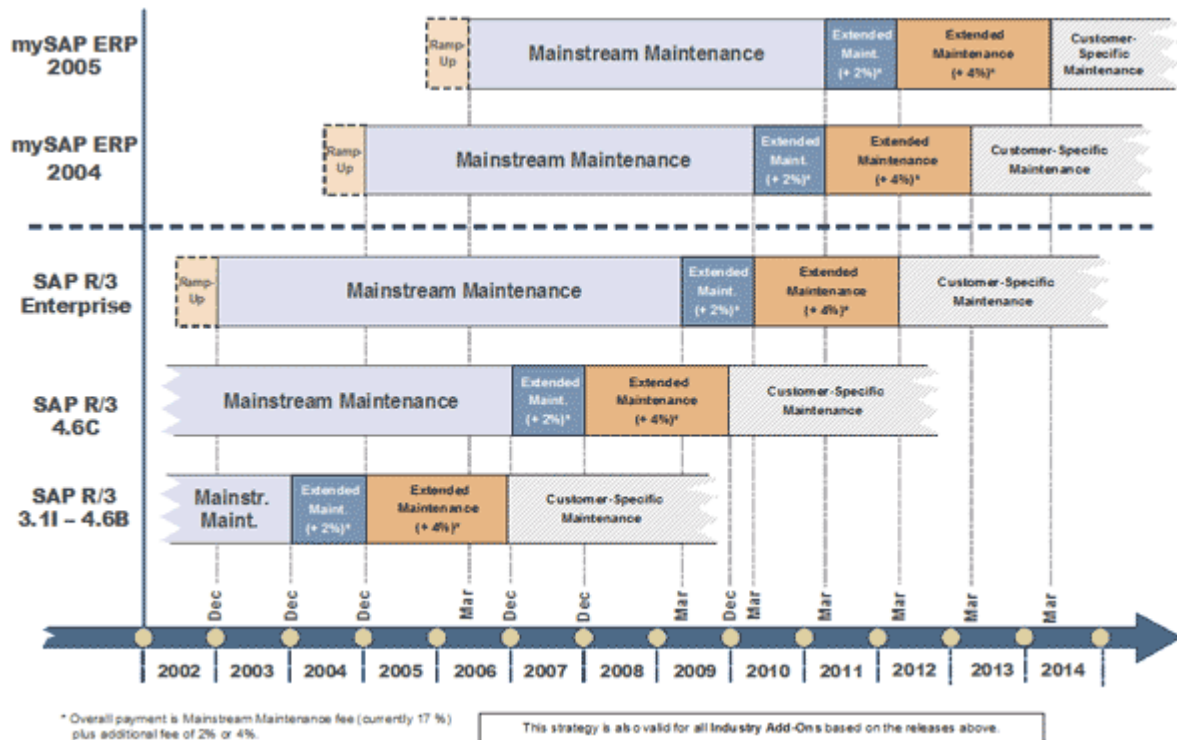
The Extensions mentioned above include **legal changes** for human resources (HR) as well as financials and logistics (FI/LO) software which is offered by SAP or an SAP subsidiary as part of Mainstream Maintenance. HR and FI/LO country versions whose Mainstream Maintenance period has already ended will not be reinstated.

Industry Add-Ons are also included in all Extension offerings mentioned above, but Industry Add-Ons whose Mainstream Maintenance period has already ended will not be reinstated. If there are several releases of an Industry Add-On for the same SAP R/3 release, only the latest Industry Add-On release will be supported during Extended Maintenance.

Detailed information including scope and restrictions for Extended Maintenance is available in SAP Service Marketplace at quick link <http://service.sap.com/maintenance> , then SAP Maintenance Extension -> SAP R/3 Maintenance Extension. Order forms for Extended Maintenance will be made available at this site by end of April 2004.



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MCOD ("One database")

MCOD, called Multi Component in One Database, is the initiative of SAP to offer a solution for a consolidation of SAP systems.

Although installation was already available for months, more features are now offered for DB2 on zSeries including an improved version of system monitoring. The features listed below are applicable for both single or shared databases (Sysplex). However, it is recommended to use MCODE with a datasharing system.

MCOD Features:

- a) Allows to install multiple SAP components in one or more DB2 subsystems. SAP components are distinguished by different high-level qualifiers and creators / schematas (<> SAPR3)
 - .Initial support with 4.6D SR1 (SAP Note 388866)
 - .Check availability dates and requirements per component in SAPNet!
- b) Keeps logically connected systems physically consistent
 - .Consistent R/3 - CRM landscape
 - .Pooling of UNRELATED systems (eg. large # of test systems) is NOT recommended!
- c) DB2 data sharing provides the optimal platform for MCODE
 - .Fully customizable/tunable instances(data sharing member)
 - .Consistent backup and recovery
 - .Maximum flexibility and scalability from intra LPAR to Parallel Sysplex

Implementation of the MCODE features:

- 1) Limitations:
DB2/390 currently has a limit of 5 fullblown SAP systems in one DB2 subsystem.
- 2) Installation:
It is possible to install additional SAP systems in one database entity using a random schema name starting 4.6C. As a recommended naming convention the schemas shall be named "SAP<sid>".
- 3) Upgrade:
It is possible to upgrade any of the SAP systems within one database entity independently.
- 4) Backup:
Database backups are always and only applied to the complete database subsystem i.e. all included SAP systems.
- 5) Restore:
See backup.



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6) Recovery / Rollforward:

Based on the common Restore and the corresponding Log Files all SAP systems will be synchronized at the same "point-in-time".

7) Homogeneous system copies:

Database tools copy all SAP systems at a time / system consistency. SAP tools copy SAP systems by SAP system from and into another database.

8) Job scheduling:

Each SAP system within a database entity can schedule its own jobs only.

With release 6.10, the new functionality of DB13C allows to centrally submit jobs for all defined systems in a database entity.

9) CCMS tools / Monitoring:

Each SAP system monitors its own system or database subsystem where appropriate (Alert-Monitoring or Database performance analysis).

For introduction of MCOB with DB2 UDB for zSeries and prerequisites **please refer to the SAP notes 399419 & 440954.**