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Oracle Update for Oracle 11.2.0.3 on Red Hat 6 running on Linux on System z and future events

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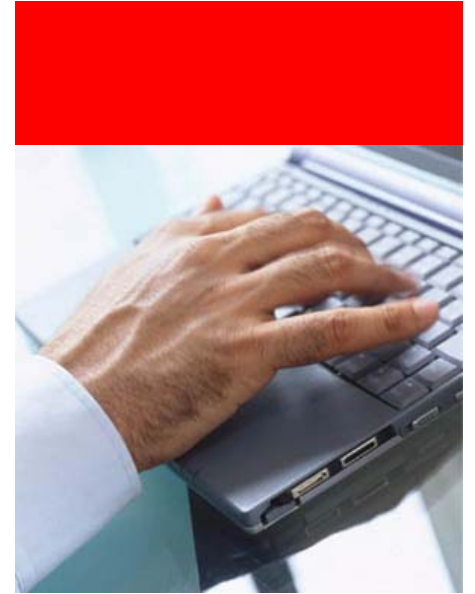Gaylan Braselton, IBM
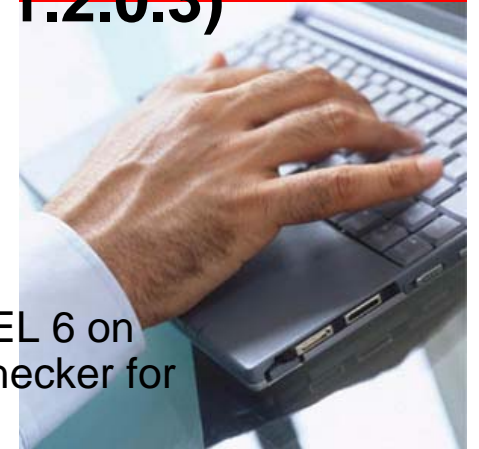
Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decision. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Agenda

- Oracle 11.2.0.3 on z/Linux on Red Hat 6

- Product Updates including PSU and SPU

- OSWatcher

- zSeries SIG User Group events

- Q&A

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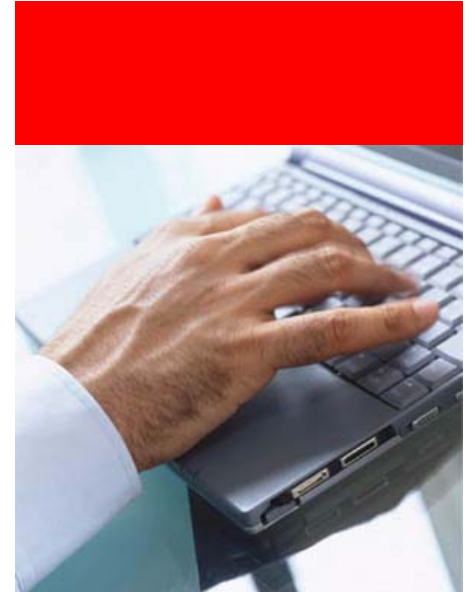# Support of RedHat 6.2+ with Oracle 11gR2(11.2.0.3) in Linux on System z

- Certification is complete
- My Oracle Support documentation is available
  - Note 1470834.1 - Requirements for Installing Oracle 11gR2 on RHEL 6 on IBM: Linux on System z (s390x) is available through an SR – rpmchecker for RH6 is part of this note

  - Note 1514012.1 - runcluvfy stage -pre crsinst generates Reference Data is not available for verifying prerequisites on this operating system distribution on Redhat 6 - IBM: Linux on System z

  - Note 1459030.1 - 11.2.0.3 Grid Installer Hangs at 75% When Using DASD Storage Device That Is Soft Linked

  - Note:1377392.1 How to Manually Configure Disk Storage devices for use with Oracle ASM 11.2 on IBM: Linux on System z under RedHat 6.2
- Can move Oracle 11.2.0.3 to production environment
- Upgrade path is to upgrade to 11.2.0.3 on RH5 and then move to RH6

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Product Availability

- 11.2.0.3
  - Premier Support Ends Jan 2015
  - Extended Support Ends Jan 2018

- 12c Agent is already available

http://www.oracle.com/technetwork/oem/enterprise-manager/downloads/index.html

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PSU and SPU (fka CPU Patch) Availability

- **Patch 14727347: GRID INFRASTRUCTURE PATCH SET UPDATE 11.2.0.3.5 (INCLUDES DB PSU 11.2.0.3.5)**

- **Patch 14841409: DATABASE SECURITY PATCH UPDATE 11.2.0.3.0 (CPUJAN2013)**

- **Patch 14727310: DATABASE PATCH SET UPDATE 11.2.0.3.5 (INCLUDES CPUJAN2013)**

To understand PSU and SPU:

Patch Set Updates for Oracle Products (Doc ID 854428.1)

Important: Patch Installation

- OPATCH AUTO is not available for z/linux platform

- Grid Infrastructure patching needs to be done manually

- **ALWAYS read the README documentation** as patching can change between PSU/SPUs.

- PLEASE install the recommended opatch version, Placeholder Patch 6880880

OSWatcher Black Box

What is OSWatcher Black Box?

• one of the tools we request to diagnose performance issues.

• If the AWR is for database level, the OSWBB is data collection on the Operating System level.

OSWatcher Black Box

What is OSWatcher Black Box?

- Collects data for cpu, memory, io and network issues

- Provides 48 hours worth of "look back" data on the OS by default

- HIGHLY recommended to install and run it on your system.

OSWatcher Black Box

Where to download?

Refer to this note:

OSWatcher Black Box User Guide
(Includes: [Video]) (Doc ID 301137.1)

* We encourage every customer to
have the OSW enabled in their system

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International zSeries Oracle SIG
Conference April 7-11, 2013m Denver Colorado
Webinar March 14th, 2013

The International zSeries Oracle Special Interest Group (SIG) is an organization of companies licensed for Oracle on z/Linux and/or the z/OS operating systems on IBM System z hardware. There are no membership fees or obligations. Communications are done through Oracle mailings, emails and our website www.zSeriesOracleSIG.org and our annual user conference.

Please:

Visit our website at the **www.zSeriesOracleSIG.org**

and

Sign up to be on our mailing list.

International zSeries Oracle SIG
Webinar March 14th, 2013

Hold the date

Please plan to attend attend a Webcast hosted by The IBM Oracle zSeries Special Interest Group for Linux on System z on March 14th at Noon EST/9am PST.

The title is:

"Best Practices Update for Oracle on Linux on IBM zSeries [ID 1523865.1]"
Speakers are Damian Gallagher, Oracle and David Simpson, IBM

See My Oracle Support ID note [ID 1523865.1] for information on how to register

International zSeries Oracle SIG
Conference April 7 to 11, 2013
Part of Oracle Collaborate in Denver

Sessions on Oracle on Linux on z

Monday

253- IBM System z Oracle Solutions Update, plus zSeries Oracle SIG Welcome

308- Infrastructure Alternatives for Setting Up an Oracle DB on Linux on IBM

254 – How to run a successful proof of concept project on Linux on IBM System z   - Quick tip   30 mins

Tuesday

322- CPU Usage, Isolation, and Reduction in a Oracle Database Virtual Environment

252 - High Availability Options with Oracle database and the tuning techniques

Wednesday

226- Oracle Support Update for Linux on System z

323- Panel discussion and closing session of zSeries Oracle SIG

Thursday

240 - Zero Downtime Migrations using Oracle GoldenGate

List of My Oracle Support Notes

Note 1306465.1 Getting Started - 11gR2 Grid Infrastructure, SI(Single Instance), ASM and DB (IBM: Linux on System z)
Note 1470834.1 - Requirements for Installing Oracle 11gR2 on RHEL 6 on IBM: Linux on System z (s390x)
Note 1290644.1 - Requirements for Installing Oracle 11gR2 on SLES11 on IBM: Linux on System z (s390x) Also review note:
OHASD fails to start on SuSE 11 SP2 on IBM: Linux on System z [ID 1476511.1]
Note 1308859.1 Requirements for Installing Oracle 11gR2 on SLES 10 on IBM: Linux on System z   (s390x)
Note 1306889.1 Requirements for Installing Oracle 11gR2 on RHEL 5 on IBM: Linux on System z (s390x)
Note 1086769.1 - Ensure you have prerequisite rpms to install Oracle Database and AS10g(midtier) on IBM: Linux on System z (s390x
Note 1377392.1 How to Manually Configure Disk Storage devices for use with Oracle ASM 11.2 on IBM: Linux on System z Red Hat 6
Note 1350008.1 How to Manually Configure Disk Storage devices for use with Oracle ASM 11.2 on IBM: Linux on System z SLES
Note 1351746.1 How to Manually Configure Disk Storage devices for use with Oracle ASM 11.2 on IBM: Linux on System z Red Hat 5

Note 1400185.1 How to Upgrade Oracle Restart i.e. Single Node Grid Infrastructure/ASM from 11.2.0.2 to 11.2.0.3

Note 1276058.1 Oracle GoldenGate Best Practices: Instantiation from an Oracle Source Database
Note 1413787.1 How to completely remove 11.2 Grid Infrastructure, CRS and/or Oracle Restart - IBM: Linux on System z

Note 259301.1 CRS and 10g Real Application Clusters
Note 268937.1 Repairing or Restoring an Inconsistent OCR in RAC
Note 239998.1 10g RAC How to clean up after a failed CRS Install
Note 220970.1 RAC Frequently Asked Questions Topic

Note 420382.1 Requirements for Installing Oracle 10gR2 RDBMS on RHEL 4 on zLinux (s390x).
Note 431443.1 Requirements for Installing Oracle 10gR2 RDBMS on SLES 9 zLinux (s390x)
Note 1082253 Requirements for Installing Oracle 10gR2 RDBMS on SLES 10 zLinux (s390x)
Note 741646.1 Requirements for Installing Oracle 10gR2 RDBMS on RHEL 5 on zLinux (s390x).
Note 415182.1 DB Install Requirements Quick Reference - zSeries based Linux .

Note 741146.1 Installing Standalone Agent 10.2 on Linux on z

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List of Redbooks

Redbooks available at **www.redbooks.ibm.com**

•Experiences with Oracle Solutions on Linux for IBM System z, SG24-7634

•Installing Oracle 11gR2(11.2.0.2) RAC on Linux on System z, REDP4788

•Experiences with a Silent Install of Oracle Database 11gR2 RAC on Linux on System z (11.2.0.3), REDP9131

•*NEW* Experiences with Oracle 11gR2 on Linux on System z (11.2.0.3), SG24-8104 (available March/ April 2013)

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