Operational Best Practices for Oracle Exadata

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A Quick Note on enhitec

- Oracle-centric consulting
- Based in Dallas, TX
- Purchased V2 Exadata in 2010
- 100 Exadata implementations

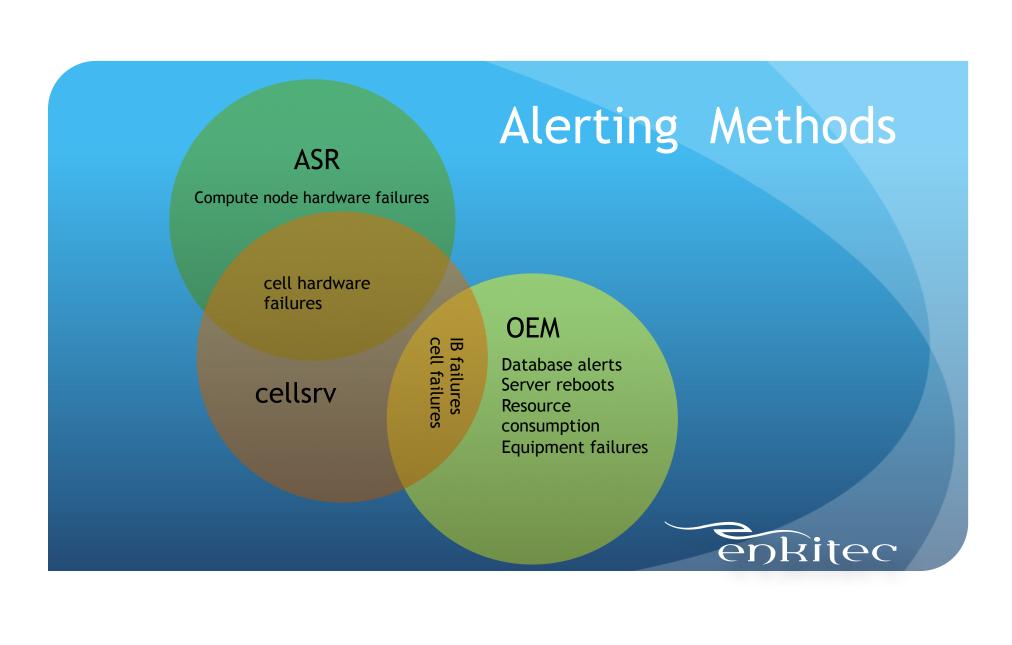


Patching Recommendations



- Create a repeatable patching process
 - Allows you to prepare for the unexpected
 - Helps plan more accurate maintenance windows
- Run exachk before & after patching
- Standby-first patching is awesome!





Alerting Example - cellsrv



Warning: Software Stateful Alert 318_1

Event Time 2012-08-14T16:05:07-05:00

Description A SQLID quarantine has been added. As a result, Smart Scan is disabled for the SQLID.

Quarantine id Quarantine type **SQLID** Quarantine reason Manual SOLID futc2d3agtqbv

Affected Cell Name enkcel02

> Server Model SUN MICROSYSTEMS SUN FIRE X4275 SERVER SATA

Chassis Serial Number

Release Version 11.2.3.1.1

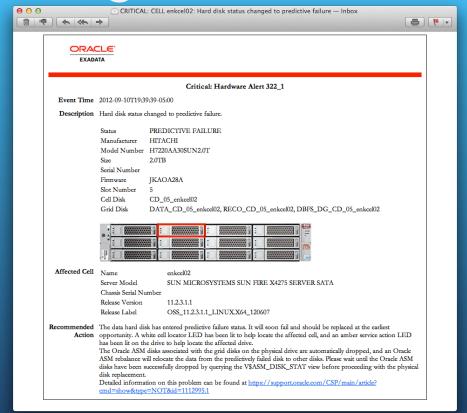
Release Label OSS_11.2.3.1.1_LINUX.X64_120607

Recommended A quarantine has been manually created by the cell administrator. Make sure the quarantine will be dropped to prevent potential Action performance degradation. When possible, disable offload for the SQL statement or apply the Oracle Database patch that fixes the

crash, then you can run remove the quarantine by the following CellCLI command: CellCLI> drop quarantine 1

All quarantines are automatically removed when a cell is patched or upgraded. For information about how to disable offload for the SQL statement, refer to the section about 'SQL Processing Offload' in Oracle Exadata Storage Server User's Guide.

Alerting Differences - cellsrv





Alerting Differences - ASR

ORNASRINTFC_WW@ORACLE.COM - April 8, 2012 11:49:46 AM GMT-05:00 [Customer Problem Description]

Problem Description: =ASR Alarm= Automatic Service Request (ASR) Alarm Generated: 2012-04-08 10:49:21

Severity: 2 Device:

Eventcode: HALRT-02001

Event num: HALRT-02001

ASR: System hard disk failure

Hostname: dm03cel06-ilom.

Product Type: SUN FIRE X4270 M2 SERVER Summary: ASR: System hard disk failure

Description: Please review MOS note 1112994.1 by selecting "Related Articles"

sunHwTrapChassisId =

sunHwTrapProductName = SUN FIRE X4270 M2 SERVER

sunHwTrapSuspectComponentName = SEAGATE ST32000SSSUN2.0T; Slot: 1

sunHwTrapFaultClass = NULL sunHwTrapFaultCertainty = 0

sunHwTrapFaultMessageID = HALRT-02001

sunHwTrapFaultUUID = 5f93b935-a04f-4a63-84fe-faa25f4dcb25

sunHwTrapAssocObjectId = .0.0

sunHwTrapAdditionalInfo = Exadata Storage Server: dm03cel06.

Disk Serial Number: L78518

Please review MOS note 1112994.1 by selecting "Related Articles"

Extra information:-

Alerts received for this system in last 2 months (limit 10):

None



Wrapping Up



- Exadata is still running Oracle and Linux/Solaris
- Use common sense
- It's not a black box

