





































Linux for System z	
Deploying RAC for High Availability	
 RAC – Real Application Clusters 	
 Active/Passive configuration 	
One node processes work	
 The other node waits for the first node to fail 	
 Active/Active configuration 	
All nodes process work	
 If any node fails the cluster is re-mastered. 	
 Besides availability, RAC can be used for workload distribution 	
 All work does not have to go through all nodes 	
- Deploy	
 In the same LPAR for test/dev applications 	
 Across LPARs for LPAR maintenance or software failures (most common implementation) 	
 Across CECs when taking entire systems down is a "common" occurrence 	
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	Linux for System z	TEM
	Additional Information Sources	
	http://www.ibm.com/redbooks	
	- SG24-6482-00 Experiences with Oracle Database 10g on Linux for zSeries	
	- SG24-7191-00 Experiences with Oracle 10gR2 Solutions on Linux for System z	
	 SG24-7573-00 Using Oracle Solutions on Linux on System z 	
	 SG24-7634-00 Experiences with Oracle Solutions on Linux for IBM System z 	
	http://www.oracle.com/ibm	
	- IBM platform information	
	http://otn.oracle.com	
	- (Select "Downloads")	
	http://www.vm.ibm.com/perf/tips	
1.1	- General z/VM Tuning Tips	
	- Lot's of information on Linux for zSeries	
1.1	http://www-128.ibm.com/developerworks/linux/linux390/perf/index.html	
	 Hints and Tips for tuning Linux on System z 	
1.1	http://www.zseriesoraclesig.org	
	- Special Interest Group of Oracle users on the mainframe (z/OS and Linux)	
	- Marist List Server	
1.1	http://www.oracleinsight.net/2008/02/06/the-mainframe-renaissance/	
	- The Mainframe Renaissance	
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Linux for System z	
Oracle Clusterware Components	
Virtual IP's	
 IP Address which can be "failed over" 	
 Provides Mechanism to Automate Reconnections 	
Voting Disks	
 Shared file or disk device for quorum management 	
Cluster Registry (OCR)	
Cluster Configuration and Status	
Daemons	
crsd – Cluster Resource Services	
 ocssd – Cluster Synchronization Services 	
 evmd – Event Management Logger (Event Generation) 	
oprocd - I/O Fencing	
Oracle Supplied & Custom Applications	
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Linux for System z	-0				lluw
Oracle Automatic St	oraae Manad	nement			
COACL & Entrysice Manager 109 Hosts Databases Application Servers W Host: Idsmngd1c02.oracleads.com > Automatic Storage Management:	Line eb Applications Services S +ASM_tdsmngd1c02	Tarets Decorrero Anto Action Cystems Groups All Tar coracleads.com	Proferences He Policies (Job) rgets Logged in	Reports	
Home <u>Performance</u> <u>Administration</u> C	configuration	Data Detrieved October 17, 20	IDE 4:45 DR DM TE	Teotrad	
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Up Since Up Since Oct 17, 2006 2:37:50 f Availability (%) 95.17 Loot 24 hour: Unstance Name +ASM Version 10.2.0.1.0 Host Us/grade/product/db/ Alert Log	Curring 29 unitment PM CDT UNT S. com DgR2	5 20 22,00 15,00 Fire Interna Interna mod 1/23 oraclasis corr in a cosmight.02 orac wass.com cat.cosmight.02 orac wass.com	23,00		
Serviced Databases					
Name	Disk Groups	Space Used (GB)	Availability	Alerts	
proditdsmpgd1c02.oracleads.com	SYSTEM	2.58	0	<u>10 U</u> 44 0	
uat.tdsmndd1c02.oracleads.com	UAT	9.5	Ŷ	171	
Alerts			-		
Severity Category Name	Message	Alert 1	Friggered		
Disk Group Usage Used %	Disk Group SYSTEM is 76.	25% used. Mar 1,	2006 9:57:18	PM	
Page 35			(© 2009 IBM Corporatior	þ





































