

Slide 1: Sun Cluster Solutions with Oracle RAC

Hi. I'm Keith White, Director of Availability Engineering at Sun. I'd like to talk to you about Sun Cluster solutions with Oracle RAC.

Slide 2: Why Sun Cluster for Oracle RAC?

So why would you want Sun Cluster when you're running Oracle RAC? Specifically, if you're running Oracle RAC, you're probably running something else that takes advantage of RAC as well and you'd like to run those things on the same systems that you're running the RAC database. Sun Cluster allows that. We provide data services that will make not only RAC highly available, but also the services that depend on RAC available. We also provide faster failover because our heartbeats are embedded in our kernel, so you get that detection and resilience through kernel integration. We also eliminate single points of failure that are common in voting and OCR disks. Sun Cluster leverages Oracle RAC advanced capabilities as well. We integrate with Oracle RAC CRS and we also support ASM. Shared file systems are supported by Sun Cluster so you can put the Oracle binaries themselves in one place instead of placing them in all nodes of the cluster. So it's ease of manageability. Sun Cluster provides that.

Slide 3: Highlights

Some of the highlights -- we provide, Sun Cluster provides, I/O fencing so we eliminate or drastically reduce any data corruption possibilities even so you don't get that possibility in your system. All interconnects and links are used with automatic failover, so we detect, we check for links, whether they're in commission or working perfectly. And if they're not, we take them out of service and don't use them and there's no failure because we're using the other links. In addition, since you've purchased redundancy in these interconnects, we allow you to use the full bandwidth of those interconnects by traffic stretching across them. So the interconnects act as one big pipe, as opposed to individual small pipes.

Slide 4: Oracle Solutions

Some of the solutions we provide -- so if you're just a regular Oracle user, we provide an HA Oracle agent so that Oracle itself can just failover to another set of systems. If you're using RAC, we integrate with RAC -- we have a RAC agent -- so that you get higher levels of availability with Sun Cluster and Oracle RAC. In addition, if you prefer the ease of use of volume management and file systems, we provide a bundled solution of integrated Solaris volume manager and a shared QFS file system.

Slide 5: Summary

In summary, Sun Cluster is a proven and mature monitoring and failover solution for the systems that you depend on. We have high performance file systems to improve the manageability, the robust Solaris volume manager for data mirroring and availability of the data as well. We support eight node Oracle RAC, both on Solaris SPARC and Solaris x64 systems. Sun Cluster makes your network and services available all the time.