

# Oracle RAC at SARA

Distributed Database Operations  
Workshop 26-27 November 2009

On 20/11/2009 a new RAC cluster was taken into production.

The cluster is based on a Sun Blade 6000 blade chassis with 8 (of 10 slots) slots used.

Seven X6250 Oracle blades do have the following configuration:

1 CPU with Quad core Intel Xeon L5430 Processor 2,6GHZ 50W.

16 GB memory based on four 4 GB Dimms.

Two 146 GB SAS disk with Raid controller.

One X6250 management blade :

1 CPU with Quad core Intel Xeon L5430  
Processor 2,6GHZ 50W.

8 GB memory based on two 4 GB Dimms.

Two 146 GB SAS disk with Raid controller.

Running SLES 10.

15 TiB of netto storage is provided by a StorageTek 6540 storage array.

A mix of 146 and 300 GB 15 Krpm fibre disks.

A total of 80 disks with a raw capacity of 19 TiB.

Disks are configured as RAID5.

Performance tested with the Orion tool.

(Requirement: 1 KIOPS/1 TiB)

3D:

ATLAS 3 nodes, LHCb 2 nodes

Other services:

ATLAS LFC, LHCb LFC, FTS: 2 nodes