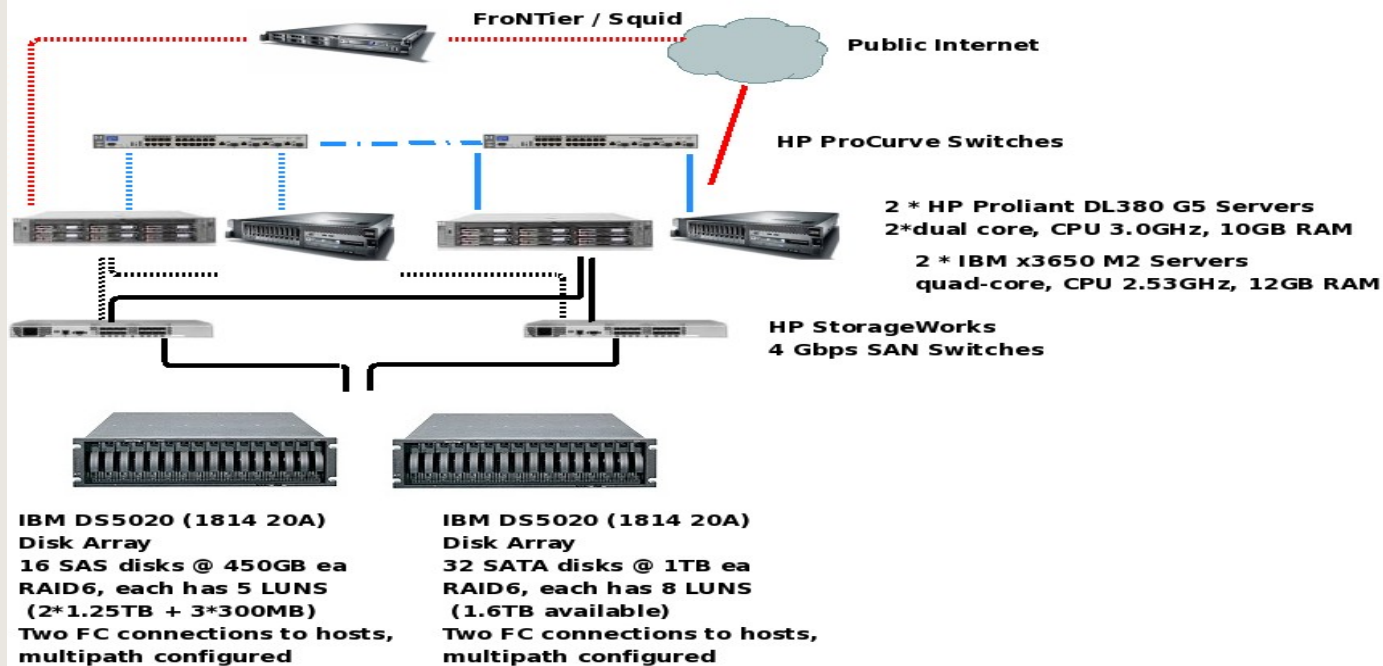


Database Status

Andrew Wong (aywong@triumf.ca)

TRIUMF ATLAS 3D ORACLE RAC Configuration



Databases: ATLAS 3D Conditions, TAGS & FTS

N.B.: Tier-1 LFC service is on MYSQL

Node 1 - TR-ORAC

- ATLAS 3D Conditions database instance 1
- ATLAS 3D Conditions Oracle Streams process

Node 2 – TR-ORAC2

- ATLAS 3D Conditions database instance 2
- ATLAS FroNTier connections

Node 3 – TR-ORAC3

- TAGS database instance 1
- FTS database instance 1

Node 4 – TR-ORAC4

- TAGS database instance 2

****TRIUMF is volunteering to host ATLAS TAGS****

- FTS database instance 2

Our set-up for ATLAS 3D Conditions Oracle Database Servers

--> RHEL 5 / Oracle Version 10.2.0.4

--> 2 Oracle RAC servers.

HP Proliant DL380 G5 dual core

Each server with the following specs:

CPUs 4

CPU speed 3 GHz

10GB RAM

--> SAS Storage - 16 SAS disks, 450GB each

IBM DS5020(1814 20A)

Two RAID6

Two FC connection to the hosts, multipath has been configured

Our set-up for TAG & FTS Oracle Database Servers

--> RHEL 5 / Oracle Version 11.2.0.1

--> 2 Oracle RAC Servers

IBM x3650 M2

Each server with the following specs:

Intel quad-core @ ~2.53GHz

12 GB RAM

--> SATA Storage: 32 SATA Disks, 1TB each

IBM DS5020 (1814 20A) + Disk Expansion (1814 52A)

Two RAID6

TWO FC Connection to the hosts, multipath has been configured

Backups: Nightly RMAN jobs

Support / Monitoring:

OEM – email alerts (alert.log errors, apply process stopped, etc)

Scripts – CRS, ASM usage

Nagios – ping, ssh, paged if Oracle node is down

Ganglia - <http://gridinfo.triumf.ca/ganglia/>

Node: `frontier.triumf.ca`

-->One dedicated FroNTier / Squid server

CPU 8

CPU speed 2.5GHz

Memory 8GB

200GB Disk cache size of Frontier/Squid

We upgraded / added the following in July 2011:

- >ATLAS 3D Oracle Storage, moved from SATA to SAS Drives
- >Added 2 node Oracle RAC for TAG & FTS (on SATA Drives)
- >Added One dedicated FroNTier / Squid server

No future plans for 2011

Thank You!

Merci!