

- The Server Virtualization Product Families we are using?

VMWare ESX 3.5 - running Windows and Linux Virtual machines
VMWare ESX 4.0 (VSpere) - currently testing, running dev environments
Solaris 10 Containers (LDOMS etc) - CMS and web apps

- The major initiatives in this area at this stage are

Consolidation of hardware into virtual machines. Strategy is to virtualise by default and only run on raw hardware if there is a real need.

testing ESX 4.0 - moving to self provisioning for clients using LCM
Moving to High Availability (HA) between campuses, so if physical machine fails at one site another can take its place at the other site to do this rolling out Site Recovery Manager (SRM), however requires balancing between campuses.
-VMWare 4.0 will feature the failover for Single Virtual Machine hosts.

- The storage manufacturers we use

Hitachi Data Systems (Sun reseller) Have an RFO out currently for alternate solutions including 'cloud solutions'.

- The network manufacturers we use

Currently using VMWare virtual switch
Physical - Cisco, Catalyst 3750, CBS3030

Current Setup (server side) - 2 sites

Gold Coast

Production - 11 Physical hosts
Development - 6 Physical hosts
Total 40 Virtual hosts

Nathan

Production - 13 Physical hosts
Development - 4 Physical hosts
Total 120 Virtual hosts

HDS (SAN) (using storage VMotion in SAN) <---Async between---> HDS (SAN) (using storage VMotion in SAN)

Virtual Centre Management - Gold Coast (1 per site)

Virtual Centre Management - Nathan

Using Distributed Resource Scheduling for high load management on servers, is currently setup to give a recommendation to move VM's to another physical host. May look at automating this service in the future currently not as 'playing it safe' due to recommendations from internal Griffith Change Advisory Board (CAB).