F. Chlebana
Mar 8 2006

Status

$\rightarrow$ Two racks have been ordered...

$\rightarrow$ Purchase Order for Fibre Channel switch and HBA has been placed *(sent purchasing additional info)*

$\rightarrow$ Purchase Order for Receiver Node and 2 Logger Nodes has been placed *(now appears in system)*

$\rightarrow$ Purchase Order for replacement KVM Drawer (16 port)

$\rightarrow$ Ready to order 2 dual controller 14 TB SATABeasts

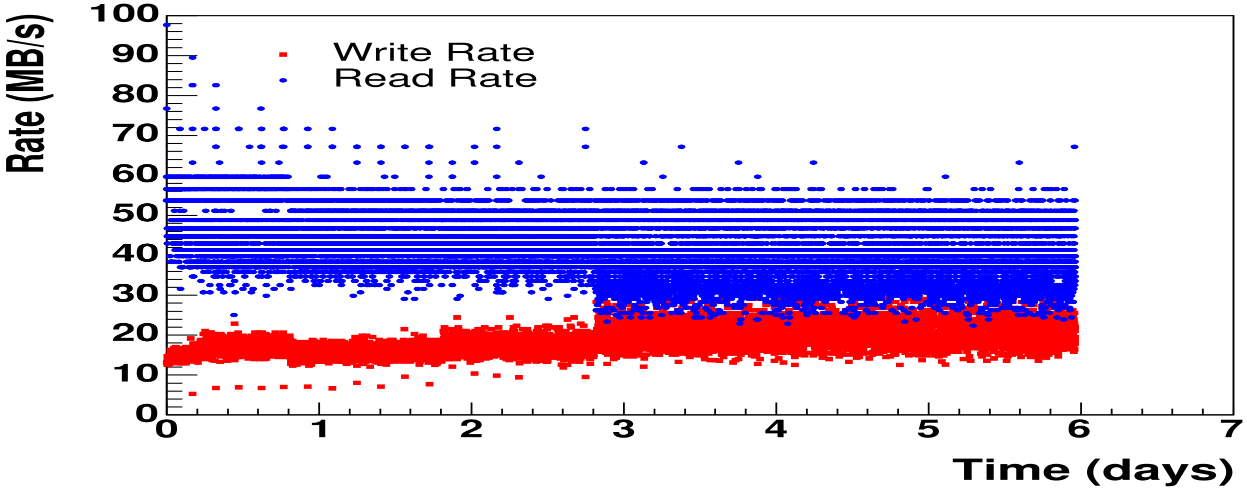
csltest account setup (can start tape logging tests!)

Running long term IO tests on ATABeast

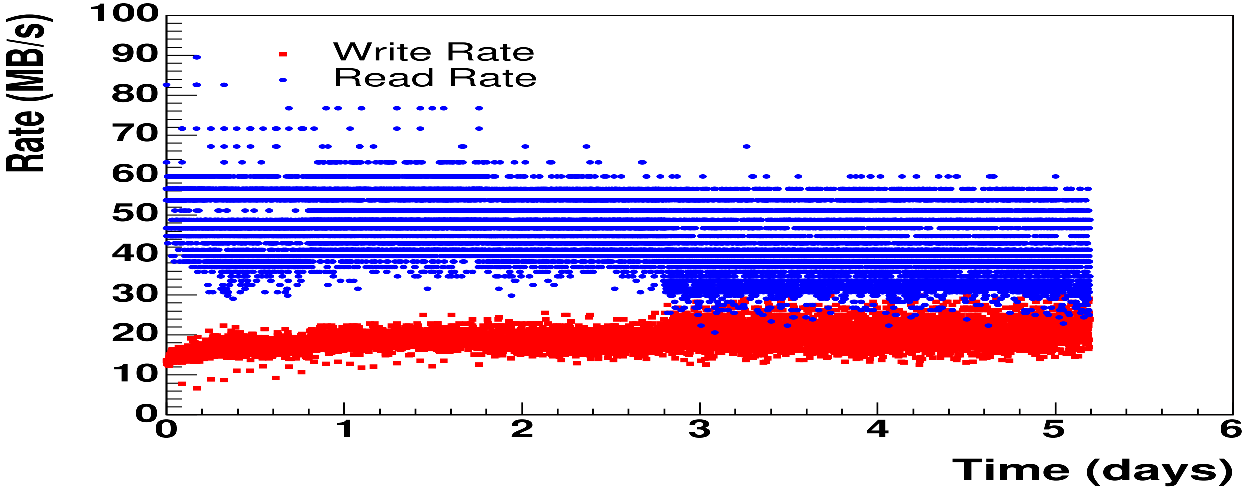
Looking into getting ganglia installed on CSL machines

Long Term ATABeast Disk IO Tests

data155



data156



Nexsan Warrenty

Three Years Advance Replacement Warranty:

Nexsan Technologies storage systems are warranted for three full years from the date of shipment. Upon verification of failure, replacement equipment will be shipped out to our customers. Return material authorizations will accompany all equipment shipped and can be issued either by our phone, fax, or email. (drive warranties vary and may exceed three years, warranties are non-transferable without prior consent from Nexsan)

"Everything has a 3 warranty advanced exchange, so as quickly as we can get it on a truck, normal process is ground. Upgrades are available to that method."

On Location Pre-Exchange Program:

An industry first program for maximum protection of critical storage devices, this program provides customers with an on location unit that features fully redundant fail-over hardware including the chassis for a nominal annual charge. This program enables our customers to have in their rack chassis a fully implemented system. Along with our 24-hour free phone support, customers can now be assured of rapid resolution to any problem. Defective components can then be advance replaced for constant availability.

On Site Warranty:

Nexsan offers World Wide On-Site support seven days a week, twenty-four hours a day. (Some countries and costs vary, check with your sales representative for specific regional details). A simple call to our European or North American support offices and we will assist in diagnosis and dispatch an on-site technician as required. A call tracking number will be issued for convenience to our customers.

Telephone Support:

Nexsan Technologies is fully staffed in providing multiple regional Support centers in North America, United Kingdom and Central Europe. All of our regional support centers staff Senior Field Application Engineers who can provide phone or on-site support as requested. Support can be also be reached via email at support@nexsan.com.

On Location Pre-Exchange Program

```
Chassis, Controller, Power supplies, 3 drives

Cost:
 1st year  - $7719
 2nd year  - $4454
 3rd year  - $2078
 Buyout    -  $500
```

Does not look so attractive to me...

Would like to evaluate the bandwidth we can achieve when directing 8 logger nodes to one SATABeast...

Cost of SATABeast

```
  Dual controller with 28 500GB disks, 14T   $23888
  10 day delivery time
```

Ready to go ahead and purchase the storage units

Remaining purchases:

```
7 Logger nodes ($2677)  =   $18739
4 HBA QLA2342  ($1275)  =    $5100
SANbox 5200    ($4150)  =    $4150
GigE (3Com 3824)        =    $1900
UPS ??
```

Rack Layout

There is a large UPS at the end of the row of racks where we will put the two new CSL racks.

This UPS is connected to diesel generator power
$\rightarrow$ *Propose we use that*

Layout should take into consideration the cabling

More details with equipment specs at:

`http://ncdf76.fnal.gov/~chlebana/daq/cslUpgrade/rackLayout/`

Need to find someone to review power requirements, plug types and finalize layout

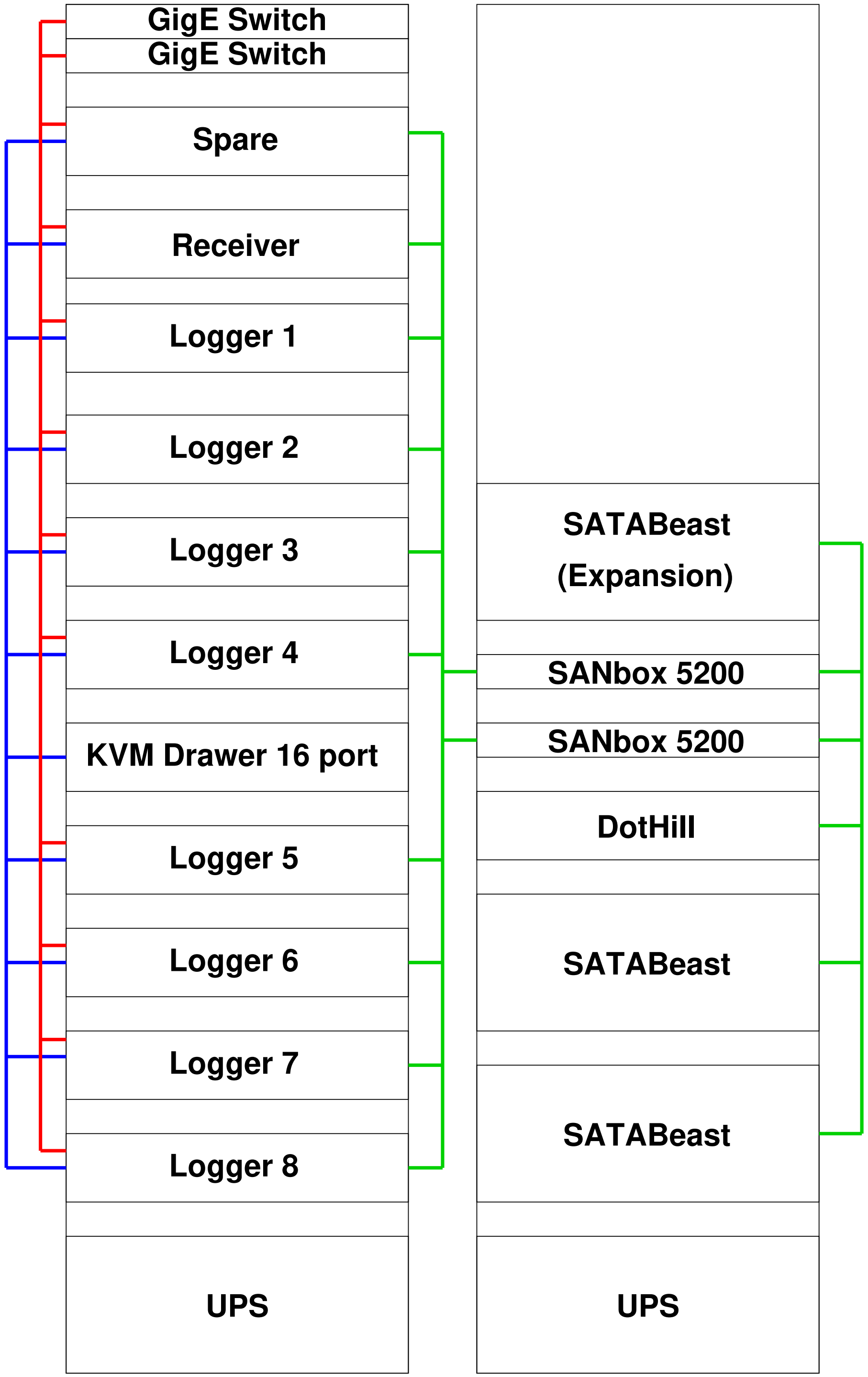


Diagram shows 40U

→ *KVM Drawer has to connect to the 10 PCs*

→ *Ethernet cables run from GigE switch to PCs*

→ *Fibre runs from PCs to SANbox*

→ *Fibre runs from SANbox to storage units*

Anything missing?