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Status

Isolated two hardware problems

→ Memory on b0csl26

→ Possible SATABeast 2 Controller 1 problem

b0csl26 memory removed and ASA contacted to get a replacement.

Contacted NEXSAN about controller problem. Need to reproduce it and send them the event log.

Outstanding purchases

Fibre Channel Switch and SFP: *Arrived, installed in rack and being used*

HBA: *Arrived*

GigE switches: *Arrived, installed in rack and being used*

Spare Receiver: *PO Place ETA July 31.*

Intel Pro/1000 NICs to replace the syskonnect cards: *Order placed, ETA July 31*

Hardware Configuration

Kernel was updated
→ Needed to reinstall sk98lin driver

SAM Servers have been decommissioned.
Needed to update ACL with replacement node (cdfsamraw1)
→ Request sent to DataComm
→ Updated static routing table on b0csl22-29

CISCO switches installed in rack
→ Moved from 3COM switch to CISCO switch

Second Fibre Channel Switch installed
→ Redundant path configuration

Cables have been redressed

Connect other equipment to switch
→ CISCO Switch 1/2
→ SATABeast 1/2
→ Fibre Channel Switch 1/2

Integration Testing

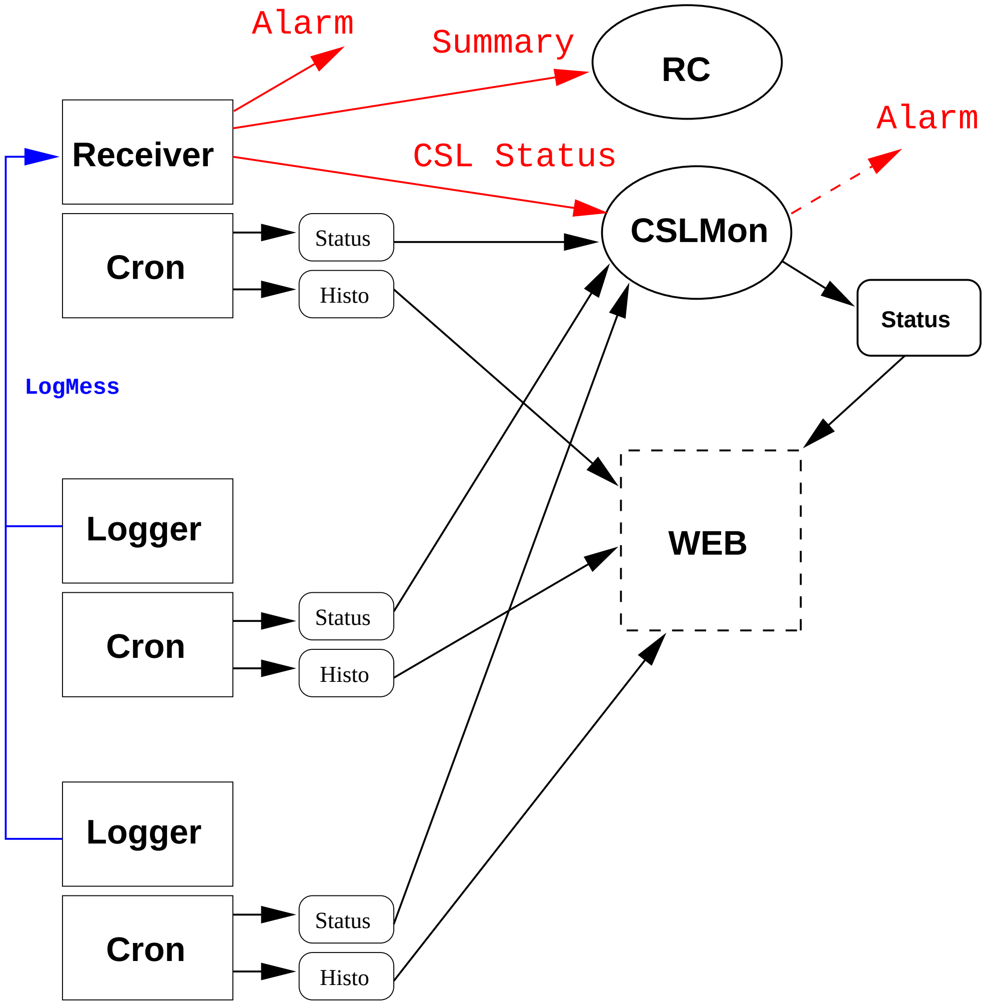
Continue integration tests while focusing on *long term stability* and *monitoring*.

→ Use full system (8 logger nodes)
→ RTServer disconnect
→ Output log files in designated area
→ Run with dummy consumer
→ Develop monitoring

L3Sender limiting the logging rate....

Will need to run DISK IO tests on b0csl26-29 in order to try to reproduce the SATABeast controller problem

Monitoring



As the plan develops, information being collected at:

http://ncdf76.fnal.gov/~chlebana/daq/cslUpgrade/monitor/

Next Steps

Continue Integration Tests

→ Increase rate from L3Sender

→ Data validation

→ Improve robustness and error recovery

Add/develop monitoring

Receiver sends smart socket message to CSL Display

Develop control GUI

Interface to restart CSL and related software

Run Calibrations

Interface with RC, start stop run while interacting with RC.

Connect Receiver to EVB output switch

Run L2 Torture with L3 output

Schedule

Will have a readyness review at the end of August.

Need to:

Finalize/freeze hardware configuration

Really need to be running integration tests in order to identify operational issues and to develop monitoring framework

We need to be able to run reliably for an extended time, Aug 4

Need to have in place better *monitoring* and *restart procedures*

Well developed by Aug 4

Start full system test, reading data from L3

We should aim to have a full integration test by Aug 9 - 11