CASE STUDY

IT INFRASTRUCTURE HIGH PERFORMANCE COMPUTING

Design – Build – Implement – Manage IT Infrastructure

Server and Storage Infrastructure includes

- 24 Nos. HP DL 360/DL 380 Rack based servers;

- 40 No's HP Blade Servers;

- Storage HP EVA 4400 / EVA 6400, Tape Library;

Adopting the HP Blades platform to consolidate their IT infrastructure supports their overall strategy of employing technology that can reduce infrastructure costs and bring operational savings to the bottom line. EVA Storage fulfills the need for mission critical research data.

Network Infrastructure includes Cisco 6500 Chassis based switch along with the combination of Cisco 2900 series and HP 2600 series Edge and Access Switches. The entire campus is wireless with Linksys WAP with secured radius servers and Cisco ASA Firewalls.
We have implemented and supporting applications and Solutions at NCL which includes.

- Mail Messaging based on Microsoft Exchange
- ERP software Microsoft Dynamics Axepta and Other provided by TCS
- Storage Infrastructure with HP EVA 4000, 6000 Series with
- Tape Library for back up; Disaster Recovery site based on Platespin forge
- with 10 workloads with synchronous replication
- Virtual Desktop Infrastructure using VMware View
- Several HPC Linux based clusters ranging from 8 Nodes to 72 nodes with
- NFS and PFS storage for Molecular Modeling and Computational chemistry.
  We are NCL's preferred IT vendor and are giving Facility Management Services by Deploying on site Team of Experts.

Solutions

- Designed Storage Infrastructure.
- Designed a Disaster Recovery site.
- Designed a Virtual Desktop Infrastructure.
- Designed High Performance Computing Linux based Clusters