IUCAA Ligo Data Analysis System (IUCAA-LDAS)

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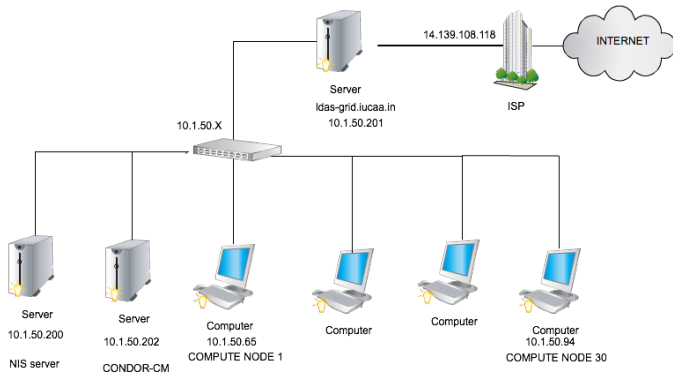
Hardware Resources

S.No	Server	Service	CPU	Memory
1	ldas.grid.iucaa.in	Login/Job submit	A (8C)	32 GB
2	condor-cm	Condor CM	A (8C)	16 GB
3	newchn	NIS	A (8C)	16 GB
4	hpc065-hpc094	Compute Nodes	B (16C)	132 GB
5	ldas-gridmon	Gangalia/Vulture	A (8C)	8 GB
6	ldas-test.local	Free	A (4C)	8GB

Table : Hardware Specifications of IUCAA-LIGO data centre. A:Intel Xeon E5-2609 @2.40 Ghz, B: Intel Xeon E5-2670 @ 2.60GHz

Disks:

- **/data1** (143G) : home directories
- **/ligo** (563T) : data archive, user space

Server
ldas-grid.iucaa.in
10.1.50.201

14.139.108.118

INTERNET

ISP

10.1.50.X

Server
10.1.50.200
NIS server

Server
10.1.50.202
CONDOR-CM

Computer
10.1.50.65
COMPUTE NODE 1

Computer

Computer

Computer
10.1.50.94
COMPUTE NODE 30

[online diagramming & design] creately.com

Services

- IUCAA-LDAS system has **LDG Server 5.x** installed on **Scientific Linux 6.1** as recommended by Ligo Data Grid website.
- The main services which we have at present are:
  1. Globus Toolkit 5 - provides **gsissh, gsiscp, gridFTP** etc.
  2. Condor - 496 condor nodes
  3. LAL
- Applications:
  - ▶ iHope - have been tested
- Users - 18 Users (4-5 Active)
- Data :
  - ▶ NINJA2
  - ▶ S6