BAADAL

An Academic Cloud

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Welcome to Baadal

Baadal is a management and orchestration software for the IITD private cloud for high performance computing based on:

- 32 blade servers each with 48 core Intel(R) Xeon(R) CPU E5-2680 v3 @ 2.50GHz and 377 GB RAM.
- A n*10Gbps ethernet backbone.
- 10 TB of virtualized storage.

Some of the main features of Baadal are:

- Dynamic resource scheduling and power management.
- Facilities for **suspend, resume, shutdown, power off, power on** and **specifying resource requirement** of virtual machines.
- Dynamic resource utilization monitoring.

Fig : Baadal proof