

List of functions

- Request virtual machine(s) with given specifications from a physical machine connected to the IITD LAN.
- Interact with the virtual machine using a command line interface.
- Physical machines can be powered on and off to host VMs.
- VMs can be suspended and a snapshot of it can be stored on the user's computer. This snapshot can be used to resume the VM later.
- VMs can be seamlessly migrated from one physical machine to another.
- A software will assess the computational needs of all running VMs. These will be distributed amongst physical machines so that a minimum number of them need to be powered on. This will save energy.
- A user physically using a computer in the lab is preferentially given access to its computing resources. Any VMs running on it are either suspended or moved to another machine.
- Multiple VMs can be connected using a virtual network to form a LAN.
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