Architecture

The VCL Architecture consists or 3 main components:

- Web Portal (*Frontend*)
- Database
- Management Node(s) (*Backend*)

User Interface (Web portal)
VCL Scheduler

VCL web
End user access point
Auth/Auth Users
Environment selections
Post requests to database
Admin tools
API XMLRPC

VCL Database Provides
Reservation requests
Resource inventory
Resource mappings
User priveleges
Image profiles, metadata

Database

VCL MN
Process requests
Loads node
Reclaims node
Moduler
Easily add prov. eng

Image Library

Image Library
Image files
Image metadata
Linux install tree
Coupled with image
profiles in database
NFS, GFS mounted

Management node
VCL Daemon

Provisioning Engines

Physical Deployer

Virtual Deployer

New Deployer module

Accomplishes Deployment

Nodes
Nodes
Nodes
Nodes

New Resource Type
New Provisoning manager

Nodes
Nodes
Nodes
Nodes

Represents set of undifferentated resources