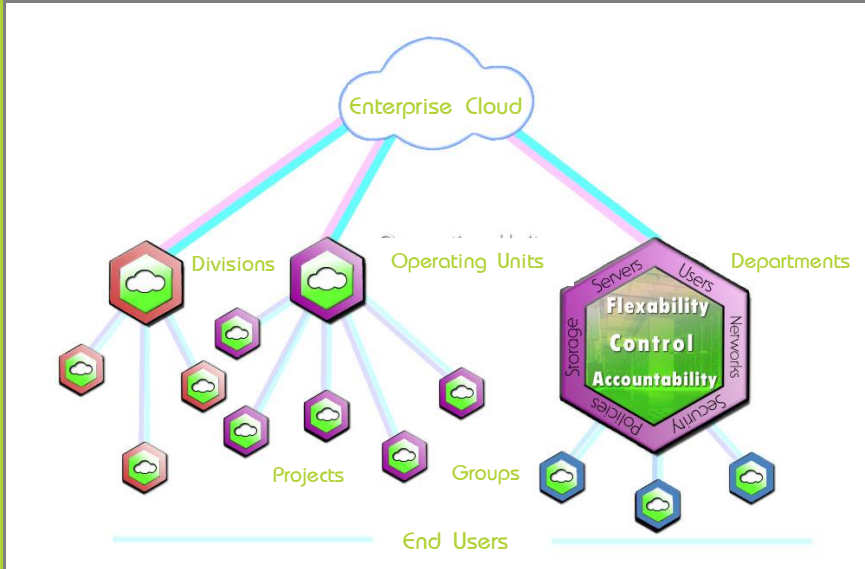


VxDatacenter Enterprise Edition (EE)

Deliver Multi-Tenant Infrastructure as a Service (IaaS)



Achieve cloud efficiencies that benefit business from top to bottom!

Hexagrid’s state-of-the-art VxDatacenter platform is a comprehensive cloud solution specifically designed for real-world IT delivery. This tightly integrated platform provides unprecedented control and agility enabling efficient IT consolidation and simplified IT administration without all the hassles of a commodity cloud.

It’s Your Cloud, Own It!

- Virtualize off-the-shelf commodity server hardware with optimal IT infrastructure performance, availability, and scalability.
- Manage and monitor total IT infrastructure (network, compute and storage) at any time, from anywhere using the intuitive VxPortal.
- Track utilization and integrate accounting/chargeback systems to accurately distribute IT expenses across projects and operating units.
- Modify or add hardware/appliances and expedite the resolution of IT issues without slowing business productivity.
- Maintain comprehensive security controls that meet policy and legal requirements, including segregated multi-tiered access assignments for different applications and network topologies.
- Implement a complete cloud solution that’s easily customized to fit your business model, your security needs, and your organizational structure.

Platform Elements

VxPortal:

This secure, brand-aware control console provides authorized web access and self-provisioning capability for complete IT infrastructure (network, compute, and storage) control with international language support. Real-time utilization dashboards easily integrate tracking, monitoring, auditing, reporting, billing, and accounting systems.

VxGrid

Scalable to 100+ physical servers or 3 racks per POD, VxGrid optimizes network speed and disk throughput with a stateless KVM hypervisor cache-tuned for high-performance computing. VxGrid supports off-the-shelf commodity server hardware and includes a self-healing resource manager and zero-impact patch-update manager.

API

Scriptable command line infrastructure management allows RESTful/SOAP programmable functions for all VM operations and third-party integration.

Storage

Isolated storage and computing facilities ensure maximum performance and flexible integration of Hexagrid’s ZFS-based block storage (optional), third-party NAS storage (i.e. NetApp, EMC, etc.) or Mezeo Distributed Object Store (similar to Amazon S3 Storage).

Network Switch Fabric

A unified networking layer includes high-speed SAN Switch and intraVLAN policy manager to secure the self-managed IP address routes and n-tiered VLAN access to VPN, back-up, and physical networks with bonding support for fault tolerance.

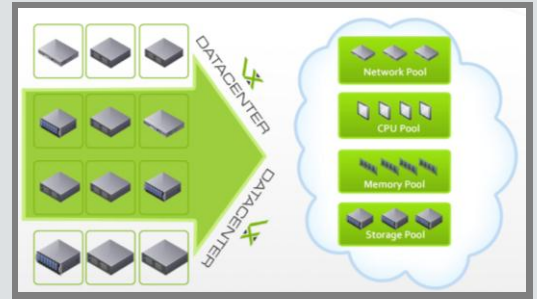
Scheduler

An integrated workload scheduler facilitates zero-downtime resource migration using intelligent auto-allocation of VM resources based on detected fault tolerances.

VxDatacenter EE: *It's your cloud, own it!*

From architecture planning to full implementation, building a reliable cloud should be quick, simple, and painless. *With VxDatacenter, it is!* In less than 4 hours, enterprises can build an on-premise private cloud complete with provisioning, Image Library, and comprehensive security controls. The platform features and functionality address custom enterprise requirements, but easily progress to keep pace as business needs evolve. With VxDatacenter, IT professionals avoid time the racks and focus time on end-user support and value-added applications.

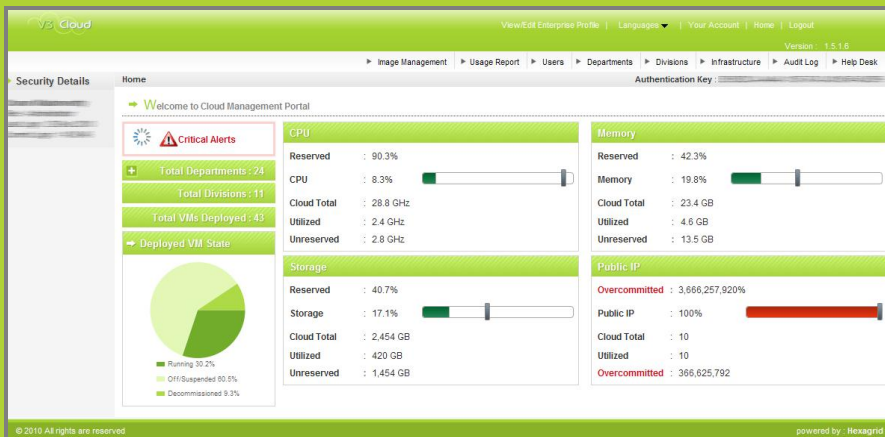
Turnkey Cloud Computing Solution



Virtualize hardware in less than 4 hours!

<p>DATACENTER FEATURES</p>	<p>Dashboard</p> <p>Comprehensive unified dashboards summarize resource subscriptions, consumption, and any over commitments.</p>	<p>Resource Management</p> <p>Quickly add or upgrade hardware/resources by simply de-registering a node, VMs automatically realign within the cloud.</p>	<p>Resource Control</p> <p>Easily control/allocate resource availability (CPU, memory, network, and Disk Pool capacity) with auto-updating dashboard.</p>	<p>Resource Scheduler</p> <p>Optimize IaaS platform to distribute/migrate VMs without disrupting service or complex multi-tenant requirements.</p>	
	<p>Branding</p> <p>Customize cloud interface to maintain enterprise brand identity. Rebrand the interface at subsidiary, operating unit, or project level.</p>	<p>Delivery Management</p> <p>Create accounts with resource limits—each operating unit/project can add or manage users within their account and specify access controls.</p>	<p>Control Panel</p> <p>Manage complete VM lifecycle—change VM properties, extend VM resources, modify VM VLAN associations, and clone VM servers.</p>	<p>Audit Logs</p> <p>Get complete audits of VM server events, query audit logs for event types/timeframes, and track all changes by unit/project/end-user.</p>	<p>Usage Reports</p> <p>Track resource utilization by hour/day/month per VM/unit/project/user and export data via API/to CSV for flexible chargeback integration.</p>
	<p>Image Library</p> <p>Distribute proprietary or 3rd-party ISO/virtual appliances for on-demand self-provision of common application stacks.</p>	<p>Self-Provisioning</p> <p>Optional controls allow end-users to self-install VMs, ISO, apps, as well as clone, decommission or extend resources.</p>	<p>Managed VLANs</p> <p>Allow end-users to easily self-provision multiple private VLANs to suite their specific n-Tier architecture needs.</p>	<p>Network Access Policy</p> <p>Access control between VLANs provides firewall and security policy for network and server interconnectivity.</p>	<p>Business Continuity</p> <p>Easily manage servers or upgrade hypervisors with live migration based on best-fit criteria or admin specifications.</p>

Intuitive Management Portal



Control total IT resources from a single pane-of-glass.

Customized Image Library



Deliver ISO/apps required by enterprise segments!

VxDatacenter SPE: *It's your cloud, own it!*

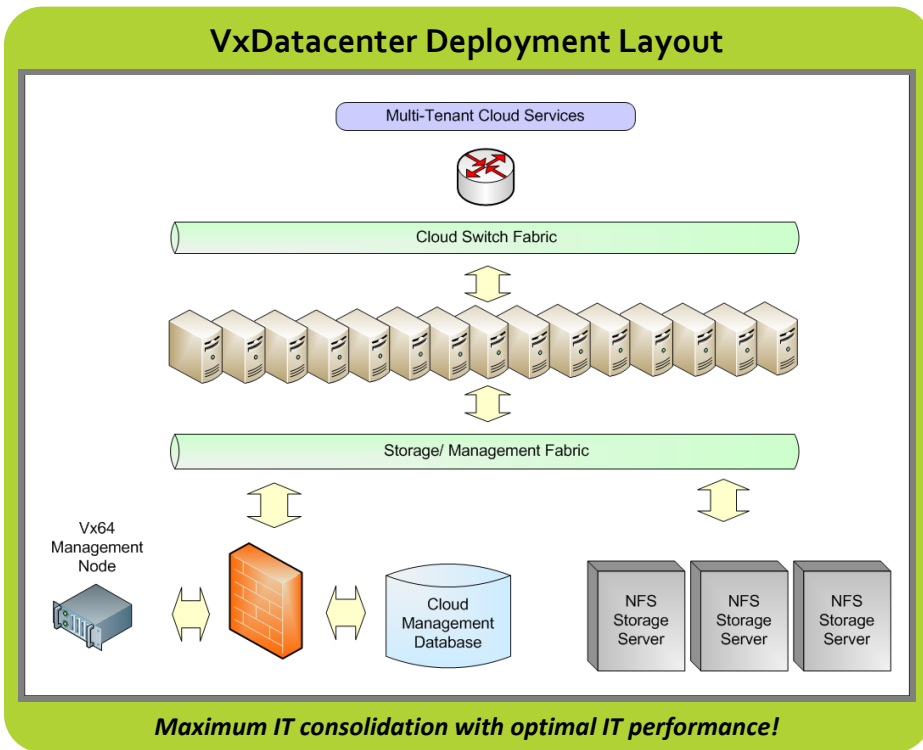
FEATURES COMPARISON	<u>VxDatacenter</u>	<u>VMWare vDirector</u>	<u>Abiquo</u>	<u>Cloud.com</u>	<u>Enomaly</u>	<u>OnApp</u>
Business Functions						
Multi-tenancy	✓	✓	✓	✓	✓	✓
Public Cloud	✓	✗	✗	✗	✗	✗
Private Cloud	✓	✓	✓	✓	✓	✓
3 rd -party Storage Integration	✓	✓	✓	✓	✓	✓
Public IP Allocation	✓	✓	✓	✓	✓	✓
Private VLAN Support	✓	✓*	✓	✗	✗	✗
Cloud API	✓	✓	✗	✗	✗	✗
Industry Customization	✓	✗	✗	✗	✗	✗
24x7 Support	✓	✓	✗	✗	✗	✗
Resource Pools	✓	✗	✗	✗	✗	✗
Delivery Management						
Chargeback Billing Portal	✓	✗	✗	✗	✗	✗
Single-Access Org. Views	✓	✗	✗	✗	✗	✗
Multi-level Reporting	✓	✗	✗	✗	✗	✗
Tiered Audit Logs	✓	✓	✗	✗	✗	✗
Multi-level Branding	✓	✗	✗	✗	✗	✗
Administrator Training	✓	✗	✗	✗	✗	✗
End-User Self-Provisioning	✓	✗	✗	✗	✗	✗
Image Library	✓	✗	✗	✗	✗	✗
White Label Program	✓	✗	✓	✓	✓	✓
Delegated ACL's Users	✓	✗	✗	✗	✗	✗
System Management						
High Availability	✓	✓*	✓*	✓*	✓*	✓*
Live Migration	✓	✓*	✓*	✓*	✓*	✓*
Workload Scheduler	✓	✗	✗	✗	✗	✗
Online Maintenance	✓	✓*	✓*	✓*	✓*	✓*
Templates	✓	✓	✓	✓	✓	✓
Auto Provisioning	✓	✗	✗	✗	✗	✗
Host Update Manager	✓	✓*	✓*	✓*	✓*	✓*
* Requires add-on or 3rd-party plugin to achieve specified functionality						

VxDatacenter SPE: *It's your cloud, own it!*

VxDatacenter is a comprehensive IaaS platform, comprising all the tools an enterprise needs to successfully build and manage an on-premises private cloud—essential requirements characterized as ‘optional’ / ‘addable’ / ‘configurable’ on other platforms.

- Secure console access with segregated multi-tenancy, policy-based user management, and single-pane-of-glass administration.
- Fault tolerance optimized to auto-detect failures and auto-migrate VM workloads, achieving IaaS continuity without intervention.
- Scalable design for virtualization without specifying server layout and self-service provisioning with peace-of-mind protection.

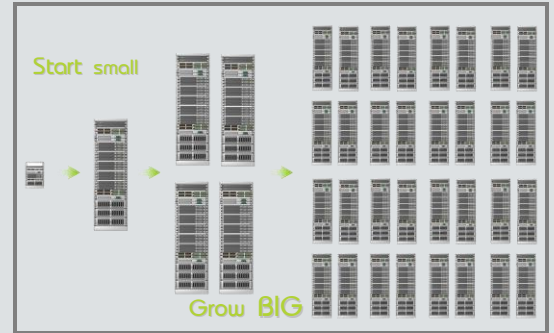
Confidently adopt a multi-tenant IaaS strategy with VxDatacenter, the same Hexagrid platform trusted for years by mission-critical enterprise worldwide.



Hexagrid Computing, Inc.

Hexagrid’s revolutionary approach to IaaS cloud computing truly simplifies virtual IT management. Hexagrid provides all the software and support necessary for enterprises to successfully build and manage customized on-premises clouds to address their unique business needs. From basic everyday computing to intensive high-powered operations, Hexagrid’s VxDatacenter enables businesses to immediately reduce IT costs and improve IT efficiency.

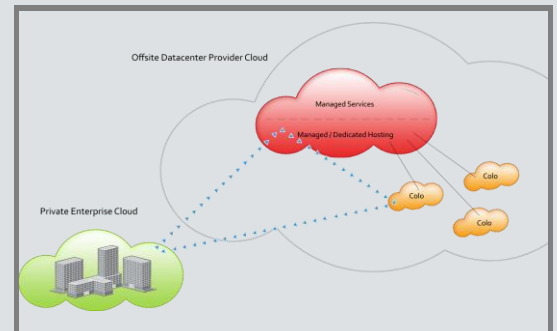
Easy Scalability Without Limitations



Add capacity in minutes, just plug-in and register!



The Future of Cloud Computing



VxDatacenter distributes IaaS computing!