# XLOUD TECHNOLOGIES

Virtualization as a Service for SMBs & Enterprise

Our solution empowers SMBs and large enterprises to efficiently manage and run multiple business applications on various VMs or containers. By optimizing server resource utilization, it enhances performance and scalability. Enabling hardware consolidation, increasing flexibility and boosting security, our virtualization environment adapts to your business's evolving needs.

Virtual Machine   Kubernetes   VM   Virtualization   Server
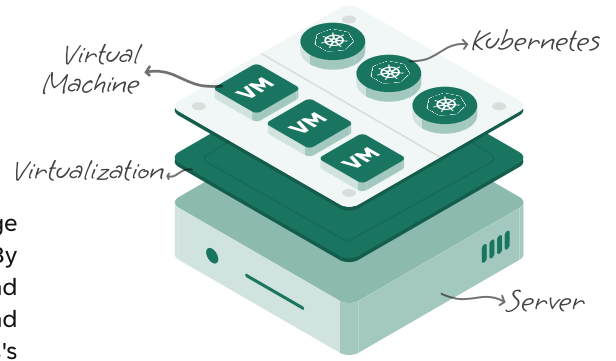
Snapshots & Backup	Fault Tolerance	Microservices	HA	Kubernetes	VM Cloning	vCPU
GPU Enabled Infra	Cloud Security	Dynamic Instance Migration		Virtual Machine Encryption		
Identity management	Containerization	Infrastructure Automation		Huge Pages	CPU Pinning	

Virtualization at Ease

Cost Efficiency via Resource Optimization
Maximize server efficiency and slash hardware costs with dynamic resource allocation across multiple VMs and containers

Seamless Scalability and Flexibility
Easily scale your infrastructure to meet business demands with quick deployment and adjustment of virtual environments

Enhanced Security and Isolation
Secure your operations with isolated VMs and containers, reinforced by advanced security protocols and intrusion prevention systems

Unified Management Interface
Simplify the management of your virtual resources with a centralized, user-friendly dashboard offering comprehensive control and monitoring

Deployment Mode

Powered by openstack ceph

XHCI   XHCI+   XHCI++

Introducing Xconnect portal

Manage your infrastructure effortlessly with our **Xconnect** product. For those who prefer hands-on control, our command-line tools provide comprehensive administrative capabilities, enabling you to fine-tune every aspect of your environment. Alternatively, if you favour a more visual approach, our multiple dashboard offers a suite of intuitive tools for seamless operation, ensuring you have all you need for effective management right at your fingertips.

Deployment journey

Design → Structuring → Deploy → Operate & Validation → Delivery & Maintenance

XHCI

Description (Single Node)

Integrates compute, storage, and networking into a single system (Core Services)

Hardware Requirements

Minimum Requirements:
- CPU: Dual-core 2.0 GHz
- RAM: 8 GB
- Storage: 100 GB
- Network: 1 Gbps

Recommended Requirements:
- CPU: Quad-core 2.5 GHz
- RAM: 16 GB
- Storage: 1 TB SSD
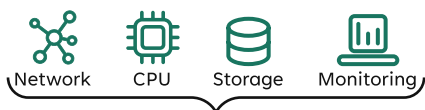- Network: 10 Gbps

Benefits

- Cost-effective
- Simplified Management
- Reduced Complexity
- Single unified Platform

Support

- Technical support availability
- Support channels (Email, Chat)

Disaster Recovery

- Data backup optional
- Data redundancy

Hyperconverged Infrastructure

XHCI+

Description (Multi Node)

Combines core compute Services with highly scalable storage in each node

Hardware Requirements

Minimum Requirements (Per Node): Minimum 3 nodes
- CPU: Quad-core 3.0 GHz
- RAM: 32 GB
- Storage: 1 TB
- Network: 1 Gbps

Recommended Requirements (Per Node):
- CPU: Octa-core 3.5 GHz
- RAM: 64 GB
- Storage: 2 TB SSD
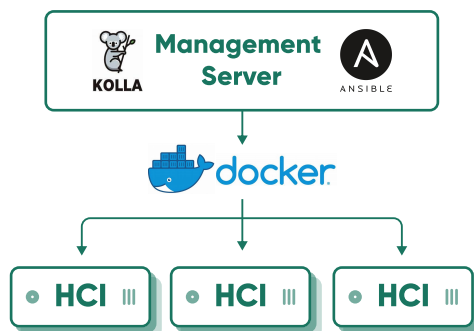- Network: 10 Gbps

Benefits

- Scalable with Reliable Storage
- Enhanced Data Security
- Multi Tenancy architecture
- Flexibility and Customization

Support

- Technical support availability
- Support channels (Phone, Email, Chat)

Disaster Recovery

- Data backup and recovery
- Data redundancy
- Active Standby DR connectivity

XHCI++

Description (Multi Node)

Distributed core compute Services and highly scalable storage into multiple nodes

Hardware Requirements

Minimum Requirements (Per Node): Minimum 6 nodes
- CPU: Quad-core 3.0 GHz
- RAM: 32 GB
- Storage: 1 TB
- Network: 1 Gbps

Recommended Requirements (Per Node):
- CPU: Octa-core 3.5 GHz
- RAM: 64 GB
- Storage: 2 TB SSD
- Network: 10 Gbps

Benefits

- Everything in XHCI+
- Centralized logging and security management and monitoring and alerting.
- More VMs per node compared to XHCI+
- Capabilities of adding service like kubernetes, DNS Server, Load Balancer, Secret Management and more

Support

- Technical support availability
- Support channels (Phone, Email, Chat)

Disaster Recovery

- Data & VM backup & recovery
- Data redundancy
- Active Standby DR connectivity