

Cloud Composer Software

Software defined infrastructure platform

The primary limitation that IT departments face is the physical datacenter infrastructure itself. Traditional architectures rely on complex and expensive specialized products from multiple vendors. Not only do these devices offer limited scalability options, but each vendor has its own unique certification and support program, and requires different implementation and operation domain expertise. Ultimately, the tools chosen to support your most critical initiatives end up restricting your ability to respond to the changing needs of your business.



Yottabyte's Cloud Blox appliances, powered by Cloud Composer software eliminate these limitations by providing a software-defined infrastructure solution that enables you to build a highly scalable and distributed datacenter infrastructure platform. Whether you are a business or service provider, this complete solution includes everything you need - storage, computing, virtualization and networking – all from one vendor.

Virtual Datacenter

Yottabyte and Intel technologies allow the building of a range of scale-out infrastructure appliances called Cloud Blox. These appliances may be mixed and matched to enable the simple creation of a Yottabyte cloud infrastructure, containing the right mix of hyperconverged, storage and network resources to meet your current needs. As your needs change, you simply add additional Cloud Blox - no re-architecture or forklift upgrades are required.

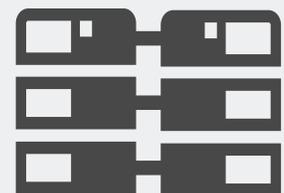
Simplified Management

Because Yottabyte Cloud Composer clouds are defined by software, the infrastructure itself can be reconfigured on the fly. New storage volumes, virtual networks, or entire virtual computing environments can be spun up with just a few clicks, on a moment's notice, securely via browser on any connected device.

Key Benefits

Composer Hardware Abstraction

The core of your next generation datacenter infrastructure is Yottabyte Cloud Composer. This software abstracts and isolates physical appliance resources into secure virtual datacenter containers. These physical elements are translated into secure pools of virtual storage, virtual compute and virtual network resources. These virtual resource units can be provisioned to secure tenant environments to run virtual machine and virtual network workloads on top of the virtual SAN. Each tenant may sub-provision their resources allowing nested tenancies. This enables true multi-multi-tenant, isolated datacenters that run on the same physical infrastructure with zero impact by your neighbor. With Cloud Composer, disaster recovery is considered at the entire virtual datacenter, not just VM level. Instant cloning and replication happens at the VDC level, even between sites. Everything is configured, managed, and provisioned entirely through software, securely from any device with a modern browser. The Cloud Composer SDI platform provides on-demand provisioning and unmatched flexibility, all while increasing efficiency and reducing complexity.



Scale-out Architecture

A Cloud Composer infrastructure platform is built upon a scalable architecture of modular Cloud Blox appliances. With this architecture, you are free from burdensome pre-planning and the massive initial expense of traditional storage and compute systems. Your implementation can start small, with a small investment, and easily scale through evolution. The datacenter you create for a proof-of-concept can be easily scaled for pilot testing and production use simply by adding additional Cloud Blox.

Cloud Composer Software Defined Infrastructure Platform

Build Flexible and Scalable Private, Hybrid and Public Clouds by Connecting Cloud Blox

Composer SDI Software

Complete software defined infrastructure platform that abstracts virtual datacenter environments from the underlying hardware. Fully automated orchestration enables secure provisioning of storage, compute and networking in seconds.

General System Features:

- Multi-tenant/cluster/site platform
- Create multiple virtual datacenters
- Web-browser based GUI
- Single pane of glass management Dashboards
- Monitoring, manage & alerting
- Statistics & accounting
- Rest-like API

Storage Features:

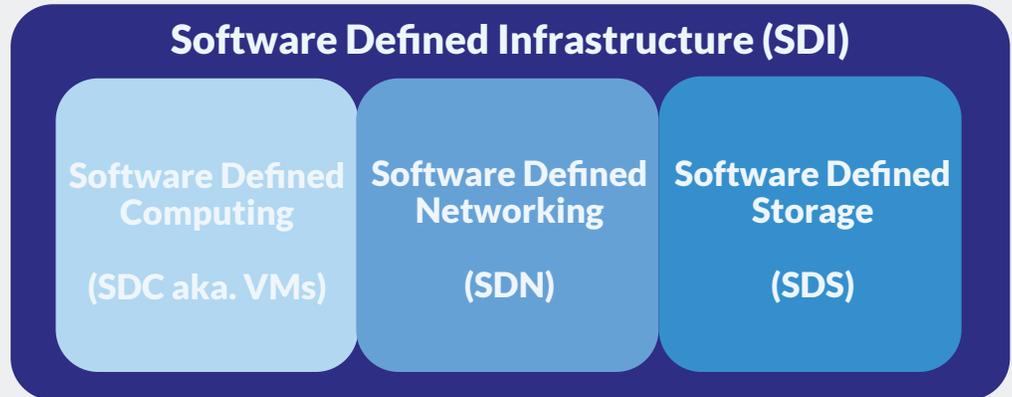
- Yottabyte vSAN
- Scale-out, distributed architecture
- Live global deduplication
- Mirrored & striped data protection
- Live corruption detection & repair
- Encryption at rest / in flight
- Zero impact maintenance mode

Compute Features:

- Built-in hypervisor (QEMU / KVM)
- VDC QoS / isolation
- Automatic VDC/VM HA failover
- VDC/VM live migration
- VDC/VM site to site replication
- VDC/VM recipe creator (cloning)
- VDC/VM auto-snapshot w/retention
- Windows guest OS support
- x86-based Linux guest OS support

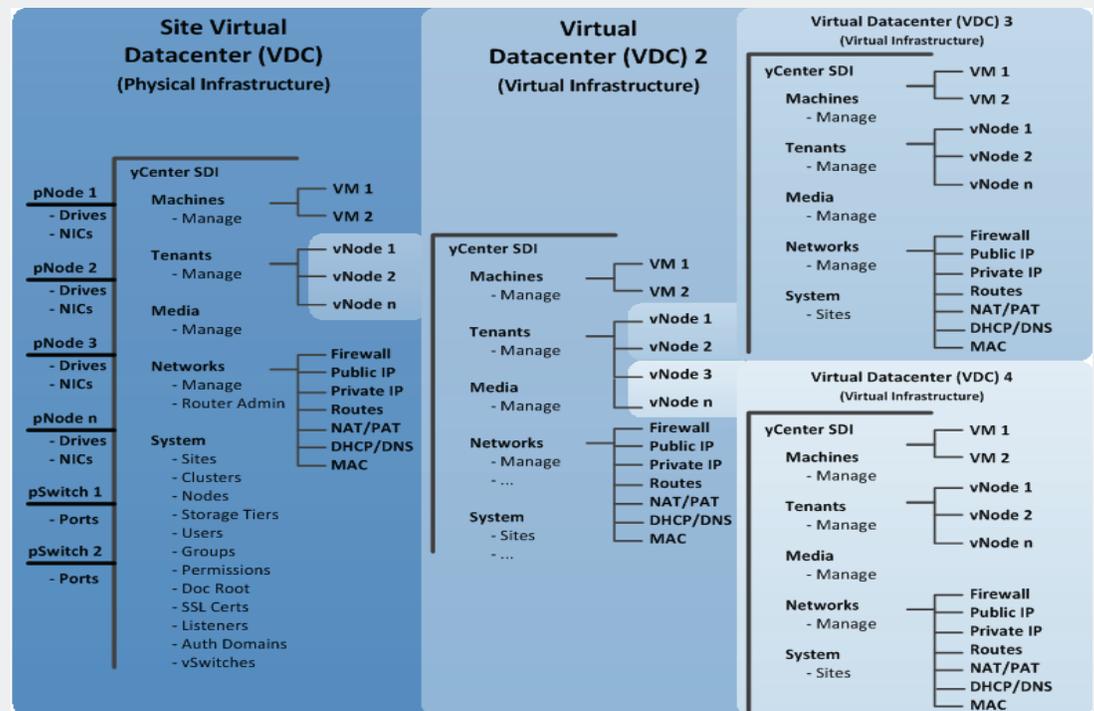
Network Features:

- Built-in virtual switching
- Public/private IP address mgmnt
- L2/L3 support
- BGP support
- Built-in firewall
- NAT/PAT
- DNS & DHCP
- MAC address management



Yottabyte Cloud Composer Physical & Virtual Cloud Blox Architecture:

Cloud Composer SDI software translates the physical CPU, RAM and storage components of Cloud Blox appliances into definable and configurable virtual resource groups used to build multi-tenant, multi-site cloud infrastructures. Each Composer instance manages clusters of physical hyperconverged, storage and network fabric Cloud Blox. Cloud Blox resources are organized and represented virtually into tenant virtual datacenters (VDC) with virtual machine (VM) and network resources.



Cloud Composer - *Cloud Building SDI Software*

Composer Software Options:

Cloud Composer software is configured on a per-instance basis. Purchasing Cloud Composer software with annual support entitles the owner to all minor "dot" version releases and major software version upgrade pricing.

- Composer Starter / ROBO** - Up to 4 Cloud Blox per instance
- Composer Standard** - Up to 12 Cloud Blox per instance
- Composer Enterprise** - Up to 48 Cloud Blox per instance
- Composer Service Provider** - Unlimited Cloud Blox per instance

NEXT STEP: visit us at www.yottabyte.com to request a demo and try out a live virtual datacenter