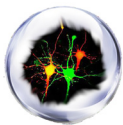


Simplify and Streamline Cloud Deployment Based on OpenStack*

Reduce your costs and risks for cloud adoption and management with Synapse IQ SylQ Big Cloud in a Box* hyper-converged infrastructure.



SYNAPSE IQ

Intel works with companies like Synapse IQ and communities like OpenStack to help make cloud technology available to everyone. Software-defined infrastructure (SDI)—including virtualized storage, SDN, and cloud controllers—can unlock business value and improve efficiency and reliability.

Intel® technologies like Intel® Trusted Execution Technology (Intel® TXT) help secure workloads running on the SylQ* hyper-converged infrastructure, simplifying delivery of cloud platforms built on the latest software-defined compute, storage, and network infrastructure.

The benefits of the cloud are enticing. However, moving to the cloud can be challenging. Private clouds often incur licensing fees and might require consultants to handle time-consuming deployments. Open-source alternatives can help avoid some of these costs, but they often do so at the price of greater complexity. Public cloud services can bring their own complications, with each public cloud using its own web interface. And a hybrid cloud solution can be troublesome, particularly if there are difficulties getting on-premises management consoles to work with different public cloud providers.

Businesses need a simpler solution that helps ease cloud adoption without being too expensive or requiring a complex overhaul of the data center. The Synapse IQ SylQ Big Cloud in a Box* hyper-converged infrastructure with integrated hybrid cloud control and software-defined networking (SDN) provides first-of-its-kind cloud infrastructure for data center deployments. It is based on OpenStack* and is designed for enterprise workloads. Because it is built on an open-source foundation, the SylQ* hyper-converged infrastructure can help control the costs of digital transformation while maintaining high agility. And its integrated hybrid cloud control provides a single, simple user interface from which to manage all cloud resources, both in private and public clouds, whether global or regional.

The SylQ hyper-converged infrastructure can work with your existing infrastructure and provide security, compliance, and resiliency features such as:

- Support for current policies and procedures with full integration of firewalls, load balancers, and security protocols
- High availability and recoverability through automated disaster recovery (DR) and backup protection
- Integrated deduplication and compression capabilities

Furthermore, businesses can achieve seamless configuration and scalability across multiple racks or data centers with control from one management user interface (UI) with SylQ Big Cloud in a Box.

Synapse IQ* hyper-converged infrastructure



Figure 1. Synapse IQ SylQ Big Cloud in a Box* hyper-converged infrastructure provides cloud infrastructure for data center deployments

Table 1. Synapse IQ SylQ Big Cloud in a Box* hyper-converged infrastructure configuration and performance details

CPUs	8
Cores	288 to 440+
vCPUs (8:1 ratio)	2,304 to 3,520
Total block storage	144 TB
Total object storage	120 TB
Compute SAP Application Performance Standard* (SAPS*)	750,000+
Compute input/output operations per second (IOPS)	450,000+
Storage SAPS	600,000+
Storage IOPS	360,000+

(+) based upon configuration

Software-based Cloud Solution on Industry-Leading Hardware

SylQ hyper-converged infrastructure supports equipment from a variety of manufacturers. This support helps the SylQ Big Cloud in a Box software-based solution make use of high CPU density, optimized compute and storage, hybrid cloud control, and integrated SDN with built-in infrastructure management and governance features.

Simplified, Streamlined Cloud Deployment and Management

SylQ hyper-converged infrastructure with integrated hybrid cloud control and SDN provides a simple management interface for all cloud instances, both private and public. The single interface simplifies cloud management and reduces IT-staff training needs. The SylQ hyper-converged infrastructure also supports highly scalable, multi-tenant environments through resilient cloud management with active/active and active/forward capabilities across multiple racks or across data centers. This “Big Cloud in a Box” reduces the hardware footprint in the data center by optimizing compute and storage through high CPU density; paired with Intel® Xeon® processors, the SylQ hyper-converged infrastructure provides data center performance and reliability for deployments of any size.

Finally, the SylQ hyper-converged infrastructure makes OpenStack enterprise-ready with proprietary software enhancements, and it helps IT organizations navigate OpenStack’s rapid six-month release cycle.

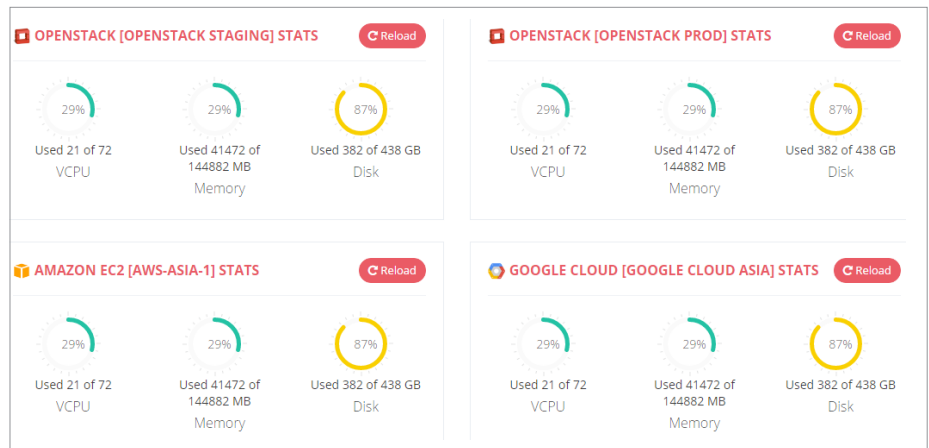


Figure 2. Synapse SylQ Big Cloud in a Box* management console

To learn about the SylQ Big Cloud in a Box* hyper-converged infrastructure, visit synapseiq.com.

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