



vScaler Appliance

A private Cloud platform built on Open Source technology that enables you to create a secure, scalable, cost effective, flexible IT infrastructure.

Deploy your on premise private cloud in minutes, add cloud-based services or applications, and scale to public or hybrid cloud environments on-demand - all under a single management portal.

vScaler allows you to provision full HPC-on-Demand clusters, Big Data analytics, accelerated GPU compute (for Machine Learning), tiered and accelerated storage platforms. In contrast with other IaaS only platforms, we work with our clients to optimise their infrastructure to allow their desired applications to run successfully in a private cloud environment.

MIXED WORKLOADS

We have invested as much effort in ensuring that our stack runs normal workloads in a fast and efficient manner offering you the choice of workload safe in the knowledge that it will perform.

HPC

Our finely tuned software enables users to deploy HPC clusters of any scale. The HPC-on-Demand product provides a compelling solution for many challenges of delivering flexible infrastructure for research computing.

BIG DATA

Our interface takes all the administrative burden out of configuring a complex analytical cluster. Select from your preferred distribution (Hadoop, Cloudera, Hortonworks, MapR) and begin running data-intensive applications or IOT analytics in minutes.

AI & DEEP LEARNING

Spin up a deep learning environments with all the appropriate frameworks installed and ready for use and accelerated using the world's fastest GPUs, purpose-built to reduce training time for DL algorithms and AI simulations.

70%
Cheaper

Up to 70% cheaper than leading cloud providers

40%
Faster

Than native OpenStack in LinPack Performance tests

6x
Network Performance

High performance vNICs passed through to instances

vSCALER

TECH SPECIFICATIONS

Our Hyper-converged 2U private cloud appliance includes everything you need to connect to your network. Designed using class leading technologies, the latest processor family, 2666Mhz DDR4 memory, 25GB interconnects and all SSD storage delivering superior performance with our optimised stack.

STORAGE

- Unified Storage
- Auto Tiering
- Containerisation
- Erasure Coding
- Data Placement
- Composable Quotas

SECURITY

- Resilient Volumes
- Disaster Recovery
- Validated Registry
- No SPOF
- Rolling Upgrades
- Zero Downtime
- Multi-Layer Authentication

MGMT. PORTAL

- Self Service
- Real Time Analytics
- Intuitive

VIRTUALISATION

- Up to 256 VMs
- Custom KVM Hypervisor
- Pre-emptive Log Analysis
- Rapid Deployment
- Enterprise Grade

APPLIANCE (PER NODE)

MODEL	VS-H-2824
SERVER COMPUTE	Intel 6138 20C/40T Xeon Scalable Skylake
STORAGE CAPACITY	6x SSD [480 GB, 800 GB, 960 GB, 1.2 TB, 1.6 TB, or 1.9 TB],
MEMORY	384GB DDR 2666MHz
NETWORK CONNECTIONS	2x 1 GbE, 1x 1GbE RJ45 (IPMI) Dual-Port 25 GbE RDMA Mellanox

APPLIANCE SPECIFICATIONS

DIMENSIONS	Height: 3.5" (88mm), Width: 17.25" (438mm), Depth: 28.5" (724mm)
WEIGHT	72 lbs. (32.7kg) stand-alone, 90 lbs. (40.9kg) package
SYSTEM COOLING	4x8cm heavy duty PWM fans with optimal fan speed controls
OPERATING ENVIRONMENT	Op Temp Rng: 50°-95°F (10°-35°C) Non-Op Temp Rng:-40°-140°F (-40°- 60°C) Op Humidity Rng(non-condensing): 8-90% Non-Op Humidity Rng: 5-95%
POWER CONSUMPTION	Up to 2200W Redundant Power Supply (Titanium Level 96%)
POWER SUPPLY	1200W Out @100-127V 2000W Out @220-240V
OPERATING REQUIREMENTS	Input Voltage: 100-240V AC auto-range



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