

THE PROMISE OF HYPERCONVERGENCE FOR EVERYONE

Simple - Agile - Scalable - Efficient - Unified



VSKyCube, unlocks the full potential of infrastructure hyperconvergence

Keeping pace with the ever-changing business landscape requires company IT infrastructure systems that support fast, responsive development processes. The VSKyCube hyperconverged system from Promise allows you to unlock the full potential of IT infrastructure hyperconvergence and adapt IT to the needs of your workloads, optimized to give small and medium enterprises the speed, efficiency and flexibility that they need, while scaling exceptionally well for large data centers applications.

VSKyCube combines tightly-coupled, software-defined, compute, storage, and networking in the form of hyperconverged nodes with a centralized single pane-of-glass management system - VSKyView to deliver a pre-integrated, unified pool of resources that:

- Provides an extremely economical infrastructure to run virtual machine-based applications
- Effortlessly scales out as demand for either or both compute and storage capacity surge
- Manages growth while allowing IT to run smoothly

Simplified deployment and unified management

- VSKyView centralized management system, provides rapid and simple deployment and management from a single pane of glass interface.
- Script-based orchestration makes complex deployment a breeze.
- Workload migration utility available to simplify transition from physical Windows servers and accelerate deployment.
- Deployment and scaling actions such as volume expansion or physical storage resource expansion can be performed simply while maintaining data and system availability.

Highly scalable and predictable IT infrastructure

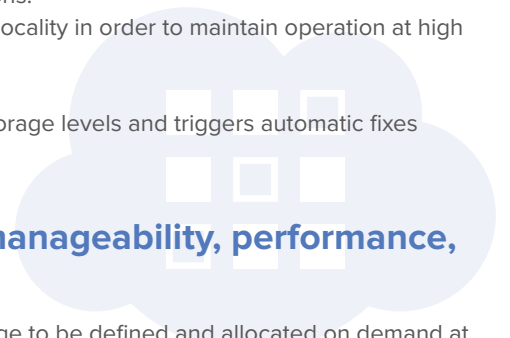
- Simplifies IT infrastructure growth planning by offering with linear predictability in compute power growth as nodes are added to the cluster.
- Minimum deployments start from just one node, scalable one node at a time, up to 32 nodes per cluster.
- Multiple appliance models allow you to deploy for compute-intensive, storage-intensive, as well as compute-storage-balanced mixed workloads. This granularity allows for superb cost savings by allowing customization of scale-out.

Agile, highly available, and economical computing services

- Fully integrated with KVM hypervisor with no additional license costs.
- Full integration of VMs and virtual networking eases deployment of multi-tier applications.
- VM migration with or without service shut down are supported while maintaining data locality in order to maintain operation at high performance level.
- Supports VM-based snapshots to protect VM's system and associated data volumes.
- High resilience and availability: VSKyCube automatically detects failures on multiple storage levels and triggers automatic fixes without reducing the availability storage.

Server SAN storage - Improved availability, scalability, manageability, performance, and capacity utilization

- VSKyCube "application-driven, software-defined" server SAN architecture allows storage to be defined and allocated on demand at application deployment time.
- Allows individual applications to specify specific storage attributes such as:
 - ◆ Performance: SSD caching, tiering
 - ◆ Storage behavior: thin-provisioning, dynamic volume expansion
 - ◆ Data protection: Local RAID, RAIN (RAID5-like striping across nodes)









Why Hyperconvergence?

- Consolidates IT resources allowing maximization and flexibility of use.
- Operationalizes "Multi-modal IT" by supporting new technology deployment without affecting resources already at work in your production environment.
- Avoids or reduces common enterprise IT issues associated with interoperability, single window for technical support and implementing pay-as-you-grow cost model for Remote or Branch Offices (ROBO).

Appliance Models

VSKyCube integrated, software-defined compute, storage, and networking appliances are offered in multiple models optimized for compute-intensive, storage-intensive, as well as mixed workloads. Nodes can be mixed-and-matched to customize deployments to current and planned requirements.

| VSkyCube Product | c102 | c100 | i200 | s200 | s410 | s420 |
|---------------------|--|---|--|--|---|---|
| Image |  |  |  |  |  |  |
| Rack Unit | 1U, 1-node | 1U, 1-node | 2U, 4-node | 2U, 1-node | 4U, 1-node | 4U, 2-node |
| Compute per node | 1 x Intel Xeon® E5-2630v4 | 2 x Intel Xeon® E5-2630v4 | 2 x Intel Xeon® E5-2630v4 | 2 x Intel Xeon® E5-2630v4 | 2 x Intel Xeon® E5-2630v4 | 2 x Intel Xeon® E5-2630v4 |
| Memory per node | 64 GB | 256 GB | 256 GB | 256 GB | 256 GB | 256 GB |
| Networking per node | Dual-port 10GBASE-T | Dual-port 10GBASE-T or 10G SFP+ | Dual-port 10GBASE-T or 10G SFP+ | Dual-port 10GBASE-T or 10G SFP+ | Dual-port 10GBASE-T or 10G SFP+ | Dual-port 10GBASE-T or 10G SFP+ |
| Storage per node* | 3 x 3.5" NL SAS HDD | 3 x 3.5" NL SAS HDD | 5 x 2.5" SAS HDD | 11 x 3.5" NL SAS HDD | 3 x 2.5" SAS HDD 74 x 3.5" NL SAS HDD | 3 x 2.5" SAS HDD 31 x 3.5" NL SAS HDD |
| Caching per node | 1 x 480 GB SSD | 1 x 480 GB SSD | 1 x 480 GB SSD | 1 x 480 GB SSD | 1 x 480 GB SSD | 1 x 480 GB SSD |
| Optimization | Compute intensive | Compute intensive | Compute/Storage (balanced) | Storage intensive | Storage intensive | Storage intensive |
| Physical Dimensions | 710 mm X 430 mm X 43.5 mm | | 800mm x 449mm x 87mm | 750mm X 448mm X 87.6mm | 912.2 mm X 447 mm X 175.3 mm | |
| Weight | 19Kg | | 60Kg | 28Kg | ~130Kg | |
| Power Supply | Dual 650W Redundant Platinum | | Dual 1200W Redundant Platinum | Dual 550W Redundant Platinum | Four 1200W Redundant Platinum | |
| System Cooling | 5 swappable fans | | 3 swappable fans per node | 4 swappable fans | 5 swappable fans | |
| Environment | Operation temperature: +10°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C | | Operation temperature: +10°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C | Operating temperature: +5°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C | Operating temperature: +5°C ~ +35°C / Non-operating temperature: -40°C ~ +65°C | |
| Certifications | FCC/CE/VCCI/RCM/BSMI/CB/KCC | | FCC/CE | BSMI/TUV/CE/CCC/RCM/UL | FCC/CE/UL/ICES/VCCI/BSMI/EAC/KCC/RCM | |
| Warranty | 1-year Limited Warranty | | | | | |

Hardware specifications may vary due to customization and other factors

* Storage capacity depends on model and hard drives selected, current options are - 2.5": 1.2TB, 1.8TB, 3.5": 4TB, 6TB, 8TB, 10TB. Please consult with a sales representative for further customization options
Hard drives support hot swap

