

Accelerate Private Cloud Adoption

QCT (Quanta Cloud Technology) introduces QxStack Microsoft Edition converged private cloud solution validated by Microsoft Private Cloud FastTrack program and is capable to reduce the complexity and risk of implementing a private cloud in the first place. Starting from customers' point of view, it is pre-validated, performance benchmarked, and comes pre-installed with software and encompassed storage, computing, and networking resources. The verified system architecture reduces cost and time-consuming setup procedures to provide quick installation, lower operating costs, and increases return on investment (ROI) for enterprises.

Features:

- Validated converged system
- Microsoft private cloud technology
- RDMA technology
- Modular resource expansion
- Pre-installed software

Benefits:

- Hybrid cloud platform support
- Quick deployment
- Centralized management
- Agile resource pooling
- High performance-cost

Highly integrated solution | Provide high performance-cost ratio

Enterprises often face high storage costs and extensive maintenance fees when adopting private clouds. QxStack Microsoft Edition incorporates high-performance clustered storage server with RDMA technology and applies Microsoft software defined storage solution-Storage Spaces, optimizing SSD-to-HDD ratio to provide robust and high-performance storage system with 50% decrease on cost. A high density 2U server acts as the computing node, which increases virtual machines' density. In comparison to normal practice, it requires four 1U servers to achieve the same specifications. The high density 2U server effectively reduces the unit cost for each virtual machine as well as cabinet space utilization.

Centralized and automated management | Lower operating costs

With Microsoft System Center 2012 R2 cloud management platform, the customers can quickly set up and implement the automated IT processing system, simultaneously monitoring the health status of software and hardware resources. It effectively eliminates complicating challenges in traditional data centers' management system as well as increases processing speed while still ensures the consistent processing quality. The better service result is certainly predictable.

Hybrid cloud platform | Azure Pack

Microsoft Azure Pack technology brings clients Azure experience on-premises and increase high availability with Azure Backup and Azure Site Recovery. The Azure Pack is the most promising platform to establish hybrid clouds, Operations Management Suite(OMS) also gives a way to monitor hybrid environment.

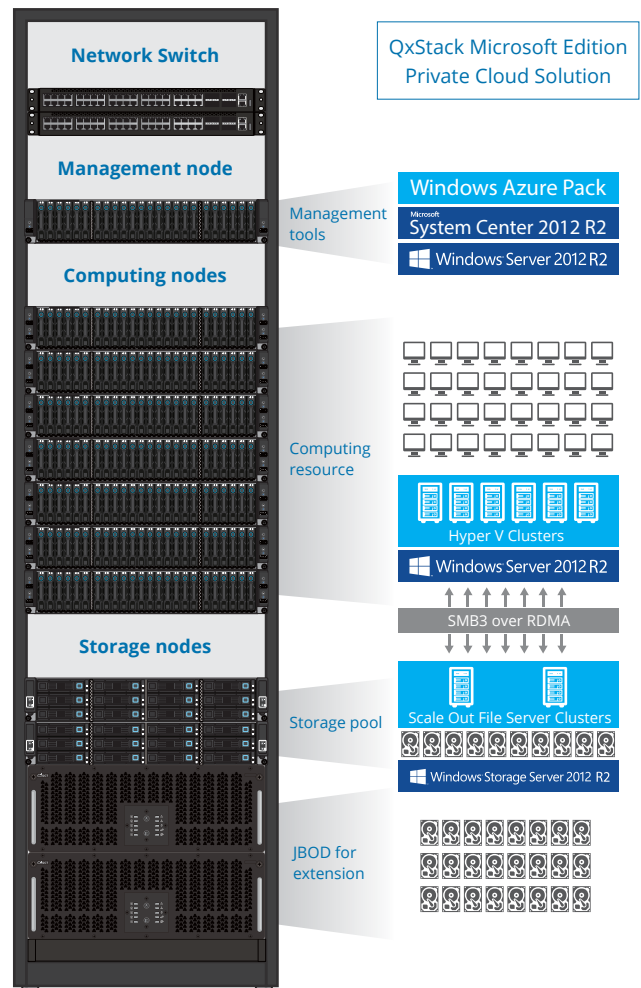
Pre-loaded with Microsoft Cloud OS | Quick adoption

Based on enterprises' various environment, QxStack Microsoft Edition pre-loads with Microsoft's private cloud modules — Windows Server, System Center, and Azure Pack—to eliminate time-consuming installation and deployment procedures. Instead of months, private clouds will be ready to use within weeks.

Modular architecture | Flexible expansion on resources

Traditional private cloud architecture uses 1U or 2U servers with expensive storage equipment, which is also not easily scalable. QxStack Microsoft Edition's modular expansion conceptual design uses a cluster server as the management node with hardware HA and Storage Spaces to guarantee highly available operation. The basic unit starts from 1/6 of a standard 42U cabinet and provides up to 480VMs*. Resource expansion comes with 2U, serving as the base unit for computing, and JBOD for storage capacity, and to a maximum of 900+VMs.

* Reference VM sizing: 2vCPU, 4GB RAM



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Found at: www.QCT.io/wheretobuy

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QCT authorized partner

| | QCB-100 | QCB-300 | QCB-600 |
|--------------------|---|---|---|
| Solution | 150 VM's - IaaS | 480 VM's - IaaS | 900+ VM's - IaaS |
| Management Node | (1) QuantaPlex Rackmount Server Chassis with: (2) QuantaPlex Node Servers, each with (2) Intel® Xeon® processor E5-2600 v3 product family, 256GB RAM and Dual 10GE I/O Access | (1) QuantaPlex Rackmount Server Chassis with: (2) QuantaPlex Node Servers, each with (2) Intel® Xeon® processor E5-2600 v3 product family, 128GB RAM and Dual 10GE I/O Access | (1) QuantaPlex Rackmount Server Chassis with: (2) QuantaPlex Node Servers, each with (2) Intel® Xeon® processor E5-2600 v3 product family, 128GB RAM and Dual 10GE I/O Access |
| Computing Resource | (4) 240GB SATA SSD Drives (4) 400GB SAS SSD Drives (8) 4TB NL-SAS Drives | (1) QuantaPlex Rackmount Server Chassis with: (4) QuantaPlex Node Servers, each with (2) Intel® Xeon® processor E5-2600 v3 product family, 256GB RAM and Dual 10GE I/O Access with RDMA support | (2) QuantaPlex Rackmount Server Chassis with: (8) QuantaPlex Node Servers, each with (2) Intel® Xeon® processor E5-2600 v3 product family, 256GB RAM and Dual 10GE I/O Access with RDMA support |
| Storage Pool | Up to 33.6TB Usable Storage | Up to 33.6TB Usable Storage | (1) Quanta MESOS M4240H JBOD with: Raw: 67.2TB Usable Storage Up to 115.2TB storage Pool |
| Network Switch | | (2) QuantaMesh T3040-LY3 Switch | (2) QuantaMesh T3048-LY2R Switch (1) QuantaMesh T1048-LY4 Switch |
| Warranty | 3 year warranty services for hardware | 3 year warranty services for hardware | 3 year warranty services for hardware |

** Diagram is for reference only. Please contact QCT sales team for rack cabinet.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QCT.io>

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