

QxStor

IBM Cloud Object Storage



Highly scalable, resilient, elastic storage system with the simplicity of hybrid cloud running at any scale.

Solution Overview

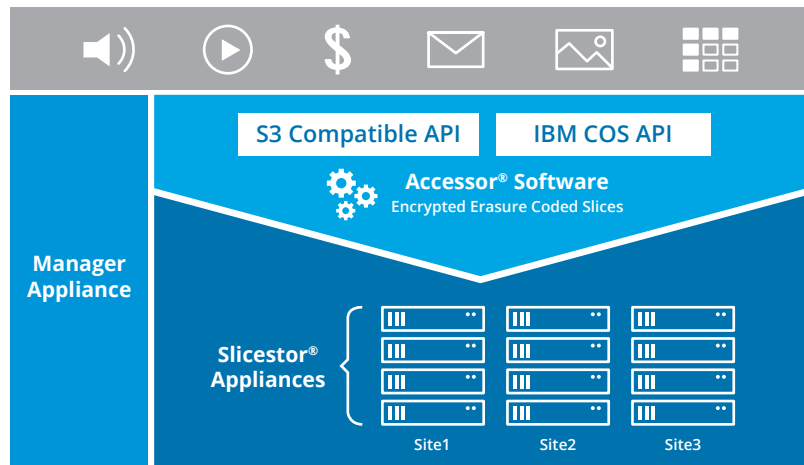
Traditional data storage systems no longer keep pace with the rapidly changing demands of modern applications and clouds, with exponential growth of data in the new era. IBM's Cloud Object Storage (COS) Platform is a modern storage solution for any enterprise compute environment running at any scale. It is truly software-defined, transforming traditional hardware into the most advanced storage solution available with high reliability.

Together QCT and IBM's COS software-defined storage solution gives industry leading capabilities to quickly meet new requirements in data storage evaluation and more effectively makes storage available, manageable, and secure. Optimized QCT storage servers certified by IBM COS satisfy a variety of massive data storage demands.

Flexible & Scalable Deployment with high resiliency

IBM COS is a proven enterprise object storage solution with great efficiency and resiliency to secure storage from low-entry point to petabyte scale and beyond. With built-in encryption and over 99.9999999% data durability that is enhanced by a unique Information Dispersal Algorithm (IDA) to create redundancy for transferring, storing, and retrieving data securely. IBM COS provides scaled performance with no downtime to operation and manages more data with less TCO, and multiple APIs are supported to deploy on-premises, dedicated/hybrid and in public clouds, creating a hybrid scale-out storage structure.

QxStor COS Architecture



Accessor®

- Slices data
- Disperses data
- Retrieves data
- Stateless

Manager

- Fault management
- Reporting
- Provisioning
- Performance monitoring
- Storage configuration

Slicerstor®

- Storage for slices
- Single site or multi-site
- Capacity-based pricing
- Rebuild slices

Solution Highlight

- **Massive Scale:**
Achieves petabyte scale and beyond production deployment
- **Durable Storage:**
Designed for 99.99999999-percent data durability
- **Data protection and security:**
Manage your own encryption keys via IBM Key Protect

Use Cases :

- Active Archive
- Backup
- Enterprise Collaboration
- Storage-as-a-Service
- Content repository



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Found at: <http://go.qct.io/contact/contact-qct-solutions/>



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QCT authorized partner

Specification

Model	QuantaGrid D51PH-1ULH
Feature	Hybrid Scale-Out High Computing Storage Server <ul style="list-style-type: none"> • Ultra Dense 1U 12x Hot-Swappable HDD and 4x Hot-Swappable SSD • Outstanding Computing Performance • Sophisticated Hybrid Architecture Ideal for Tier Storage with High System Serviceability
Form Factor	1U
CPU	(2) Intel® Xeon® processor E5-2620 v4
Memory	DDR 2400MHz 64GB
Network	QCT 10Gb OCP SFP+ MezzanineIntel 82599
Storage	(1) QCT LSI® 3008 12Gb/s SAS mezzanine (2) (2) 2.5" Intel® SSD DC 480GB (OS/ Metadata) (3) (12) 3.5" 8TB 7.2K SAS HDD (Data)
Minimum Node	3 nodes

About QCT

Quanta Cloud Technology (QCT) 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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