QxStor
with NetApp StorageGRID Solution

QCT
S O L U T I O N

Embrace Unlimited Scalability
with the QCT NetApp Object Storage Solution

QxStor with NetApp StorageGRID solution is a software-defined object-based storage solution that offers massive scalability with flexible infrastructures. Its pre-validated, optimized, and well-integrated system satisfies all requirements for durability, availability, and performance.

Solution Overview

QxStor with NetApp StorageGRID solution is a high density petabyte-scalable solution. This fully-configurable, scale-optimized solution combines storage, compute, and object storage software in a hyper-scale data center-grade single chassis and delivers reliable and consistent performance.

QCT offers 1U and 4U form factors which enable enterprises to further optimize compute and storage densities for various workloads and scenarios. Additionally, with StorageGRID Information Lifecycle Management (ILM) policy, enterprises can optimize data availability, performance, geo-distribution retention, protection, and storage costs with metadata-driven policies, and adjust them dynamically as their data evolves.

Key Benefit

Accelerate Time-to-Value

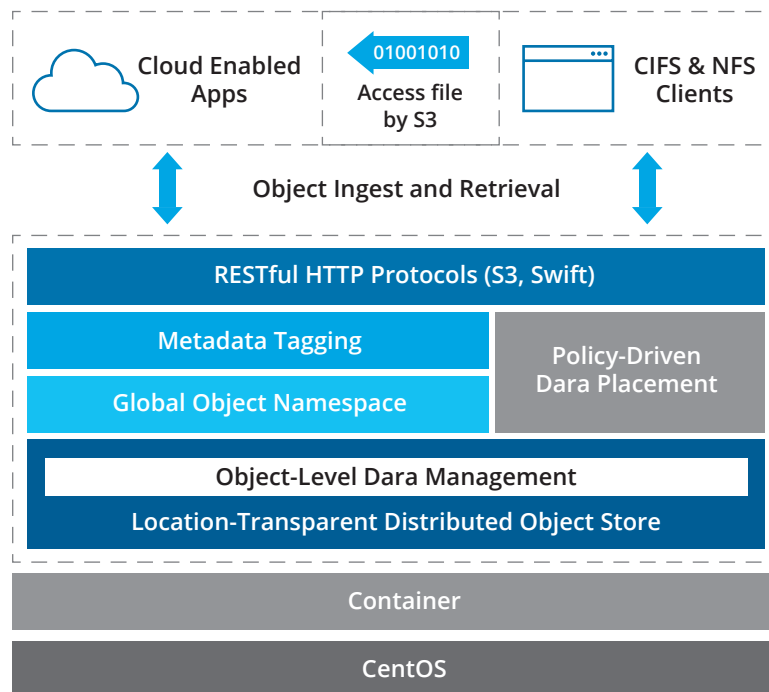Pre-validated and purpose-built configurations that minimize your hardware and software integration efforts.

Drive differentiation on demand

Flexible scale-out solutions that meet all enterprise's data storage requirements.

Simplify your management experience

Data at the right place, at the right time, with Policy-Driven Information Lifecycle Management (ILM)

Cloud Enabled Apps | 01001010 Access file by S3 | CIFS & NFS Clients

Object Ingest and Retrieval

RESTful HTTP Protocols (S3, Swift)

Metadata Tagging | Policy-Driven Dara Placement
Global Object Namespace |

Object-Level Dara Management
Location-Transparent Distributed Object Store

Container

CentOS

About StorageGRID

Compared to other traditional storage systems, NetApp StorageGRID can provide massive performance and capacity scalability for secure, durable object storage. Furthermore, it's strong ILM policies can utilize strong association of data and metadata and provide integrated and flexible data protection.

Place content in the right location, at the right time, and on the right storage tier, optimizing workflows and reducing overall costs for globally distributed rich media.

intel XEON inside

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Found at: www.QCT.io/wheretobuy

QCT's pre-validated, pre-configured, and optimized designs always help customers save time and effort. Therefore, we selected two different server models for different storage strategies and use cases.

- **QuantaGrid D51PH-1ULH -**
  for high-density usage, which means flexible deployments in a small size but with a huge capacity.

- **QuantaPlex T21P-4U -**
  for monster level data center usage, which can help you build your own storage service.

Orderable BOM	QuantaGrid D51PH-1ULH	QuantaPlex T21P-4U
Node architecture	Intel x86 servers with integrated storage	Intel x86 servers with integrated storage
Form factor	1U 1-Node Storage Server	4U 1-Node Storage Server
CPU	Intel® Xeon® Processor E5-2620 v4 Intel® Xeon® Processor E5-2680 v4	Intel® Xeon® Processor E5-2620 v4 Intel® Xeon® Processor E5-2680 v4
Drive (per node) / Size	16 (Up to 6TB)	35 (Up to 6TB)
DIMM	64GB/256GB	64GB/256GB
Network connectivity	1x 10Gbe / 1x25Gbe	1x 10Gbe / 1x25Gbe

About QCT

Quanta Cloud Technology (QCT) is a global data center solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation data center design and operation challenges. QCT serves cloud service providers, telecoms and enterprises running public, hybrid and private clouds.

Product lines include hyper-converged and software-defined data center solutions as well as servers, storage, switches, integrated racks with a diverse ecosystem of hardware component and software partners. QCT designs, manufactures, integrates and services cutting edge offerings via its own global network. The parent of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.

Found at:
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