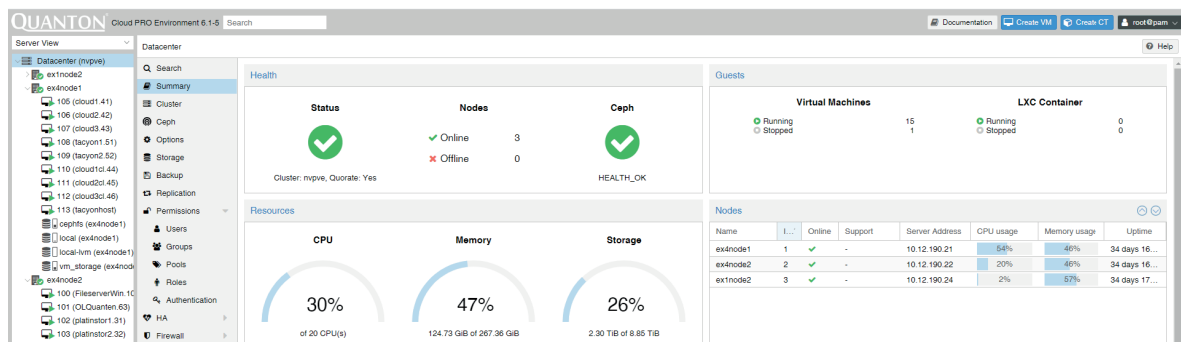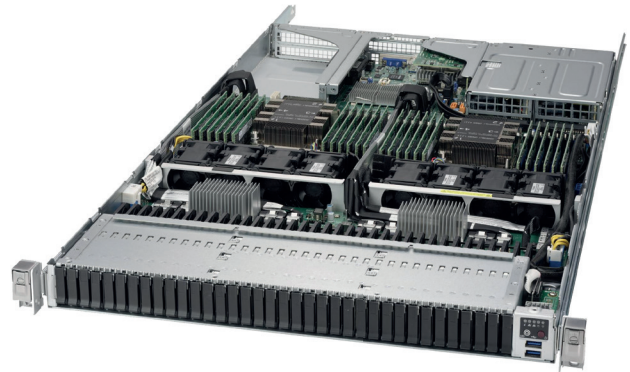# Quanton® Cloud PRO

The Ultimate All-NVMe Hyperconverged Revolution for

Enterprise Virtualization

Server & Storage Virtualization in a Box

Linux KVM & CEPH Cluster with unique GUI | Scalable Private Cloud Appliance

- 32 EDSFFs modules - up to 1 PetaByte each system
- Up to 12 Ethernet (200Gbit) or Fibre Channel (32Gbit) ports
- Up to 6TB DDR4 RAM 2933 MHz
- 2nd Gen. Dual Intel Xeon Scalable Processors
- Fully redundant hardware design
- Complete open source platform for enterprise virtualization
- Build-in services: firewall, backup/restore, storage replication, etc.
- Easy management of compute, network and storage with central web interface

QUANTON®

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Key Features Virtualization Platform

SERVER VIRTUALIZATION

- Linux and Windows O/S, 32 and 64 bit
- Intel Scalable Hardware with Dual Processor
- Management layer containing all capabilities to manage and monitor

SECURITY

- Hardware Watchdog or kernel Softdog
- Firewall

HIGH-AVAILABILITY CLUSTER

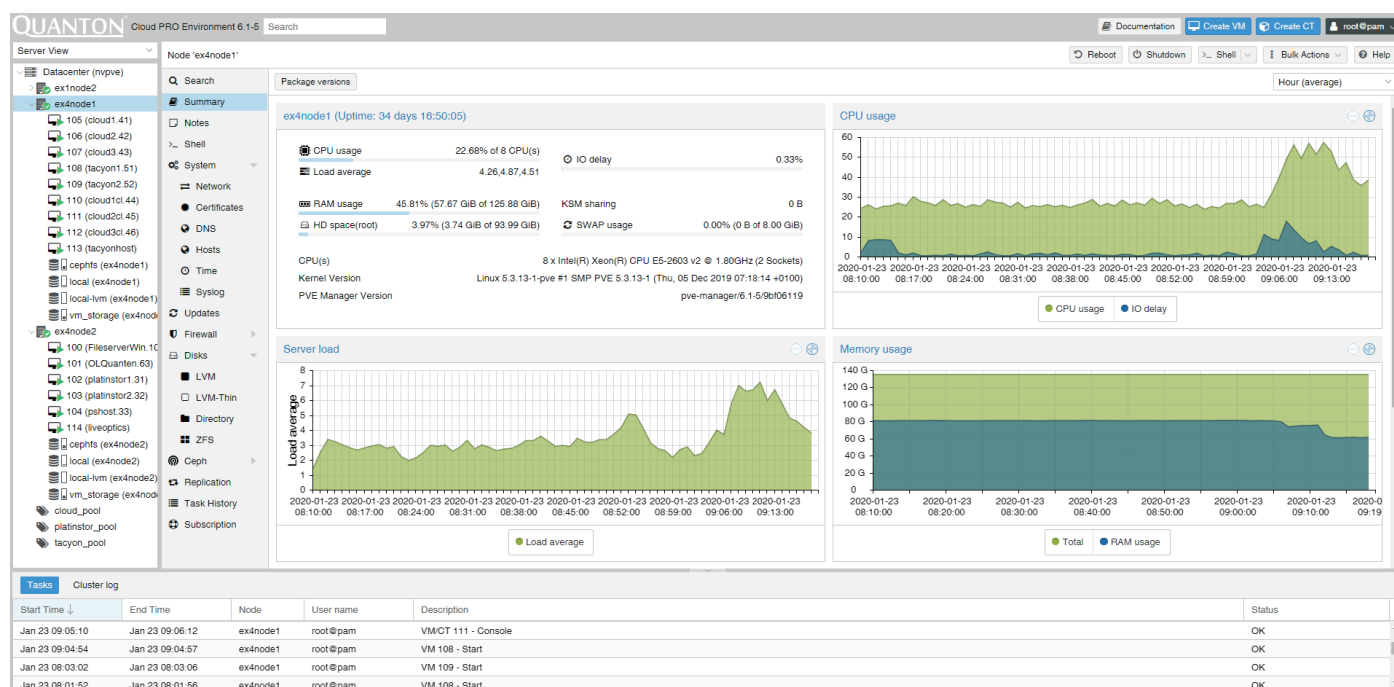- Fully redundant hardware design

STORAGE VIRTUALIZATION

- Scale-out CEPH storage
- CEPH OSD encryption

HYPERCONVERGED INFRASTRUCTURE (HCI)

- Full integration of Server, Storage & Network Virtualization within one Management Graphical User Interface

BACKUP AND RESTORE

- Virtualized Backup
- Storage Header Backup

Key Features Management Platform

SINGLE POINT OF CONTACT ENTERPRISE SOLUTION

- Hardware & Software maintenance
- Enterprise SLAs
- Global support

WEB-BASED MANAGEMENT INTERFACE

- Rest API
- Easy integration for third-party management tools
- Secure HTML5 console, supporting SSL
- Fast and easy creation of VMs and containers
- Centralized Cluster management

USER MANAGEMENT SYSTEMS

- Authentication server
- Microsoft Active Directory
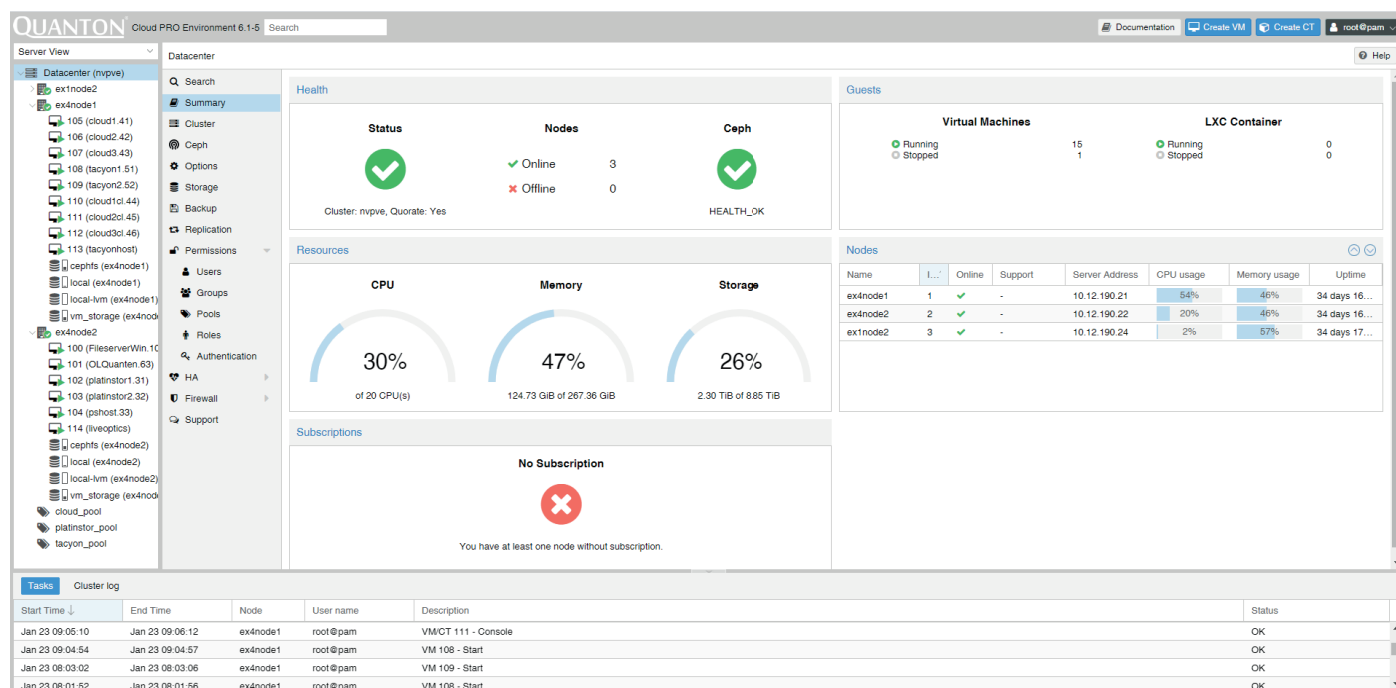- Multiple Administration Accounts

VIRTUAL MACHINE TEMPLATES AND CLONES

ROLE-BASED ADMINISTRATION

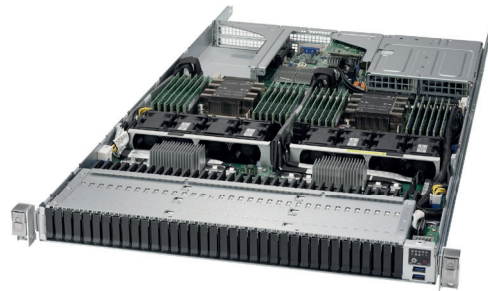- Manage admins from your organization and 3rd parties easily and securely
-

LIVE MIGRATION

- Move your Virtual Maschines from one node to another with zero down time

Novarion's® Scalable Private Cloud Platform

	Platinum	Gold	Silver
Form factor	Rackmount Chassis 1U	Rackmount Chassis 1U	Rackmount Chassis 1U
Bays	32x Hot-swap PCI-E NF1 drive bays 4x SATA M.2 drive bays	32x Hot-swap PCI-E NF1 drive bays 4x SATA M.2 drive bays	32x Hot-swap PCI-E NF1 drive bays 4x SATA M.2 drive bays
Data Redundancy	Manageable Erasure Coding	Manageable Erasure Coding	Manageable Erasure Coding
CPU	2x Intel Xeon Platinum	2x Intel Xeon Gold	2x Intel Xeon Silver
Cores	Up to 56 Cores	Up to 48 Cores	Up to 32 Cores
DIMM slots	24 x DDR4	24 x DDR4	24 x DDR4
RAM	Up to 6TB, 2933MHz	Up to 3TB , 2667MHz	Up to 1,5 TB, 2400MHz
Network ports	Up to 12x 200Gbit	Up to 12x 100Gbit	Up to 12x 25Gbit
Power Supply	Redundant Power Supply, 1600W, Titan level certified	Redundant Power Supply, 1600W, Titan level certified	Redundant Power Supply, 1600W, Titan level certified
Supported Cluster Nodes	1 to 1024	1 to 512	1 to 128
Basic O/S:	Oracle Enterprise Linux	Oracle Enterprise Linux	Oracle Enterprise Linux
Server Virtualization	KVM	KVM	KVM
Storage Virtualization	CEPH	CEPH	CEPH
Guest O/S:	Windows, Linux, Solaris	Windows, Linux, Solaris	Windows, Linux, Solaris

About Novarion

NOVARION® develops and manufactures innovative computer systems for the industry, public organizations and research institutions. NOVARION® bridges the gap between science and technology in a unique way, resulting in unrivaled powerful and cost-efficient data center solutions, up to the development of the quantum computer! NOVARION® is headquartered in Vienna, Austria and has several subsidiaries in Europe and America.

Contact

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