

Caiet de sarcini

Technical specifications per server.		
1.1	Type	Enterprise Server, Quantity 2 pcs.
1.2	Form factor	Rack mount, max 2U (rail-kit included).
1.3	CPU included	Quantity: 2 x CPU per server. Cores: min.64 cores per CPU. Threads: min.128 threads per CPU. Base Clock Speed: Min. 2.20 GHz. Cache: Min. 256 MB. Launch Date: Not earlier than Q1'2025.
1.4	Memory	Quantity: 2 x CPU per server.
1.5	Memory included	Min. 16 x 64GB DDR5.
1.6	Min. drive bays included	Min. 24 bays 2.5" for data, compatible with the offered drive interface (SAS or NVMe U.2/U.3), Support Hot-Swap drives. Min. 2 bays for OS boot, RAID 1, Support Hot-Swap drives.
1.7	Drives included	Min. 3 x 1.6TB SSD, Caching Tier, Endurance Class D, Performance Class F, SAS 24Gb/s or NVMe (U.2/U.3, PCIe Gen4 or later), Hot-Swap. Min. 21 x 3.2TB SSD, Capacity Tier, Endurance Class D min.15000TBW, Performance Class F, SAS 24Gb/s or NVMe (U.2/U.3, PCIe Gen4 or later), Hot-Swap. Drives SSD for vSAN should support min. vSAN releases 8.0U3 and later
1.8	Storage Adapters included	Should support Pass-through mode for all bays (matching the offered drive interface-SAS or NVMe). Matching the offered drive interface-SAS or NVMe Should be in vSAN compatibility guide. Should be compatible with min. vSAN releases 8.0U3 and later. 1 x RAID controller for OS boot, 2 x SSD, RAID-1.
1.9	NICs, ports, modules included (Server side)	Min. 2 x NIC's, 2 x 25GbE ports, identical NIC's models. NIC's should support network virtualization offload. NIC's should support RDMA (RoCE v2) NIC's should be in vSAN compatibility guide. NIC's should support min. vSAN releases 8.0U3 and later. Min. 4 x SFP 25G-SR SFP28 modules. Min. 1 x Dedicated 1Gb/s Ethernet Port for remote management.
1.10	Modules included (Switch side)	Min. 4 x SFP 25G-SR SFP28 modules (Cisco Compatible).
1.11	Interfaces included	Min. 2 x USB ports. Min. 1 x VGA port.
1.12	Options included	Trusted Platform Module 2.0.
1.13	Supported operating environments	Microsoft Windows Server®. Microsoft Hyper-V®. Red Hat® Enterprise Linux. VMware® (VMware® Cloud Foundation 9.0, VMware® vSAN 8.0U3 and later).

1.14	Power supplies included	2 Hot-Swap PSU with support for 1+1 redundancy. Power cables c13-c14(0.6 m).
1.15	Fan Modules included	Hot-Swap with N+1 redundancy.
1.16	Management included	A web-based solution for KVM must be included with full functionality for manage and monitoring, including at least: View information about the state of the managed server; Inventory and monitoring of network adapters and data storage subsystems without software agents in the OS; View inventory information; View information from sensors; Monitoring and control of electricity consumption; Turn on/off the server; Remote update of BIOS, firmware of network and RAID controllers; Virtual console, virtual media devices; OS installation from virtual media devices and through network shared folders. Centralized resource management solution for hardware management must be included, with full functionality that provides agent-free management, automates discovery, inventory, tracking, updates, monitoring, and provisioning".
1.17	Warranty	Hardware and software support from vendor, with available customer portal. Next business day hardware replacement included for min. 5 years.
1.18	Terms and conditions	All requirements are minimum and mandatory. One requirement must not limit another requirement. All components must be current and not advertised as EOS / EOL. The expansion of memory (ram) and storage capacity must not include any hardware or software limitations. Faulty storage drives are not subject of return in order to be compliant with the security requirements.