

SPECIFICAȚII TEHNICE

Anexa nr. 22 la Documentația standard elaborată prin
Ordinul ministrului finanțelor nr.115 din 15.09.2021

Autoritatea Contractanta: **Instituția Publică Unitatea de coordonare Implementare și Monitorizare a Proiectelor în Domeniul Sănătății**
Numărul procedurii de achiziție nr. [ocds-b3wdp1-MD-1781878681337](#)
Denumirea procedurii de achiziție: Servere

Data: 22.07.2026
Lot: 1
Page 1 of 2

Nr. d/o	Cod CPV	Denumirea modelului bunului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință				
	Lot 1										
1	30200000-1	Servere ThinkSystem VX650 V4 (MT: 7DG6) based on Enterprise Server ThinkSystem SR650 V4	China	LENOVO	Technical specifications per server.		Technical specifications per server.			CE	
					1.1	Type	Enterprise Server, Quantity 2 pcs.	1	Type		Lenovo ThinkAgile VX650 V4 Hyperconverged System based on Enterprise Server ThinkSystem SR650 V4
					1.2	Form factor	Rack mount, max 2U (rail-kit included).	1.2	Form factor		Rack mount, max 2U (rail-kit included).
					1.3	CPU included	Quantity: 2 x CPU per server. Cores: 64 cores per CPU. Threads: 128 threads per CPU. Base Clock Speed: Min. 2.20 GHz. Cache: Min. 256 MB. Launch Date: Not earlier than Q1'2025.	1.3	CPU included		Quantity: 2x Intel® Xeon® 6767P. Cores: 64 cores per CPU. Threads: 128 threads per CPU. Base Clock Speed: 2.40 GHz. Cache: 336 MB. Launch Date: Q1'2025.
					1.4	Memory	Min. 32 DDR5 slots.	1.4	Memory		32x DDR5 memory slots.
					1.5	Memory included	Min. 16 x 64GB DDR5.	1.5	Memory included		16x 64GB TruDDR5 6400MHz (2Rx4) RDIMM
					1.6	Min. drive bays included	Min. 24 bays 2.5" for data, compatible with the offered drive interface NVMe U.2/U.3, Support Hot-Swap drives. Min. 2 bays for OS boot, RAID 1, Support Hot-Swap drives.	1.6	Min. drive bays included		24x bays 2.5" for data, compatible with the offered drive interface NVMe U.2, Support Hot-Swap drives. 2 bays for OS boot, RAID 1, Support Hot-Swap drives.
					1.7	Drives included	Min. 3 x 1.6TB SSD for vSAN ESA storage pool, Endurance Class D, Performance Class F, NVMe (U.2/U.3, PCIe Gen4 or later), Hot-Swap. Min. 21 x 3.2TB SSD for vSAN ESA storage pool, Endurance Class D min.15000TBW, Performance Class F, NVMe U.2/U.3, PCIe Gen4 or later, Hot-Swap. Drives SSD for vSAN should support min. vSAN releases 8.0U3 and later and be listed in Broadcom Compatibility Guide for vSAN ESA.	1.7	Drives included		24x 3.2TB SSD (Kioxia CD8P) for vSAN ESA storage pool, Endurance Class D - 17,520 TBW, Performance Class G - 400,000+ Writes Per Second, NVMe U.2, PCIe Gen5, Hot-Swap. support vSAN releases 8.0U3 and later, listed in Broadcom Compatibility Guide for vSAN ESA. Link

Accent Tehno SRL

IDNO: 1002600037469

TVA: 0244960

BC" MOLDOVA-AGROINDBANK" S.A. suc. 'MAIB PARK'

BIC AGRNMD2X522

IBAN LEI: MD52AG000000022515264935



								All vSAN data SSDs listed above shall participate in the same single vSAN ESA storage pool; dedicated caching/capacity tiers are not applicable for vSAN ESA. Total vSAN ESA data SSDs per server: 24 (3 x 1.6TB + 21 x 3.2TB), all included in the BCG ESA ReadyNode BOM. Min. 2 x 240GB SSD for OS boot, Hot-Swap.								2 x 480GB SATA SSD for OS boot, Hot-Swap.	
						1.8	Storage Adapters included	Should support direct PCIe/NVMe attached mode for all 24 vSAN ESA data drives. NVMe behind RAID/Tri-mode/HBA is not accepted for vSAN ESA data drives. Server model/platform must be listed in Broadcom				1.8	Storage Adapters included	Direct PCIe/NVMe attached mode for all 24 vSAN ESA data drives. Server model/platform is listed in Broadcom Compatibility Guide (BCG) as vSAN ESA ReadyNode for vSAN 8.0U3+ and VCF 9.0 Link			
								Compatibility Guide (BCG) as vSAN ESA ReadyNode or ReadyNode-emulated for vSAN 8.0U3+ and VCF 9.0. Should be compatible with min. vSAN releases 8.0U3 and later and VMware Cloud Foundation 9.0. 1 x RAID controller for OS boot, 2 x SSD, RAID-1.						Server is compatible with vSAN releases 8.0U3 and later and VMware Cloud Foundation 9.0. 1x RAID controller (B550p) for OS boot, 2x 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 Broadcom Compatibility Guide for the proposed vSAN ESA configuration. NIC's should support min. vSAN releases 8.0U3 and later and VMware Cloud Foundation 9.0. Min. 4 x SFP 25G-SR SFP28 modules. Min. 1 x Dedicated 1Gb/s Ethernet Port for remote management.				1.9	NICs, ports, modules included (Server side)	2x NIC's with 2x 25GbE ports (Broadcom 57414 10/25GbE SFP28) NIC's support network virtualization offload. NIC's support RDMA (RoCE v2) NIC's are listed in Broadcom Compatibility Guide for the proposed vSAN ESA configuration. NIC's support vSAN releases 8.0U3 and later and VMware Cloud Foundation 9.0 Link 4x SFP 25G-SR SFP28 modules included. 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).				1.10	Modules included (Switch side)	4x SFP 25G-SR SFP28 modules (Cisco Compatible).			
						1.11	Interfaces included	Min. 2 x USB ports. Min. 1 x VGA port.				1.11	Interfaces included	4x USB 3 ports. 1x VGA port.			
						1.12	Options included	Trusted Platform Module 2.0.				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 with VMware® vSAN Express Storage Architecture (ESA), VMware® vSAN 8.0U3 and later).				1.13	Supported operating environments	Microsoft Windows Server®. Microsoft Hyper-V®. Red Hat® Enterprise Linux. VMware® (VMware® Cloud Foundation 9.0 with VMware® vSAN Express Storage Architecture (ESA), VMware® vSAN 8.0U3 and later). Link			
						1.14	Power supplies included	2 Hot-Swap PSU with support for 1+1 redundancy. Power cables c13-c14 (0.6 m) or C19-C20 (min.: 0.6 m.).				1.14	Power supplies included	2x 2000W Titanium Hot-Swap PSU with support for 1+1 redundancy. Power cables c13-c14 (1 m)			
						1.15	Fan Modules included	Hot-Swap with N+1 redundancy.				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;				1.16	Management included	XClarity Controller 3 (XCC3) with Premier license for full Remote Management Control			

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						• 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".			A web-based solution for KVM 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. Lenovo XClarity One for Centralized resource management solution for hardware management 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. If any hardware defect is identified during the 5-year warranty period, the Supplier shall replace the defective hardware within no more than 15 working days.		1.17	Warranty	Vendor 5 years Hardware and software support, with available customer portal. During 5-year warranty period, the Supplier will replace the defective hardware within no more than 15 working days.	
					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. FIPS 140-2/140-3: cryptographic modules used for VMware vSAN/VCF data-at-rest encryption shall be FIPS 140-3 validated, or FIPS 140-2 Active in NIST CMVP on offer date; bidder shall provide certificate number(s) or Broadcom/VMware evidence.		1.18	Terms and conditions	All requirements are minimum and mandatory. Any requirements do not limit another requirement. All components are current and not advertised as EOS / EOL. The expansion of memory (ram) and storage capacity do not include any hardware or software limitations. Faulty storage drives are not subject of return in order to be compliant with the security requirements. FIPS 140-2/140-3: cryptographic modules used for VMware vSAN/VCF data-at-rest encryption are FIPS 140-3 validated, Certificate #4815 Link	

Valabilitate ofertei pana la data 31.08.2026

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În calitate de: Director

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