

Dell EMC PowerStore and Unity XT metro node

Enables automated business continuity with true active-active synchronous replication over metro distance

Overview

Enable automated business continuity with zero RPO and RTO with PowerStore metro node. True active-active synchronous replication over metro distance with multi-site dual access gives organizations full confidence that their data will always be available and accessible. Metro node provides greater flexibility through multi-platform support and replication to any array and has zero performance impact on the storage array. Metro node models are available for PowerStore and Unity XT. Two 1U units comprise a metro node cluster.



| Mechanical | Technical Specifications |
|-----------------------|--|
| Dimensions and weight | Height: 42.8mm (1.69") Width: 482.0mm (18.98") Depth: 808.5mm (31.8") Weight: 29.9kg, (48.3 lbs) |
| Form factor | 1U (Two 1U units comprise a metro node cluster) |
| Bezel | 1U LCD bezel with metro node insert identifier on the right side of the unit |
| Mounting rails | Rails support Dell EMC and non-Dell EMC rack |
| Cable Management Kit | Two 1U cable management arms (CMA) Management 1 and management 2 Cat 6 shielded Ethernet cables LCOM1 and LCOM2 SFP+ direct attach passive copper cables Two black power cords for primary utility connections Two gray power cords for secondary utility connections One red Cat 6 shielded Ethernet cable |

| System Architecture | Technical Specifications |
|------------------------|--|
| Processors | Dual Intel Silver 4208 CPU (8 cores per CPU), 11M Cache, Turbo HT (85W) |
| Memory | 64GB RDIMM Memory (32GB per CPU) |
| Cluster size | Two metro node 1U units |
| Management | Embedded in the metro node operating system |
| Storage | 480GB SSD SATA Drive |
| Power supplies | Redundant 750W power supplies |
| Operating system | Metro node operating system |
| IO Card Configurations | PCIe Slot 1 and 2: Emulex Dual 32Gb/s HBAs PCIe Slot 3: Intel 10Gbe Quad Port Base-T (RJ45), LP NIC rNDC Intel 10GbE Quad Port SR, rNDC and dual Dell SPF+ SR Optics, 10GbE, 850nm for WAN |

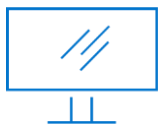
| System Capacities | Technical Specifications |
|--------------------------------|------------------------------|
| Virtual volumes | 8,000 metro and 10,000 local |
| Storage volumes | 8,000 metro and 10,000 local |
| Storage views | 1,000 |
| Storage volume size | 64TB |
| Virtual volume size | 64TB |
| Consistency Groups | 1,024 |
| Volumes per Consistency Groups | 1,000 |
| Clusters | 2 |
| IT nexus per cluster | 3,200 |
| IT nexus per front-end-port | 800 |

| Power and heat | Technical Specifications |
|--|--|
| Total power consumption | Input: 271 watts 1.2 amps |
| Heat dissipation (BTU/Hour) | 924.7btu/h |
| Non-operating temperature and humidity | Temperature: 16.8 C 30.2 F Humidity:11.4 CFM 5.4 l/s |
| Operating temperature and humidity | Temperature:14.2 C 25.6 F Humidity: 34.4 CFM 16.2 l/s |

| Certifications and Compliance | Status |
|-------------------------------|----------|
| Energy Star | Complete |
| NIST BIOS | Complete |
| Statement of Volatility | Complete |
| TPM - TCG | Complete |
| TPM – FIPS 140-2 | Complete |
| VPAT / Section 508 | Complete |
| PKI: CAC/PIV | Complete |
| Supply Chain Risk Management | Complete |

Operating System Support

Please refer to the Dell EMC E-Lab Simplified Support Matrix for details or download the E-Lab Navigator mobile App for iPhone or Android



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