Fixed Node Configurations for Dell Technologies Cloud Platform

The Industry’s Fastest Hybrid Cloud Deployment²—available with subscription pricing and upfront purchase.

Platform Overview

Dell Technologies Cloud Platform (DTCP) is a turnkey experience for hybrid cloud that combines VMware Cloud Foundation (VCF) and Dell EMC VxRail in a single solution. Jointly engineered with VMware, it’s the first HCI system fully integrated with VCF SDDC Manager. This delivers automated lifecycle management, making it easy to streamline operations.

Fixed Configurations Details

Fixed Configurations offer select VxRail node/rack options designed for rapid delivery—deploy your hybrid cloud in as few as 14 days¹. Choose between 6 pre-configured E560 VxRail nodes covering a wide range of workloads. After purchasing, a pre-configured and pre-tested rack with the node configurations of your choosing is rapidly delivered to your site and installed.

See below for a node comparison chart with the 6 available configurations for Fixed Configurations.

![Node comparison chart](image)

Figure 1: Node comparison chart

Deployment Architecture Overview

For small environments customers can utilize a consolidated architecture, which starts with just 4 nodes. For this architecture, the management and user workload domains run together on a shared management domain.

For larger environments, a customer can choose to deploy a standard architecture which starts at 8 nodes: 4 nodes in a dedicated management domain and a minimum of 8 nodes for the first virtual infrastructure compute workload domain. This is preferred when customers want to utilize dedicated resources and role-based access control to segment different sets of workloads.

¹ Applies to select fixed node configurations, contact your sales representative for details. Excludes orders over 24 nodes, certain vRealize (vRA, vRO) components, and some other features.

Customer credit approval, site survey and configuration workbook must be completed before order is placed. Product availability, holidays and other factors may impact deployment time. Deployment includes delivery, standardized installation and hardware and software configuration. US only.
# VxRail Node Options

Built on PowerEdge servers, the bedrock of the data center, and the new 2nd Generation Intel® Xeon® Scalable Processors, VxRail is designed for today’s mission-critical workloads, delivering multiple compute, memory, storage, network and graphics options to cover a wide variety of applications and workloads. VxRail continuously improves with new technologies such as Intel Optane, NVMe drives, 25 and 100 Gb/s connectivity, NVIDIA T4 GPU’s, and high memory option CPUs.

## Node Details

<table>
<thead>
<tr>
<th>Name</th>
<th>Workloads</th>
<th>Specifications</th>
<th>Capacity</th>
</tr>
</thead>
</table>
| 1G1s.small | Low end node for general purpose workloads | • Hardware Platform: VxRail E560F  
• CPU Type: 1 x 6212U (24C, 2.4 GHz)  
• Per CPU Cores: 24  
• Per Node Cores: 24  
• Per Node vCPU: 48  
• RAM: 256 GB  
• Per Node RAM:vCPU: 5.33  
• Cache Drives: 800 GB MU SAS SSD  
• NIC: 4 x 25 GbE ports | Hybrid Storage: N/A  
All Flash Storage: 11.52 (3 x 3.84) TB RI SATA SSD |
| 1M1s.small | For management domain and general purpose workloads | • Hardware Platform: VxRail E560F  
• CPU Type: 1 x Intel 6248R (24c, 3.0Ghz)  
• Per CPU Cores: 24  
• Per Node Cores: 24  
• Per Node vCPU: 48  
• RAM: 576 GB  
• Per Node RAM:vCPU: 12  
• Cache Drives: 1 x 800 GB MU SAS SSD  
• NIC: 4 x 25 GbE ports | Hybrid Storage: N/A  
All Flash Storage: 15.36 (4 x 3.84) TB RI SATA SSD |
| 1M1s.Large | For workloads that require additional storage such as virtualized Microsoft SharePoint and big data | • Hardware Platform: VxRail E560F  
• CPU Type: 1 x Intel 5220R (24C, 2.2 GHz)  
• Per CPU Cores: 24  
• Per Node Cores: 24  
• Per Node vCPU: 48  
• RAM: 576 GB  
• Per Node RAM:vCPU: 12  
• Cache Drives: 2 x 800 GB MU SAS SSD  
• NIC: 4 x 25 GbE ports | Hybrid Storage: N/A  
All Flash Storage: 30.72 (8 x 3.84) TB RI SATA SSD |

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2 Based on a 3-year term with the minimum starting configuration (4 x 1M1s.small + 3 x 1G1s.small) and an average monthly price of $2104 (USD). Pricing for DTCP with subscription may vary depending on the number and type of nodes in your configuration. For details on pricing, consult your account manager.

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| 1M1d.medium   | For heavy workloads that require high performance such as databases       | Hardware Platform: VxRail E560N  
CPU Type: 2 x Intel 6240R (24C, 2.4 GHz)  
Per CPU Cores: 24  
Per Node Cores: 48 (2x24)  
Per Node vCPU: 96  
RAM: 768 GB  
Per Node RAM:vCPU: 8  
Cache Drives: 2 x 1.6 TB MU NVMe  
NIC: 4 x 25 GbE ports | Hybrid Storage: N/A  
All Flash Storage: 23.04 (6 x 3.84) TB  
RI DC NVMe                                                   |
| 1M1d.xlarge   | For workloads that require additional storage such as virtualized Microsoft SharePoint and big data | • Hardware Platform: VxRail E560F  
CPU Type: 2 x Intel 5220R (24C, 2.2 GHz)  
Per CPU Cores: 24  
Per Node Cores: 48 (2x24)  
Per Node vCPU: 96  
RAM: 768 GB  
Per Node RAM:vCPU: 8  
Cache Drives: 2 x 1.6 TB MU NVMe  
NIC: 4 x 25 GbE ports | • Hybrid Storage: N/A  
• All Flash Storage: 61.44 (8 x 7.68) TB  
RI SAS SSD                                                   |
| 1X1d.xlarge   | For workloads that need large memory/storag e such as AI/ML and HPC        | • Hardware Platform: VxRail E560F  
CPU Type: 2 x Intel 5220R (24C, 2.2 GHz)  
Per CPU Cores: 24  
Per Node Cores: 48 (2x24)  
Per Node vCPU: 96  
RAM: 1536 GB  
Per Node RAM:vCPU: 16  
Cache Drives: 2 x 1.6 TB MU NVMe  
NIC: 4 x 25 GbE ports | • Hybrid Storage: N/A  
• All Flash Storage: 61.44 (8 x 7.68) TB  
RI SAS SSD                                                   |

**STATEMENT OF COMPLIANCE**

Dell EMC Information Technology Equipment is compliant with all currently applicable regulatory requirements for Electromagnetic Compatibility, Product Safety, and Environmental Regulations where placed on market. Detailed regulatory information and verification of compliance is available at the Dell Regulatory Compliance website: [http://dell.com/regulatory_compliance](http://dell.com/regulatory_compliance)