Fixed Node Configurations for Dell Technologies Cloud Platform

The Industry's Fastest Hybrid Cloud Deployment[2]—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 days[1]. 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.
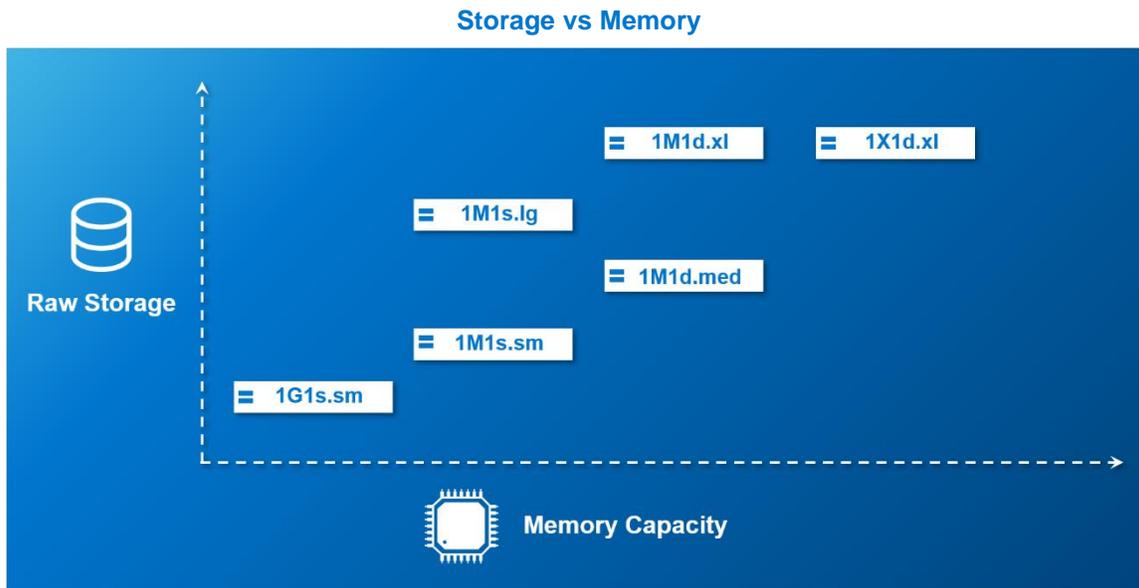
Storage vs Memory

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.

Flexible Consumption Models

DTCP Fixed Configurations can be bought as subscription pricing, as well as upfront purchase. With flexible consumption models available, you can better align costs with business objectives and growth.

With subscription pricing, we made it simple to buy hybrid cloud environments—for as low as $70/node per day[2]. Subscription is offered through a 1- or 3-year subscription term—where all hardware, software and services (support, deployment, asset recovery) components are included and paid for in a per node per month manner.

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.
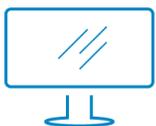
Node Details

Name	Workloads	Specifications	Capacity
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

[2] Based on a 3-year term with the minimum starting configuration (4 x 1M1s.small + 3 x 1G1s.sm) 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.

Name	Workloads	Specifications	Capacity
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/storage 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

Learn more about Dell Technologies Cloud solutions

Contact a Dell Technologies Expert

View more Cloud resources

Join the conversation with @DellEMCCloud