Cisco UCS X-Series Boosting Performance of VMware vSAN

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Overview

VMware vSAN ReadyNodes are for organizations that want the most flexibility, the lowest up-front cost, and direct control over their HCI software configuration. IDC[1] data shows that HCI systems powered by VMware are number one in market share, and Cisco offers vSAN ReadyNodes for Cisco UCS® servers. ReadyNodes are jointly certified by VMware and Cisco to provide IT customers enterprise-grade storage performance and reliability. Cisco uses vSAN ReadyNodes with many server configurations from high-capacity hybrid systems, to fully composable solutions, to the highest-performance all-NVMe nodes. VMware vSAN ReadyNodes are jointly certified to meet performance and reliability benchmarks from VMware and Cisco.

Benefits

- **Improve TCO:** by leveraging industry-standard server hardware, VMware vSAN ReadyNodes offer a cost-effective solution for customers who want to build a Hyper-Converged Infrastructure (HCI) environment without the high costs typically associated with proprietary hardware.
- **Simplify deployment:** VMware vSAN ReadyNodes are preconfigured, validated, and certified to run VMware vSAN software, making it easy and quick to deploy the solution in your data center.
- **Increased flexibility:** customers have the flexibility to choose the configuration that best suits their specific requirements while still benefiting from VMware vSAN ReadyNodes' optimized and validated configuration.
- **Reduce risk:** the pre-validated and tested hardware configuration of VMware vSAN ReadyNodes helps reduce the risk of compatibility issues, ensuring that customers can deploy the solution with confidence.

[1] IDC 1Q2023 Worldwide Quarterly Converged Systems Tracker, March 2023

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Why Cisco UCS X-Series for VMware vSAN

Companies have traditionally chosen rack form-factor servers for VMware vSAN deployments because of the requirements for fast networks, storage capacity, or GPUs. The Cisco UCS X-Series easily meets these requirements. The Cisco UCS X-Series provides the functionalities of both blade and rack servers by offering compute density, storage capacity, and expandability in a single system, embracing a wide range of workloads in your data center.

With six drives, up to 15.3TB each, customers have plenty of storage capacity, up to 91TB per server node. You can quickly and seamlessly add GPUs to any server node with Cisco UCS X-Series X-Fabric Technology. And only Cisco offers a 100G unified fabric. Unified fabric allows customers to easily wire the Cisco UCS X9508 Chassis for needed bandwidth regardless of type – data, storage, or management.

Cisco UCS X-Series Modular System is managed from the cloud using Cisco Intersight®. It is designed to meet the needs of modern applications and improve operational efficiency, agility, and scale through an adaptable, future-ready, modular design.

Cisco UCS X-Series can reduce risk by using pre-validated and tested hardware configuration of vSAN ReadyNodes. This simplifies deployment, making it easy and quick to deploy the solution for your hyper-converged infrastructure.

Learn more

For additional information, visit Cisco UCS X-Series Modular System: https://cisco.com/go/ucsx

VMware vSAN ReadyNode Cisco certified servers

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