



Datasheet

NetApp Integrated EVO:RAIL Solution

Extend Enterprise-class integrated infrastructure to branch and departmental IT

Key Features and Benefits

- **Enterprise-proven solution**—combines the world's #1 branded storage OS, #1 virtualization software, and world class services.
- **Rapid deployment**—Easy, single SKU ordering; install and configure in less than 30 minutes.
- **Industry-leading storage efficiency**—built-in deduplication, compression, thin provisioning, and VM cloning reduces storage requirement.
- **Greater storage agility**—Tiered storage spanning flash storage, disk drives, and cloud capacity can be provisioned in minutes and scale to petabytes.
- **Deep integration with VMware and enterprise applications**—enable unified data management across virtual and storage environments through vCenter.
- **Integrated data protection**—nondisruptive data mobility, data replication, along with space-efficient backup and recovery, eliminate the need for a separate backup and DR infrastructure.
- **Easily extended to the hybrid cloud**—Leverage public cloud resources to scale out compute and storage.

Solution Description

The NetApp® Integrated EVO:RAIL Solution is a modular platform that combines compute and storage resources into a high-performance, enterprise-class appliance that is easy to deploy and manage. The solution includes a NetApp FAS2552, NetApp virtual data management software, a 4-node server platform, and VMware EVO:RAIL and other VMware software technologies tightly integrated as a single platform.

- **Compute:** Four high-performance servers with dual-socket Intel E5-2620v2 CPUs, 48 cores of processing power, 4 nodes, 2U chassis.
- **RAM:** RAM is fixed at 192GB per node and at 768GB RAM for four nodes.
- **Storage and Compute Capacity:** 13TB of RAID-DP protected usable capacity with 3.2TB of flash for caching. The system can scale to 1.5PB of raw storage.
- **Switch (not included):** A top-of-rack Ethernet-based switch that supports 10Gb IP networking technology is required, but it is not included as part of this solution.
- **Storage OS:** The NetApp Integrated EVO:RAIL Solution uses the NetApp Data ONTAP® operating system as part of a FAS2552 system to provide enterprise-class data management for the platform.
- **VMware VSAN:** The Solution includes VMware VSAN. NetApp FAS complements VSAN with the capability to provide the advanced data services required for persistent data.

Configuration

The NetApp Integrated EVO:RAIL Solution comes preloaded with deployment and configuration software: The VMware EVO Configuration and Management software simplifies the virtualization setup and the NetApp integration software for VMware EVO:RAIL simplifies the setup and configuration of the FAS2552 storage system and its integration into the EVO:RAIL environment to significantly reduce the amount of time between system delivery and system readiness.



Management

The NetApp Integrated EVO:RAIL Solution includes the VMware vCenter Web Client and EVO:RAIL engine interfaces for ongoing management. NetApp specific additions include the following software:

- NetApp Virtual Storage Console with deep integration with VMware vSphere and vCenter
- NetApp integration software—VAAI and VASA plus other plug-ins and management packs

Service and Support

The solution is supported through the world-class NetApp Customer Service organization, providing all levels of support. The solution includes NetApp SupportEdge Premium services.

The NetApp Integrated EVO:RAIL Solution is designed for enterprise branch and departmental IT departments that want to create a data fabric by sharing a common data management infrastructure with the enterprise data center. The NetApp Integrated EVO:RAIL Solution can easily interconnect with NetApp storage and FlexPod® systems running in the data center.

Use Cases

- Departmental IT and branch office virtualized servers and apps—SQL Server and Oracle
- End-User Computing deployments with less than 1,000 virtual desktops

Solution Positioning

- **NetApp Integrated EVO:RAIL Solution:** The solution complements FlexPod, NetApp's existing converged infrastructure solution, by providing a smaller, easier-to-deploy solution for branch offices and departmental IT. By sharing a common data management infrastructure with the enterprise data center, the NetApp Integrated EVO:RAIL Solution can easily interconnect with NetApp storage and FlexPod systems running in the data center.
- **FlexPod:** FlexPod provides a more customizable platform that can be tailored for multiple virtualization environments, specific configurations, and a wide variety of workloads, technologies, and sizes.
- **NetApp Portfolio:** Our portfolio offers multiple fully customizable platforms that can be tailored to meet the customer's specifications.

Partnership

The NetApp Integrated EVO:RAIL Solution was developed in partnership with VMware. NetApp EVO:RAIL leverages VMware's EVO:RAIL technology in combination with NetApp FAS2552 HA and NetApp Flash Pool™ enterprise data technology to provide a software-defined infrastructure foundation that is easy to buy, deploy, and manage.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

www.netapp.com