



VMware EVO:Rail Solution

The simplest entry point to a VMware powered software-defined data center.

VMware EVO:RAIL™: combines compute, networking, and storage resources into a hyper-converged infrastructure appliance to create a simple, easy to deploy, all-in-one solution offered by Qualified EVO:RAIL Partners (QEP). Thanks to its unique engine, EVO:RAIL is the simplest entry point to a VMware powered software-defined data center. Its unique architecture ensures business continuity, simple deployment, and a lower Total Cost of Ownership (TCO).

VMware's EVO:RAIL reduces IT operating costs by allowing for faster deployments, automatic scaling, and non-disruptive patch and update of all VMware software. Moreover, it reduces capital expenditures by efficiently utilizing the on board server side storage which has been optimized for the EVO:RAIL software stack, allowing customers to pay as they grow. In a nutshell, EVO:RAIL is the next EVOLution in your datacenter infrastructure.

SIMPLICITY TRANSFORMED

EVO: RAIL enables power-on to VM creation in minutes, radically easy VM deployment, one-click non-disruptive patch and upgrades, simplified management.

SOFTWARE-DEFINED BUILDING BLOCK

EVO: RAIL is a scalable Software-Defined Data Center (SDDC) building block that delivers compute, networking, storage, and management to empower private/hybrid-cloud, end-user computing, test/dev, and branch office environments.

TRUSTED FOUNDATION

Building on the proven technology of VMware vSphere®, vCenter Server™, and VMware Virtual SAN™, EVO: RAIL delivers the first hyper-converged infrastructure appliance 100% powered by VMware software.

HIGHLY RESILIENT BY DESIGN

Resilient appliance design starting with four independent hosts and a distributed Virtual SAN datastore ensures zero application downtime during planned maintenance or during disk, network, or host failures.

INFRASTRUCTURE AT THE SPEED OF INNOVATION

Meet accelerating business demands by simplifying infrastructure design with predictable sizing and scaling, by streamlining purchase and deployment with a single appliance SKU, and by reducing CapEx and OpEx.

FREEDOM OF CHOICE

EVO: RAIL is delivered as a complete appliance solution with hardware, software, and support through leading systems vendors; customers choose their preferred brand.

KEY HARDWARE FEATURES

Each EVO: RAIL appliance has four independent nodes with dedicated computer, network, and storage resources and dual, redundant power supplies. Each of the four EVO: RAIL nodes have:

- Two Intel E5-2620v3 six-core CPUs
- 192GB of memory
- One SDD for the ESXi™ boot device
- Three SAS 15K RPM 600GB HDD for the VMware Virtual SAN™ datastore
- One 400GB MLC enterprise-grade SSD for read/write cache
- One Virtual SAN-certified pass-through disk controller
- Two 10GbE NIC ports (configured for either 10GBase-T or SFP + connections)
- One 1GbE IPMI port for remote (out-of-band) management
- Apex 2800 Hardware accelerator card for VDI offloading

TERADICI HARDWARE ACCELERATOR (APEX 2800)

The Hardware Accelerator enhances VMware® Horizon View performance and complements shared GPU or GPU pass-through deployments. Coupled with next-generation PCoIP Zero Clients, the accelerator doubles frame rates to ensure a consistent user experience.

- **Smooth CPU Spiking:** Dynamically allocating resources, the hardware accelerator reduces peaks in CPU utilization and creates virtual CPU 'headroom', allowing CPU intensive applications to run smoothly, avoiding cases where the CPU would otherwise starve.
- **Increase VDI Consolidation Ratios:** The more virtual desktops running on a host, the lower the cost per user. System managers can take advantage of extra CPU headroom to improve consolidation ratios by up to 2 times.
- **Improve User Experience:** Coupled with a physical GPU on VMware Horizon View, the Hardware Accelerator increases the frame per second delivered to the remote end point. The Hardware Accelerator delivers the extra pixels generated by the GPU.

VMware EVO: RAIL Appliance



New ECO: RAIL Software Bundle

- EVO: RAIL Rapid deployment, configuration, and management engine
- Compute, network & storage virtualization with vSphere and Virtual SAN
- VMware Support & Services (SnS)
- Software bundle provided to qualifying partners via a Franchise "Like" Model



2U 4-Node hardware platform optimized for EVO: RAIL

- 4 independent nodes for compute, network and storage
- Each node has dual processors & 192GB of Memory
- Total of 16TB of Flash and HDD Storage via Virtual SAN
- Phone and in-field HW & SW Support & Services (SnS)

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ABOUT INTERNATIONAL COMPUTER CONCEPTS

ICC is an enterprise IT systems integrator with over 23 years of industry experience and history. We develop the highest quality and most cost effective server, storage, and appliance solutions across a wide range of applications and industries. With unparalleled customization capabilities and a personalized client-oriented approach, ICC looks to understand the environment our customers work in order to help them achieve their goals.

Contact ICC today to learn more about transforming your IT to optimize the efficiency and dynamic growth of your business.

**PREMIER PARTNERSHIPS
WITH INDUSTRY LEADERS**

vmware®