

TOP REASONS TO MODERNIZE YOUR FINANCIAL SERVICES IT WITH DELL EMC VXRAIL

This streamlined, secure, flexible hyperconverged infrastructure solution can propel your institution into the future



Financial institutions everywhere are facing the pressure of digital disruption and a constantly evolving technological landscape. To boost revenue, remain competitive and attract and retain customers, they must continually develop and deliver digital services that provide an engaging and personalized experience while remaining cost-effective and adhering to the strictest security standards.¹ At the same time, they are contending with emerging technologies, such as blockchain and AI, that involve enormous volumes of data; increasingly stringent compliance, data privacy and security regulations and new, agile competitors in the start-up and digital space.² For financial institutions, sticking with traditional 3-tier infrastructure while facing rapidly growing IT requirements isn't an option. Success requires simultaneously modernizing and transforming legacy IT, rolling out new technology systems and reducing operating costs.

One way to accomplish all of these goals is by investing in a hyperconverged infrastructure solution such as Dell EMC VxRail. VxRail allows financial institutions to modernize their applications without disrupting their established business processes. Providing performance improvements, a small data center footprint and the ability to add capacity on demand, VxRail is the ideal platform for institutions embracing digital transformation.

1. Performance and Scalability for Business-Critical Applications

As financial technology rapidly evolves, the most mission-critical applications—such as branch banking apps and financial data analytics systems—often require the most resources. Dell EMC VxRail can improve data center efficiency and boost performance, helping you provide excellent service to your customers and internal stakeholders. It can also support the resource-intensive AI applications that financial institutions are increasingly using to solve business problems ranging from risk management to credit decision-making to fraud prevention.³

Built on PowerEdge servers with 2nd Generation Intel® Xeon® Scalable processors, Dell EMC VxRail supports flexible configurations to address any use case, including options purpose-built for dense storage and high-performance computing.⁴ VxRail also offers increased all-flash and hybrid storage capacity, provides more GPU cards for compute-intensive workloads such as credit scoring or risk modeling analysis and leverages higher endurance and redundant boot devices (BOSS). For remote offices or branches with dynamic needs, VxRail allows customers to start small and grow, scaling to handle high peaks and accommodate varying resource requirements.

2. Ideal for Remote and Branch Offices

Your institution likely has a network of remote and branch offices, each with their own IT requirements but none with the space, IT expertise or cooling capacity a large data center requires. Deploying a Dell EMC VxRail solution at these sites can give you the same infrastructure services your data center delivers to your primary office, providing the seamless performance and user experience you need to keep business running optimally and efficiently, with IT staff able to monitor and manage the system remotely. Initial setup and regular updates are simple, and IT staff can tailor compute and capacity resources to the unique needs of each branch.

3. Save IT Time and Resources with Easy Deployment, Configuration and Management

The financial services industry is moving forward constantly and never takes breaks—you can't afford to wait to make necessary changes in your technology infrastructure. Because Dell EMC VxRail is an integrated, pre-configured turnkey system, it can be up and running in a new branch office in days or weeks, instead of months.⁶ After this quick deployment, VxRail empowers you to deliver new services and applications as much as 56% faster, and offers easy, non-disruptive upgrades.⁷

In everyday management, too, Dell EMC VxRail helps boost business agility and relieve the burden on IT. VxRail comes with Analytical Consulting Engine (ACE), a centralized data collection and analytics platform that streamlines the monitoring of your VxRail clusters, improves serviceability, ensures healthy capacity utilization rates and forecasts resource consumption to help you optimize performance. This end-to-end management tool drives operational efficiencies through automation, artificial intelligence and machine learning.⁸

4. Deploy Rich, Reliable Virtual Desktop Infrastructure

Virtual desktop infrastructure (VDI) has security and compliance advantages for financial institutions; by storing sensitive data on a centralized server rather than on user devices, the loss or theft of a device is much less likely to result in a breach. Hyperconverged solutions such as VxRail provide a robust platform for VDI without the high upfront capital expenditures that a VDI implementation once required.⁹ To provide a positive experience for a growing number of users, IT must deliver consistent, strong performance and scalability.¹⁰ Dell EMC VxRail offers all-flash configurations that can easily handle the peak performance requirements of large VDI deployments. With enhanced GPU support, VxRail can handle both general-purpose environments and those requiring high-end graphics. Because VxRail lets you create hundreds of virtual desktops in minutes at little expense, scaling up your VDI implementation is easy. VxRail supports both VMware Horizon and Citrix XenDesktop, so IT teams can build on their existing expertise.

#1 Hyperconverged Systems Product⁵

The Only Hyperconverged Infrastructure Engineered with VMware

Dell EMC VxRail, powered by VMware vSAN™ and VMware vSphere™, is the only HCI appliance engineered, configured, and tested with VMware. Its integration with VMware technologies makes it the easiest and fastest way to extend your VMware environment. For a seamless, automated VMware experience with security at every level of the stack, choose VxRail.



5. Built-in Data Security and Disaster Protection

While security is paramount for every business today, its importance is especially great for financial services firms, which experience security incidents 300 times as frequently as businesses in other sectors, according to one study.¹¹ Dell EMC VxRail secures and protects your data against threats and challenges from within and outside of the organization.

Dell EMC develops every VxRail system in accordance with the Security Development Lifecycle (SDL) standards—from product design through development, test and deployment, each system is subject to security alert monitoring and timely remediation.¹² VMware software follows the same security standards during development. Whether your organization requires PCI DSS, DISA STIG, or FIPS security, VxRail can provide it.

For financial institutions subject to regulatory and compliance requirements that prevent them from storing data in the public cloud, VxRail can support a hybrid cloud. When used in this way, the cyber-resilient system provides the security of on-premises data storage while offering the speed to market, provisioning benefits and cost advantages of the public cloud.

Security issues are not the only threat to your data. From technical glitches to natural disasters, other problems can be equally catastrophic, making a strong disaster protection and recovery solution critical for financial services institutions. To ensure business continuity and quick, secure recovery in such situations, Dell EMC VxRail offers:

- Stretched clusters with active/active operation for applications that require continuous availability and zero downtime
- RecoverPoint for VMs, vSphere replication and replication for any point in time from seconds to minutes
- Optional: Data Protection Suite for VMware, offering including backup and recovery, continuous data protection, monitoring and analysis and search capabilities
- Optional: Data Domain Virtual Edition, delivering core Data Domain features

6. Single Point of Support

When a remote branch has a problem with its IT infrastructure, your IT staff can't wait days to fix it; resolving the issue quickly is critical to minimizing revenue loss and customer hassles. Dell EMC VxRail offers remote monitoring and proactive, predictive and preventative services by Dell EMC Global Support through an integration with Dell EMC Secure Remote Service. When you do have to pick up the phone, Dell EMC is your single point of global, 24x7 support for both hardware and software.

“Our client base is growing, and that’s causing us challenges around how we manage and deliver services... Within Baillie Gifford, hyperconverged technologies [from Dell Technologies] allowed us to more quickly deploy those services and make changes, scale up and scale down environments, to better meet the needs of the business.”

—Colin Lennon – Head of Technology and Service Delivery, Baillie Gifford

“The integration between VxRail hyperconverged appliances and Dell/VMware Cloud stack...provides a roadmap for GraceKennedy to optimally run our business-critical applications.”

—Nicole Case – Chief Information Officer, GraceKennedy Financial Group

7. Save Money in Operations and Maintenance

TCO is a critical consideration for any business investing in new technology. An IDC study found that Dell EMC VxRail delivers a 489% five-year ROI and that it allowed IT teams to spend 60% less time on routine management, making more budget and staff resources available for exploring new technologies.⁷ The high performance that VxRail delivers can also help reduce costs for energy, space and other resources.

To take the next step toward modernizing your institution’s IT with the Dell EMC VxRail, visit <https://www.dell EMC.com/en-us/converged-infrastructure/vxrail/index.htm>.

¹ Financial Services Technology 2020 and Beyond: Embracing disruption.

<https://www.pwc.com/gx/en/financial-services/assets/pdf/technology2020-and-beyond.pdf>

² How FinTech Initiatives Are Driving Financial Services Innovation.

<https://www.forbes.com/sites/ciocentral/2018/07/10/how-fintech-initiatives-are-driving-financial-services-innovation/#ec8270754fa1>

³ The Growing Impact of AI in Financial Services: Six Examples.

<https://towardsdatascience.com/the-growing-impact-of-ai-in-financial-services-six-examples-da386c0301b2>

⁴ Dell EMC VxRail Appliance TechBook.

<https://www.dell EMC.com/en-us/collaterals/unauth/technical-guides-support-information/products/converged-infrastructure/h15104-vxrail-appliance-techbook.pdf>

⁵ IDC, “Worldwide Quarterly Converged Systems Tracker,” Hyperconverged Systems product category, vendor revenue (US\$M), June 2019.

⁶ Running Global Production on Streamlined IT. <https://www.dell EMC.com/collateral/customer-profiles/h17014-dell EMC-customer-profile-johnsonville.pdf>

⁷ IDC, “Delivering Efficient Business Expansion with Dell EMC VMware-Based HCI,” October 2018. <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/whitepaper/vmw-delivering-efficient-business-expansion-with-dell EMC-vmware-based-hci-idc-whitepaper.pdf>

⁸ Dell EMC VxRail at heart of vendor’s cloud strategy.

<https://searchconvergedinfrastructure.techtarget.com/news/252462574/Dell-EMC-VxRail-at-heart-of-vendors-cloud-strategy>

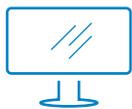
⁹ Security meets flexibility: A checklist for virtual desktop infrastructure.

<https://www.bai.org/banking-strategies/article-detail/security-meets-flexibility-a-checklist-for-virtual-desktop-infrastructure>

¹⁰ Less Hardware. More Software. The Key to Modernizing the Financial Services Data Center. <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/solutions/industry/financial-services/vmware-ebook-financial-services-hci.pdf>

¹¹ Finance Hit by 300 Times More Attacks Than Other Industries. <https://www.infosecurity-magazine.com/news/banks-hit-300-times-more-attacks/>

¹² Dell EMC VxRail Appliances Comprehensive Security by Design. <https://www.emc.com/collateral/white-papers/vxrail-comprehensive-security-design.pdf>



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