Optimize Data Protection for Dell EMC VxRail Appliance

Safeguarding hyper-converged infrastructure workloads with Dell EMC data protection

The Challenge: Leveraging simple, trusted data protection for VxRail Appliance

Streamlining your IT infrastructure and lifecycle with a dynamic, modular, pay-as-you-grow approach with Dell EMC VxRail™ Appliances provides natively integrated compute, storage and virtualization to radically simplify your IT infrastructure. As the only turnkey hyper-converged infrastructure appliance fully integrated and tested with VMware vSphere and Virtual SAN software, the VxRail Appliance delivers a known and proven building block for the Software Defined Data Center, creating certainty in your IT operations and end user experiences. And, as a comprehensive solution, VxRail Appliances must include data protection as a critical element to support your key applications and data in today’s virtualized data center.

The Solution: Optimized data protection for VxRail Appliance

As hyper-converged infrastructure expands to more use cases, customers look for increased capabilities and more cost-effective scaling to support those workloads.

VxRail Appliance with Dell EMC data protection provides simple, fast and efficient protection of data and applications regardless of where they live, against whatever might happen, and at the right service level based on business value. Dell EMC data protection for VxRail provides backup and recovery, continuous data protection for any point-in-time recovery, proactive monitoring and analysis, reporting and backup file search capabilities.

Dell EMC Data Protection for VxRail

Does your software solution simplify and scale data protection of your VMware environments?

It should.

Optimize data protection for the VxRail Appliance with comprehensive protection for your critical business data.

Comprehensive data protection for VxRail Appliance is more than just backup and recovery. Business-critical data and applications require continuous data protection for any-point in time recovery, as well as proactive monitoring and real-time analysis to ensure service level objectives are met. And, metadata and full content index-based search makes it easy to quickly find and restore filesystem backup data, and being able to filter the search provides a more accurate set of results.
When you need fast backup and recovery

Client-side deduplication reduces network traffic by up to 99%, speeds backup times by up to 50%, and reduces backup storage utilization by an average of 36x. Recovery is simple, while providing fast access to backup data. Instant access to a VM image enables rapid deployment of production images into test and development environments, as well as full image recovery for disaster recovery.

When you need seamless data protection

Dell EMC data protection is the only data protection solution with integration into all VMware interfaces. Backup and VMware Administrators manage data protection leveraging the VMware interfaces they already know. And, automated replication of backup data ensures that you have reliable off-site recovery, including long term retention.

When you need efficient backup and recovery

Being able to recover data is the goal of all data protection solutions. Dell EMC data protection offers flexible and reliable recovery options. Application consistent backups ensure you can restore you mission-critical applications. Fast file-level restore ensures business continuity with minimal latency. And, to help prepare for disaster recovery, you have the option to perform automated restore rehearsals to validate your DR readiness. Data is encrypted during backup and replication, ensuring data is secure.

When you need any point-in-time recovery

Protect virtual machines with automated provisioning and orchestration capabilities for disaster and operational recovery with VM-level granularity. VMware Administrators can easily protect and replicate VMs with continuous replication for any point in time recovery – enabling inter-dependent application consistency. The solution is 100% software and is hypervisor-based – and includes automated disaster recovery integrated into VMware vCenter. And, it provides local and remote replication over any distance with synchronous or asynchronous replication.

When you need unified analytics and insight

Monitoring, reporting, and real-time analytics are needed to provide your organization with unified visibility and insight into utilization, effectiveness, and compliance of data protection. By collecting and analyzing information across the entire infrastructure, you have the ability to automate manual tasks, and enable faster problem solving, while simplifying management.

Centralized collection of the data provides a single, comprehensive view of your data protection environment and activities. You can perform monitoring and reporting on the configuration, status and performance of your replication and be notified of unprotected VMs.

Management and monitoring capabilities offered by Dell EMC data protection for VxRail significantly reduces time spent on audits, compliance and other reporting requirements. You will be better prepared to make informed decisions faster, while redacting cost and building efficiency.
When you need the most trusted protection storage solution

Gain the benefits of the world’s most trusted protection storage and the agility, flexibility and efficiency of a software-defined solution. Simple to deploy, protection storage can be up and running in just a matter of minutes. It scales up to 96 TB per instance, you can pay as you grow in as little as 1 TB increments and distribute this capacity in multiple instances as needed across the environment. It can run on standard hardware, so you can leverage existing infrastructure to deploy protection storage.

Dell EMC protection storage provides high-speed, variable length deduplication, unparalleled data integrity to ensure reliable recovery, and supports a broad ecosystem of backup, archive, and enterprise applications. Natively tier deduplicated data to the cloud for cost-effective long-term retention in the public, private or hybrid cloud. And, support for multi-tenancy enables protection storage as a service for a service provider or private cloud environment.

Dell EMC Data Protection options for converged infrastructure solutions

Dell EMC’s data protection portfolio for Dell EMC Converged Infrastructure solutions is ideal for any organization - ranging from an enterprise that is simply looking for efficient and cost-effective backup and recovery in the event of physical or logical system failures, to a financial services provider whose business relies on always-available customer or transaction information.

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