DELLTechnologies

Overview and Benefits

Simple, Secure, Flexible, and Efficient

- Configure and deploy in minutes
- Support up to 96TB instances
- Grow as you scale in 1TB increments
- Run on any commodity server, converged, and hyper-converged
- Replicate data between cloud and on-premises or between clouds
- Supports both Retention Lock Governance and Compliance
- Sold as a subscription

Virtualized Environments

- Multiple hypervisors support: VMware ESXi, Microsoft Hyper-V, and KVM
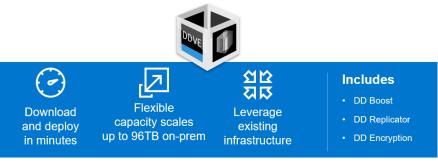
Manageability

- Single point of management with Dell PowerProtect DD Management Center (DDMC)
- Configure and deploy using VMware vSphere and Microsoft Hyper-V Manager
- Manage configuration templates across multiple systems
- DD series appliances are now integrated with Dell CloudIQ
- Supports Smart Scale for PowerProtect appliances

DELL POWERPROTECT DD VIRTUAL EDITION

Software-Defined Data Protection Storage

PowerProtect DD series appliances deliver the most trusted protection storage in the market, providing industry-leading deduplication, scalability, reliability, performance and unparalleled data integrity to ensure reliable recovery and supporting a broad ecosystem of backup and archive applications.

PowerProtect DD Virtual Edition (DDVE) is the software-defined data protection offering within DD series, providing flexibility while maintaining all the core differentiating protection storage capabilities. DDVE is fast and simple to download, deploy, and configure. DDVE can be up and running in minutes on any standard server, whether converged or hyper-converged.

| Download and deploy in minutes | Flexible capacity scales up to 96TB on-prem | Leverage existing infrastructure | **Includes**
• DD Boost
• DD Replicator
• DD Encryption |

DDVE scales up to 96TB per instance and you can pay as you grow in as little as 1TB increments and distribute this capacity in multiple instances as needed across the environment. DDVE maintains the core DDOS features and includes DD Boost, DD Encryption and DD Replicator.

Powerful Management

Dell PowerProtect DD Management Center (DDMC), can provide the same dashboard-based resource management, monitoring and reporting center for the physical DD series as well as DDVE. DDMC is now available as a free download.

DDMC provides aggregated management for multiple DD series appliances (physical and virtual). DDMC can view capacity and replication management as well as manage health, secure multi-tenancy and status resource monitoring.

Data protection for virtualized environments

DDVE can provide data protection to multiple virtual server environments based on VMware ESXi, VMware vSphere, Microsoft Hyper-V, and KVM. DDVE can protect data, backup and restore between virtual machines on the same server and across multiple servers. It can also serve protection across multi-tenant environments.

DDVE supports the following hypervisor versions:

VMware ESXi: Version 5.5, 6.0, 6.5, 7.0

VMware vSphere: Version 5.5, 6.0, 6.5, 7.0

Microsoft Hyper-V: Microsoft Windows Server 2012 R2, Windows Server 2016

KVM Linux distributions from Ubuntu, RedHat, SUSE, and CentOS

DDVE can be deployed and configured by VMware vSphere, Hyper-V Manager, and respective KVM Linux distributions manager.

Remote office / back office (ROBO) environments

Many enterprises that have remote offices all over the world face the challenge of managing, monitoring, and protecting data in such environments. DD series physical appliances working in parallel with DDVE can help meet these data protection challenges.

With a DD series appliance at the main data center and a DDVE at each branch office, you get the assurance that your data at these branch offices is protected. The entire data protection environment can be managed centrally with DDMC. If a branch office has a failure or must shut down, you have the peace of mind that the protected data is not lost. DDVE will divert that data into another remote office or stores it on-premises.

Protecting new workloads and applications

DDVE can cost effectively extend its benefits like deduplication, scalability, and flexibility to new workloads and applications, including MySQL, mongoDB, Cassandra, EDB Postgres and others. Extending DDVE protection to new applications is very simple and designed to be easily accomplished by backup admins, IT generalists or those specializing in databases or platforms.

DDVE is hardware agnostic

DDVE can run on any commodity server as well as high performance servers such as Dell PowerEdge and converged platforms such as Dell VxRail.

DDVE on PowerEdge Server

DDVE is delivered in pre-tested configurations for ROBO environments as an example, thereby making it fast and simple to deploy. It can grow as the demand increases and is reliable for protecting a variety of workloads and applications as mentioned earlier.

DDVE on VxRail

DDVE can extend its software-defined data protection benefits to converged environments too. DDVE can be deployed on a VxRail platform in minutes and can be replicated to any data center. DDVE offers the simplicity and flexibility to protect, backup, and restore data in converged environments. You can get end-to-end data protection with the deployment of DD series or DDVE along with Data Protection Suite for VMware on Dell VxRail platforms.

In-cloud data protection

Dell APEX Protection Storage for Public Cloud provides the same data protection experience in-cloud as DDVE on-premises. Simple and quick to deploy directly from cloud marketplaces, APEX Protection Storage provides up to 256TB per instance and you can distribute and scale this capacity in multiple instances as needed across the environment for additional levels of protection. For more information, see APEX Protection Storage for Public Cloud.

Learn more about
DD series

Contact a Dell Technologies Expert

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