Dell EMC Data Protection Suite Enterprise Edition provides enterprise organizations with industry-leading data protection through a comprehensive solution built to meet the needs of organizations of all types and sizes. Whether your data protection environment is rich with mission critical applications, fully virtualized, focused on backup and recovery with requirements for supporting many different use cases including NAS and tape-out, or a complex assortment of these, Data Protection Suite Enterprise Edition is designed to satisfy the needs of your business. Using technologies ranging from replication to snapshot, backup and archive Enterprise Edition delivers protection based on the value of the data and service levels that align to business objectives.

**DATA PROTECTION CHALLENGES**

Companies are rethinking data protection methods as a result of exponential data growth, regulatory compliance, strict service-level agreements, virtualization and shrinking backup windows. And IT teams face additional challenges from accelerated virtualization and the need to better protect data residing throughout the enterprise. The reality is that most companies are managing their applications and data in multiple places; from on-premises traditional infrastructures to virtualized environments to hybrid and public clouds. This calls for a data protection strategy that acknowledges the current landscape and protects data across all consumption models because it is likely that you will need to protect more than one of these environments for some time. At the same time, protection and availability should be based on the business value of the data and service levels that align to your business objectives.

Traditional solutions are inefficient because they repeatedly backup everything—duplicate files and sub-file data segments that exist across servers, desktops, laptops, and offices. When combined with daily incremental and weekly full backups, the amount of duplicate data is staggering and often leads to decreased performance and increased costs. Searching for backups to recover data in large environments becomes a daunting task.

A primary driver of this exponential data growth is copy data, which includes copies for data protection, analytics, operations, as well as testing and development. This copy sprawl ultimately leads to increased risk, reduced efficiency, and increased costs. The reason behind this explosion of copy data is largely due to the move to self-service, which has led to siloes of copy creation across the enterprise.
without global oversight. Solving the copy data problem requires a modern approach to data management which focuses on optimizing infrastructure efficiency, streamlining operations and ensuring that service levels are met across the enterprise.

In addition, companies that lack robust data archiving processes experience operational inefficiencies. You therefore risk reduced user productivity, while you also increase storage and backup costs. Organizations also require fast, easy access to archived email, files, and Microsoft™ SharePoint® content in support of high-volume discovery, regulatory compliance, and secure legal holds.

WHAT'S INCLUDED

The combination of components within Data Protection Suite Enterprise Edition delivers comprehensive data protection according to the requirements of your organization’s environment. Each product within Enterprise Edition delivers unique and industry-leading capabilities allowing for holistic management of SLAs and SLOs for corporate IT infrastructure. The following technologies are included in this offering:

Avamar

Dell EMC Avamar enables fast, efficient backup and recovery through its integration with Data Domain Boost as well as its integrated variable-length deduplication technology. Avamar is optimized for fast, daily full backups for virtual and physical environments, network-attached storage (NAS), enterprise applications (Microsoft, IBM Lotus, IBM DB2, Oracle, SAP, Sybase), remote offices and desktops/laptops. By deduplicating data with Data Domain Boost - identifying only unique daily changes - backup storage and network bandwidth consumption can be reduced by up to 99%. All data is always encrypted and compressed in-flight to meet security and compliance regulations. With Dell EMC Data Domain Cloud Tier, Avamar delivers highly efficient and secure long-term retention (LTR) of backups to Dell EMC Elastic Cloud Storage private cloud, the Virtustream Storage Cloud enterprise-class public cloud object-storage service, and a selection of additional public cloud offerings. Avamar configured with Data Domain Virtual Edition enables data protection of applications running in AWS and Azure. In addition, Avamar delivers disaster recovery to the public cloud. Avamar Virtual Edition (AVE) simplifies deployment of data protection within a Software Defined Data Center.

NetWorker

With enterprise-level performance and flexibility, Dell EMC NetWorker backup and recovery software centralizes, automates and accelerates data backup and recovery across your IT environment to protect critical business data in a fast, secure and easy to manage way.

With Data Domain Cloud Tier, NetWorker delivers highly efficient and secure long-term retention (LTR) of backups to Dell EMC Elastic Cloud Storage private cloud, the Virtustream Storage Cloud enterprise-class public cloud object-storage service, and a selection of additional public cloud offerings. NetWorker with CloudBoost also enables protection of enterprise applications in-cloud and direct-to-cloud via cloud object storage, which enables short-term backups for operational recovery and long-term backups for compliance. Whether for LTR, in-cloud backup or direct-to-cloud backup, these Dell EMC solutions provide the same enterprise-level user experience.

NetWorker Virtual Edition speeds deployment for the Software Defined Data Center. Available with your NetWorker license, it is a pre-configured virtual appliance optimized for backup and recovery performance.
ProtectPoint
Dell EMC ProtectPoint provides up to 20x faster, more efficient backup and 10x faster recovery while eliminating the backup impact on application servers. By integrating primary storage, applications and VMware hypervisor and industry leading protection storage, ProtectPoint reduces cost and complexity by eliminating traditional backup applications while still providing the benefits of native backups. Overall, ProtectPoint provides the performance of snapshots with the functionality of backups.

DD Boost for Enterprise Applications
Dell EMC DD Boost for Enterprise Applications leverages DD Boost technology for client-side deduplication to deliver 50% faster backups. DD Boost for Enterprise Apps also integrates directly with Oracle RMAN, Microsoft SQL Server, IBM DB2, SAP, and SAP HANA. So, application owners and database administrators have control and visibility of backup directly from their native application utility to a Data Domain system. This empowers applications owners with the control they desire to eliminate silos of storage for application protection.

RecoverPoint for Virtual Machines
Dell EMC RecoverPoint for Virtual Machines, a member of the RecoverPoint family, redefines data protection for VMware virtualized environments. It protects Virtual Machines (VM) at VM level granularity with local or remote replication for recovery to any Point-in-Time (PIT). It supports synchronous or asynchronous replication over any distance with efficient WAN bandwidth utilization, RecoverPoint for VMs simplifies Disaster Recovery, Disaster Recovery testing and Operational Recovery with built-in orchestration and automation capabilities directly accessible from VMware vCenter. It enables zero RPO to ensure business continuity and provides a reliable and repeatable automated DR workflow that increases customer's data protection and recovery operational efficiencies. This fully virtualized data protection product is built on the robust RecoverPoint engine.

AppSync
Dell EMC AppSync simplifies and automates the process of generating and consuming copies of production data. By abstracting the underlying EMC storage and replication technologies, and through deep application integration, AppSync empowers application owners to satisfy copy demand for data repurposing, operational recovery and disaster recovery using a single user interface. Storage administrators need only be concerned with initial setup and policy management, resulting in an agile, friction-less process.

Data Protection Advisor
With Dell EMC Data Protection Advisor, you can automate and centralize the collection and analysis of all data—and get a single, comprehensive view of your data protection environment and activities. With automated monitoring, analysis, and reporting across your backup and recovery infrastructure, replication technologies, storage platforms, enterprise applications and virtual environment, you will be able to more effectively manage service levels while reducing costs and complexity.

Enterprise Copy Data Management
As companies continue to move away from traditional server-centric backup designed around centralized control, and progress towards providing more modern data protection designed for self-service, storage, applications and copy data, can become challenging to track. This self-service model needs
intelligent, consolidated oversight of data and services levels across the business to ensure protection SLO compliance is met.

Enterprise Copy Data Management (eCDM) provides self-service data management with global oversight to maximize efficiency, streamline operations and ensure consistent service level compliance. Data Protection Suite for Applications can non-disruptively discover copies across the enterprise, automate protection SLO compliance and optimize operations based on actionable insight. eCDM will non-disruptively discover existing copies across primary and protection storage to gain consolidated oversight of what already exists in the environment. Non-disruptive discovery maintains self-service by enabling storage administrators and DBAs to continue creating copies from their native interfaces instead of inserting a solution into the copy data path. At the same time, oversight on copy data ensures that only the correct number of copies are stored on the right tiers of storage.

SourceOne for Emails, Files and Microsoft SharePoint

Dell EMC SourceOne is an industry-leading archiving and compliance solution that allows organizations to manage email, file and SharePoint efficiently and cost effectively. SourceOne gives organizations the full ownership and control over their information and provides customers the ability to reduce costs by reclaiming valuable primary data storage space, optimize server and operational performance, and meet company compliance.

ENABLING TECHNOLOGIES

CloudBoost

NetWorker with CloudBoost delivers highly-efficient, secure long-term retention of backups in private cloud through Dell EMC Elastic Cloud Storage, in public cloud through Virtustream Storage Cloud or other leading public cloud offerings. NetWorker with CloudBoost also offers protection of enterprise applications running in public cloud, as well as direct-to-cloud backup of on-premises workloads. The same solution supports cloud-based backup and recovery for both operational and long-term retention purposes and enables you to decide whether or not to retain on-premises copies of your backups. This cloud-enabled solution underscores Dell EMC’s commitment to protecting data across all consumption models.

Data Protection Search

Data Protection Search (DP Search) provides unified index, search and recovery capabilities that yield fast, specific and accurate results across NetWorker and Avamar. Once deployed, it can be accessed through common web browsers. DP Search provides the searcher the ability to quickly visualize and analyze search results through a simplistic Google-like search interface. Support is provided for both metadata only and full content indexing of backups, with the ability to restore search hits to the original client, an alternative clients of the same type, or a file system client.

COMPLETE ENTERPRISE PROTECTION

Enterprise organizations with at least 1 TB of protected capacity can choose to deploy Data Protection Suite Enterprise Edition components at your discretion, in any combination - and modify the mix over time as data grows and requirements evolve. As a result, you can effectively protect your
Data Protection Suite Enterprise Edition offers optional cloud data protection with MozyEnterprise® for secure sync, share, collaboration & real-time document protection for desktop and laptop users.

Also available as optional add-ons to Data Protection Suite Enterprise Edition are SourceOne Discovery Manager, which enables litigation and compliance readiness by providing legal search and hold of any content archived by SourceOne, and SourceOne Email Supervisor, which provides a simple, productive tool for monitoring email correspondence. SourceOne Email Supervisor also reduces liability risks including disclosure of intellectual property, lack of discretion, or unsatisfactory customer service interactions.

For a complete data protection solution, leverage the powerful combination of Dell EMC data protection software with protection storage. Experience reduced risk of data loss, industry-leading deduplication, and superior performance when using Data Protection Suite Enterprise Edition with Data Domain.

SIMPLICITY, FLEXIBILITY, AND INVESTMENT PROTECTION

Data Protection Suite Enterprise Edition is designed to provide options when it comes to protecting different environments.

Dell EMC delivers innovative end-to-end software and protection storage solutions that are designed to work together. Data Protection Suite Enterprise Edition provides you the freedom to purchase based on consumption and deployment models, allowing the migration of your data protection infrastructures to meet evolving backup and recovery, archiving and compliance requirements.

TAKE THE NEXT STEP

Contact your Dell EMC sales representative or authorized reseller to learn more about how the Data Protection Suite Enterprise Edition can benefit your organization.

Also, visit Data Protection Suite Enterprise Edition for more information.