

DELL EMC DATA DOMAIN SOFTWARE

ESSENTIALS

DD BOOST

- Advanced integration with leading backup and enterprise applications
- Boost file system plug-in for any workload
- Speeds backups up to 50%

DD CLOUD TIER

- Simple and efficient long-term retention to a public, private or hybrid cloud
- Natively-tier deduplicated data

DD REPLICATOR

- Reduce bandwidth requirements by up to 99%
- Replicate from up to 540 remote sites into a single system

DD EXTENDED RETENTION

- Provides cost-effective, long-term retention of backups

DATA DOMAIN CLOUD DISASTER RECOVERY

- low-cost disaster recovery to the cloud

Software Options for Dell EMC Data Domain Deduplication Storage Systems

Data Domain software enhances the value of Data Domain. With these advanced options, organizations can benefit from advanced integration with backup and enterprise applications, simple and cost-effective tiering to the public, private, or hybrid cloud for long-term retention, and network-efficient replication.

DATA DOMAIN BOOST

ADVANCED APPLICATION INTEGRATION

Data Domain Boost™ software provides advanced integration between leading backup and enterprise applications and Data Domain systems. With DD Boost, parts of the deduplication process are distributed to the backup server or application server, enabling client-side deduplication so only unique data segments are sent to the Data Domain system. This enables 50% faster backups and reduces network bandwidth requirements by 80 to 99%. DD Boost provides advanced load balancing and failover, which further improves throughput and resiliency. In addition, Data Domain systems can grant secure access to multiple DD Boost users per system for data protection-as-a-service in private and public cloud deployments. Providing DD Boost users secure access to their data lays the foundation for logical data isolation enabling secure multi-tenancy on a Data Domain system in DD Boost environments.

DD Boost also enables backup administrators to control replication between Data Domain systems providing administrators a single point of management for all backup copies. This also provides more flexible retention management by enabling backup administrators to set retention periods for each backup copy individually.

For applications not currently supported with DD Boost, Dell EMC offers Data Domain Boost file system plug-in known as BoostFS. BoostFS is cost effective and simple, and provides everything you would expect out of Data Domain Boost. BoostFS is supported for any application that supports NFS.

DATA DOMAIN CLOUD TIER

COST-EFFECTIVE LONG-TERM RETENTION TO CLOUD

Data Domain Cloud Tier provides best of breed technology that will allow businesses to gain the advantages of cloud while lowering overall TCO. With DD Cloud Tier, data is natively tiered to the public, private or hybrid cloud for long-term retention. Only unique data is sent directly from Data Domain to the cloud and data lands on the cloud object storage already deduplicated. With deduplication ratios of 10 – 30x, storage footprint is greatly reduced for cost-effective long-term retention in the cloud. DD Cloud Tier can scale up to 2x the max capacity of the active tier. With DD Encryption, data in the cloud remains secure. A broad ecosystem of backup and enterprise applications and a variety of public and private clouds are supported with DD Cloud Tier including Dell EMC Elastic Cloud Storage (ECS) and Virtustream Storage Cloud.

DATA DOMAIN REPLICATOR

NETWORK-EFFICIENT REPLICATION

Data Domain Replicator software provides automated, policy-based, network-efficient and encrypted replication for disaster recovery and multi-site backup and archive consolidation. DD Replicator software asynchronously replicates only compressed, deduplicated data over the WAN. Cross-site deduplication further reduces bandwidth requirements when multiple sites are replicating to the same destination system. With cross-site deduplication, any redundant segment previously transferred by any other site or as a result of a local backup or archive will not be replicated again. This improves network efficiency across all sites and reduces daily network bandwidth requirements up to 99% making network-based replication fast, reliable and cost-effective. In order to meet a broad set of DR requirements, DD Replicator provides flexible replication topologies, such as full system mirroring, bi-directional, many-to-one, one-to-many, and cascaded. In addition, customers can choose to replicate either all or a subset of the data on the Data Domain system. For the highest level of security, DD Replicator can encrypt data being replicated between Data Domain systems using the standard Secure Socket Layer (SSL) protocol.

DATA DOMAIN CLOUD DISASTER RECOVERY

LOW-COST DISASTER RECOVERY TO THE CLOUD

Data Domain Cloud Disaster Recovery with the Data Protection Suite, provides low-cost disaster recovery to the cloud by enabling organizations to protect their on-premise environments both in Data Domain and AWS S3. Data is sent securely and efficiently, requiring minimal compute cycles and footprint within AWS. In the event of a disaster, VM images can be restored and run from within AWS. There is no need to have compute resources running in the cloud until a failover occurs – delivering significant cost savings.

DATA DOMAIN EXTENDED RETENTION

LONG-TERM RETENTION OF BACKUP DATA

Data Domain Extended Retention software provides internal tiering for disk-based long-term retention of backup data on a Data Domain system to minimize reliance on tape. DD Extended Retention software provides a transparent separation of backup data with short-term and long-term retention requirements by storing it in different tiers on Data Domain systems – the active and retention tier. Long-term data access and recoverability is ensured through fault isolation. Specifically, when the retention tier reaches full capacity it will be sealed and becomes a self-contained unit to ensure long-term data preservation. As a result, in the event of a failure or catastrophe, the system continues to operate with all unaffected components.

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