

Simply powerful data protection at a lower cost-to-protect. Guaranteed.

Simple

- Integrated protection storage and software, search and analytics
- Easy to deploy, scale, and manage via single pane of glass
- Protects everywhere across the largest application ecosystem

Powerful

- Extends data protection to private and public clouds with Cloud Tier for Long-term Retention (LTR) and Cloud Disaster Recovery — with no additional hardware
- Reduces costs for LTR capacity management with space estimator tool
- Protection for modern applications and optimized for VMware virtual environments
- VMware File-level Recovery, dynamic policies for VMs, application-consistent VMW image backups
- Built on industry-proven Data Invulnerability Architecture (DIA)
- NVME flash-enabled for faster performance and instant recoverability
- Faster restore performance
- Full control of backup and recovery using application direct
- Automated monitoring, analytics, reporting, plus search capabilities

Lower Cost-to-protect

- Average 55:1 source side deduplication ratio¹
- Up to 98% less network bandwidth²
- Average cost is less than one half a penny per GB per month

Guaranteed

- Part of Future-Proof Loyalty Program for investment protection and peace of mind

DELL EMC INTEGRATED DATA PROTECTION APPLIANCE (IDPA)

Data protection is becoming more complex

Organizations need to efficiently protect an ever-increasing amount of data in a growing ecosystem of applications — all while improving time-to-value, reducing overall cost and complexity, and planning for growth. Organizations also need to seamlessly incorporate cloud into data protection strategies.

All of this is not easy to accomplish with many of today’s data protection solutions which require multiple products and multiple vendors—resulting in lengthy and time-consuming deployment and complex and expensive management of fragmented data protection environments.

Dell EMC IDPA: Simply Powerful Data Protection

IDPA is an integrated, turnkey solution that reduces the complexity of managing multiple data silos, point solutions, and vendor relationships. IDPA simplifies deployment and management—while delivering powerful, enterprise-data protection capabilities for small, mid-size and enterprise organizations at a lower cost-to-protect than competing solutions. It is a converged solution that offers complete backup, replication, recovery, deduplication, instant access and restore, search & analytics, tight VMware integration — plus, cloud readiness with disaster recovery and long-term retention to the cloud — all in a single appliance.

With IDPA, customers reduce time-to-protect with up to 10X faster deployment⁴ than traditional solutions. Organizations become more agile with a solution that’s fast — data is protected more efficiently and can be recovered quicker — and that is reliable.

Simple to deploy, scale and manage

IDPA enables organizations to protect the largest ecosystem of applications quickly with a single system management console, consolidating workload protection, and eliminating infrastructure or data sprawl. The easy-to-use IDPA System Manager simplifies backups and automates daily tasks, including monitoring, management, reporting, analytics, and search.

IDPA delivers converged data protection: protection storage and software, search and advanced monitoring and analytics, combined with cloud extensibility. It offers integration with VMware, SQL and Oracle native management tools so that admins can continue to use familiar UIs.

¹Based on Dell EMC internal analysis of customer data as of May 2018.

²Based on internal analysis, June 2018.

³ESG whitepaper commissioned by Dell EMC, "The Economic Value of Data Domain and Integrated Data Protection Appliances (IDPA)," where ESG analyzed hardware, software, power, cooling, and deduplication costs for 12 active Dell EMC customers, May 2018. Actual costs will vary.

⁴Based on Dell EMC internal testing, May 2018, compared to traditional deployments. Actual results will vary.





DELL EMC INTEGRATED DATA PROTECTION APPLIANCE

Density and performance

- Up to 3 PB (usable), 150 PB (logical) capacity with cloud tier
- Up to 40K IOPS for instant access and restore

Industry-leading efficiency

- Average 55:1 data deduplication rate
- Instant access and recoverability
- Up to 98% less bandwidth required

Enterprise applications

- Oracle, SAP, Microsoft Exchange, SharePoint, MS SQL Server, Sybase, MySQL, MongoDB, Pivotal Greenplum, IBM DB2, Lotus Notes, and more
- Hypervisors supported: VMware, Microsoft Hyper-V, and KVM
- All major file systems, including Windows, Linux, HP-UX, AIX, Solaris, Mac OS and more

Native Cloud-Tier

- Public, private, or hybrid
- Supported cloud providers include: Amazon Web Services, Dell EMC Elastic Cloud Storage, Microsoft Azure, VMware, IBM Cloud Object Storage, Google Cloud Platform, Alibaba Cloud, Ceph, and Virtustream

Native Cloud Disaster Recovery

- Orchestrated via Amazon Web Services or Microsoft Azure

Powerful cloud, performance and efficiency

IDPA can scale to fit the diverse needs of enterprises with the ability to protect up to 150 PB (logical) of data directly to the public, private, or hybrid clouds with native Cloud Tier, with no additional hardware. Plus, native Cloud DR with end-to-end orchestration allows enterprises to copy backed-up VMs from on-premises IDPA environments to the public cloud with AWS or Azure— with 3 clicks to failover and 2 clicks to failback.

IDPA provides support for modern applications like MongoDB and MySQL, and is optimized for VMware. It provides fast, single-step recovery of individual files, dynamic policies for VMs, as well as complete VMware images, which can be instantly accessed and migrated live from IDPA back to the production environment (using vMotion) while still running, further simplifying and optimizing VM recovery. Plus, instantly access up to 32 VMs with up to 40,000 IOPS.

Data protection search simplifies file-level-recovery (FLR) activities with an easy-to-use search interface. IDPA is also built on the industry-proven Data Involuntability Architecture (DIA), for encryption, fault detection, and healing.

With the power of NVMe flash and random IO performance of up to 40K IOPS, IDPA provides high performance for the strictest SLAs.

Lower Cost-to-protect

IDPA offers high-efficiency inline deduplication — with an average data deduplication rate of 55:1 — for data on premise and in the cloud. It uses up to 98% less network bandwidth and costs, on average, less than on half a penny per GB per month.³

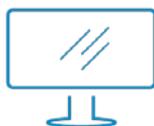
Dell EMC Integrated Data Protection Appliance Family

	DP4400	DP5800	DP8300	DP8800
Backup Ingest	Up to 9 TB/hr	Up to 32 TB/hr	Up to 41 TB/hr	Up to 68 TB/hr
Logical Capacity³	80 TB to 4.8 PB ¹ Up to 14.4 PB ²	960 TB to 14.4 PB ¹ Up to 43.2 PB ²	1.9 to 36 PB ¹ Up to 108 PB ²	6.2 to 50 PB ¹ Up to 150 PB ²
Usable Capacity	8 to 96 TBu ¹ Up to 288 TBu ²	96 to 288 TBu ¹ Up to 864 TBu ²	192 to 720 TBu ¹ Up to 2.16 PBu ²	624 TBu to 1 PBu ¹ Up to 3 PBu ²

¹ Total capacity on active tier only ²Total capacity with cloud tier add-on for long-term retention ³ Logical capacity based on 10x to 50x deduplication

Guaranteed

The Future-Proof Loyalty Program is designed to provide customers investment protection with a set of world class technology capabilities and programs that enable Dell EMC's Storage and Data Protection products to provide value for the entire lifetime of our customer's applications. For IDPA, this offer includes a guarantee for data protection deduplication rates ranging up to 55:1, a 3-year satisfaction guarantee, flexible cloud-enabled consumption, predictable support pricing and hardware investment protection at no additional cost with the purchase of ProSupport agreement – only from Dell EMC.



[Learn more](#) about Dell EMC IDPA



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[Learn more](#) about Future-proof Loyalty Program