

## Holistic data protection for the modern enterprise

### Converged and comprehensive

- Includes integrated protection storage, protection software, search, and analytics
- Protects across a broad and diverse application ecosystem
- Extends data protection seamlessly to private and public clouds

### Fast and modern

- Full control of backup and recovery using application direct
- Flash-enabled for faster performance and instant recoverability
- Protection for modern applications and optimized for VMware virtual environments

### High value and low TCO

- Industry-leading deduplication
- Lower TCO than leading integrated appliance competitor

# DELL EMC INTEGRATED DATA PROTECTION APPLIANCE

Pre-integrated protection storage and software for comprehensive, modern protection and faster time to value

## Data protection is becoming more complex

Organizations need to efficiently and effectively protect an ever-increasing amount of data from a growing ecosystem of applications. In addition, as ownership of data continues to transition from IT to the LOB owner, IT still needs to protect data at its source for compliance and security—all while improving time-to-value, reducing overall cost and complexity, and planning for future growth. And as organizations adopt cloud strategies to take advantage of agility, flexibility, and mobility, they need to seamlessly incorporate cloud into their data protection strategies.

All of this is not easy to accomplish with many of today's data protection solutions in which setup is often complex and there is often a need to deploy and manage multiple point solutions for different applications, platforms, or data silos. Managing multiple products (for example, backup software, backup servers, search servers, backup hardware) and multiple vendors can result in lengthy and time-consuming deployment and complex and expensive management of fragmented data protection environments.

## Dell EMC IDPA: Data protection without compromise

Dell EMC Integrated Data Protection Appliance (IDPA) is a pre-integrated, turnkey solution that is simple to deploy and scale, provides comprehensive protection for a diverse application ecosystem, and comes with native cloud tiering for long-term retention. IDPA combines protection storage, protection software, search, and analytics to reduce the complexity of managing multiple data silos, point solutions, and vendor relationships.

With IDPA, you reduce time-to-protection and achieve faster time-to-value with up to 10 times faster deployment. You become more agile with a solution that's fast—data is protected more efficiently and can be recovered quicker—and that is reliable with industry-proven data invulnerability architecture. And, you get the high value and low TCO you expect from Dell EMC—the number one data protection provider.

### Converged and comprehensive

IDPA enables organizations to protect a diverse ecosystem of applications quickly with a single system, consolidating workload protection and eliminating infrastructure sprawl. It delivers converged data protection,





## DELL EMC INTEGRATED DATA PROTECTION APPLIANCE

### Density and performance

- Up to 3 PB (usable), 150 PB (logical) capacity with cloud tiering
- Up to 10K IOPS powered by flash

### Industry-leading efficiency

- Average 55:1 data deduplication rate
- Instant access and recoverability

### Enterprise applications

- Oracle, SAP, Microsoft Exchange, SharePoint, SQL Server, Sybase, MySQL, MongoDB, Hadoop (Cloudera, Hortonworks), Pivotal Greenplum, IBM DB2, Lotus, and more
- Hypervisors: VMware, Microsoft Hyper-V

### Native cloud-tiering

- Public, private, or hybrid
- ECS, Virtustream, Azure, Amazon

Supports Data Domain Cloud DR (DD CDR) to allow enterprises to copy backed-up VMs from their IDPA environments to the public cloud (AWS) and to orchestrate DR testing to prepare for potential disaster scenarios, failover to cloud in the event of a disaster and failback of cloud workloads following a disaster scenario. Extension of the existing data protection from the customers' premises to the cloud provides a familiar user experience, thus requiring minimal education and training. Additional benefits of the Data Domain Cloud DR include minimal cloud footprint (no additional compute is required during routine replication, and minimal compute is required in case of test or recovery), and orchestrated recovery and failback of workloads.

\*Available as an add-on; Not an integration

including protection storage, protection software, search, and advanced monitoring and analytics. It can also scale to fit the diverse needs of enterprises and eliminate the need for tape backups with the ability to protect up to 150 PB of data directly to the public, private, or hybrid cloud with native cloud tiering.

IDPA also expands capabilities with comprehensive diagnostic, predictive, and prescriptive analytics to help organizations better manage their current environment and more efficiently plan for the future.

### Fast and modern

IDPA is an innovative solution that provides support for modern applications like MongoDB, Hadoop, and MySQL, and is optimized for VMware. It's also built on industry proven data invulnerability architecture (DIA), delivering encryption, fault detection, and healing.

With the power of flash and random IO performance of up to 10K IOPS, IDPA provides up to 20 percent higher performance than the closest competition. It also provides fast, single-step recovery of individual files, as well as complete VMware images, which can be instantly accessed and live migrated from IDPA back to the production environment (VMotioned) while still running, further simplifying and optimizing VM recovery.

### High value and low TCO

IDPA comes with the highest efficiency inline deduplication—with an average data deduplication rate of 55:1—for data on premise and in the cloud, to reduce both storage footprint and overall TCO.

IDPA is designed to grow with your needs. Entry-level configuration starts at 34 TB and the high-end configuration scales up to 1 PB usable capacity. With typical deduplication and cloud tiering, the capacity for all configurations can increase significantly, all the way up to 150 PB with the DP8800. That's four times the capacity of the closest competition—enough to satisfy the needs of almost any enterprise.

**Dell EMC Integrated Data Protection Appliance**  
Data protection innovation without compromise

	Midsize Enterprise		Large Enterprise	
	DP5300	DP580	DP8300	DP880
Backup ingest	24 TB/hr	32 TB/hr	41 TB/hr	68 TB/hr
Logical	1.8–8.9 PB	2.8–14.4 PB 8.4–43.2 PB	7.2–36 PB 21.6–108 PB	10–50 PB 30–150 PB
Usable	34 TB to 130 TB	144 TB to 288 TB Up to 864 TB	192 TB to 720 TB Up to 2.16 PB	624 TB to 1 PB Up to 3 PB



[Learn more](#) about Dell EMC Data Domain



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