

# WHY DELL EMC INTEGRATED DATA PROTECTION APPLIANCE

This handout overview provides an overview of the advantages of Integrated Data Protection Appliance.

Dell EMC has the most comprehensive data protection portfolio in the industry, including our leading Data Domain platform of hardware & software offerings and our comprehensive Data Protection Suite that offers traditional backup, cloud backup, snapshot protection, and disaster recovery all in one package. The new Integrated Data Protection Appliance (IDPA) is a great addition to this portfolio and provides 90% faster box-to-backup than traditional deployments. In addition, Dell EMC also offers Data Management products that are all about self-service, enabling protection Service Level Objectives and analytics, and In-Cloud protection offerings for SaaS protection, traditional app protection, and protection of data on devices such as mobile phones, desktops and laptops. It's a broad portfolio that enables our customers to cover all their Data Protection needs all in one place.

Organizations need to efficiently and effectively protect an ever-increasing amount of data from a growing ecosystem of applications, users, and devices. 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.

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. Organizations gain business agility with a solution that is fast—data is protected more efficiently and can be recovered quicker—and that is reliable with industry-proven data invulnerability architecture. IDPA combines protection storage, protection software, search, and analytics to reduce the complexity of managing multiple data silos, point solutions, and vendor relationships—delivering the high-value and low TCO organizations expect from Dell EMC—the #1 data protection provider.

## Proven technology - Four configurations for mid-market to enterprises

Dell EMC solutions are number one in the data protection software and storage market. More people choose—and trust—Dell EMC to protect their data over other companies.

	MIDSIZE ENTERPRISE		LARGE ENTERPRISE	
	DP5300	DP5800	DP8300	DP8800
<b>BACKUP INGEST</b>	24 TB/hr	32 TB/hr	41 TB/hr	68 TB/hr
<b>LOGICAL CAPACITY</b>	340 TB to 6.5 PB <sup>1</sup>	1.4 to 14.4 PB <sup>1</sup> 4.2 to 43.2 PB <sup>2</sup>	1.9 to 36 PB <sup>1</sup> 5.7 to 108 PB <sup>2</sup>	6.2 to 50 PB <sup>1</sup> 18.6 to 150 PB <sup>2</sup>
<b>USABLE CAPACITY</b>	34 to 130 TBu <sup>1</sup>	144 to 288 TBu <sup>1</sup> Up to 864 TBu <sup>2</sup>	192 to 720 TBu <sup>1</sup> Up to 2.16 PBu <sup>2</sup>	624 TBu to 1 PBu <sup>1</sup> Up to 3 PBu <sup>2</sup>

<sup>1</sup> Total capacity on active tier only

<sup>2</sup> Total capacity with cloud tiering add-on for long-term retention

# WHY INTEGRATED DATA PROTECTION APPLIANCE

IDPA delivers converged data protection—including protection storage, protection software, search, and advanced monitoring and analytics. It enables organizations to protect a diverse ecosystem of applications with a single system—all while improving business agility at a lower TCO.

While many data protection solutions focus on a few applications or platforms, IDPA data protection provides broad application coverage, combined with unique application integration, automation, and optimization services. With comprehensive physical and virtual workload ecosystem coverage, IDPA enables customers to consolidate their workload protection and eliminate silos, inefficient data, and infrastructure sprawl.

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 native cloud tiering for long-term retention, 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.

With the power of flash and up to 10K IOPS and advanced application integration, IDPA is optimized for faster performance and instant recoverability, providing up to 20 percent higher performance than the closest competition. With an average data reduction rate of 55:1, IDPA also comes with the most efficient inline deduplication for data on premise and in the cloud to reduce both storage footprint and overall TCO.

IDPA simplifies management with comprehensive analytics that provide diagnostic, predictive, and prescriptive analysis to help more efficiently and cost effectively plan for the future.

## Integrated Data Protection Appliance advantages

### Converged and Comprehensive

*Simplify Your Environment and Get Protected in Hours*



- 10 times faster time-to-protect with integrated protection storage, protection software, search, and analytics
- Broad and diverse application ecosystem protection
- Extend data protection to private and public clouds

### Fast and Modern

*High-Performance Protection for Today's and Tomorrow's Workloads*



- Full control of backup and recovery using application-direct
- Faster performance and instant recoverability with flash
- Protection for modern applications (MongoDB, Hadoop, MySQL, and many others) and optimized for virtual environments (VMware, Hyper-V)

### High Value and Low TCO

*Get Peace of Mind Without Breaking the Bank*

**#1**

- Industry-leading deduplication with an average 55:1 data reduction rate
- Lower TCO than the leading integrated appliance competitor
- Up to 4 times more scalable than the leading competitor



[Learn more](#) about Dell EMC IDPA solutions



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