**DELL**Technologies

# Dell PowerProtect Appliances and Software

Take Control of Your Cloud with Proven and Modern Cloud Data Protection

Dell proven and modern data protection solutions deliver comprehensive coverage to protect your data across the edge, core and cloud. From business-critical applications to VMware environments to new Kubernetes workloads to cybersecurity and hybrid multi-cloud protection, Dell Technologies can protect your data now and into the future. From integrated and target appliances to software defined solutions, we provide a one stop shop for all of your cloud data protection needs.

Over **1,500** companies trust Dell Technologies to protect their data in the cloud[1]

**10.3 EB** of data protected in the cloud[2]

## Cloud First

More and more organizations are taking a ***cloud-first*** approach for deploying new business applications and are running a wide variety of workloads in both the public and private cloud.

Dell Technologies surveyed 1,000 IT decision makers across 15 countries in the new Global Data Protection Index 2020 Snapshot and found that:

71% cite the cloud as the preferred destination for deploying new business application workloads.[3]

OVER 88% respondents are running or plan to be running in the public cloud.[3]

Yet, still there is evidence that many organizations are struggling with data protection and leaving their data vulnerable and unprotected.

The study also found that:

> More than half are struggling to find data protection solutions for cloud-native and SaaS applications and containers.

> A similar proportion utilize backup tools available from their cloud service provider or tools that they currently operate on-premises.

> 63% of those say their cloud service provider protects their cloud-based workloads but do not actually have a contract to protect all those workloads.

If you're going to send data to the cloud, you need to be smart about how you protect your investments and data in the cloud. Data protection that you can trust is critical to deploying multiple clouds that drive digital transformation. It's no surprise that increasingly customers are turning to Dell Technologies to deliver that peace of mind.

> ## "Cloud-based data protection is a good way to optimize both costs and disaster recovery capabilities."
>
> *Christophe Bertrand, Senior Analyst, ESG*

The cloud is already helping many customers of all sizes to simplify IT, increase flexibility and scale and lower costs for data protection.

You can do it too! Adopting cloud as part of your overall IT strategy can make it easier for you to:

- > increase business agility
- > ensure business continuity
- > accelerate time-to-market
- > reduce business risk
- > reduce TCO
- > maintain regulatory compliance

**That's a lot of goodness.**

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Our customers are already leveraging the goodness of data protection appliances and software.

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> ## "We send everything to the cloud using Dell Disaster Recovery and Cloud Tier for long-term retention, saving 8-10 hours a week and giving us more assurance that our backups work because we can test them more frequently."
>
> *Brit Anderson, Supervisor, Systems Administration, Christian Brothers University*

> ## "Building on the great experience we've had with Dell Technologies, the Dell PowerProtect DD series appliances delivers the performance and efficiency we need to keep pace with data growth and availability requirements."
>
> *Mark Bowen, senior storage architect, Government Nova Scotia*

# Christian Brothers University saves time and money with cloud data protection

Because of federal regulations and ongoing research projects, keeping student records and research data safe is paramount for Christian Brothers University. However, to ensure that this data is secure and to keep pace with data growth, they have had to overcome several challenges, including managing three separate backup vendors, handling rising costs as their data grew, and spending time recovering data and fixing problems when things didn't work.

When they decided to modernize, they considered other solutions but decided to move to a data protection appliance. The Dell appliance was the ideal solution to simplify management, improve storage efficiency, lower costs, and also to help them leverage the cloud for long-term retention and disaster recovery. Today, their staff has one central management interface, automated protection of their VMware environment and they are saving time and money with a cloud-enabled data protection solution.

[Watch Video](#)

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"Our dedupe rate is 84:1. Once you see that dedupe and compression, it's hard to go anywhere else."

*Brit Anderson, Supervisor, Systems Administration, Christian Brothers University*

# Are you ready to take control of your cloud?
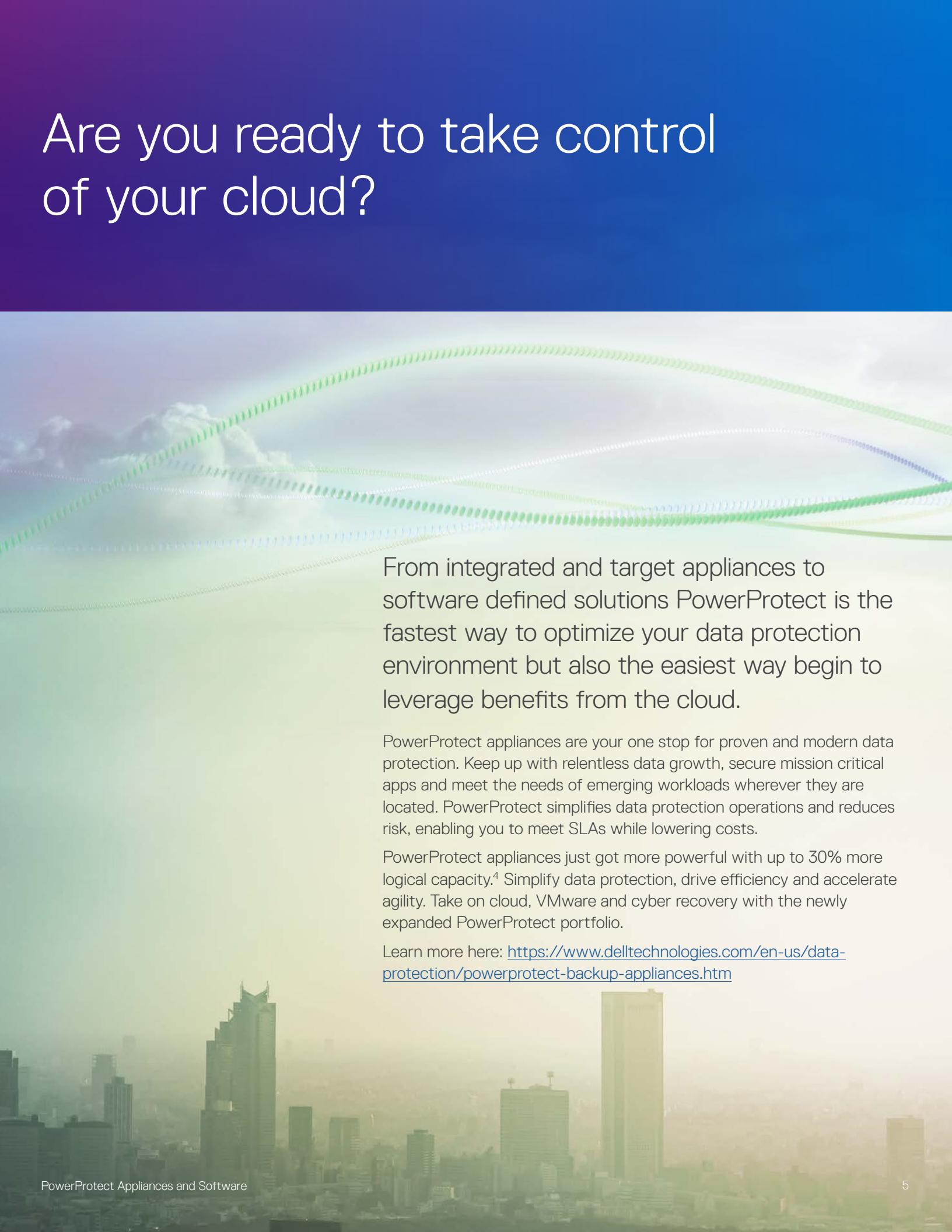
From integrated and target appliances to software defined solutions PowerProtect is the fastest way to optimize your data protection environment but also the easiest way begin to leverage benefits from the cloud.

PowerProtect appliances are your one stop for proven and modern data protection. Keep up with relentless data growth, secure mission critical apps and meet the needs of emerging workloads wherever they are located. PowerProtect simplifies data protection operations and reduces risk, enabling you to meet SLAs while lowering costs.

PowerProtect appliances just got more powerful with up to 30% more logical capacity.[4] Simplify data protection, drive efficiency and accelerate agility. Take on cloud, VMware and cyber recovery with the newly expanded PowerProtect portfolio.

Learn more here: https://www.delltechnologies.com/en-us/data-protection/powerprotect-backup-appliances.htm

# Get a Dell appliance and software and check every cloud data protection box.

PowerProtect appliances and software provide powerful protection for all of your data across cloud, core and edge – providing a powerful, simple recovery solution for your data everywhere – all with a single appliance.

With a PowerProtect appliance you can:

- ✓ **Reduce storage costs**
  with source and target deduplication
- ✓ **Shrink backup windows**
  with fast, reliable backups and reduced bandwidth requirements
- ✓ **Keep up with data growth**
  Scale to 1.5PB of usable capacity
- ✓ **Ensure compliance**
  with proven, reliable backup and recovery
- ✓ **Leverage modern technologies**
  such as cloud disaster recovery and cyber recovery

Benefit from efficient cloud protection with next-gen hardware for faster backups and recoveries

## Need more reasons to choose a PowerProtect appliance

1  **Powerful integrated cloud capabilities**

PowerProtect appliances provides modern and powerful cloud data protection, allowing you to leverage the benefits of your multi-cloud, hybrid cloud or private cloud environments.

## Cloud Long-term Retention

› No cloud gateway needed

› Manage up to 2x usable capacity in the cloud

› Compressed, deduplicated data sent to cloud to minimize costs

› **Cloud long-term retention (LTR):** Customers can leverage cloud environments to accelerate their tapeless journey, improve long-term data retention efficiencies or manage governance and compliance policies. With Dell industry-leading deduplication, enterprises can expand usable capacity up to 2x in the cloud, in addition to the original physical usable capacity of the appliance.



## Cloud Disaster Recovery

› Orchestrated DR with 3 clicks failover and 2 clicks failback[5]

› Copy directly on AWS S3, VMware Cloud on AWS, or Azure

› Minimize costs by only using compute in failover or DR testing

› Data is compressed and deduplicated to ensure a minimal cloud footprint

› Integrate with on-premises data protection and VMware vSphere

› **Cloud disaster recovery:** Recover to the cloud with integrated cloud disaster recovery and eliminate the need for a secondary site. End-to-end orchestration makes it easy for VMs to be copied to object storage within Amazon Web Services (AWS), Azure and VMware Cloud on AWS public clouds for minimal cost and cloud footprint. Failover in 3 clicks and failback in 2 clicks from the public cloud for rapid recovery. Plus, use Cloud DR to test and validate your cloud DR plan and gain confidence in your DR approach, in case the unimaginable does happen.



**AWS or Azure as DR Site**

**Integrated Cloud DR**

**Protect in AWS, Azure or VMware Cloud on AWS**

3 clicks **to failover**

2 clicks **to failover**

› Dell appliances and software are built for VMware. VMware virtual machines can failover directly to VMware Cloud on AWS S3 – making it simpler and less time-consuming to manage. Users can run their VM environments on-demand in native VMware interfaces, minimizing downtime when disaster strikes. Familiar interfaces help you failover to AWS with just three clicks...run your environment in the cloud...then failback in only two clicks.

> "Cloud disaster recovery is important when we start to talk about cost. Traditionally you have to have appliances and multiple data centers. By having it in the cloud, that's one more thing you've taken off our plate and that has true value."

*IT Manager, The Vollrath Company*

[Watch Video](#)

## Powerful performance and efficiency:

› Up to 38% faster backups and up to 45% faster restores[6]

› UP to 100,000 IOPS and up to 64 VMs[7]

› Up to 65x deduplication[8]

2. **Powerful performance and efficiency for modern workloads**

Dell PowerProtect appliances and software provide support for modern applications – such as MongoDB and MySQL – and are optimized for VMware. As more users adopt multi-cloud environments, Dell Technologies' deep integration with VMware becomes fundamental, providing the best user experience with automation and orchestration, across the entire VMware stack. Dell Technologies offers a cloud-native data protection solution designed from the ground-up to protect Kubernetes, virtualized, and traditional bare metal application environments. Dell has also integrated with Project Velero, a backup and recovery tool for Kubernetes clusters. Building on Velero, Dell provides the proven enterprise-grade solution required for modern environments today. PowerProtect Cyber Recovery protects and isolates critical data from ransomware and other sophisticated threats. Machine learning identifies suspicious activity and allows you to recover known good data and resume normal business operations with confidence.

3. **Low cost-to-protect**

› Less than 1 Cent GB/per month cost to protect[9]

› 22% reduction in data protection admin costs[9]

› 84% reduction in cloud resources and services costs[9]

› 98% reduction in consumed storage resources[9]

4. **More choice, flexibility and assurance in how you consume IT infrastructure with Dell Technologies APEX**

Dell Technologies APEX is our breakthrough portfolio of as-a-Service offerings that simplify digital transformation by increasing IT agility and control. It transforms the technology experience, delivering as-a-Service wherever it is needed so organizations can focus less on managing infrastructure and more on running their business.

# Dell Data Protection Appliances and Software

## Protect your business with a solid foundation of data protection.
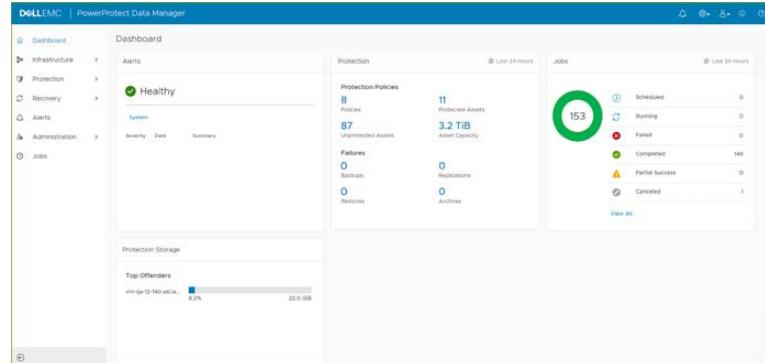




Your ultimate choice in cloud data protection. Today's digital economy demands that organizations look at new ways to accelerate IT transformation to drive better business outcomes, whether that's to become more competitive, create new revenue streams, or increase operational efficiency. To achieve this, you need to protect your business with a solid foundation of data protection that keeps pace with unrelenting data growth, emerging workloads, and data distributed across edge, core, and cloud – all while ensuring your existing mission-critical applications and infrastructure are secure.
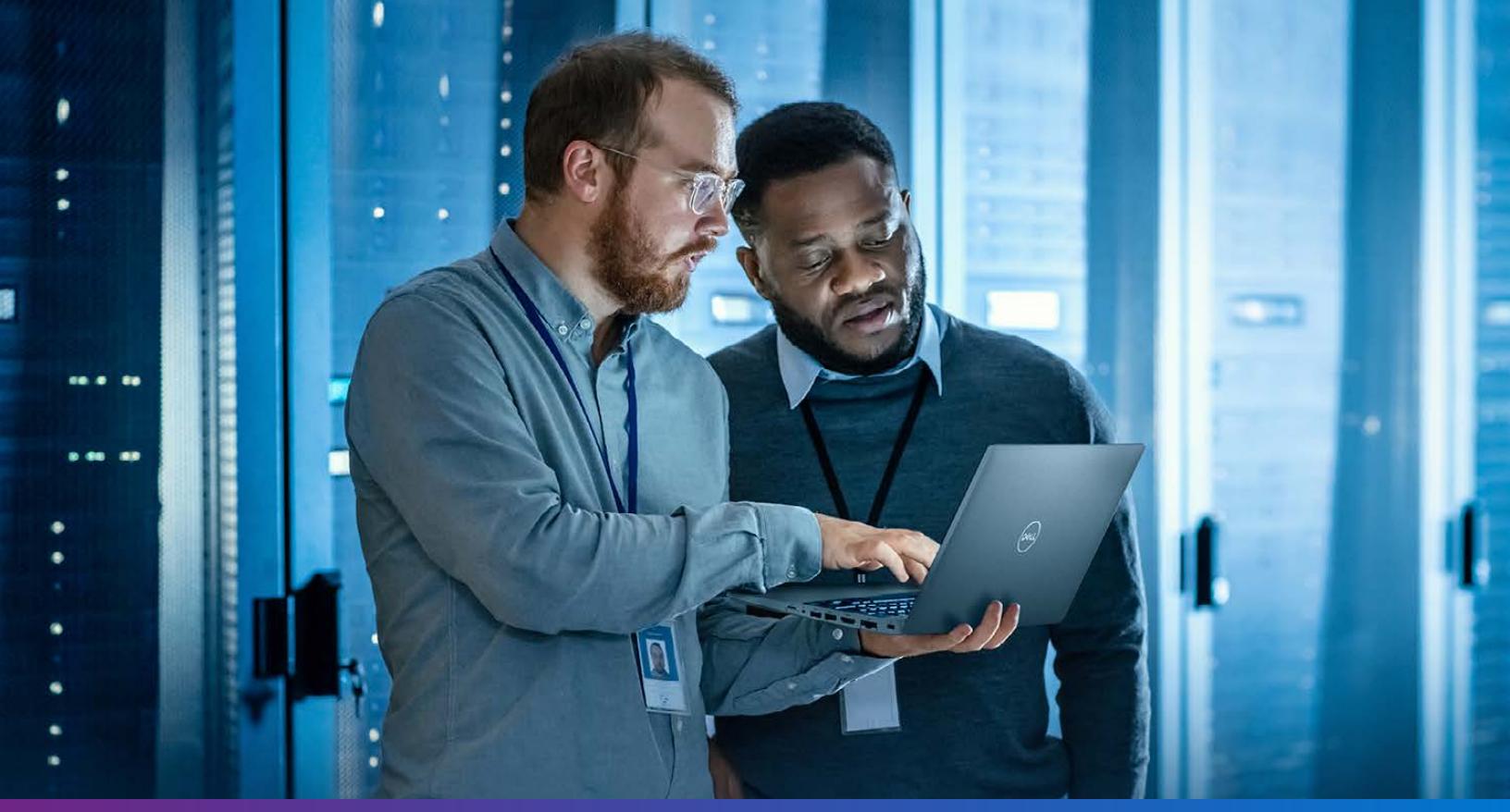
# Pair Dell data protection appliances with the power of the broad Dell Technologies portfolio to accelerate your onramp to cloud even further.

## In Cloud Data Protection

Moving production applications to the cloud means that you'll need cloud hosted data protection to support these applications in the same way they were protected on-premises. Dell Technologies offers data protection software and virtualized appliances to support familiar data protection workflows in the cloud. PowerProtect DD Virtual Edition (DDVE) is a software-defined version of PowerProtect DD series appliances. It is designed for cloud environments and gives you the same benefits as the physical appliances including data deduplication, replication, data integrity, and encryption. Protect your data with confidence in AWS, Azure, AWS GovCloud, Azure GovCloud, Google Cloud Platform and VMware clouds.

## Dell Technologies Cloud

Leverage Dell Technologies Cloud with simplified management for a consistent experience. This allows you to increase business agility, accelerate time to market, improve cloud economics and reduce business risk. Data protection workflows remain consistent across your cloud continuum.

Dell and VMware are committed to delivering jointly engineered products, making it easier for you to protect and recover your data and IT investments along your cloud journey.

# Take Control of Your Cloud

## Dell data protection appliances deliver the simplest and fastest path to cloud-based data protection.

With Dell integrated appliances you will reap all the benefits of Dell enterprise data protection with simple-to-deploy, simple-to-manage, cloud-ready all-in-one appliances.

Get ready. Buckle up. The onramp to cloud is FAST and simple with Dell integrated appliances.

### Take control of your cloud

1. **Speed and scale for multi-cloud**
   Ramp up your business results with cloud agility for backup, disaster recovery and long-term retention.

2. **Multi-cloud simplification and automation**
   Simplify deployment and management with cloud-enabled data protection solutions that delivers integrated cloud capabilities and seamless integration with VMware.

3. **Efficiency and cost-savings**
   Reduce costs with integrated cloud capabilities (no additional hardware required) and Dell deduplication for the smallest cloud footprint possible.

4. **Leverage the power of Dell Technologies extended client, server, storage and data protection portfolio.**
   Simplify your IT purchases, maximize the return on your investment, and gain a single point of support for all your software and hardware. This includes Dell Technologies APEX which delivers an end-to-end portfolio of consumption-based and as-a-service solutions for the way on-premises infrastructure and services are consumed today.

## Want to learn more?

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