

# Simplify Multicloud Management

with Dell PowerProtect Data Protection and VMware Cloud Foundation on Dell VxRail



Get unique automation and orchestration to simplify deployment and management of your VMware multicloud.

**SIMPLIFY →**

# All-in-one VMware Multicloud Data Protection

## Simple. Efficient. Resilient.

Our all-in-one multicloud protection is designed for simplicity, performance, and security. It's a simple and direct path to a protected multicloud, made possible through joint innovation with VMware.



PROTECT  
ALL YOUR  
WORKLOADS

PROTECT YOUR  
MULTICLOUD  
INFRASTRUCTURE

PROTECT FROM  
CYBER EVENTS



 HINT: CLICK TO  
DISCOVER MORE



# Protect All Your Workloads

Dell PowerProtect Data Manager simplifies and automates data protection of your modern and traditional workloads with easy-to-use blueprints. Unique integration delivers simplified self-service data protection and administration through the VMware interfaces you already know. In addition, vAdmins take control of the data protection of their applications using native VMware interfaces.

PROTECT ALL YOUR WORKLOADS

BLUEPRINTS LEVERAGING vREALIZE

TRANSPARENT SNAPSHOTS

STREAMLINE KUBERNETES MANAGEMENT

PROTECT YOUR MULTICLOUD INFRASTRUCTURE

PROTECT FROM CYBER EVENTS



Easy-to-use blueprints leveraging vRealize

**76%**

Reduction in backup and restore times<sup>1</sup>



Transparent Snapshots

**85%**

Faster recovery in the event of a disaster<sup>1</sup>



Self-service automation streamlines Kubernetes management

**22%**

Reduction in data protection administration costs<sup>1</sup>





# Blueprints Leveraging vRealize

Dell PowerProtect Data Manager automates your data protection using the VMware interfaces you already know. Compare the two ways to protect your workloads, then see how Dell Digital made the journey.

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## The Hard Way

## The Easy Way

## The Dell Digital Story

This confusing, build-your-own way to manage workload protection is sub-optimal because it:



Requires **multiple vendors**, adding **risk** and **costs**



**Complicates** the process



Has **less automation** and requires **more manual processes**



**Slows** backups and recoveries



**Increases** your cost to protect





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## The Hard Way

Simplify Kubernetes management with three levels of automation with customizable blueprints that are:

- 1 SLO-focused
- 2 Simple
- 3 Consistent

## The Easy Way

## The Dell Digital Story

No matter which level of automation you go with, the benefits are the same:

- ✓ Familiar native VMware interfaces
- ✓ One data protection solution for all consumption models
- ✓ Fewer data silos
- ✓ Less risk of data loss
- ✓ Improved, consistent recovery
- ✓ Less time wasted on day-to-day management
- ✓ Minimize policy errors
- ✓ Help ensure business continuity





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## The Hard Way

## The Easy Way

## The Dell Digital Story

**Dell Digital** was able to simplify and securely protect their Tanzu Kubernetes environment with:

- PowerProtect Data Manager with Transparent Snapshots
- PowerProtect Cyber Recovery
- PowerProtect Data Protection appliances

**This gave them:**

- Single-source VM, app, and container protection
- App consistency and cloud-native mobility
- Fast, self-service, template-driven backups
- Crash-consistent backups with no vProxies
- Intelligent cyber recovery with isolation and immutability

The results:





# Transparent Snapshots

Transparent Snapshots, available with Dell PowerProtect Data Manager, is a new VM image method that eliminates application disruption during VM backups—and it protects both workloads and the underlying VCF management components.

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Protect VM Backups  
at Scale



Eliminate the need to pause VMs during backup, significantly boosting performance

Boost VM Backup  
Performance



Simplify VM image  
backup and recovery

Reduce Costs and  
Simplify Performance





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Boost VM Backup  
Performance

Reduce Costs and  
Simplify Performance



Near-zero impact to  
VMs or environment



Up to 5x faster  
backups<sup>2</sup>



Up to 6x faster  
restores<sup>3</sup>



Up to 5x reduction  
in VM latency<sup>4</sup>







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Reduce Costs and  
Simplify Performance



Zero proxies for  
data movement



Storage agnostic



Auto-scaling without  
proxies or additional  
impact to host



Direct data transfer  
to PowerProtect  
appliances





# Streamline Kubernetes Management

A patent-pending application consistency framework streamlines management with self-service, template-driven backups. It's as easy as 1-2-3.

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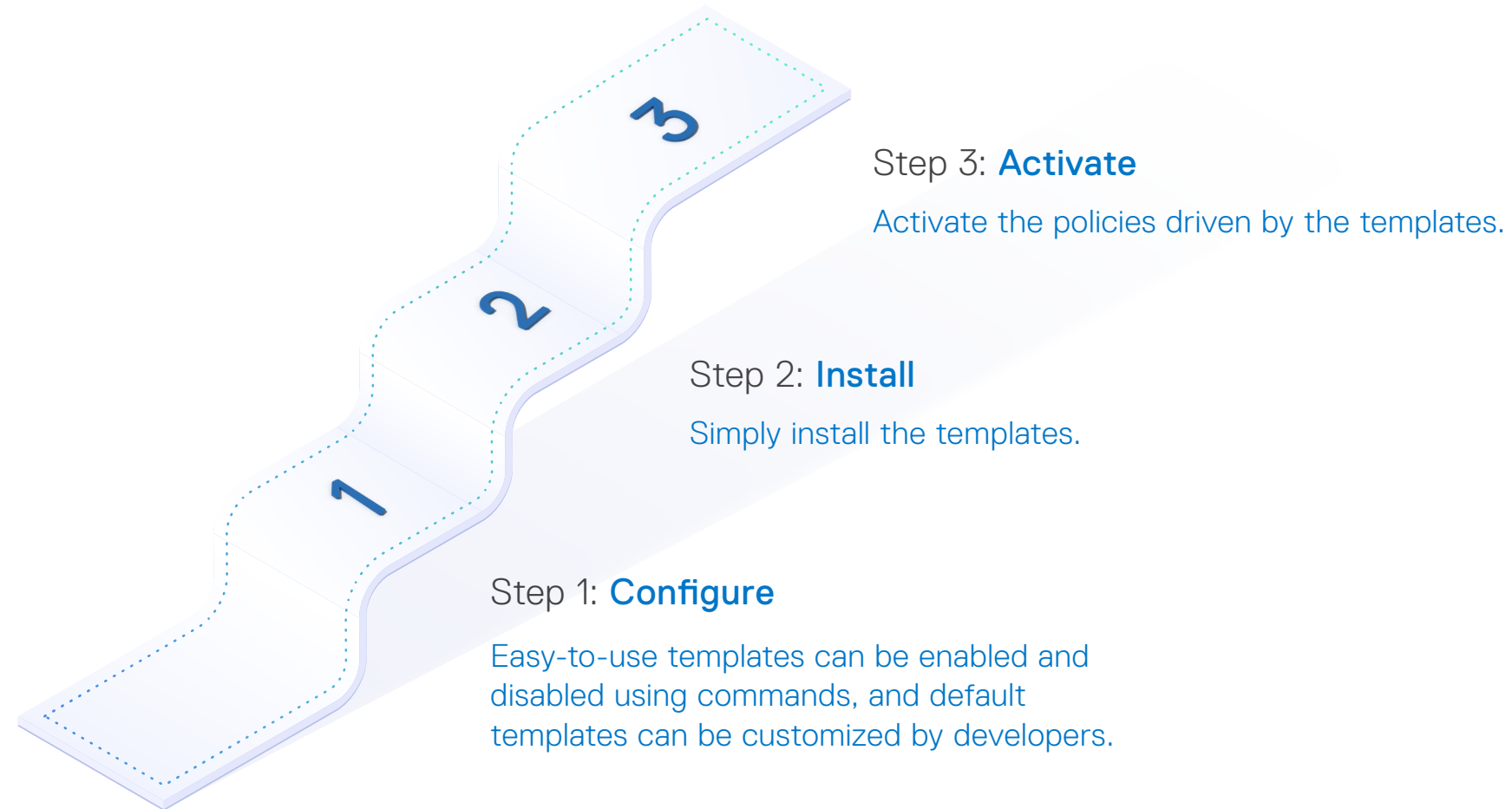
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# Protect Your Multicloud Infrastructure

With PowerProtect data protection, you can stand up your entire environment faster after downtime by rebuilding with your original VCF on VxRail configurations. Alternative solutions require you to manually create and maintain scripts and policies to recover the VCF and VxRail platforms. But with VMware-certified PowerProtect data protection, automation simplifies the recovery process and gets your platform infrastructure up and running faster. And remember: The management domain is the heart of any SDDC stack because it hosts the entire management infrastructure. So it's critical to protect the management domain to ensure business continuity. Once you explore this comparison, your choice will be easy.

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## The Slow Way to Recover

## The Fast Way to Recover

When business is down, the last thing you need is a slow, manual road to recovery to add to all your stress. The slow way requires you to:



**Select** an orchestration tool



**Read documentation** of infrastructure providers



**Maintain and upgrade** the code for release dates



**Define** your SLOs



**Write code** to integrate the tool between all providers





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## The Slow Way to Recover

Ours is the first VMware-certified solution for VCF management domains, so you can:

- ✓ **Recover faster** with unified, full-stack recovery
- ✓ **Stand up** VCF on VxRail **faster** after downtime
- ✓ **Rebuild** with original VCF on VxRail configurations

## The Fast Way to Recover

**Single runbook recovery is much faster. All you have to do is:**

- 1 Stand up VxRail
- 2 Orchestrate to restore VCF configurations to original state
- 3 Go about your business





# Protect From Cyber Events

Over the past six years helping customers protect their critical data and recover their businesses following a cyber attack or ransomware incident, we've found there are three key characteristics of a solid cyber recovery solution. These three components working collectively within an integrated solution give you the best possible chance to recover vaulted data with integrity and confidence should an attack penetrate the data center. Those that offer one or two of these, while useful, should not be expected to provide the same levels of protection of critical data when faced with a sophisticated attack that impacts production, backup, and perhaps DR.

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## Immutability

Although the market disagrees on a standard definition, Dell defines immutability as hardware and/or software, in addition to additional controls, that ensure the original integrity, confidentiality, and availability of the vault data is preserved.

**YOU SHOULD KNOW:** Storing backups in some immutable form provides an incremental amount of protection over non-immutable backups, but this feature alone will not withstand insider-credentialed attacks or NTP attacks. These fool many software-defined storage systems into releasing the retention period, believing it had expired due to cyber criminals tampering with the NTP setting.

## Isolation

## Intelligence





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**Immutability**

**Isolation**

**Intelligence**

Physical (via a locked room on-prem, in an off-prem or cloud-based vault) and Logical (data and management path, command and control access) separation of the cyber recovery vault from the attack surface of production and backup infrastructure.





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**Immutability**

**Isolation**

**Intelligence**

Applying innovative, comprehensive tools and analytics, machine learning, and AI within the security of the vault to identify potential cyber threats or corruption and to help ensure vaulted data is recoverable.





Protecting VMware workloads in a multicloud world is simple and secure with the jointly engineered automation and orchestration of Dell PowerProtect Data Protection and VMware Cloud Foundation on Dell VxRail.

See how you can start simplifying your VMware multicloud at [dell.com/vmwareprotection](https://dell.com/vmwareprotection)

VISIT OUR SITE →

