

# Dell PowerProtect Data Manager

Cloud-native cyber resilience



PowerProtect Data Manager delivers enterprise cyber resilience for Nutanix Kubernetes Platform through standardized Cloud Native Computing Foundation (CNCF) conformant interfaces. Organizations gain policy-driven protection for cloud-native workloads without proprietary dependencies or vendor lock-in, enabling consistent governance across containerized applications.

Standard Kubernetes API integration provides automated discovery of clusters, namespaces and persistent volumes with centralized policy management. Backup data flows efficiently to PowerProtect Data Domain with DDBoost client-side deduplication, reducing network overhead and storage costs. Immutable storage with retention lock prevents ransomware encryption or deletion, while PowerProtect Cyber Recovery provides isolated vault capabilities for validated recovery after cyber events.

## Overview

PowerProtect Data Manager extends enterprise cyber resilience to Nutanix Kubernetes Platform, protecting cloud-native applications through Cloud Native Computing Foundation (CNCF) conformant standards without vendor lock-in. Automated discovery of clusters, namespaces and persistent volumes enables policy-driven backup and recovery with centralized governance, while immutable storage and isolated vault capabilities deliver comprehensive ransomware protection.

- CNCF-conformant protection supports Nutanix Kubernetes Platform (NKP) clusters through standard Kubernetes interfaces, eliminating proprietary dependencies and vendor lock-in
- Policy-driven backup and recovery of namespaces and persistent volumes with centralized governance, automated scheduling, retention control and compliance reporting
- Immutable storage with retention lock prevents ransomware encryption or deletion, while PowerProtect Cyber Recovery vault enables validated recovery workflows

## Nutanix Kubernetes Platform

Nutanix Kubernetes Platform (NKP) delivers enterprise-grade Kubernetes operations built on pure upstream Cloud Native Computing Foundation (CNCF) conformant foundations. NKP simplifies cloud-native complexity through integrated lifecycle management, seamless application mobility and standardized security, enabling organizations to deploy containerized workloads with confidence across any infrastructure.



### Standards-Based Protection

CNCF-conformant architecture protects containerized workloads without vendor lock-in or proprietary dependencies.



### Centralized Governance

Automated discovery of NKP clusters, namespaces and persistent volumes enables policy-driven protection.



### Efficient Deduplication

DDBoost client-side deduplication reduces network overhead and storage costs for backup data.

**Namespace-Level Protection**

Granular protection policies apply at the namespace level, enabling targeted backup and recovery aligned with application requirements.

**Compliance-Grade Immutability**

Governance and Compliance retention lock modes meet regulatory requirements, preventing premature deletion of protected data.

**Granular Recovery**

Restore namespaces and persistent volumes to original NKP clusters or alternate environments for operational recovery.

**Disaster Recovery Replication**

Replicate protected data to secondary sites, preserving retention lock attributes end-to-end for cyber resilience.

**Isolated Vault Recovery**

PowerProtect Cyber Recovery synchronizes critical data into isolated vaults with integrity analysis for validated recovery.

**Self-Service Capabilities**

Kubernetes administrators define protection policies through standard APIs while IT maintains centralized compliance oversight.

## 96% Kubernetes Adoption

Enterprise Kubernetes adoption reached 96% in 2024, making cloud-native protection critical infrastructure.<sup>1</sup>

## 52% See GenAI Advantage

Over half of organizations believe GenAI will provide cyber security advantages for protecting workloads.<sup>2</sup>

## 67% Security Concerns

Two-thirds of organizations delayed container deployments due to security concerns, demanding robust solutions.<sup>3</sup>

Click to visit our website for more information and detailed specifications.

**Dell PowerProtect Data Manager →**

<sup>1</sup> Based on Cloud Native Computing Foundation Annual Survey 2024

<sup>2</sup> Based on Dell Global Data Protection Index 2024

<sup>3</sup> Red Hat State of Kubernetes Security 2024