

Dell PowerFlex with Nutanix Cloud Platform

Enhance Your Modern IT with Next-Level Flexible and Secure Software-Defined Infrastructure



Modern IT environments face growing complexities, from managing diverse workloads like virtual machines and bare-metal applications to addressing changing business environments and meeting new requirements. Dell PowerFlex with Nutanix Cloud Platform provides a robust solution to these challenges by integrating high-performance software-defined storage with an advanced infrastructure platform.

This innovative partnership delivers unparalleled flexibility, seamless scalability, and unmatched efficiency—ensuring critical workloads run securely and perform at peak levels. It also introduces expanded data services that enhance storage optimization, resilience, and performance across diverse IT environments.

Dell PowerFlex is the 1st external storage supported and integrated with the Nutanix Cloud Platform¹

Overview

Dell PowerFlex with Nutanix Cloud Platform is a software-defined solution that addresses complex IT challenges and redefines enterprise infrastructure. Through deep integration with Nutanix Cloud Platform, PowerFlex expands its support for Nutanix AHV, offering enterprises a flexible hypervisor option to meet diverse needs. Designed for large, mission-critical environments, this solution delivers the resiliency, security, scalability, and performance that are essential for modern IT.

Combining Dell's industry-leading infrastructure with advanced data services, the solution supports the evolving demands of contemporary IT environments. It provides the performance and security required to modernize infrastructure—enhancing efficiency and supporting growth across both new and existing environments.

By bringing together Dell PowerFlex's high performance and scalability with Nutanix's simplified virtualization and built-in resilience, this joint solution enables organizations to meet today's demands while seamlessly adapting to future challenges.



Simplified Workload Consolidation

Consolidate diverse workloads, including virtualized and bare-metal applications, onto a unified platform—designed to evolve with future needs. By eliminating infrastructure silos, organizations can improve resource utilization, streamline operations, and enhance application performance across environments.



Enhanced Business Agility

Evolve alongside dynamic market needs with the solutions's independent scalability of compute and storage. Support a wide range of workloads while enabling seamless workload portability and flexible resource allocation across your IT environment.



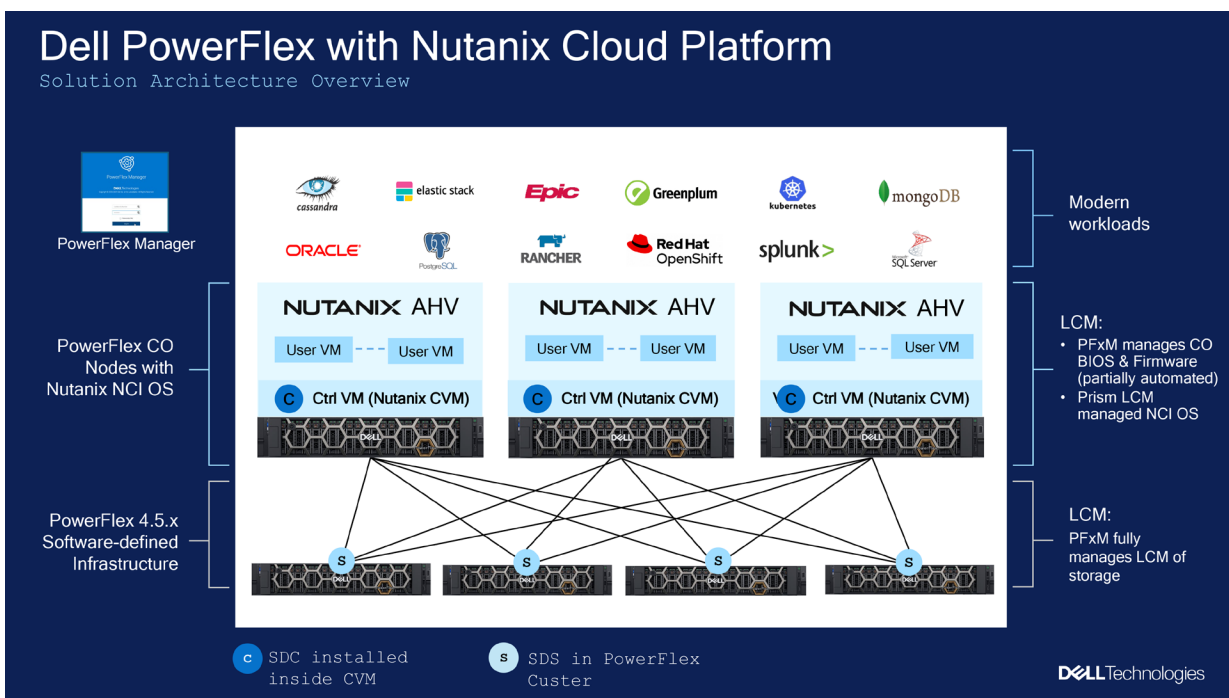
Streamlined IT Operations

Leverage centralized management tools like Nutanix Prism Central and PowerFlex Manager to efficiently oversee compute, storage, and networking resources. Automated processes, including updates and expansions, reduce operational complexity while improving IT team productivity.

¹Based on Dell and Nutanix analysis, July, 2024

Solution Architecture Overview

The architecture of Dell PowerFlex with Nutanix Cloud Platform delivers a powerful combination of simplicity, adaptability, and performance—purpose-built to support modern enterprise IT. PowerFlex’s best-in-class software-defined storage seamlessly integrates with the Nutanix Cloud Platform’s virtualization and management capabilities, creating a solution that delivers operational agility, high performance, and infrastructure efficiency. This solid foundation empowers organizations to run mission-critical applications, streamline operations, and scale confidently as business demands evolve.



Simplified Management Stack

PowerFlex Manager and Nutanix Prism Central provide centralized interfaces for managing lifecycle operations, including provisioning, monitoring, and scalability of resources.



Disaggregated Architecture

Leverage a two-layered architecture, separating compute from storage, for maximum flexibility and to ensure consistent performance and high availability for critical applications with a resilient architecture.



Future-Ready Scalability

The modular design allows for non-disruptive scaling of both compute and storage, offering a “pay-as-you-grow” approach. This adaptability ensures that infrastructure investments remain cost-effective over time.

Discover how Dell PowerFlex with Nutanix Cloud Platform can help modernize your IT. Click to visit our website for more information.

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