

Nutanix Cloud Platform (NCP) Implementation Services

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Why Nutanix Cloud Platform?

Nutanix Cloud Platform (NCP) delivers the core infrastructure resilience, operational simplicity, and cloud mobility that organizations require for today's dynamic hybrid IT landscape. By combining software-defined compute, storage, virtualization (AHV), and networking into a single unified platform, Nutanix simplifies the complex data center.

Nutanix Acropolis Hypervisor (AHV):

A robust, enterprise-grade hypervisor fully integrated into NCP and available at no extra licensing cost. AHV simplifies virtualization by eliminating the need for separate hypervisor management tools while offering enterprise class features.

Prism Central:

A unified management plane that provides a single, intuitive "single pane of glass" console for managing a Nutanix infrastructure and its workloads across hybrid and multicloud environments.

Nutanix Flow:

A native, software-defined distributed firewall that enforces a security model via application-centric microsegmentation.

Why Connection?

Connection offers products, technical expertise, services, and solutions to help your business adapt to the ever-changing technology landscape. Connection designs and deploys infrastructure solutions tailored to each customer's unique business needs, enabling them to optimize spend while enhancing agility.

Modern organizations depend on a secure, resilient, and scalable software-defined infrastructure foundation to deliver business-critical applications, accelerate digital transformation, and control rising costs. The Nutanix Cloud Platform (NCP) is the premier hybrid multicloud platform, unifying data centers, edge locations, and public cloud—while providing a consistent operational model for both VMs and cloud-native applications. This unified architecture, combined with Connection's proven expertise, empowers customers to simplify infrastructure management, enhance agility, and optimize workload performance. From data center modernization to seamless hybrid multicloud deployment, Connection provides the professional services to help you confidently achieve your IT and business goals.

Customer Benefits of Nutanix Cloud Platform (NCP)

Connection helps organizations unlock the full potential of the Nutanix Cloud Platform by combining proven methodologies with deep technical expertise. Our approach ensures that deployments are aligned to business objectives, optimized for efficiency, and validated for resilience. With Nutanix's pioneering hyper-converged infrastructure (HCI) technology and Connection's hands-on professional services, customers gain a future-ready infrastructure that simplifies operations, enhances agility, and delivers measurable business value.

- **Enhanced Agility and Performance:** The modular design allows for independent and seamless scaling of compute and storage resources. Customers experience improved application performance and more rapid provisioning of storage and compute capacity.
- **Operational Simplicity and Efficiency:** Nutanix delivers centralized, simplified management and reduces operational overhead through the Prism control plane. Routine maintenance, including full-stack "one-click" upgrades, is streamlined, drastically improving IT efficiency and simplifying the management of both storage and compute resources.
- **Business Resiliency and Security:** Built-in High Availability backup and DR features, supported by self-healing architecture, ensure services remain operational, yielding a reduction in unplanned downtime. Security is embedded via Nutanix Flow microsegmentation to enforce Zero Trust and native Data-at-Rest Encryption.
- **Exceptional ROI and TCO:** Nutanix delivers significant return on investment by eliminating the need for a complex infrastructure or separate hypervisor licensing, providing a substantial TCO advantage over other multi-component platforms.

Nutanix Hardware and Partner Ecosystem:

The Nutanix Cloud Platform offers unparalleled flexibility, running on a wide range of leading vendor hardware, including Nutanix NX, HPE ProLiant DX, Cisco UCS-X, Lenovo ThinkAgile HX, and Dell XC compute platforms. As a partner with certified engineers across all these major hardware providers, Connection delivers full-stack deployment capability and ensures seamless integration regardless of the customer's hardware vendor of choice.

Connection Nutanix Professional Services

Connection's Nutanix Professional Services team delivers end-to-end expertise across the entire Nutanix Cloud Platform, from design and deployment to optimization and lifecycle management. Our certified engineers apply Nutanix best practices and validated architectures to ensure that every solution is resilient, scalable, and aligned with your business objectives. Whether modernizing your data center with HCI, implementing Nutanix Flow microsegmentation for Zero Trust security, or integrating hybrid cloud connectivity via Nutanix Clusters, Connection provides the technical depth and proven methodology required to deliver successful outcomes.

Core Nutanix Cloud Platform Implementation Services:

- **Project Planning and Readiness Validation:** Including Nutanix hardware validation, cluster design, and overall infrastructure readiness
- **Virtualization and Cluster Configuration:** Initial configuration and tuning of the AOS distributed storage fabric and the AHV hypervisor, including storage pool creation and VM-facing virtual networks
- **External Storage Integration:** Configuration of Nutanix Volumes to utilize supported external storage platforms (Dell and Everpure), providing scalable block storage for non-HCI workloads while extending the centralized Nutanix management plane
- **Intelligent Operations and Monitoring (NCM):** Baseline implementation of advanced operational capabilities via Nutanix Cloud Manager (NCM) for intelligent capacity planning, customizable dashboards, and proactive alerts
- **Enhanced Security:** Security-focused design and integration of core data services, including Data-at-Rest Encryption and alignment with AHV general hardening guidelines

Supplemental Nutanix Optimization Services:

- **Advanced Management and Monitoring:** Advanced configuration of Intelligent Operations, including enhanced monitoring, capacity planning, custom dashboards, and integration with external logging solutions such as syslog
- **Data and Workload Services:** Deployment and configuration of licensed add-ons such as Nutanix Files (scale-out file storage), Nutanix Objects (S3-compatible object storage), Nutanix Flow (for security features/microsegmentation), Nutanix Replication, and Nutanix Self-Service (orchestration)
- **Data Protection:** Implementation of third-party backup solutions like Veeam or HYCU for enhanced data and ransomware protection, leveraging on-premises appliances and/or cloud-based backup repositories
- **Disaster Recovery:** Connection provides professional services to ensure business continuity and resiliency for mission-critical applications. We leverage Nutanix native or third-party tools to deploy policy-driven disaster recovery solutions that deliver rapid recovery while simplifying the recovery process and reducing overall complexity.
- **Optimization and Migration Services:** Services for AOS storage performance optimization as well as workload migration services to accelerate the migration of virtual machines from your existing virtual infrastructure to the new Nutanix cluster

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To learn more about Nutanix Cloud Platform Implementation Services, contact your Account Team today!

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