Accelerate IT Modernization

Joint solutions from Nutanix, HPE and AMD increase performance, efficiency, and security to accelerate digital initiatives.

IT Modernization is Essential IT modernization is critical for organizations that want

to accelerate important initiatives like GenAl.

organization's priorities

GenAl is changing the

95%

90%

Data privacy is a priority for implementing GenAl

But many organizations have an infrastructure-last mindset that treats infrastructure

Source: Nutanix 2025 Enterprise Cloud Index

as a commodity. More thought must be given to delivering infrastructure that is performant, efficient, easy to manage, and secure.

Guiding Principles for Modernization

5 Principles for Effective IT Modernization

1. Modernize Legacy Systems

Assess and prioritize your applications and consider the infrastructure characteristics necessary to modernize them.

2. Embrace the Cloud Model 3. Leverage Al and Automation Utilizing modern infra in a cloud-like These are the foundation of a cloud operating

4. Consider your Data

fashion is critical to success.

Identify all sources of data and drive automation wherever possible to manage and tune important data sources for greater leverage.

model, eliminating the tedious and repetitive tasks.

5. Prioritize Cybersecurity Consider security at the hardware and silicon

level. Without this level of security, data is at risk.

is critical to direct your organization down the path to successful IT modernization.

Paying attention to these guiding principles – especially infrastructure selection –

A recent survey from Enterprise Strategy Group (ESG) finds that most IT professionals rely on hyperconverged infrastructure (HCI) as the cornerstone of infrastructure modernization.

Embrace HCI for IT Modernization

HCI is at the core of our DC modernization

HCI is suited to mission-critical workloads

HCI is part of our edge modernization strategy Source: Enterprise Strategy Group, Navigating the Cloud and AI Revolution: The State of Enterprise Storage and HCI, March 2024.

HCI has helped us become more agile

HPE ProLiant Compute for Nutanix Portfolio leverages the exceptional performance, security and efficiency of AMD EPYCTM CPUs to rapidly modernize operations and protect critical business data.

Nutanix, HPE and AMD Deliver a Winning HCI

Essential Modernization Capabilities of the Joint Solution

The combination of Nutanix Cloud Platform, flexible ProLiant DX infrastructure, and powerful AMD processors allow you to meet the needs of traditional and modern applications.



Simplify operations across datacenter, edge, and public cloud.

Embrace the Cloud Model

Modernize Legacy Systems

Consider your Data Simplify data management and enhance data protection by storing all file, block, and

object data on a single platform, enabling high performance and faster time to insight.



Leverage Al and Automation Automate routine tasks and take advantage of the latest AlOps.

Prioritize Cybersecurity Security is built-in at every level rather than bolted on to meet the needs of the most stringent operations.

AMD EPYCTM CPUs Enhance Compute

Efficiency Security Performance • Up to 192 cores per socket **AMD Infinity Guard** More performance from fewer servers · DDR 5 Resists cyber attacks

Reduce space, power,

and cooling

CPU options for

every workload

The path to computing performance, security and lower TCO begins with AMD EPYCTM

processors. Advanced multichip design and high-speed interconnects support AI, ML, HPC,

and large in-memory computations, while energy efficiency and value make EPYC the

smart choice for cloud, enterprise and midsize workloads.

Key Benefits

Balanced performance and power efficiency address scale-up and scale-out requirements.

HPE: Flexible Configurations and

· 12 memory channels

· Gen 5 PCle

Protects sensitive data

Avoids downtime

Streamlined Consumption With innovative hardware designs and flexible consumption models,

HPE ProLiant DX HPE GreenLake Co-developed with Nutanix for HCI Agility and scalability of public cloud without sacrificing control and compliance · High-performance, unified storage

HPE ProLiant Systems

Powered by Nutanix Cloud Platform

HPE is a pioneer and innovator in the server market.

with critical support

GPUs for hardware acceleration

Multiple flexible configurations to

satisfy the needs of any workload

· Six-hour hardware repair guarantee

Accommodate dynamic growth on demand

Pay-per-use and capacity-based

Scale resources quickly and avoid

licensing models

True hybrid cloud model

infrastructure delays

Nutanix Cloud Platform

· Runs in the datacenter, edge, and public cloud Enterprise-class data services

Choice of hypervisor including Nutanix AHV

Complete infrastructure platform

Any Bare

Metal Linux

Project

Beacon

Data Lens

Security | Privacy

aws





The Nutanix Cloud Platform delivers the full benefits of HPE and AMD

Learn how Nutanix, HPE and AMD can accelerate your IT modernization journey by reading the white paper, A Guide to IT Modernization: Performance, TCO and Security, by researchers at Moor Insights and Strategy.

NUTANIX

Prism Federation Cloud Manager AlOps | Self-Service | Cost | SecOps API | Alerts | LCM | IAM

Database Service

hardware innovation for traditional and modern workloads.

hypervisors and container platforms.

Files, Objects

Nutanix Cloud Infrastructure

(AOS, AHV, Flow, DR)

Cloud Native AOS

edge with the flexibility to choose multiple

The <u>Nutanix Cloud Platform</u> is a powerful

hybrid multicloud infrastructure solution

that's secure, resilient and adaptive.

It supports diverse workloads across

on-premises, public clouds and the

Nutanix Central Kubernetes Platform

VMs and containers

Enterprise Al

LCM | Fleet Management | Security