

NUTANIX

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Modernization Kickstart:

The Smart Blueprint for Running AI and Cloud Native Apps Anywhere



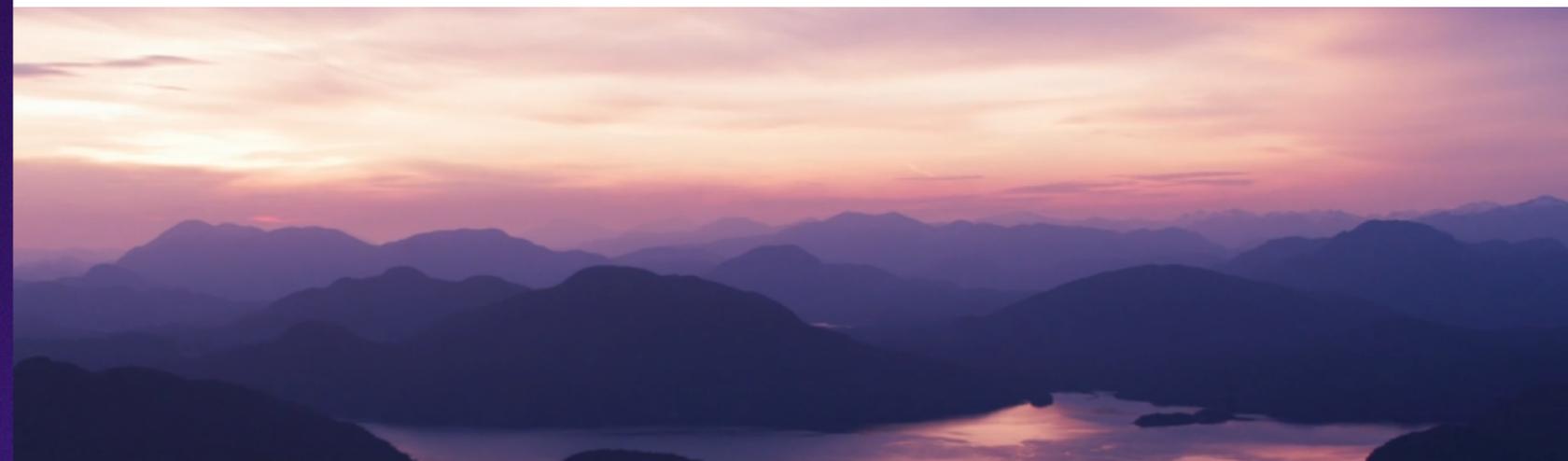
How IT leaders modernize their infrastructure with Nutanix and Intel to deploy AI and cloud native apps wherever innovation is happening

Modernizing for AI adoption, cloud native applications, and hybrid cloud doesn't have to start with disruption. **Modernization Kickstart** offers IT leaders a practical, low-risk blueprint for elevating their infrastructure by building on what already works.

Discover how **Nutanix Cloud Platform** and **Intel® Xeon® 6 processors** with built-in accelerators, validated across leading OEM platforms, clouds, and external storage providers, deliver simplicity, scalability, and TCO advantages that make modernization achievable today and for what's next.

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The Starting Line: A Confident Beginning

You don't need to start over to move forward

Modernization efforts don't stall because IT leaders doubt its value. They are delayed by perceived risk: downtime, disruption, cost, and skill gaps. Standing still can often feel safer than moving forward.

The Cost of Hesitation

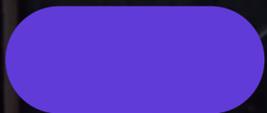
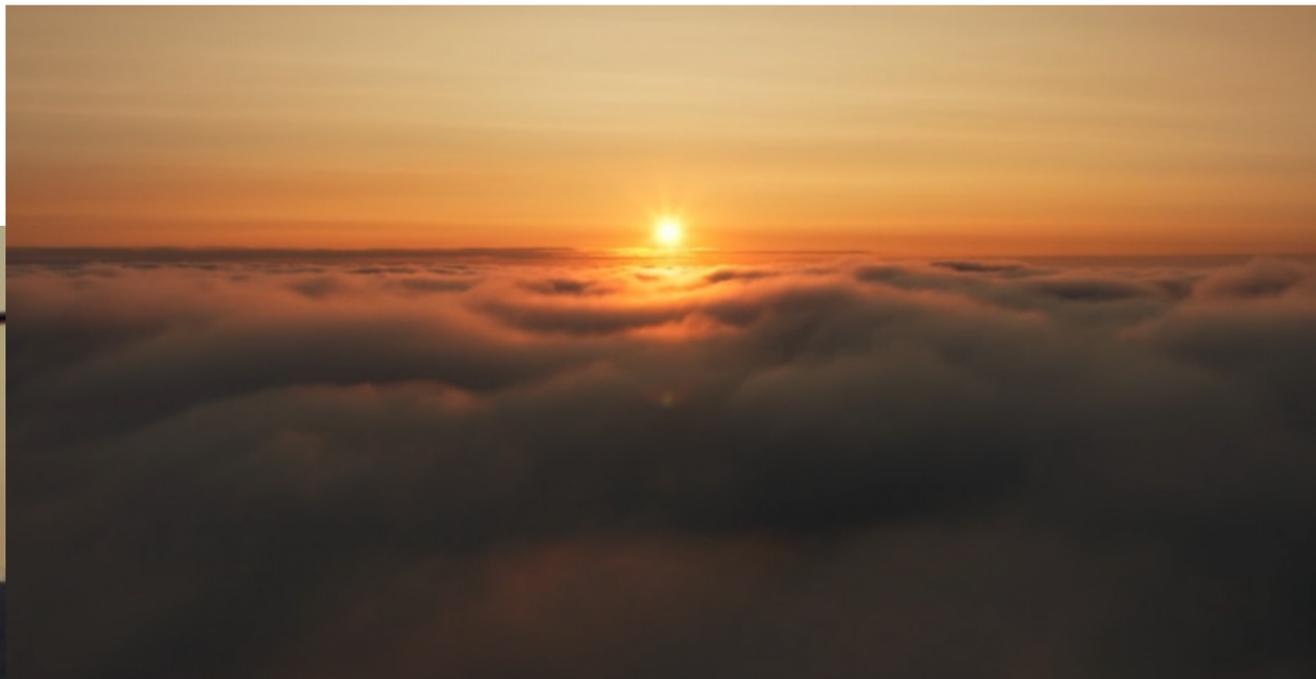
But hesitation has a price. Each delay compounds tech debt, increases operational complexity, and limits the ability to deploy AI and cloud native innovation at scale. The longer you wait, the farther behind you fall.

Here's the good news: modernization doesn't mean wiping the slate clean or bricking what already works. It means evolving the infrastructure you trust to handle what's next.

With **Nutanix Cloud Platform** and **Intel Xeon 6 processors**, IT leaders can build a simpler, smarter foundation that scales seamlessly with their business.

By Definition: Modernization

Modernization is the process of upgrading and evolving your IT foundation to support AI, cloud native apps, hybrid cloud, and emerging business demands. It includes modernizing infrastructure, applications, data, security, and operations to reduce technical debt, improve agility, strengthen protection, and create a scalable, future-ready platform for continuous innovation.



Business Won't Wait: Why Modernization Now

**Old infrastructure slows progress.
Modernization unlocks it.**

Modern Demands, Legacy Constraints

Containers, Kubernetes, cloud native apps, hybrid cloud expansion, and rising security expectations keep pushing infrastructure harder than legacy systems can support. For many organizations, modernization raises concerns about where to start or potential disruption. But delay has a cost: tech debt grows, complexity compounds, and the business slows while competitors move.

Between AI Hesitation & Hype

Some teams hold back on AI, unsure how to prove ROI. Others rush toward GPU-heavy deployments before their infrastructure is ready. There is a smarter path: start with Intel Xeon 6 processors and Nutanix Cloud Platform, running small-to-medium AI workloads efficiently on CPUs. And if you're still on older processor generations, modernization brings immediate gains in performance, efficiency, and readiness for larger-scale adoption.



Software and Silicon: United by Design

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Where intelligence meets infrastructure

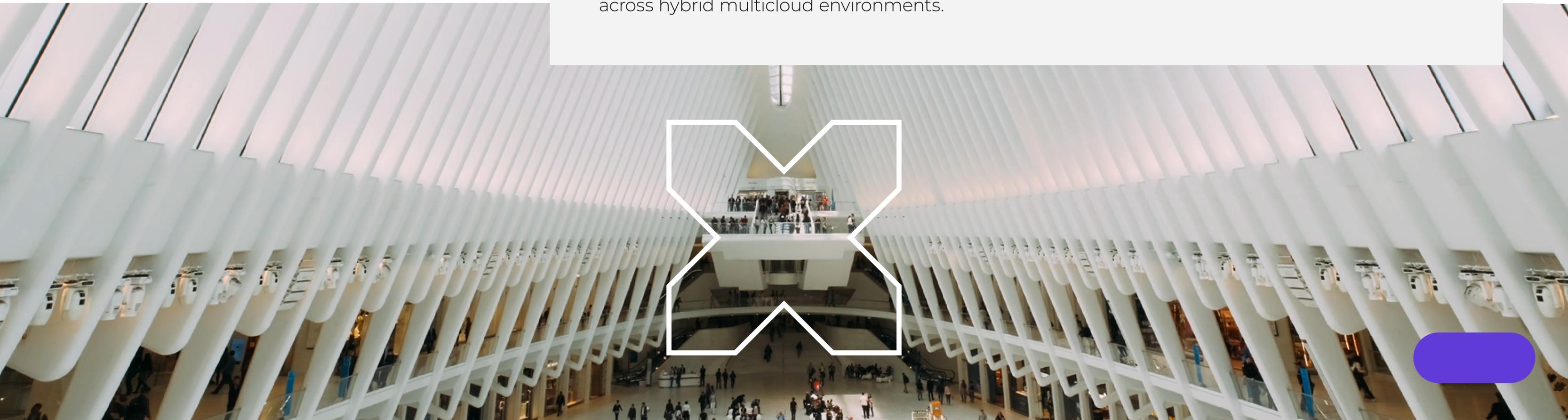
Modern IT isn't defined by a single innovation. It's the harmony between them. Nutanix software and Intel processors are co-engineered to simplify infrastructure, accelerate performance, and give IT teams the agility to deploy workloads anywhere with confidence.

Smarter Innovation

Nutanix Cloud Platform brings cloud agility and operational consistency. Intel Xeon 6 brings compute precision and efficiency. Together, they eliminate layers of complexity, optimizing both software and silicon for better performance, security, and scalability across hybrid multicloud environments.

Simplify to Accelerate

When software and hardware speak the same language, modernization becomes seamless. IT leaders can manage diverse workloads, deploy AI where it makes sense, and scale confidently, all without overhauling what already works.



Simplicity as Strategy: The Nutanix Perspective

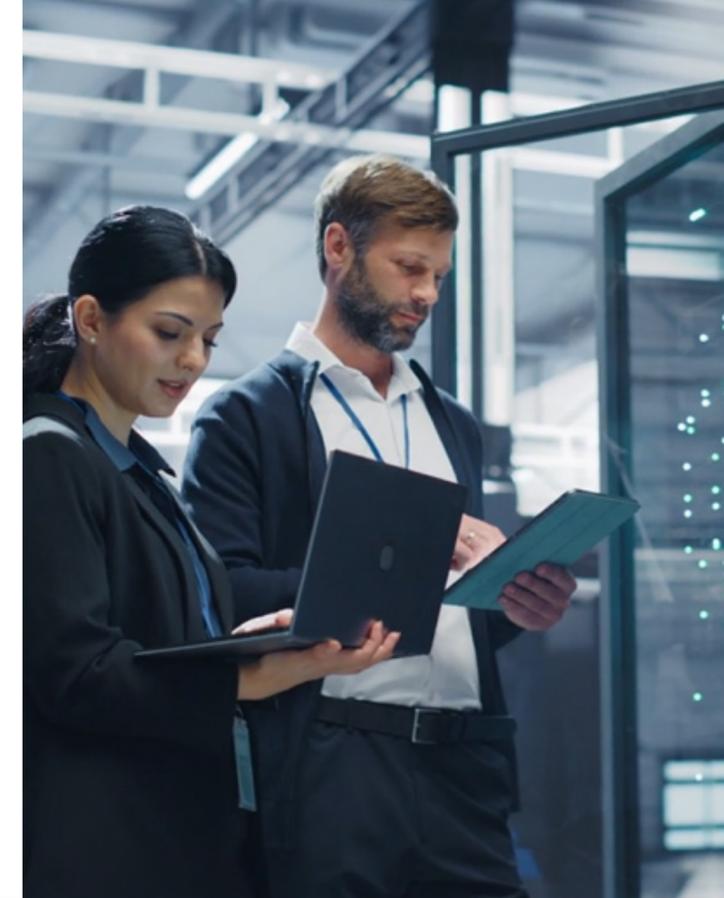
When everything connects, complexity disappears

The Nutanix Cloud Platform brings clarity to chaos by consolidating management, data, and operations across clouds and workloads into a single, consistent experience. IT teams can deploy, manage, and scale resources with confidence on-prem, in public cloud, or at the edge.

Software-First by Design

Built on a software-defined foundation, Nutanix transforms infrastructure into a flexible infrastructure service layer.

Through components such as **Nutanix Cloud Platform (NCP)**, **Nutanix Kubernetes Platform (NKP)**, and **Nutanix Enterprise AI (NAI)**, organizations can automate provisioning, streamline updates, and accelerate deployment for both traditional and AI-driven applications.

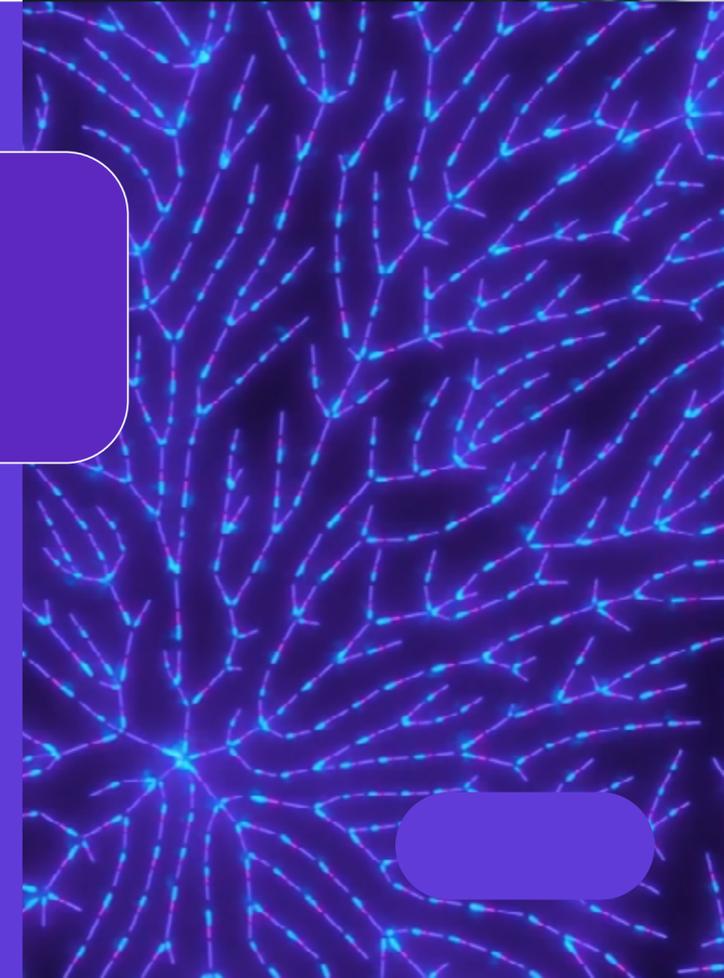


**Nutanix
Cloud
Platform**

**Nutanix
Kubernetes
Platform**

**Nutanix
Enterprise
AI**

By removing friction and reducing operational overhead, Nutanix turns simplicity into strategic speed. By focusing less on maintenance and more on innovation, IT admins become AI admins. This ultimately reduces time-to-value, enables cloud native agility, and creates a stable base for AI workloads to thrive.



When Everything Connects, Complexity Disappears

One Platform for All Apps, Data, & AI Anywhere

Any App - Any Scale - 1300+ Certified ISVs

Nutanix Central & Nutanix Cloud Manager

Nutanix
Unified
Storage

Nutanix Enterprise AI

Nutanix
Database
Service

Nutanix Kubernetes Platform
(incl. Nutanix Data Services for K8s)

Nutanix Cloud Infrastructure
(AOS, AHV, Flow, DR)

Any Bare
Metal Linux



Cloud Service
Providers



Anywhere – Edge | Core | Cloud



Performance Meets Precision: The Intel Advantage

Start smart. Scale strong.

Intel Xeon 6 processors deliver major performance gains for AI, HPC, and data-intensive workloads, while cutting power use and maintaining uptime. Hardware-based security offers built-in protection without introducing additional complexity.



Do You Need GPUs to Start With AI?

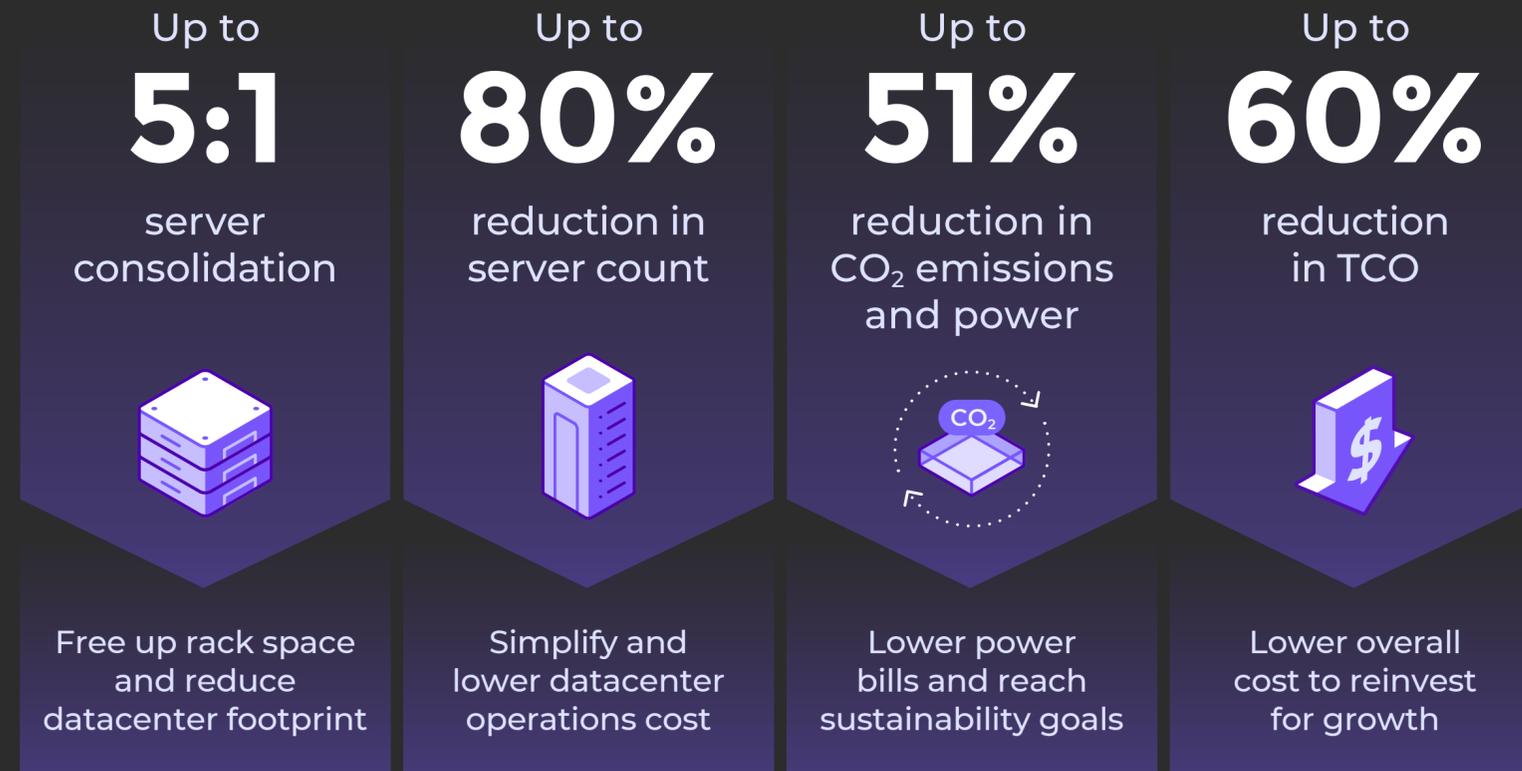
Not right away. Intel Xeon 6 with Intel® AMX technology, based on up to 20 billion model parameters, efficiently runs small to medium-sized workloads, like inference, NLP, RAG, and recommendation engines, directly on the CPUs. Achieve faster insights, lower energy costs, and simpler operations.

As data and models evolve, the same architecture lets you scale naturally to GPUs or specialized accelerators, avoiding premature overcommitment. It's a flexible, cost-effective path that grows with you, anchored by Intel's trusted performance, efficiency, and security.



Performance Meets Precision: The Intel Advantage

Intel Xeon 6 processors deliver measurable modernization by reducing power consumption, minimizing footprint, and enhancing performance generation over generation. These outcomes result in real TCO gains versus the competition and past generations.



Recover costs in **11 months**

Source: Comparing benefits transitioning from Intel Xeon 6230 to Intel 6787P



Modernization at Scale: Freedom of Choice

Freedom without friction

Nutanix and Intel deliver true modernization freedom. Run your workloads on-premises, in the cloud, or hybrid across leading OEMs and hyperscalers, while keeping data optimized, all managed through a single trusted view.

Your Platform, Your Way

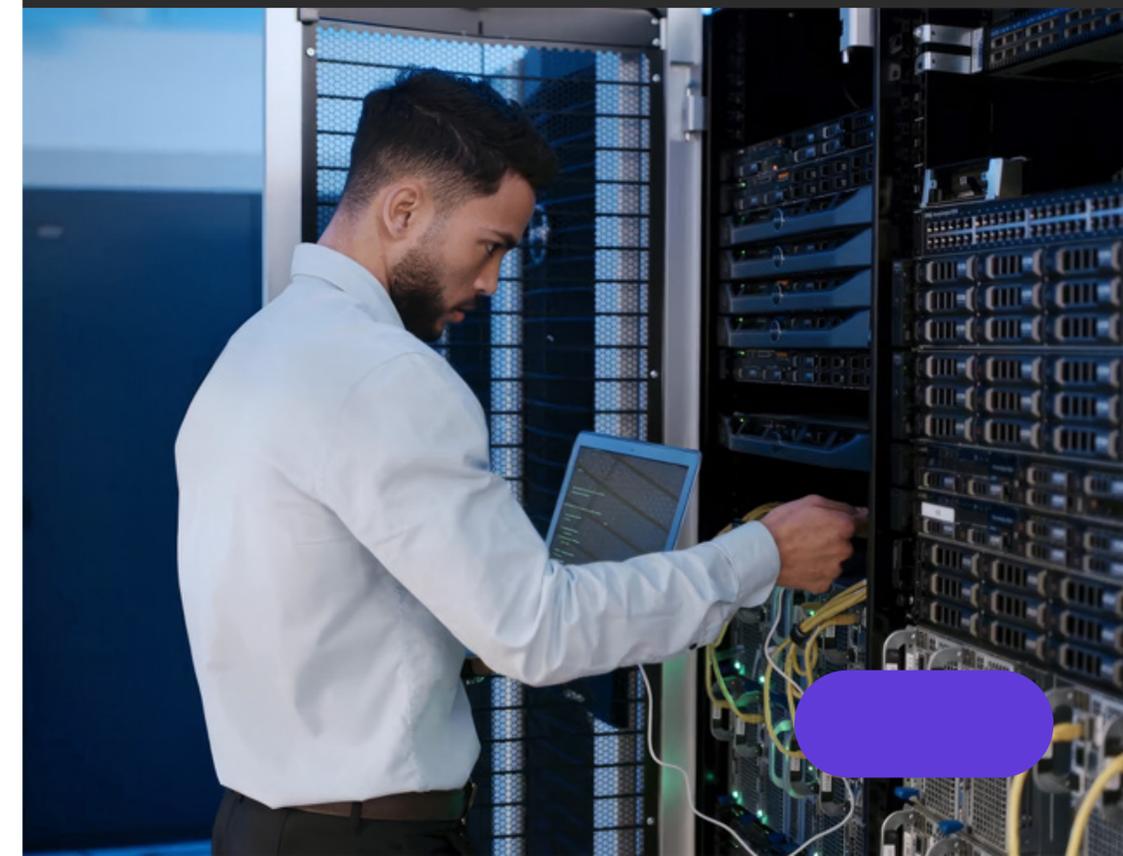
Nutanix Cloud Platform and Intel processors integrate seamlessly with leading OEM hardware platforms for optimized, turnkey performance.

Hybrid and Multicloud, Unified

Run applications across leading cloud providers without complexity. Whether extending datacenters to the cloud or keeping workloads on-prem, Nutanix and Intel ensure consistent governance, visibility, and control across environments.

Storage Without Boundaries

Nutanix and Intel support external storage options, leveraging existing investments to keep your data where it works best.



Measurable Modernization: Focus on TCO

Value in every watt, workload, and upgrade

Modernization delivers measurable returns, not abstract promises. With **Intel Xeon 6 processors** and **Nutanix Cloud Platform**, organizations can reduce power consumption, streamline management, and achieve lower total cost of ownership. Every generation builds on proven efficiency, turning technology investment into sustained economic advantage backed by validated reference data from Intel and Nutanix.

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10:1

Server consolidation

67%

TCO Savings

90%

fewer
servers

83%

less
power

Source: Estimated over 4 years. NGINX TLS workload.
See [7T26] [intel.com/processorclaims](https://www.intel.com/processorclaims): Intel Xeon 6. Results may vary.



Built for What's Next: Destination Defined

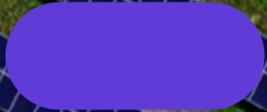
Modernization with confidence,
not guesswork

Modernization isn't a reaction.
It's direction. Knowing your
destination means every
investment moves you closer
to lasting impact.

With Nutanix and Intel, IT leaders gain a clear, adaptable path forward—one platform ready for every next step.

From AI to edge to cloud native evolution, the journey ahead is defined, measurable, and built on confidence.

Edge environments in particular come with strict limits on power, cooling, and space, far more than typical datacenter footprints. These constraints make CPU-heavy architectures ideal, providing efficient performance for AI and cloud native workloads without exceeding physical or energy budgets.



How to Begin: A Practical Path Forward

Starting modernization with intention

Turning insight into action means following a path built for progress. Nutanix and Intel provide a proven, three-step framework that helps IT teams modernize with confidence, one step at a time.



Assess with Clarity

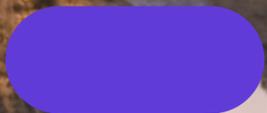
Evaluate your current infrastructure, workloads, and business priorities to ensure alignment. Identify what's working, what's holding you back, and where AI and cloud native apps fit in.

Plan with Control

Align modernization goals with budget, resources, and timing. Leverage Nutanix and Intel reference architectures to map your optimal starting point and path forward.

Deploy with Confidence

Execute with agility. Roll out upgrades and integrations at your pace, without disruption. Scale seamlessly as business needs and workloads evolve.



Where to Begin: Your Ticket to Modernization

Turn possibility into progress

Start your modernization journey today. With Nutanix and Intel, you already have the blueprint, validation, and momentum to begin.

Explore reference architectures, assessment tools, and partner programs designed to meet you where you are, so you can modernize on your terms, at your pace, with confidence.

Nutanix: Start with simplicity

Discover how Nutanix Cloud Platform unifies clouds, workloads, and operations.



Intel: Power your progress

Learn how Intel® Xeon® 6 processors accelerate AI and cloud native performance efficiently, securely, and sustainably.



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Resources & References

- [Nutanix AI-Ready Hybrid Cloud Hub](#)
- [Nutanix OEM Validated Design](#)
- [ROI & TCO Research on Modernization](#)
- [Nutanix Sizer Tools](#)

