

Enterprise Infrastructure Was About to Get Very Expensive

How a Fortune 100 Enterprise Migrated 20,000 Virtual Machines in Under 11 Months

20,000+
Virtual Machines

11
Months

12
Engineers

Zero
Disruption

A Fortune 100 enterprise made a decisive move:

Standardize its infrastructure on Nutanix.

Faced with rising costs and increasing complexity, the company chose to modernize its environment on a unified platform built for scale.

But the timeline was aggressive.

They had less than a year to complete one of the largest infrastructure transformations in the company's history.

What It Took to Move to Nutanix

This wasn't just a platform change.

The infrastructure team had to:

- Migrate **20,000+** virtual machines to Nutanix
- Refactor **multiple global data centers**
- Rebuild **15+ years of operational automation**
- Replace capacity and placement systems tied to the legacy environment

All while keeping production systems fully operational.

One API call returned ~95% of infrastructure data

The Real Challenge Was Operationalizing Nutanix at Scale

Moving to Nutanix was the right decision.

But getting there—and making it work at scale—was the real challenge.

The organization relied on deeply embedded operational logic:

- Capacity planning
- VM placement decisions
- Deployment pipelines
- Automation frameworks

That logic didn't automatically carry over.

Without it, every workload decision across ~200 clusters would become manual.

That's not a migration problem. That's an operations problem.

The First Approach Didn't Work

The team initially tried to rebuild this logic using another platform within the new Nutanix environment.

It quickly broke down.

- Data had to be pulled cluster-by-cluster
- Engineers had to assemble infrastructure context manually
- Integration into automation pipelines was slow and complex

"We had to query every cluster individually."

That approach wouldn't scale with Nutanix—or the timeline.

Virtana Made Nutanix Operational at Scale

Virtana became the missing layer:

System-wide intelligence across the Nutanix environment.

- One API call returned ~95% of infrastructure data
- Full cluster context across Nutanix was instantly available
- Automation pipelines could run without redesign

"What took months took about twenty minutes."

Instead of rebuilding operations from scratch, the team could fully leverage Nutanix from day one.

From Migration to Automated Operations on Nutanix

With Nutanix as the foundation, Virtana enabled fully automated infrastructure operations.

When a VM request enters the pipeline:

1. Analyze capacity across Nutanix clusters
2. Eliminate constrained environments
3. Rank optimal clusters
4. Automatically deploy to the best location

No manual decisioning.

No fragmented visibility.

No operational bottlenecks.

"Replaced the old playbook with Virtana.
Same inputs, same outputs. Zero code changes."

Seamless Integration

Virtana fit directly into the organization's automation framework.

No redesign required.

- Same inputs
- Same outputs
- Same workflows

For internal teams, the transition to Nutanix was seamless—and invisible.

The Result

Over ~11 months, the team:

- Migrated **20,000+ workloads to Nutanix**
- Rebuilt **~1,700 hosts**
- Optimized placement across **~200 Nutanix clusters**
- Delivered with a team of **12 engineers**
- Maintained **continuous operations with zero disruption**
- Reduced infrastructure decisioning from **months to minutes**

Nutanix now runs as a fully operational, automated platform across the enterprise.

Virtana powers the intelligence behind it.

What This Proves

Nutanix provides the platform.

But at enterprise scale, success depends on how quickly you can make it operational.

Without system-wide intelligence, migrations slow down and complexity increases.

With Virtana, Nutanix becomes immediately actionable.

Bottom Line

Nutanix runs the platform.
Virtana optimizes the system.

About Virtana

Virtana delivers the deepest and broadest observability platform for hybrid and multi-cloud, with full-stack AI observability spanning applications, services, data pipelines, GPUs, CPUs, networks, and storage. Powered by high-fidelity data and agentic AI, Virtana provides unmatched visibility across end-to-end IT services and AI workloads, correlating health, performance, cost, and user impact in real time. With advanced event intelligence and autonomous insight generation, Virtana delivers clarity no other provider can match. Trusted by Global 2000 enterprises and public sector organizations, Virtana helps IT operations and DevOps teams reduce risk, strengthen resilience, improve efficiency, and modernize with confidence across multi-cloud, on-premises, and edge environments. Learn more at virtana.com.

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