

# Virtana and Nutanix

## Deep Observability for Hybrid Infrastructure, Applications, and AI

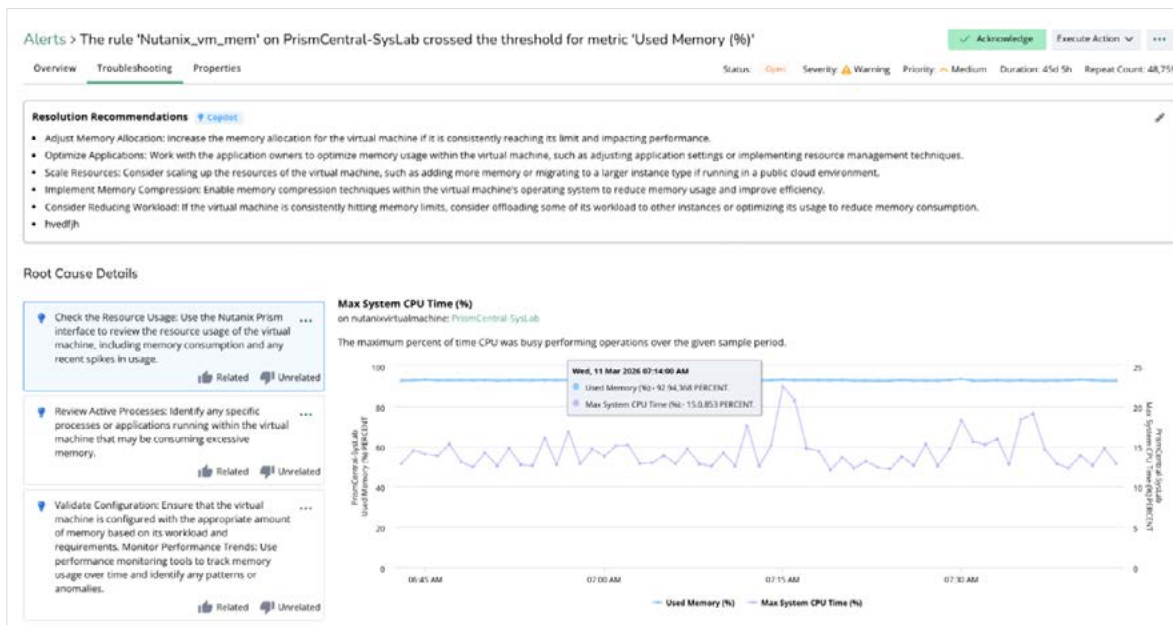
### Solution Overview

Nutanix gives enterprises a modern foundation for virtualized infrastructure, Kubernetes, and private AI services. Virtana Platform adds the operational intelligence needed to run those environments with confidence by connecting application and service context to Nutanix infrastructure, containers, storage, network, and AI resources. Together, the joint solution helps teams move beyond siloed monitoring toward faster diagnosis, better planning, and more predictable performance across hybrid environments.

When deployed with Nutanix, Virtana gives operations teams unified visibility across the environment so they can understand system behavior faster, connect issues across domains, and respond with greater precision.

### What IT Leaders Gain

- **Full-stack Nutanix visibility:** Connect services and applications to Nutanix clusters, hosts, VMs, storage, and network paths.
- **Faster root cause analysis:** Correlate performance data, dependencies, events, and topology to cut through noisy incidents.
- **Smarter capacity decisions:** Forecast compute, storage, and infrastructure demand before saturation impacts service levels.
- **Kubernetes and service context:** Bring container behavior, service health, and infrastructure dependencies into the same operational view.
- **Balanced AI workload operations:** Use AI Factory Observability (AIFO) where AI workloads are in scope to track GPUs, job behavior, and AI resource efficiency.
- **One platform across domains:** Replace fragmented point tools with a coordinated view for infrastructure, platform, and operations teams.



## How the joint platform story comes together

### Nutanix Layer

### Virtana Platform Value

Nutanix AHV, Prism, clusters, hosts, VMs, storage pools, and network interfaces	Infrastructure Observability discovers and monitors core Nutanix entities, bringing performance, availability, and capacity insight into a single operational model.
Kubernetes environments running on Nutanix	Container Observability surfaces workload health, cluster behavior, resource pressure, and application dependencies so platform teams can see how infrastructure conditions affect modern services.
Applications, services, alerts, and operations workflows	Service Observability and event intelligence correlate signals across the environment, reduce noise, show business impact, and support faster triage and remediation.
Nutanix Enterprise AI and GPU-backed AI infrastructure	AIFO extends the platform story into AI operations with visibility into jobs, GPUs, utilization, and the infrastructure conditions influencing training and inference outcomes.
Hybrid environments beyond Nutanix	Global View, custom dashboards, and open integrations let teams see Nutanix in the context of the rest of the hybrid estate instead of managing another isolated console.

## Common use cases and business outcomes

### Optimize Nutanix virtualization and storage operations

See how application demand stresses Nutanix compute and storage resources, spot imbalance and noisy neighbors earlier, and plan for growth before service quality drops.

- **Better performance assurance and fewer capacity surprises.**

### Reduce MTTR across services running on Nutanix

Tie service issues to infrastructure conditions, dependencies, and event patterns so teams can move from symptom chasing to root cause analysis faster.

- **Less alert fatigue and faster incident resolution.**

### Improve Kubernetes operations on Nutanix

Correlate cluster behavior, pod health, and infrastructure signals so platform teams can understand why containerized applications slow down, fail, or scale inefficiently.

- **More resilient modern application delivery.**

### Run AI workloads with stronger operational control

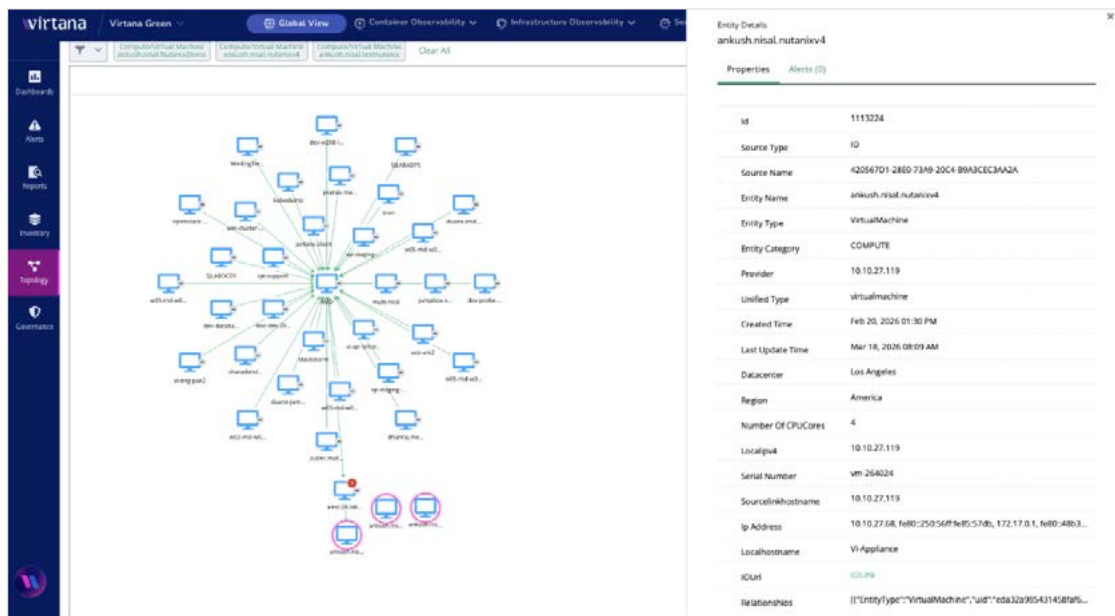
Where Nutanix Enterprise AI and GPU-backed workloads are in scope, extend observability into AI factories with visibility into job health, GPU utilization, and the infrastructure supporting model performance.

- More predictable AI performance and better resource efficiency.

### Automatically discover and visualize dependencies across hybrid environments

Continuously map relationships across infrastructure, applications, services, and supporting components so teams can see how Nutanix environments connect to the rest of the hybrid estate, understand upstream and downstream impact, and troubleshoot with clearer operational context.

- Better visibility across dependencies and faster impact analysis.



## From fragmented monitoring to coordinated operations

### Fragmented Approach

Separate tools for VMs, services, Kubernetes, and AI workloads

Reactive troubleshooting based on symptoms and isolated alerts

Static capacity planning and limited performance forecasting

Limited visibility into how infrastructure issues affect business services

### Virtana & Nutanix Approach

One correlated platform view across infrastructure, services, containers, and AI operations

Context-rich diagnosis using dependencies, topology, event intelligence, and root cause context

Predictive planning for compute, storage, and infrastructure demand across changing workloads

Service-aware operations that show which issues matter, where they start, and what to fix first

Nutanix provides the operating foundation; Virtana Platform adds the deep observability, context, and operational intelligence needed to run it at scale.