

# Nutanix Prism

Intuitive, Beautiful, Insightful



Nutanix Prism is an end-to-end consumer-grade management solution for virtualized datacenter environments that brings unprecedented simplicity by combining several aspects of administration and reporting.

Prism has been designed from the ground-up for an uncluttered, rich experience that offers an intuitive user interface to simplify and streamline common datacenter workflows, eliminating the need to have disparate management solutions for different tasks.

Prism manages the entire stack from the storage and compute infrastructure all the way up to virtual machines (VMs). The Prism Central console is used to manage clusters, whereas single nodes can be managed by both Prism Central and Prism Element Consoles.

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## ONE-CLICK CLUSTER MANAGEMENT

Prism gives administrators the ability to deploy clusters for storage and virtualization within minutes. Streamlined deployment and consolidated visibility into cluster statistics makes administration a breeze.

- **Host Profile:** Standardize configuration of hosts within a cluster based on user-provided information (e.g., auto-mount containers).
- **Virtual Networking:** Setup and configure layer-2 VLAN backed virtual networks spanning the cluster. Optionally, create a virtual network with managed IP for VM IP management.
- **Non-disruptive Upgrades:** Upgrade the Acropolis Operating System, Hypervisors, and firmware with a single click without any downtime and maintenance windows.
- **Network Visualization:** Get a VM-centric operational view of the network and drastically reduce the mean time to restore from common network issues. A complete visual representation of how applications are connected to the underlying physical and virtual networks helps simplify monitoring, troubleshooting, and remediation.



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## ONE-CLICK VM SETUP

Prism radically simplifies workflows through the entire VM lifecycle, from creation and initial placement, to IP network configuration, to protection and migration.

- **Snapshots and Clones:** Rapidly create snapshots and clones of virtual machines.
- **Resource Scheduling:** Determine intelligent initial placement of virtual machines, and dynamically balance the load across the cluster for optimal performance.



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## ONE-CLICK STORAGE MANAGEMENT

Prism provides intuitive VM-centric workflows for all administrative tasks related to storage deployment, management and scaling from a single pane of glass.

- **Backup and Disaster Recovery:** Define failure domains for resilience, establish snapshot and replication schedules, and leverage integrated data protection workflows.
- **Standards-based Authentication:** Prism integrates with LDAP-based services for strong and flexible administrator authentication.



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## RBAC AND SELF SERVICE

Prism empowers end users by enabling access control of infrastructure resources. RBAC enables granular control over what actions can be performed on “Entities” such as VMs, applications, reports, clusters etc.

- **Easy User and Resource Management:** End users can be grouped together from AD/LDAP for easy “Role” assignment. “Categories” can be used to “Entities”, making it easy to manage compute, storage and network resources.

Prism for infrastructure management has two management consoles for deployment: Prism Element for single node and Prism Central for single node and clusters. Prism is included with every edition of AOS for single and multiple site management.

Note:  
For more information on Nutanix Cloud Manager (NCM) Tiers please refer to the NCM page here

FEATURES	IT MANAGEMENT PRISM
<b>Cluster Management</b>	
Single Site Management (Prism Element)	✓
Multi-Site Management	✓
VM Management	✓
Storage Management	✓
Multi-Hypervisor Management	✓
Network Visualization	✓
Prism Self Service Management	✓
<b>One-Click Performance Monitoring</b>	
Alert Analysis	✓
<b>One-Click Operational Insights</b>	
Prism Advanced Search	✓



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