

# Nutanix Flow

VISUALIZE | SECURE | MONITOR

## FUNCTIONS

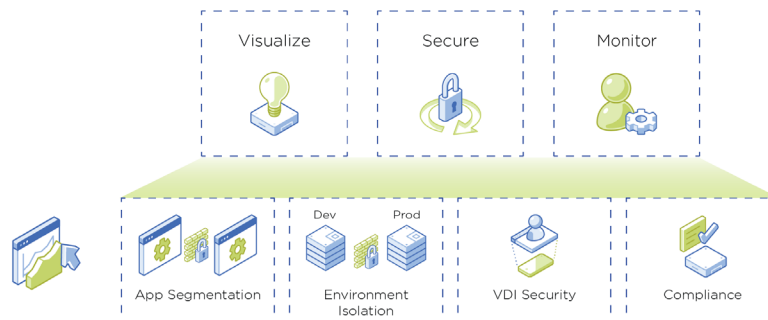
VM Microsegmentation  
 Application Visualization  
 Service Chaining  
 Policy-based Control  
 Identity Based Policy  
 Traffic Monitoring and  
 Threat Detection  
 Compliance Audit and Reporting

The network is the foundation for the connected Enterprise. With increasing application complexity, driven by distributed services and rapid growth in SaaS and cloud-based offerings, the need to easily visualize, analyze and govern network communications becomes critical.

Nutanix Flow delivers advanced network security, providing visibility into the virtual network, application-centric protection from network threats, malware, and ransomware and security and compliance monitoring.

Flow allows organizations to deploy software-defined virtual network security without the complexity of installing and managing additional products that have separate management and independent software maintenance requirements.

Fully integrated into the Nutanix private cloud solution and Nutanix AHV virtualization, Nutanix Flow differs from traditional perimeter firewalls by allowing network policy to be attached to VMs and applications, rather than specific network segments (e.g., VLANS) or identifiers (IP addresses). Through centralized management from Prism, policies are auto-updated throughout the VM lifecycle, removing the burdens of change management.



### Application and Network Visualization

Creating the right network policies requires a complete understanding of workload behavior. Nutanix Flow provides a detailed visualization of communications between VMs along with assistance in categorizing and grouping workloads, making it simple and straight-forward to set the right policies for the environment.

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## KEY BENEFITS

- Application centric network policies for VMs
- Works with any network topology or architecture
- Application and network visibility
- Policy change management tied to VM lifecycle
- Prevent the propagation of network security threats
- Adds Identity based security to EUC/VDI deployments
- Security posture visibility and tracking dashboard
- Compliance audit and reporting regulations like HIPAA, PCI, NIST, and more
- Expand functionality via third-party network inspection and policy tools

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## RESOURCES

- [nutanix.com/products/flow](https://nutanix.com/products/flow)
- [nutanix.com/products/ahv](https://nutanix.com/products/ahv)
- [nutanix.com/security](https://nutanix.com/security)

### Network Isolation and Microsegmentation

Microsegmentation provides granular control and governance of all traffic into and out of a virtual machine (VM), or groups of VMs. It ensures that only permitted traffic between application tiers or other logical boundaries is allowed and protects against advanced threats propagating within the virtual environment.

### Identity-Based Network Policy

Identity Firewall in Flow allows EUC policy to incorporate the additional context of a user's identity. Group and role information pulled from directory services combine to create a more granular yet dynamic policy model.

### Service Insertion and Chaining

Nutanix Flow functionality can be extended to leverage virtualized network functions from third-party software. These services are inserted in-line or in tap-mode with VM traffic, and can be easily enabled for all traffic, or deployed only for specific network traffic. Common network functions include virtual firewalls, load balancers, threat detection, and application performance monitoring.

### Monitoring, Compliance Audit, and Reporting

Flow's Security Central provides a security operations portal for your Nutanix infrastructure adding visibility and control of network traffic and Nutanix security configurations along with out of the box audit and reporting for common security and compliance regulations such as HIPAA, PCI, and NIST. You can also create custom audit checks to align with your specific security compliance needs.

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## PRICING AND AVAILABILITY

Nutanix Flow is built into the Nutanix software and works seamlessly with AHV virtualization. Capabilities are delivered with AHV and are licensed separately from AOS Editions.

	AHV	Flow License
Simple Service Insertion and Chaining	✓	
Network Automation	✓	
Application Flow Visualization		✓
Policy-Based Service Insertion and Chaining		✓
Application Security with Microsegmentation		✓
Flow Security Central: Compliance Audit and Reporting, Security Posture and Status Dashboards		✓



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