

VMware vRealize Network Insight and vRealize Network Insight Cloud

AT A GLANCE

VMware vRealize® Network Insight™ delivers intelligent operations for software-defined networking and security. It helps customers build an optimized, highly available and secure network infrastructure across multi-cloud environments. It accelerates application discovery, migration, micro-segmentation planning and deployment; enables visibility across virtual and physical networks; and provides operational views to manage and scale VMware NSX® deployments. It is also available as a cloud SaaS offering as VMware vRealize Network Insight Cloud™.

KEY BENEFITS

- Accelerate micro-segmentation planning and deployment
- Audit changes to the security posture and ensure compliance
- Troubleshoot quickly across virtual and physical network and security infrastructure
- Manage and scale NSX deployments with confidence
- Manage network and security across private clouds, public clouds and SD-WAN consistently
- Reduce business risk by mapping application dependencies during application migration planning
- Accelerate performance of your business-critical applications by optimizing your network and eliminating bottlenecks
- Operationalize Kubernetes and troubleshoot connectivity issues between containerized workloads

Accelerate application security and networking across private, public and hybrid clouds

Today's tools for monitoring the dataflow for optimum east-west traffic can be challenging and time-consuming because they involve manual processes. Niche and legacy network management tools do not provide converged visibility across virtual and physical networks to optimize performance. Customers need a simple, easy-to-use, end-to-end management tool to troubleshoot and get best practices compliance for NSX and VMware SD-WAN™ by VeloCloud® deployments.

With vRealize Network Insight, you can take the guesswork out of deploying micro-segmentation with a comprehensive NetFlow assessment to model security groups and firewall rules, and actionable recommendations for implementing micro-segmentation and monitoring compliance postures over time. In addition, vRealize Network Insight can help you improve performance and availability with converged visibility across physical and virtual networks. You can also simplify NSX operations management with an intuitive UI and natural language search to quickly pinpoint issues and troubleshoot, as well as get best practices deployment and compliance recommendations. vRealize Network Insight is available for deployment on premises or as a cloud software-as-a-service (SaaS) offering called vRealize Network Insight Cloud.

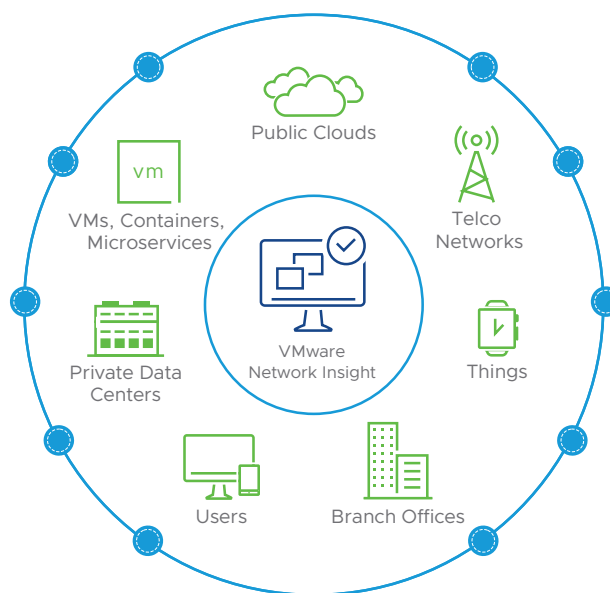


FIGURE 1: vRealize Network Insight provides security planning and network visibility across the virtual cloud network.

Use cases

- Plan application security and migration:
 - Accelerate micro-segmentation deployment
 - Troubleshoot security for the software-defined data center (SDDC), native AWS, Azure, VMware Tanzu™ Kubernetes containers, SD-WAN and hybrid cloud
 - Minimize business risk during application migration
- Optimize and troubleshoot virtual and physical networks:
 - Reduce mean time to resolution for application connectivity issues
 - Optimize application performance by eliminating network bottlenecks
 - Audit network and security changes over time
- Manage and scale NSX:
 - Scale across multiple NSX Managers
 - Boost uptime by proactively detecting misconfiguration errors
 - Ensure compliance for NSX

Feature matrix

CAPABILITY	vREALIZE NETWORK INSIGHT ADVANCED	vREALIZE NETWORK INSIGHT ENTERPRISE	vREALIZE NETWORK INSIGHT CLOUD	SD-WAN (ON PREMISES OR CLOUD SAAS)
Virtual Flows (VDS IPFIX, V2V, V2P)	•	•	•	
NSX Firewall Micro-Segmentation Planning and Operations (NSX IPFIX)	•	•	•	
Application Discovery Dashboard (Names, Tags, RegEx)	•	•	•	
NSX Day 2 Ops (Topology View, Health Checklist, Edge Load Balance Dashboard)	•	•	•	
Visibility Across Third-Party Switches, Routers, Firewalls and Load Balancers	•	•	•	
Public APIs	•	•	•	
DNS Mapping (Import Bind File)	•	•	•	
NSX PCI Compliance Dashboard		•	•	

CAPABILITY	VREALIZE NETWORK INSIGHT ADVANCED	VREALIZE NETWORK INSIGHT ENTERPRISE	VREALIZE NETWORK INSIGHT CLOUD	SD-WAN (ON PREMISES OR CLOUD SAAS)
ServiceNow Integration for App Discovery		•	•	
Security Planning and Visibility for VMware Cloud on AWS		•	•	
Amazon Web Services (AWS)		•	•	
VMware Cloud™		•	•	
VMware Cloud on AWS Direct Connect		•	•	
Microsoft Azure		•	•	
DNS Resolution with Infoblox		•	•	
Physical Flows (NetFlow v7 and v9, and sFlow)		•	•	
Visibility for VMware Tanzu, Kubernetes and Red Hat OpenShift		•	•	
Network and Security Analytics (Top Talkers, Anomalies, Outlier Detection, etc.)		•	•	
Configurable and Extended Retention Period for Data		•	•	
Cisco ACI, BGP-EVPN Underlay Visibility		•	•	
Flow-Based Application Discovery (Powered by Machine Learning)			•	
vRealize Operations Manager™ Integration	•	•	•	
VMware SD-WAN Visibility and Analytics				•

LEARN MORE

For more feature packaging details, refer to the [vRealize Network Insight 5.3 documentation](#).

VMware vRealize Network Insight on-premises term licenses are also available in one- and three-year subscription terms.

VMware vRealize Network Insight Remote Office Branch Office is available by VMs instead of CPU or public cloud vCPU.

VMware vRealize Network Insight Cloud is available in on-demand, one-, two-, three-, four- and five-year terms.

VDI is available by CCU.

For information or to purchase VMware products, call 877-4-VMWARE (outside North America, +1-650-427-5000), visit vmware.com/products or search online for an authorized reseller in your area at partnerlocator.vmware.com.

For detailed product specifications and system requirements, refer to the VMware NSX and vRealize Network Insight documentation at vmware.com/vrealizenetworkinsight.

CAPABILITY	vREALIZE NETWORK INSIGHT ADVANCED	vREALIZE NETWORK INSIGHT ENTERPRISE	vREALIZE NETWORK INSIGHT CLOUD	SD-WAN (ON PREMISES OR CLOUD SAAS)
VMware SD-WAN Application Discovery and Performance Optimization				•
VMware SD-WAN Application and Network Health Monitoring				•
VMware SD-WAN Connectivity, Path Visibility and Hotspot Detection				•
VMware SD-WAN Troubleshooting and Out-of-the-Box Analytics				•
VMware SD-WAN Capacity Planning				•
VMware SD-WAN Assessment				•
VMware SD-WAN Time Series Historic Insights				•
VMware SD-WAN Configuration Change Management				•

vRealize Network Insight for SD-WAN Edition

- End-to-end visibility of VMware SD-WAN connectivity to the cloud and the data center
- Flow and traffic analysis of applications and business services used by edge sites
- Site-/branch-level visibility and troubleshooting of connectivity to apps and the data center
- Licensing for vRealize Network Insight Cloud add-on for VMware SD-WAN is based on bandwidth and term

Support and professional services

VMware offers global support and subscription (SnS) services to all vRealize Network Insight customers. For customers requiring additional services, VMware also offers professional services engagements on best practices and getting started with your deployment, both directly and through an extensive network of certified professionals: vmware.com/services.

