At a glance

VMware vRealize Network Insight Universal, vRealize Network Insight, and vRealize Network Insight Cloud deliver intelligent operations for software-defined networking and security. These offerings help customers build an optimized, highly available and secure network infrastructure across multi-cloud environments. They accelerate application discovery, migration, network segmentation planning and deployment; enable visibility across virtual and physical networks; and provide operational views to manage and scale VMware NSX, VMware Cloud on AWS, VMware SD-WAN, VMware NSX Advanced Load Balancer™, VMware HCX®, and many other deployments.

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 VMware NSX®, VMware SD-WAN™, and VMware Cloud™ deployments.

With VMware vRealize® Network Insight™ Universal, vRealize Network Insight, and vRealize Network Insight Cloud™, you can take the guesswork out of deploying network segmentation with a comprehensive NetFlow assessment to model security groups and firewall rules, and actionable recommendations for implementing network 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 Assurance and Verification™ enables formal verification by using a unified mathematical model of how the network functions. This improves network performance with more proactive monitoring capabilities in comparison to typical reactive network monitoring. Business intent checks enable better network planning and troubleshooting, which result in the assurance of better uptime and network resiliency.

vRealize Network Insight Universal is available as an on-premises deployment or as a federated cloud software-as-a-service (SaaS) offering. vRealize Network Insight Cloud is a SaaS-only offering, and vRealize Network Insight is an on-premises-only offering.
Key benefits

- Accelerate network 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

Use cases

Networking

- Gain unified visibility across hybrid and multi-cloud environments
- Gain visibility for NSX, VMware SD-WAN, VMware HCX, Kubernetes, VMware Cloud on AWS, Amazon Web Services (AWS), Microsoft Azure, Azure VMware Solution, Google Cloud VMware Engine, Oracle Cloud VMware Solution, and VMware Cloud on Dell
- Achieve connectivity between overlay and underlay networks
- Enable end-to-end troubleshooting, traffic and path analytics
- Enable network assurance and verification
- Utilize guided network troubleshooting for intuitive root-cause analysis

Applications

- Enable application discovery and plan application migrations
- Measure application latency and performance
- Reduce mean time to repair (MTTR) for application connectivity issues
- Optimize application performance by eliminating network bottlenecks
- Analyze traffic and apps across hybrid cloud and multi-cloud

Security

- Plan app security and cloud migration
- Plan security, recommend firewall policies and network segmentation apps
- Troubleshoot security for hybrid applications and designated crown jewels across virtual machines (VMs), containers and clouds
- Map dependencies to reduce risk during app migration
## Feature matrix

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<th>vRealize Network Insight Enterprise</th>
<th>vRealize Network Insight Cloud</th>
<th>SD-WAN (On Premises or Cloud SaaS)</th>
<th>vRealize Network Insight Universal</th>
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<td>Visibility for VMware Tanzu® Kubernetes Grid™ Integrated Edition, Kubernetes, and Red Hat OpenShift</td>
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<td>Visibility of NSX-T Container Plug-in for OpenShift 4.x (Kubernetes cluster)</td>
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<td>Juniper Ethernet VPN VM-to-VM path</td>
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<td>VMware Cloud Partner Navigator™ for service providers and managed service providers (MSPs)</td>
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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 edges, VMware SD-WAN bandwidth and term length
- When used to monitor the data center, vRealize Network Insight for SD-WAN requires either vRealize Network Insight Universal, vRealize Network Insight Cloud, or vRealize Network Insight Enterprise

vRealize Network Insight Assurance and Verification

For each vRealize Network Insight Enterprise or vRealize Network Insight Cloud license purchased, the software will allow monitoring of one network device for the network assurance and verification feature. If monitoring of additional network devices is needed, the vRealize Network Insight Assurance and Verification SKU can be purchased. The term network device refers to routers, switches, firewalls and load balancers that are not processor or CPU based.

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.

Learn more

For more feature packaging details, refer to the vRealize Network Insight documentation.

VMware vRealize Network Insight on-premises term licenses are also available in one- and three-year subscription terms with VMware NSX. Read the VMware Product Guide for more information about vRealize Network Insight.

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

VMware vRealize Network Insight Universal and vRealize Network Insight Cloud are available in one-, two-, three-, four- and five-year terms. For more information, read the vRealize Network Insight Cloud service description.

vRealize Network Insight Universal is also available in vRealize Cloud Universal™ Enterprise Plus subscriptions. Visibility for 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.