

THE POWER OF NETWORK VISIBILITY ORCHESTRATION

Niagara Networks' NVC solution provides network operation teams with a powerful point-and-click graphical tool to quickly and seamlessly provision and manage visibility infrastructure via a centralized SDN orchestration platform.

- ✓ Enables intent-based visibility
- ✓ Simplifies and reduce operational expenses



Visibility is a key factor when it comes to network security and performance regardless of the size or complexity of the network. Single-pane of glass for the visibility layer is a critical mechanism for Network and Security Operations (NetSecOps) to enable them to locate, isolate, and provision network visibility solutions for performance and network security-related applications. Complete visibility is vital in maintaining control of your network and eliminating (or at least minimizing) blind spots and infrastructure downtime. As the number of visibility nodes in the network increases, it becomes harder to keep full situational awareness of the visibility layer. Managing the visibility layer on a node-by-node basis is often cumbersome inefficient and prone to errors.

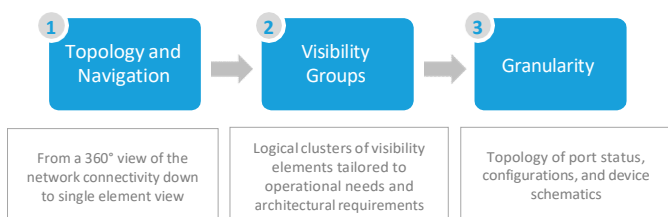
Intuitive tool for comprehensive visibility orchestration

Niagara Visibility Controller (NVC) is an SDN controller that streamlines visibility lifecycle orchestration as a framework and architecture for the ease of use to enable NetOps and SecOps to accomplish their tasks quickly and with fewer errors.

NVC enables seamless and intuitive intent-based visibility while reducing operational expenses. Such powerful solution is highly critical in management and configuration of the visibility infrastructure regardless of the number and type of nodes and enables seamless configuration by treating the interconnected visibility nodes as a single virtual visibility fabric.

Solution Highlights

- 360° Visibility dashboard for comprehensive Centralized Management and Control
- Auto discovery and topology visualization
- Visibility infrastructure configuration, provision and management for all visibility elements: packet broker, bypass and intelligent TAP
- Advanced provisioning for new and existing installed base – two-way configuration synchronization
- Advanced load balancing configuration support
- Hierarchical administration and management – role-based user management and permissions
- Centralized syslog management
- Device, group and port statistics and traffic metrics
- Easy-to-complete firmware updates, backups and configurations updates of multiple visibility nodes from single pane-of-glass
- Connected device health check status
- REST API north bound interface
- SDN based scalable architecture for large deployments and on various IT platforms




NVC empowers operational teams with a three-layered integrated approach for seamless management of the visibility layer.

Empowering Visibility Lifecycle Orchestration


Intuitive and fully manageable visibility tools are one of the best parts of Niagara Networks' visibility solution.

Since time is of the essence and we know, for example, that clicking and dragging connections is easier than programming each one, NVC offers a centralized management controller with extensive graphical display to simplify and minimize errors that typically occur with manual and complex configurations.

1 Topology View

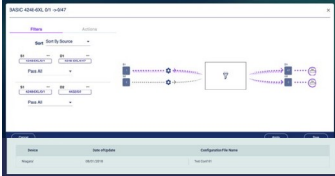


2 Situation Awareness and Node Visibility

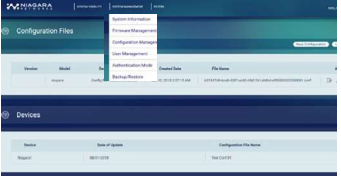


Orchestration of complex visibility scenarios across dispersed networks in simplicity of point & click GUI


3 FabricFlow clusters




4 Configuration Changes and Firmware Upgrades






NetOps
SecOps





Visibility Lifecycle Orchestration



Active TAP Passive TAP

Please contact us for the NVC demo



Specifications and Ordering

Host Machine Requirements		
Hypervisor	Vmware ESXi / vSphere, Oracle Virtualbox	
CPU	64-bit x86 CPU with virtualized acceleration enabled (minimum of 3.5 Ghz, 4 cores, 8 threads)	
RAM	Minimum of 64GB min	
Storage	Minimum of 46G, recommended 1TB	
Network	1Gbps	
NVC VM requirements		
Virtual CPU	Minimum of 3	
RAM	8GB	
vNic	1 vNIC (bridge mode)	
Supported devices		
Niagara N2 2847 / 2847 S2	Niagara N2 2845 / 2845 S2	Niagara 2825
Niagara 4432	Niagara 4248-6XL	Niagara 4272
Niagara 3808	Niagara 3299	Niagara 2804
Supported Browsers		
Google Chrome		

Note: NVC is delivered as an Open Virtualization Format (OVF) virtual machine image. The OVF is an open and secure format that can be used with different hypervisors and can be deployed in various virtualized cloud environments.

Part Numbers	
NVC-APP-STD	Niagara Visibility Controller software license, including license to manage up to five Niagara visibility nodes.
Licensing	
NVC-LC-G2	Additional licensing for 6-10 devices (per device)
NVC-LC-G3	Additional licensing for 11-20 devices (per device)
NVC-LC-G4	Additional licensing for for 21-50 devices (per device)
NVC-LC-G5	Additional licensing beyond 51 devices (per device)

About Niagara Networks

Niagara Networks provides high performance network visibility solutions for seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime, and total cost of ownership. A former division of Interface Masters, Niagara Networks provides all the building blocks for an advanced Visibility Adaptation Layer at all data rates up to 100Gb, including TAPs, bypass elements, packet brokers and a unified management layer. Thanks to its integrated in-house capabilities and tailor-made development cycle, Niagara Networks are agile in responding to market trends and in meeting the customized needs of service providers, enterprise, data centers, and government agencies. For more information please visit us at www.gch-services.com/network-visibility-and-analysis/

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