Nimbra Vision

Advanced Media Networking Management for Net Insight products

The Nimbra Vision NMS completes the Nimbra multiservice network by offering easy and cost-efficient network operations for demanding applications and services.
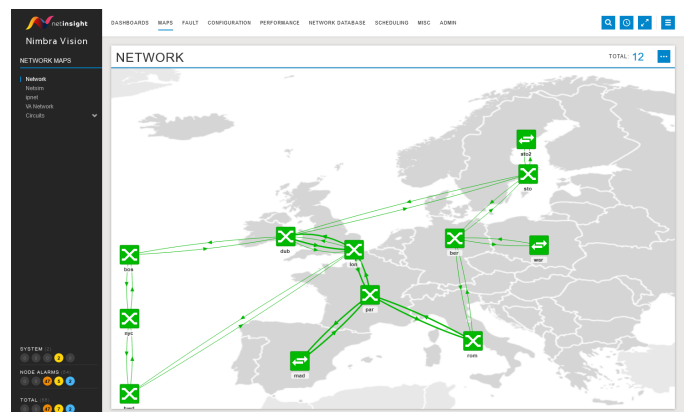
Nimbra Vision is a comprehensive network management tool providing a superior overview of the operation of a Nimbra/Aperi network. With Nimbra Vision, the operator has control over every activity inside the network. A centralized network view is key for keeping operating costs to a minimum. Nimbra Vision continuously monitors the network for faults and performance degradation and presents the network status in a graphical user-friendly interface.

Easy, powerful provisioning

A Nimbra network is unique in its ability to control and manage each individual service on a end -to-end basis. Tomake the most out of this capability of the network, Net Insight's approach to network management is service- centric. Using Nimbra Vision, the provisioning task is easily performed with full graphical support using the topological network map or by third party systems using northbound REST API.

Scheduling and booking

Nimbra Vision supports scheduling and booking of services with resource reservation. The Scheduling and Booking can be performed directly in Nimbra Vision or by 3'rd party orchestration systems through the northbound REST API. It also supports auto-route for unicast, multicast and 1+1 protection, and where made reservations are considered.

Advanced monitoring

Performance Monitoring is performed in real time and continuously per service, per trunk and on the incoming signal. This offers an instant overview of the performance of all services and the underlying network. This information can be aggregated and consolidated over both time and topology to generate reports for SLA follow up both against customers and capacity provider. The performance information can generate alarms for immediate and preventive actions in degraded performance.

Flexible protection

Service protection is easily configured per individual service to provide the expected level of resiliency, whetherIt is a prioritized list of paths through the network, any flavor of 1+1 protection, or disaster recovery such as head-end protection.

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Key features

Intuitive Web Management

Nimbra Vision includes a powerful and yet intuitive web interface that lets you control the full range of Nimbra Vision functionality.

Auto-discovery of devices

Nimbra Vision automatically discovers most information related to installed nodes such as topologies, interfaces and ports, services and configuration.

Topological device maps

Nodes and links are presented in a dynamic topological map of physical and logical topologies including services.

Pre-emption

In network failure situations or at service provisioning, Nimbra Vision may allow high-priority services to be established or rerouted by pre-empting low-priority services.

Head-End Protection

Redundancy of Nimbra headend nodes is enabled by configuring primary and secondary connections. Nimbra Vision will activate the secondary connection in case of signal or node failure.

Service Provisioning

Easy end-to-end provisioning of services by selecting the originating and terminating nodes from the map. Manageservices with based on easy to use service templates.

Scheduling and booking

Scheduling and booking for provisioning of services for occasional use services including resource reservation.

REST API for Service provisioning

A northbound REST API allows integration with 3rd party scheduling and booking systems for provisioning of services.

Performance Monitoring

Collects PM on trunks, access ports and services reports from the network elements. Also collects statistics, including trunk utilization, bitrate, counters and other values. It is also possible to generate alarms on thresholds.

Technical specifications

Web Client			
Browser	Edge (Chromium), Chrome, Firefox, Safari	NPM0003-DS01	Nimbra Vision SDN Controller Frontend License
		NPM0004-0001	Nimbra Vision Installation and Documentation CD
Nimbra Vision Server		NPM0003-SU01	Nimbra Vision Upgrade License
Operating System	Windows Server 2012R2, 2016, 2019, Windows 10	NPM0003-PIN1	Nimbra Vision Northbound Provisioning Interface License
Ordering Information		NPM0056-0001	Nimbra Vision Web Client Feature License
NPK0003-S002	Nimbra Vision SDN Controller	NPM0057-0001	Nimbra Vision Performance Monitoring Feature
NPM0058-0001	Nimbra Vision Visualization Feature License	NPK0035-0001	Nimbra Vision CPN Bundle
NPM0003-SP01	Nimbra Vision Service Provisioning License	NPK0036-0001	Nimbra Vision NMS Provisioning Bundle Node Licenses
NPM0003-HP01	Nimbra Vision Headend Protection License		
NPM0003-PRE1	Nimbra Vision Pre-emption License	NPM0003-C301	Nimbra Vision Node License, Nimbra 300
NPK0003-RS02	Nimbra Vision Redundant Server License	NPM0003-C301	Nimbra Vision Node License, Nimbra 300
NPM00003-SH01	Nimbra Vision Scheduling	NPM0003-C601	Nimbra Vision Node License, Nimbra 68x
NPM00003-AR01	Nimbra Vision Auto-Route	NPM0003-C641	Nimbra Vision Node License, Nimbra 640
		NPM0003-NM01	Nimbra Vision Node License, Nimbra Media GW
		NPM0003-C130	Nimbra Vision Node License, Nimbra 130
		NPM0003-C140	Nimbra Vision Node License, Nimbra 140
		NPM0003-C230	Nimbra Vision Node License, Nimbra 230
		NPM0003-VA01	Nimbra Vision Node License, Nimbra VA
		NPM0003-OT01	Nimbra Vision Node License, Nimbra OT 100
		NPM0003-3P01	Nimbra Vision Node License, 3rd party node
		NPM0003-AP01	Nimbra Vision Node License, Aperi CSP
		NPM00003-AR01	Nimbra Vision Auto-Route

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