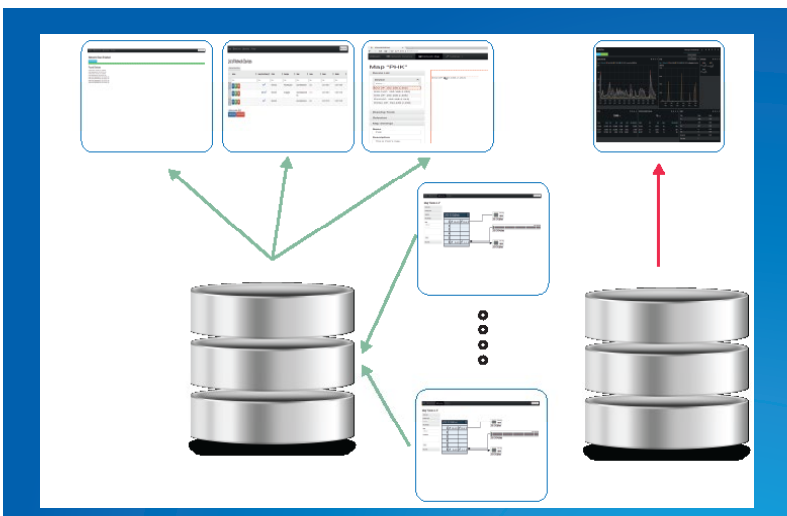


# Cubro Visibility Management System

## PRODUCT REVIEW



Network visibility is a success factor running any kind of networks from enterprise to large service provider networks. Besides performance, fraud and security applications are also a part of the network visibility infrastructure.

Network visibility is a network within the network, and this part can be very complex. Many devices from different vendors must be controlled smoothly from one single point to keep the opex cost down and the Visibility Network stable running.

### Functions / Benefits:

- Cubro Visibility Management System (CVMS) adds functionality and extends the usage of the Visibility Network.
- The CVMS can fully automate and take care of the network. It alarms, repairs the function and brings up spare units if needed.
- It is a part of the monitoring because it receives counter and flow statics information. The information reports can be used for making graphs.
- Furthermore, actions can be triggered on the results of this data (for example: trigger a packet capture).

## CVMS

### At a glance

#### Definition

A centralized looking glass for unit management and unit interconnection management (flow handling).

#### Advantages of CVMS

- Small foot print
- Multiuser with screen to screen update
- Can be customized to customer's requirement
- Open design
- Open database design (mongoDB) Big Data integration
- Advanced auto scan function
- Netflow probe integration (road map)
- Centralized upgrade management
- Update multiple devices at once
- Flexible MAP background support
- Multi task and multi event software design

## PRODUCT CAPABILITIES / FEATURES

Identification Feature	Scanning the network for manageable devices.
Connection scanning	A continuous running process detects connections between Cubro devices fully automated.
Open System	CVMS provides an API for north and southbound integration.
Small Footprint	CVMS is provided as virtual appliance for very fast deployment.
Web UI	CVMS is using the latest HTML5 techniques, without FLASH and JAVA applets to secure the system.
Multi screen Update	This advanced technique updates the screens (UI) of multiple users without refreshing. This avoids misunderstanding in larger installations.
No limit of units	The software is a one time purchase and supports as many units the customer wants to add to the system.
Configuration / Communication	HTTPS/SSH

# ADVANCED FUNCTION DESCRIPTION



### Bootstrapping, Configuration and Change Management

Given that a Visibility Network is readily setup, a central controller can adequately manage the different devices and the traffic on the user and data plane. That is, however, exactly one of the challenges to solve. How to get the Visibility Network to be setup? How to assign the different Visibility devices to their monitoring point?



### Configuration transparency and visualization

The approach is to simplify the configuration process and on the other side avoid loss of transparency. The flexible inventory and visualization tools help not to lose the control over the Visibility Network. North bound API's and south bound API's can be integrated and can also control any kind of device.



### SLA monitoring and compliance

The requirements to Visibility Networks mentioned earlier even go one step further. Assuring the correctness and transparency of the setup as mentioned before only guarantees that path layouts, flow rules, etc. are setup in a way as desired during the configuration process. To assure the effectivity of resource management and traffic engineering actions and thus the satisfaction of the customers using the infrastructure, however, more than just the correctness of the setup is needed. SLAs have to be met to assure that the users really get what they expect and what they pay for.

# ORDERING INFORMATION

#### Product Components:

- Cubro Visibility Management Appliance

Part Number	Description
CUB.CVMS	Centralize Visibility Management System

For more information please check our website [www.cubro.com](http://www.cubro.com)