

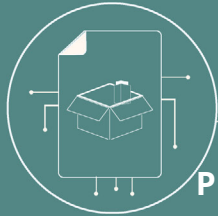


Centralized Management Software - Cubro Vitrum



Product Brief

July 2024



Key Highlights of Vitrum

- Centralized management platform for network visibility solutions
- Inventory database
- Batch backup and restore
- Easier troubleshooting via SmartViews
- Visually extract relevant information
- Reduce monitoring costs
- Customizable counter and statistics visualizations
- Error notifications
- Instant remote collaboration

Introduction

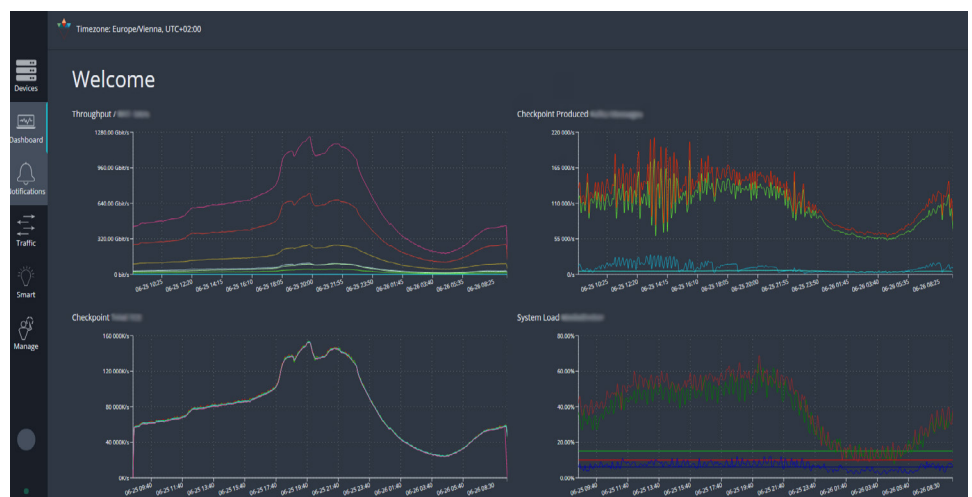
The enhanced next generation Vitrum (Vitrum NG) is Cubro's centralized management software, delivering a coveted „single pane of glass“ interface for overseeing Cubro devices. This platform enhances network team efficiency through a comprehensive suite of features for management, monitoring, and alerting within a unified, multi-user application. Vitrum includes robust capabilities such as asset discovery and inventory management, streamlining these tasks even as network infrastructures expand.

Cubro Vitrum graphically displays traffic parameters over time for faster troubleshooting. Easily compare traffic indicators from various sources to swiftly identify and resolve issues like packet loss, ensuring accurate data delivery to your monitoring systems.

Experience automatic 24/7 health monitoring of your network packet brokers. Detect performance degradation or hardware issues at the earliest possible moment, eliminating the need for cumbersome and costly SNMP tools.

Moreover, Vitrum offers a centralized repository for one-click configuration backups and deployments, along with scheduled firmware upgrades. This significantly reduces device provisioning time and minimises downtime during maintenance windows.

Vitrum equips network administrators with powerful tools to efficiently manage and optimise Cubro devices, ensuring streamlined operations and proactive network management.





Main Features and Benefits

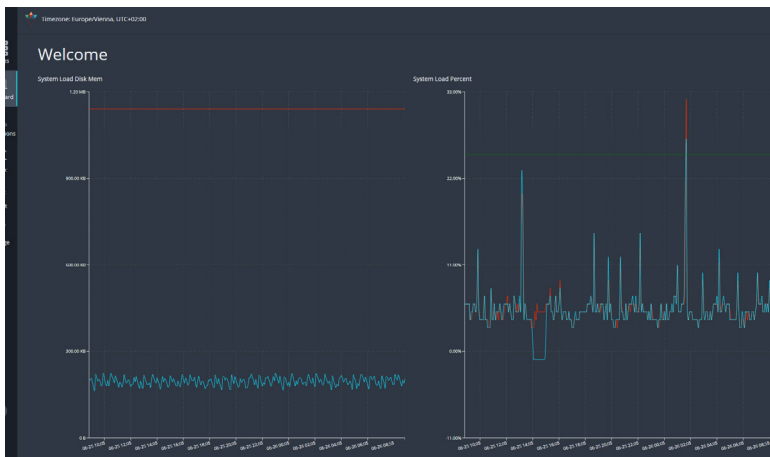
Inventory Database

Cubro Vitrum effortlessly simplifies device tracking. Forget about memorising IP addresses—simply access each device’s management website with a single click. Devices and ports can be easily named and annotated, providing clear visibility into each network equipment’s role.

Batch Backup

Configuration backups for all Cubro Network Packet Brokers can be initiated with a single click. These backups can then be swiftly transferred to other devices, facilitating quick device cloning or preparation of backup devices.

Name	Status	Model	Vitrum	Serial Number	IP
EM46100 11.64	Online	EM46100	PTX GIG. SWITCH VL6016	19030000	10.11.11.64
CX2 11.232	Online	CX2	1.2.1.3.0	EX200000000	10.11.11.232
EM46200 11.148	Online	EM46200	N/A	EX200000000	10.11.11.148
EM46200 11.48	Offline	EM46200	N/A	EX200000000	10.11.11.48
EM432100A 11.32	Offline	EM432100A	N/A	201000000	10.11.11.32



Statistics and Dashboards

Cubro’s innovative “SmartViews” enable the creation of customised dashboards tailored to display pertinent information. Whether comparing ingress port counters to aggregated egress counters for packet loss analysis or calculating bandwidth gaps across multiple monitoring systems, the tools are readily accessible.

Error Center & Notifications

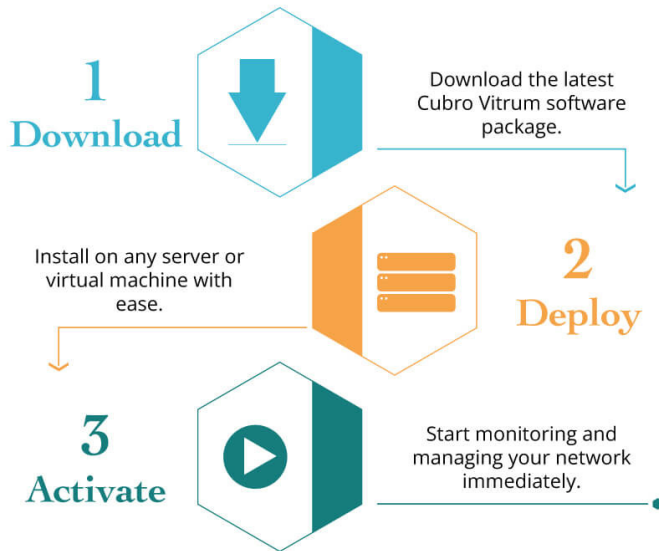
The error centre consolidates error events (e.g., device offline, port down) and issues on-page notifications for immediate attention. It maintains a comprehensive log of all historical events for linked devices.

Time	Source	Severity	Name	Message	Total
2024-06-26 06:33:08	Power Down	High	EM46100 11.64	Power status changed - Power fails	1
2024-06-26 02:00:57	Ping	Medium	EM46100 11.64	IP host not reachable	1
2024-06-26 02:00:57	Ping	Medium	CX2 11.232	IP host not reachable	1
2024-06-26 02:00:57	Ping	Medium	EM46200 11.148	IP host not reachable	1
2024-06-26 02:00:56	Ping	Medium	EM432100A 11.32	IP host not reachable	1
2024-06-25 14:31:01	Backup	Medium	EM46200 11.48	Getting backup failed	1
2024-06-25 10:28:24	Link Up	Info	EM46200 11.148	port 13 link state switched to 1 (1 tx up, 2 tx down)	1
2024-06-25 10:28:23	Link Down	Medium	EM46200 11.148	port 13 link state switched to 2 (1 tx up, 2 tx down)	1
2024-06-25 10:28:22	Link Up	Info	EM46200 11.148	port 13 link state switched to 1 (1 tx up, 2 tx down)	1



Real-time collaboration

Cubro Vitrum supports simultaneous usage by multiple users, ensuring instant visibility of actions across all users.

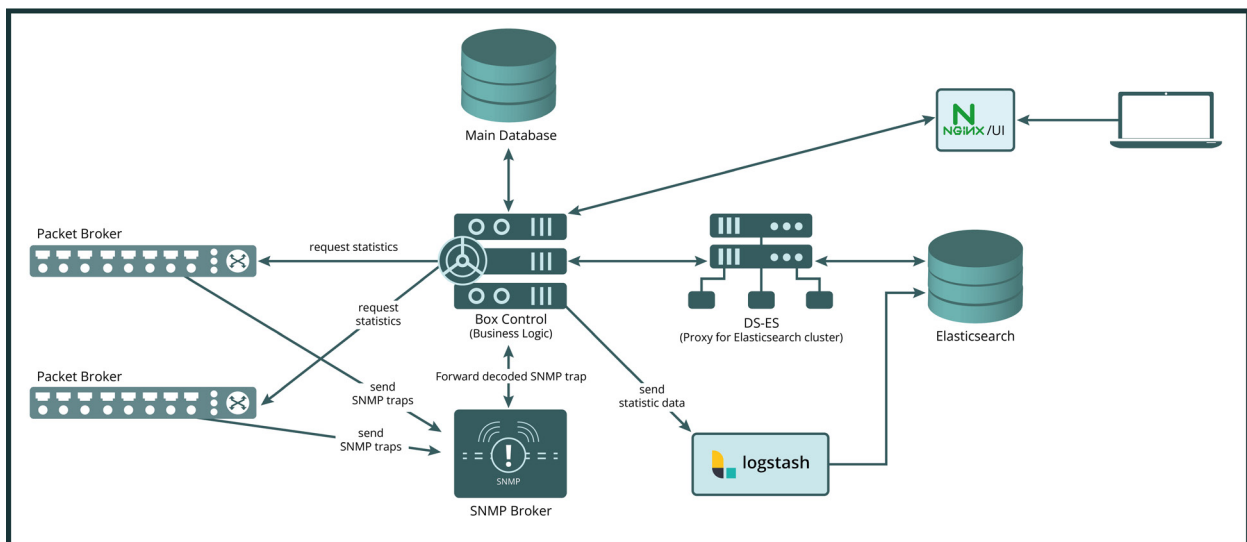


Deployment via docker container
Cubro Vitrum is packaged as a deployable container. It can be seamlessly integrated into existing host systems for immediate deployment and utilisation.

Modular and scalable software design

Cubro Vitrum is engineered with a modular and scalable architecture. Should a single host's performance prove insufficient, Vitrum can be partitioned and distributed across multiple servers to enhance scalability and performance.

Logical Architecture



For more information or to request a free demo, please contact support@cubro.com.