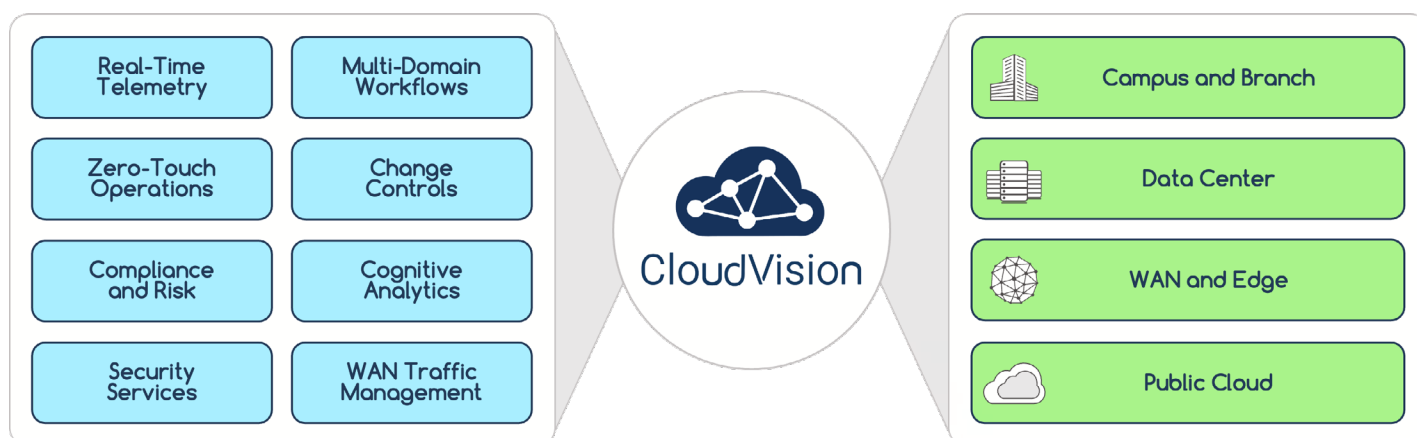


CloudVision®



Most modern day network environments, from the campus to the data center and everything in between, continue to strive towards an as-a-service oriented operational model. This operational model promises utmost resource efficiency, agile provisioning, comprehensive security models, and rapid problem resolution capabilities. However, these newer operational models also require new levels of visibility, control and automation enabling the required level of efficiency that the largest cloud titans have previously mastered. Arista's CloudVision® enables organizations to effectively move towards this highly desired operations model with a cohesive set of integrated services that operate consistently across multiple domains within the network. CloudVision can be deployed on-prem or leveraged as a cloud-based service called CloudVision-as-a-Service or CVaaS. CVaaS customers can start using CloudVision right away without the need to provision and manage a cluster of servers.





Real-Time Telemetry

A key enabler of CloudVision's power is an embedded data lake, NetDL. NetDL maintains real-time state streamed from all Arista EOS-based devices and several 3rd party services. This telemetry enables a full view of the network state including devices, protocols, and services, maintained in a time-series manner for snapshotting or historical review. Now, an operator can go back in time to review root cause anomalies thereby significantly shortening time to resolution.



Multi-Domain Workflows

CloudVision delivers a common UI and set of capabilities applied to multiple network domains including campus and Wi-Fi, branch, data center, WAN, and private cloud. Tailored dashboards give relevant inventory, client information, health metrics and guided quick action workflows to specialized domain operators. This capability also enables end-to-end visibility and troubleshooting with a common set of tools and services while accessing them through a tailored domain-specific UI view.



Zero-Touch Operations

CloudVision Studios provides an intuitive configuration design, verification, installation, and documentation capability based on simple inputs and maintains these throughout the operational life cycle of the device. Zero Touch Provisioning (ZTP) enables new switches to be deployed automatically by retrieving their predesigned configurations upon power up. Together one could create configurations for the entire network even before the switches arrive onsite.



Change Controls

Integrated change controls enable operators to build templates of change actions and then submit the change for review and approval prior to completion. Actions can also be created with placeholders so common actions can be reused with different groups of devices. The change control templates can also include pre- and post- network state snapshots, custom action scripts, and verification tests which are run before and after an actual change to ensure the change is properly completed.



Compliance and Risk

CloudVision can be used to address audit and compliance requirements, including device inventory, configuration, and image versions. Notification for bug alerts, security and PSIRT announcements are presented via real-time updates from www.arista.com helping to keep the operator aware of the latest recommendations. Required changes can then be scheduled and completed with a full audit trail. This can all happen within a fraction of the time it would take even for a manual audit of the devices.



Cognitive Analytics

CloudVision Analytics applications take full advantage of the vast data collected by NetDL to give an unprecedented level of visibility into an organization's network operations. Leveraging CloudVision UNO (Universal Network Observability) extends this visibility all the way to now include workloads (AI, bare-metal, virtual), third-party devices and multi-tier applications for data center, campus and AI deployments. This capability delivers an AI-driven, 360° observability that integrates real-time telemetry across networks, users and applications, enabling organizations to maintain peak performance, pinpoint inefficiencies, and accelerate issue resolution.



Security Services

CloudVision provides the management service for Arista's switch-based micro-perimeter security solution called MSS or Multi-Domain Segmentation Service. Arista MSS dashboards ease efforts to effectively deploy micro-perimeters that restrict lateral data movement in networks and thus help enable a true end-to-end zero trust security posture. Zero trust can truly be zero trust from application to user and back even within a virtual workload based application environment.

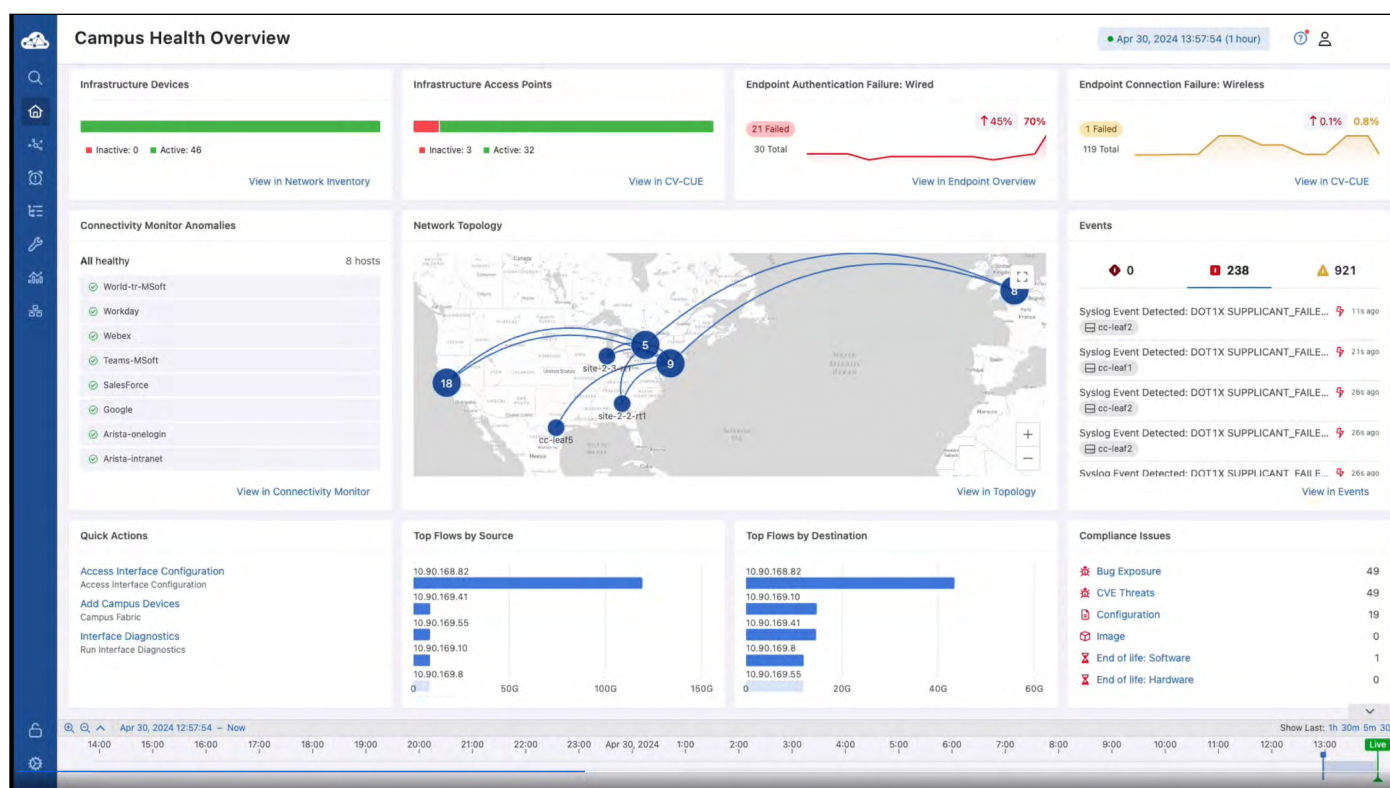


WAN Traffic Management

CloudVision includes the Pathfinder Service for the enterprise WAN traffic management. Operators can manage their global WAN infrastructure including WAN site management, WAN fabric provisioning, policy management, traffic engineering, monitoring, and troubleshooting. Pathfinder enables a profound shift from legacy CLI configuration to a model where configuration and traffic engineering are automatically generated, tested, and deployed, resulting in a self-healing network.

Turnkey Management Solution

CloudVision delivers a turnkey solution for the management of multi-domain networks built upon EOS. The comprehensive set of services leveraging the vast unparalleled amounts of real-time and historical network state give the operator an end-to-end view and control of their network with a degree of automation and simplicity long lacking in the industry. CVaaS is the best way to get started today.



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