

Versa Analytics

Product Description

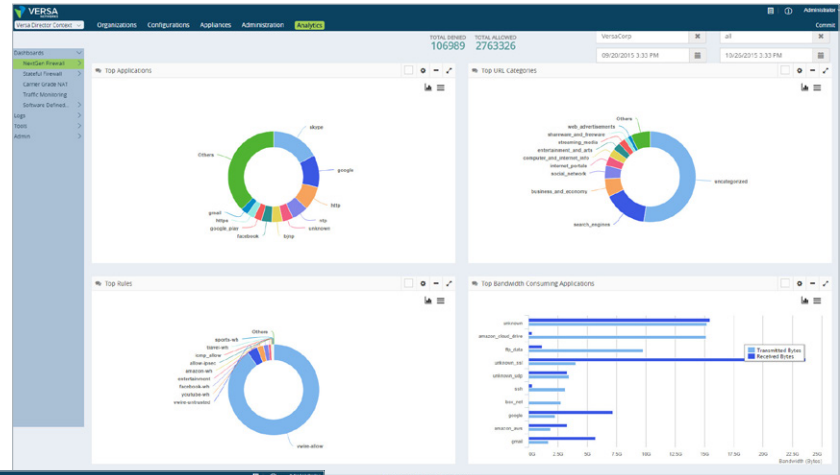
Networking is strategic to business. As per the latest industry data, through 2017 networks will see a 28% compound annual growth rate for bandwidth. While 50% of application deployments will suffer performance impact due to networking limitations. There will be a three-fold increase in security attacks year over year. Therefore, more important than ever, network visibility and control, predictability, adaptability and a feedback loop based on analytics data is a necessity for a trouble free and secure network. A strong analytics solution increases both the degree of seeing and the degree of timely action.

Versa Analytics is purpose-built for Versa FlexVNF and managed services. It is a rich real-time big data solution that provides visibility and control, base-lining, correlation, prediction and feedback loop into Versa VNFs. It provides real-time and historical search, reports on usage patterns, trends, security events, and alerts. Versa Analytics analyzes huge amounts of data sent from FlexVNFs to present critical data points as actionable analytics and reports. Tight native integration with Versa VNFs ensures optimized storage, search and performance.

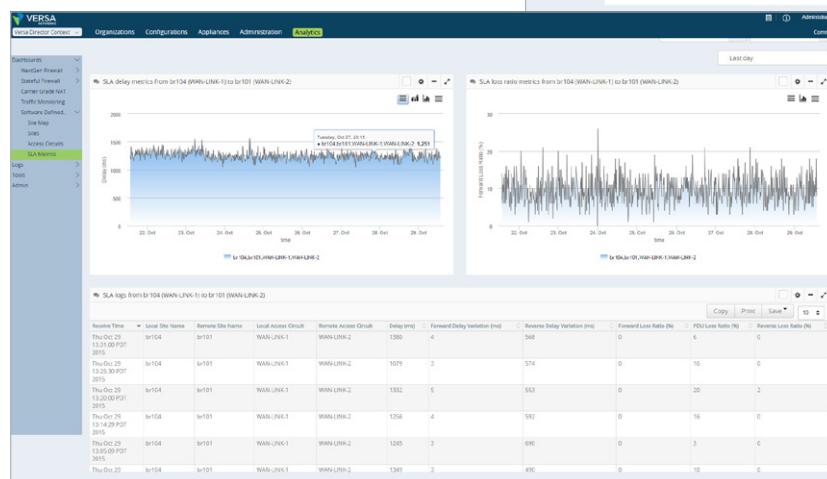
Versa Analytics has built-in multi-tenancy that enables a single cluster to provide service for hundreds of customers, enabling deployment flexibility and economy of scale. It tightly integrates with Versa Director for complete role-based access control. It is operations-ready and supports standard protocols and log formats, such as Syslog and IPFIX, making it compatible with existing SIEM, monitoring, and reporting systems. Versa Analytics is extensible and flexible via REST APIs.

It is drastically less expensive compared to other third party solutions.

The result is carrier-grade, multi-tenant big data analysis for realizing the full value proposition of Versa VNFs.



Security Reports



Network Reports

Product Features

Data Logging Framework	Security Reports
Highly scalable, reliable, optimized, policy-driven data logging framework for all Versa services	Firewall reports per tenant: top rules, zones, source, destination by IP/domain name/geo location, ports, protocols, session duration, QoS, DDoS and Flood detection
Multiple transports	Application reports: top L7 applications by risk, productivity, family and sub-families based on sessions, volume and throughput
Multiple log formats – IPFIX, syslog	Web traffic reports: top web traffic by URL categories and reputation
Streaming of logs to one or more 3rd party collectors	Threat profile reports: URL filtering and captive portal actions, IDS/IPS, anti-virus, SSL certificate anomalies, etc.
Reports & Analytics	Forensics: packet capture for known/unknown applications and detected vulnerabilities
Real & historical time series log event reporting for various Versa VNFs	Anomalies
Traffic usage/protocol anomaly detection through trend lines and confidence band	Support of anomaly detection in traffic pattern/usage
Prediction-based on extrapolation of trending data	Support for custom applications to detect anomalies and take actions (send traps, program policies, etc.)
Ad-hoc and scheduled reports	GUI
Predefined and custom report templates	Dashboard views for SD-WAN, security, vCPE functionality per tenant, per FlexVNF
Report export formats: csv, pdf, xls, email notification	Visualization using charts, real-time views, maps, grids
Search	Drilldown support to analyze data instantly for a given time range, detect trends and anomalies
Multi-column search with drilldown	Automatic data enrichment
Generic and custom queries	Flexible reporting framework
Correlation searches	Management
Network Reports	Role-based access control
Traffic reports per site: availability, bandwidth usage per access circuit, bandwidth usage per application, latency/loss, QoS per access circuit	REST APIs for Versa and 3rd party Apps
Multi-site reports: connectivity, bandwidth usage and SLA metrics between sites	Historical log archival and cleanup
CGNAT reports: NAT events, pool utilization etc.	

System Requirements

In production networks, we recommend using bare metal for running Versa Analytics functionality to get optimal scaling and performance.

Storage	Operating System
512GB or more. SSD, SATA/SAS drives. SSD is recommended	Ubuntu 14.04
Processor	Web Browser
2 socket server – 12 cores per socket, Intel Xeon 64bit processor	Chrome, Firefox
RAM	
64GB-128GB	

About Versa Networks

Founded by network industry veterans, Versa Networks is an innovative vendor in the NFV and virtualized network functions (VNF) market. Versa solutions allow service providers and large enterprises to transform the WAN and branch network to achieve unprecedented business advantages. Versa's software-based approach provides unmatched agility, cost savings and flexibility vs. traditional network hardware. The company is backed by premier venture investors Sequoia, Mayfield and Verizon Ventures.



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