



Versa Analytics

Product Description

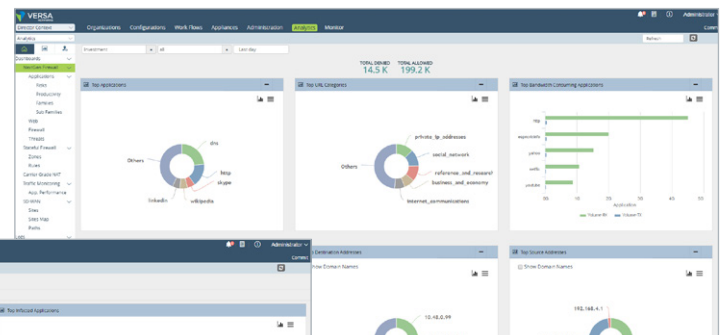
Networking is strategic to business. As per the latest industry data, through 2017 networks will see a 28% compound annual growth rate for bandwidth. While 50% of application deployments will suffer performance impact due to networking limitations. There will be a three-fold increase in security attacks 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, baselining, 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.

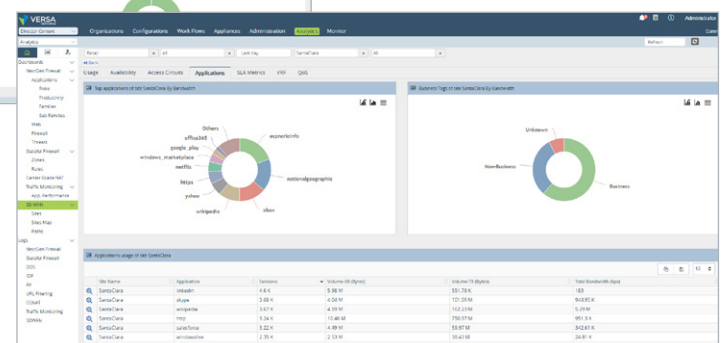
It is drastically less expensive compared to other third party solutions.

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

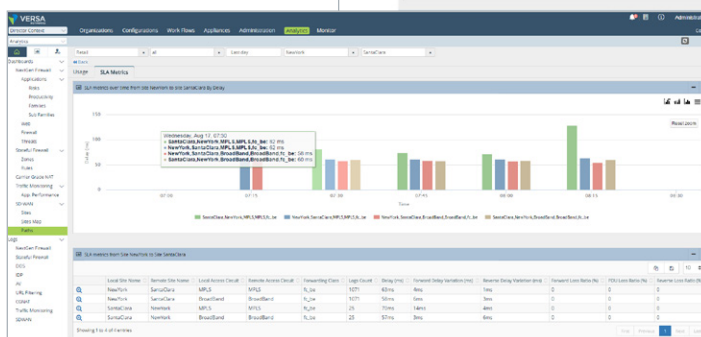


Versa Analytics Dashboard

Versa Analytics Threats Dashboard



Versa Analytics Top Applications Usage (Site View)



Versa Analytics SLA Metrics Dashboard

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	Anomalies
Real & historical time series log event reporting for various Versa VNFs	Support of anomaly detection in traffic pattern/usage
Traffic usage/protocol anomaly detection through trend lines and confidence band	Support for custom applications to detect anomalies and take actions (send traps, program policies, etc.)
Prediction-based on extrapolation of trending data	GUI
Ad-hoc and scheduled reports	Dashboard views for SD-WAN, security, vCPE functionality per tenant, per FlexVNF
Predefined and custom report templates	Visualization using charts, real-time views, maps, grids
Report export formats: csv, pdf, xls, email notification	Drilldown support to analyze data instantly for a given time range, detect trends and anomalies
Search	Automatic data enrichment
Multi-column search with drilldown	Flexible reporting framework
Generic and custom queries	Management
Correlation searches	Role-based access control
Network Reports	REST APIs for Versa and 3rd party Apps
Traffic reports per site: availability, bandwidth usage per access circuit, bandwidth usage per application, latency/loss, QoS per access circuit	Historical log archival and cleanup
Multi-site reports: connectivity, bandwidth usage and SLA metrics between sites	
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 SD-WAN and SD-Security market. Versa's solutions enable service providers and large enterprises to transform the WAN and branch networks to achieve unprecedented business advantages. Versa's carrier-grade NFV software provides unmatched agility, cost savings, and flexibility, compared to traditional network hardware. The company is backed by premier venture investors Sequoia, Mayfield, Artis Ventures and Verizon Ventures.

For more information visit <http://www.versa-networks.com> and follow us [@versanetworks](https://twitter.com/versanetworks).

