

[ At-A-Glance ]

# SEVONE DATA APPLIANCE: REAL-TIME NETWORK AND INFRASTRUCTURE PERFORMANCE MONITORING.

SevOne Data Appliance, a family of metric and flow appliances based on the SevOne Cluster™ Architecture, that can be deployed on prem or your private instance in a public cloud, has the proven scale to meet the data extraction and data enrichment needs of the world's largest networks, transforming raw data into actionable, real-time insights to meet the agility, reliability and business efficiency needs of large enterprises, CSPs and MSPs.

SevOne Data Appliance extracts the broad range of metric and flow from all layers of virtual and physical networks and infrastructure. Data Appliance can also be extended with user experience data through our partnership with AppNeta. Leveraging a growing set of data enrichment techniques including automated baselining, anomaly detection and topology awareness, Data Appliance helps reduce service delivery risk through integrated alerting and reporting.



## EXTRACT.

Extract billions of data points a day you need from across your multivendor network and infrastructure—including metric, flow, user experience and/or meta data

## ENRICH.

Automated enrichment of your data including baselining, trending, topology awareness, alerting, reporting and more

## STORE.

Store raw data and enrich it for reporting purposes while making it available to external business systems and/or SevOne Data Insight

## WHY SEVONE DATA APPLIANCE FOR METRICS?

SevOne Data Appliance NMS is today's fastest, most scalable and most comprehensive metric data collection, monitoring, and analysis solution. SevOne Data Appliance supports the extraction, enrichment and storage of billions of data points a day from across the largest multi-vendor enterprise, CSP, and MSP networks and infrastructure.

### Monitor Any Device

- Leverage a library of thousands of different device types from across your multi-vendor network - routers, switches, firewalls, load balancers, physical and virtual servers, and more.

### Easily Monitor SLAs

- Guarantee availability and improve customer satisfaction

### Get Real-time and Historical Reports

- Ensure customer and end-user success and transparency, with visibility across the business

### “Out of the Box” Support

- Automatically integrate metrics from thousands of different devices and technologies with built-in support for extracting metrics using a variety of methods including: DNS, HTTP, ICMP, IP SLA, VMware, JMX, NBAR, Proxy Ping, SNMP, WMI and more

### Not Supported “Out of the Box”? SevOne Can Help

- Retrieve or import any data that can be made available in a flat file format. SevOne Data Appliance has the ability to programmatically parse CSV, XML, JSON and other file types through use of SevOne Data Collectors and Adapters.

### Enable REST-based API Platform Automation

- Automate platform operations actions such as the creation, deletion and updating of objects, devices, sources, metadata, alerts, policies, groups, reports and maps

### Make the Most of Your Resources

- Optimize the economics of the business today (e.g. datacenter power/cooling analysis, server and CPU/workload utilization)

### Plan for Capacity

- Confidently plan for needs like WAN links, CPU utilization and power usage

### Baseline at Scale

- Automatically baseline every data metric you collect and get alerts when real-time performance deviates from historical norms

### Flexible Threshold Management

- Leverage a range of threshold policy options including standard deviation from norm, time over threshold and count over time.

### Get Answers in Seconds

- Consolidate disparate tools into a single platform and dashboard

### Give Context to Your Infrastructure

- Discovery and topology of L2/L3 device relationships with real-time status overlays for Cisco ACI, MPLS LDP tunnels and VMware-based infrastructure. Relationships are stored as metadata and can be accessed via a topographical display or the SevOne API

### Plan for Maintenance Windows

- Proactively create, view, edit and delete device level maintenance windows via UI or REST API

### Extend Data Appliance - SDN, SD-WAN & Wi-Fi

- SevOne Data Collectors for next generation SDN, SD-WAN and Wi-Fi based networks including Cisco ACI, Cisco SD-WAN, Versa, Nuage and Cisco Aironet are available.

## WHY SEVONE DATA APPLIANCE FOR FLOWS?

With real-time flow analysis, the SevOne Data Appliance DNC helps you pinpoint potential problems on the spot. SevOne Data Appliance not only allows you to quickly and easily spot bandwidth hogs and wasteful traffic; it also gives you insight into how specific applications are using your network. This information is critical when it comes to prioritizing traffic and creating policies that help eliminate waste.

### Identify Rogue Applications

- View and customize lists of recognized applications attained through port-based identification
- Use “Type of Service” (ToS) Filters to identify the traffic running on your network, non-approved applications consuming bandwidth, and the impact on your Quality of Service (QoS) policies

### Pinpoint Top Talkers

- Quickly identify what type of traffic contributed to a spike, resolve DNS issues and check the “Next Hop” using the SevOne Top Talkers report

### Gain Immediate Access to Historical Data

- Store up to seven days of raw flow data and one year of aggregated flow data at one-minute intervals for each report template and interface

### Troubleshoot DNS Storms

- Troubleshoot low bandwidth and high impact events like DNS storms

### Detect Micro Spikes

- Use one-second visibility of raw data to see small bursts of traffic that other tools miss

### Flow Alerting and Enhancements

- Create policies and thresholds and generate alerts based on flow data

### Broad and Scalable Flow Support

- Avoid being limited to predetermined fields or templates, with the ability to monitor NetFlow v5/v9, Flexible NetFlow, Citrix AppFlow, Cisco NAM, Cisco Medianet, Cisco AVC, NBAR/ NBAR2, IPFIX Object Template support, NetFlow variable length support, sFlow, NetStream, Juniper J-Flow, and 200+ other available fields of NetFlow
- Collect up to 12 million flows per minute, and grow data collection infinitely as part of the distributed SevOne NMS Cluster architecture

## WHAT KIND OF DATA IS SUPPORTED?

### Data Collection Type

### Protocols and APIs Supported

Polling Technologies

SNMP v1-v3, ICMP, DNS, HTTP, NBAR, QoS

Flow Collection

NetFlow versions 5-9, IPFIX, sFlow, J-Flow, Citrix AppFlow

Response Time

IP SLA, ICMP, TCP Port Response, HTTP, and URL

VoIP Telephony

RTCP, SIP, and SOAP

Servers and Applications

SNMP, WMI, JMX, vSphere API, and Process Polling

3rd Party Data

SOAP API, xStats

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