SANDVINE

KEY BENEFITS

- Reduced network costs through deferred equipment CAPEX and lower OPEX

- Increased application and user QoE by alleviating congestion and prioritizing key applications

- Ensures SLAs are maintained via increased visibility into network operations

- Reduced trouble tickets and high NetOps productivity through proactive problem identification and resolution.

Enterprise Network Observability and Optimization Solution

Continuous automated network optimization using advanced analytics and contextual controls

Organizations face continual challenges balancing application and bandwidth demands on their networks with cost. Sandvine's Network Observability and Optimization provides actionable insights to identify and resolve problems, pinpoint ways to optimize networks and deploy fine-grained controls to get more out of your existing network, manage costs, and maximize application and user Quality of Experience (QoE).

KEY CAPABILITIES

Sandvine Enterprise is the only solution on the market that offers both network observability and network optimization in one package to deliver an integrated, full-cycle solution for complete visibility into your network, identifying optimizations, and deploy contextualized policies to optimize your network in real-time. Sandvine provides:

- Comprehensive network observability with contextualization around applications, content, users, locations, devices and more using detailed metrics and scoring,

- The industry's most complete and in-depth application identification and classification technology to identify, track and optimize traffic,

- Multi-faceted network traffic management with fine-grained controls that help optimize your network for applications, content, users, locations, situations and prioritization

No other solution gives you both the visibility and control of your network to optimize resources, get more out of your existing network, and manage your costs.

KEY FEATURES
Integrated Components & Capabilities

- High-speed data plane with real-time metrics that scales to the largest networks

- AppLogic app ID, app classification and content classification with weekly updates

- Two (2) internet service databases for URL filtering with weekly updates

- High performance multi-dimensional data management with open data models

- Built-in, customizable dashboards with insights, drill down, alarms and anomaly detection

- AppQoE machine learning based Quality of Experience scoring

- Maestro real-time policy engine for real-time policy execution with full contextualization

- LiveView real-time performance metrics and monitoring

- Multiple enterprise integration points (Active Directory, LDAP, RADIUS, SOAP/REST)

HARDWARE SPECS

Server Model
Dell PowerEdge R760, 2 rack unit (RU), 19"
rack-mounted

Processor Models
Dual Intel Xeon Silver 4514Y 2G, 16C/32T
Processors

Memory
384GB (12 x 32GB RDIMM)

Storage
960GB (2 x 960GB SSD RAID1)

Single (1) Server Configuration:
Bandwidth: Up to 15 Gbps[1]
Employee count: Up to 5,000[1]

Dual (2) Server Configuration:
Bandwidth: Up to 50 Gbps[1]
Employee count: Up to 38,000[1]

[1]Depending on configuration and network
traffic profile

KEY CAPABILITIES AND FEATURES

Network Observability

- Comprehensive set of dashboards
- Actionable insights
- QoE Scoring
- 15 network metrics
- Multi-dimensional scoring and metrics
- Contextual scoring and metrics
- Application-aware
- User-aware
- Context-aware
- Location-aware
- Alarms engine
- Anomaly detection
- Report definition and generation
- Flow record logging Drill-down across dimensions
- Troubleshooting and problem resolution
- Comprehensive application ID and classification
- LiveLiew real-time stats and monitoring
- Data export
- High-speed, low latency data
- 250ms data capture

Network Optimization

- Real-time, low-latency policy execution
- Real-time metric monitoring
- Conditional policy controls
- Situational policy controls
- Time-based policy controls
- Scales to 100,000+ policies
- Detailed policy execution metrics
- Advanced queuing algorithms
- Custom policy triggers
- Contextual and dimensional control
  - Application, category and content policies
  - User and group policies
  - Location-based policies
  - Address-based policies
  - Time-based
- Analytics-based policy controls
  - Real-time metrics
  - Network conditions and situations
  - Congestion
  - User levels and heavy users
  - Performance
  - Quality

DEPLOYMENT WITH SANDVINE INSTALLATION ENGINE

Sandvine's Enterprise packages are deployed using Sandvine Installation Engine (SIE) on customer provided commercially available servers from Dell Technologies™. The Sandvine Installation Engine is a state-of-the-art deployment and management tool that is simple, intuitive, and incredibly efficient. The Sandvine Installation Engine is a one-click install, fully automated system that allows for installation, configuration, and auto-testing. It optimizes the configuration of Sandvine products for a given set of use cases and features.

ABOUT SANDVINE

Sandvine's cloud-based App QoE portfolio helps customers deliver high quality, optimized experiences to consumers and enterprises. Customers use our solutions to analyze, optimize, and monetize application experiences using contextual machine learning-based insights and real-time actions. Market-leading classification of more than 95% of traffic across mobile and fixed networks by user, application, device, and location creates uniquely rich, real-time data that significantly enhances interactions between users and applications and drives revenues. For more information visit **http://www.sandvine.com** or follow Sandvine on Twitter **@Sandvine**.

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