

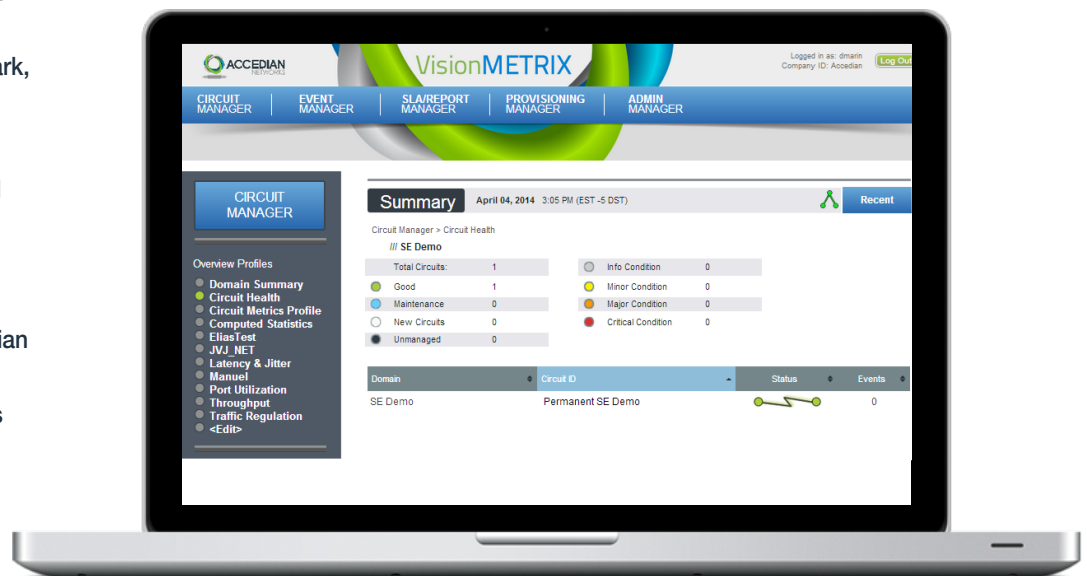
VisionMETRIX™

VisionMETRIX is a performance monitoring and reporting solution that lets service providers and mobile operators monitor their Carrier Ethernet-based mobile backhaul and business service circuit performance. It can report on Service Level Agreements (SLAs) with pinpoint accuracy, ease, and at minimal cost. Built as an easy to access and navigate web portal, VisionMETRIX provides an accurate performance data view of network health and proof that SLAs are being met.

VisionMETRIX gathers data from Accedian's High Performance Service Assurance™ platform, and provides end-to-end visibility and monitoring of sophisticated network performance measurements in real-time. The system tracks over 100 unique Key Performance Indicators (KPIs), and network performance data is automatically summarized via actionable and concise dashboards.

Feature Highlights

- Pay-as-you-grow model
- Powerful and customizable web profile builder (create views for Operations and End Customers)
- Private branding of portal
- Over 100 Key Performance Indicators (KPIs)
- SLA template creation with Benchmark, Application and SLA thresholds
- Secure per-customer views
- Bandwidth monitoring with threshold crossing alerts
- Customizable performance and SLA reporting
- Service OAM 802.1ag/Y.1731, Accedian PAA™ and Flow METER support
- Custom service and event definitions with notifications
- SLAs and historical trends analysis
- Fast detection and resolution of potential service affecting issues
- Fine grained reporting down to one second granularity for PAA, Flow METER & bandwidth regulation metrics



With VisionMETRIX, service providers can now focus on areas of the network that need attention – such as potential service affecting issues – well before they impact customers.

Offered as a SaaS, pay-as-you-grow service, service providers and network operators can be up and running with VisionMETRIX within days, and only pay for the number of circuits that need to be monitored.

VisionMETRIX also eliminates most of the up-front investments associated with on premise solutions that require expensive servers, database licenses and dedicated IT support.

VisionMETRIX is part of the Accedian Vision network management product suite that includes the VisionEMS element management system.

Fully Customizable SaaS Solution

The VisionMETRIX portal offers customizable SLA definition, customer profiles and reports. The portal can be branded to your specific environment by customizing screens and reports for end customers, Service Providers, Network Operators or Management. Create templates for standard service offerings, or create custom services per customer or individual service.

In addition, service providers and network operators can also private label VisionMETRIX for their customers with their unique branding, look-and-feel and introduction message.



Comprehensive Performance and SLA Reporting

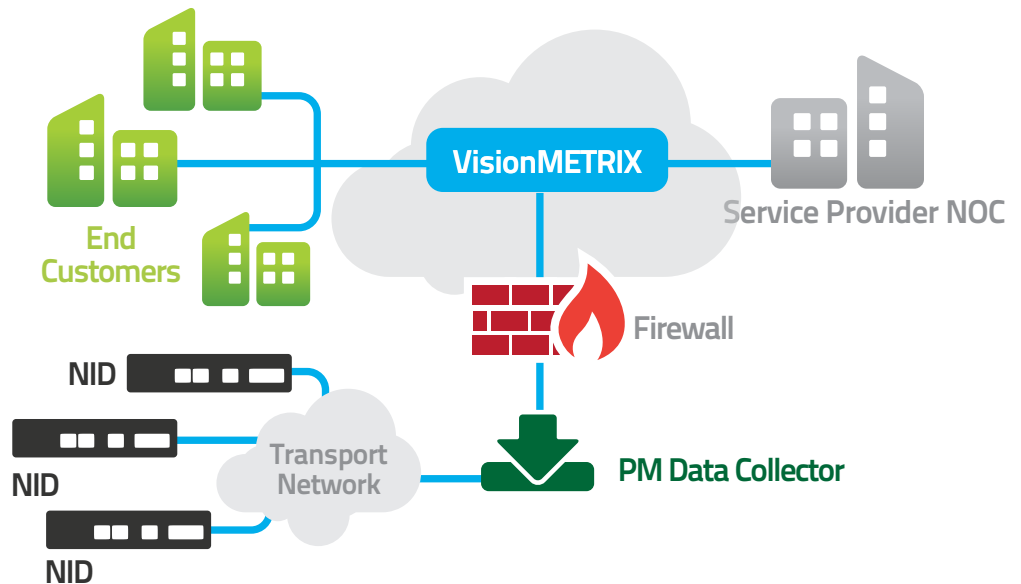
VisionMETRIX has extensive reporting capabilities to meet varying user requirements. Performance and SLA reporting can be tailored by service, domain, customer, etc., and can easily generate reports based on selected KPIs and timeframes. Plus, all reports can be exported for use by other systems. Reports can be manually or automatically generated and sent to multiple recipients, and can be tailored to show individual customers only the data you would like them to see.

Multi-Level Performance Metrics

VisionMETRIX enables you to monitor, analyze and assure SLAs at various levels, including Network, Service and Application. The solution also automatically calculates a Benchmark Performance Analytics for all new circuits, enabling detection of any slow service degradation. Furthermore, all data is retained within VisionMETRIX for up to 6 months, enabling visibility into historical performance analytics.

Proactive Event Management

VisionMETRIX provides quick visibility of network and service events such as SLA threshold crossings. Events are displayed on the Portal and can be acknowledged by Service Providers or Network Operators. These events can also be forwarded to personnel based on event type and severity.



VisionMETRIX Architecture

100+ Key Performance Indicators

VisionMETRIX supports a comprehensive list of KPIs including availability, multiple delay, frame variation and loss measurements. You can select from over 100 KPIs for user-defined screen profiles to analyze circuit performance.

Supported KPIs include:

- **One-Way Near End and Far End**
 - Jitter (Min, Max, Avg)
 - Latency (Min, Max, Avg)
- **Two Way Near End and Far End**
 - Jitter (Min, Max, Avg)
 - Latency (Min, Max, Avg)
- **One-Way, Two Way Thresholds**
 - SLA Latency (Avg, Max)
 - SLA Jitter (Avg, Max)
 - Application Latency (Avg, Max)
 - Application Jitter (Avg, Max)
 - Baseline Latency (Avg, Max)
 - Baseline Jitter (Avg, Max)
- **Availability**
 - Near and Far end packet loss percentage
- **Input/Output Statistics – Near and Far End**
 - Accepted Packets
 - Accepted Bytes
 - Accepted Rate (Min, Avg, Max)
 - Dropped Packets
 - Dropped Bytes
 - Dropped Rate (Min, Avg, Max)
- **Computed Statistics**
 - Frame Loss Ratio percent
 - EVC percent
 - CIR, EIR, CIR + EIR

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