riverbed

DATA SHEET

Riverbed NetIM

Infrastructure Visibility and Management for Resilient Network Operations

The Business Challenge

Infrastructure teams are under pressure to keep hybrid IT environments available, secure, and performing well. As infrastructure expands across data centers, cloud platforms, remote sites, virtualized systems, wireless networks, and rapidly changing application architectures, troubleshooting becomes harder. Teams often have to piece together topology, health, configuration, and performance data from separate tools before they can understand what changed, where an issue started, and how broadly it may affect service delivery.

At the same time, infrastructure teams are being asked to operate more efficiently. They need better visibility, clearer capacity insight, stronger access controls, and faster ways to detect and investigate issues before they disrupt users or critical services.

To support Zero Disruption IT Operations, teams need a more complete and scalable approach to infrastructure monitoring, one that helps them understand infrastructure health, reduce manual analysis, and respond faster when issues occur.

The Riverbed Solution

Riverbed® NetIM gives infrastructure and network teams a more complete way to discover, map, monitor, and troubleshoot enterprise infrastructure across complex hybrid environments. It helps teams understand infrastructure health, visualize topology, detect performance and configuration issues, and investigate problems faster.

NetIM brings together real-time topology, automated analytics, synthetic testing, configuration visibility, infrastructure performance monitoring, and capacity reporting. This helps teams move from symptoms to root cause with clearer context and less manual effort.

For specialized environments, NetIM also supports extensible monitoring. Teams can use the Generic Metrics Collector to import custom or third-party metric data, and scripted Synthetic Tests to run custom checks for additional systems such as databases, storage systems, hypervisors, containers, and specialized services.

Built on a modern, containerized architecture, NetIM is designed for enterprise scalability, performance, and operational agility. It supports large and complex infrastructure deployments while giving teams flexible options for virtual, cloud, and hybrid environments.

As part of the Riverbed Network Observability portfolio, NetIM adds infrastructure context to broader performance workflows across packets, flows, endpoints, applications, and user experience. This helps teams connect infrastructure conditions to digital service performance and AI-driven observability workflows.

Key Benefits

Riverbed NetIM helps reduce the workload associated with managing and monitoring complex infrastructure. It improves infrastructure visibility, supports proactive monitoring, accelerates troubleshooting, and brings infrastructure context into AI-driven observability workflows.

Increase infrastructure visibility and understanding

- Discover and map infrastructure devices, interfaces, sites, and relationships.
- Identify new, changed, underperforming, or misconfigured infrastructure components.
- Use real-time topology views to understand infrastructure health and performance.

Detect and troubleshoot issues faster

- Establish performance baselines, identify deviations, and prioritize poor performers.
- Drill down from high-level infrastructure views to device, interface, site, and path details.
- Use AI-driven correlation and automated workflows to help identify related issues, reduce noise, and accelerate response.

Improve planning, governance, and compliance

- Use forecasting and capacity reporting to identify utilization trends, constraints, and upgrade needs.
- Segment device visibility and access across teams, roles, or business units.
- Compare running configurations against golden templates to support operational compliance.

Scale across hybrid and distributed environments

- Support large and complex deployments with scalable architecture and flexible deployment options.
- Extend infrastructure monitoring across virtual, cloud, hybrid, and cloud-first environments.
- Adapt monitoring to specialized infrastructure components using custom metric imports and scripted Synthetic Tests.

Figure 1: Home page enables you to visualize infrastructure performance by site, device, and by type.

Key Features in Depth

Real-time topology and infrastructure monitoring

- Discover and map infrastructure components using SNMP, WMI, streaming telemetry, CLI, IP SLA metrics, traps, syslog, and synthetic testing.
- Use real-time topology views to understand infrastructure health, relationships, and performance.
- Establish baselines, track current performance, and identify anomalies, violations, and poor performers.

Reporting, capacity planning, and operational analysis

- Use reports for forecasting, performance, inventory, availability, capacity planning, and operational analysis.
- Identify utilization trends, infrastructure constraints, and upgrade requirements across devices, interfaces, and tunnels.
- Use interface group tagging and custom attributes to organize reporting around operational needs.

Proactive monitoring and extensible data collection

- Use synthetic testing to monitor the availability and performance of devices, applications, databases, and services from different locations.
- Run built-in tests, including Ping, TCP Port, HTTP, DNS, Database, Selenium, LDAP, and External Script tests.
- Extend monitoring with the Generic Metrics Collector and scripted Synthetic Tests for custom or third-party metrics.

Efficient troubleshooting

- Use AppNetwork Path Analysis to show the Layer 2 and Layer 3 infrastructure path between a source and destination.
- Analyze metrics from multiple devices in a single view with Metrics Navigator.
- Use NetAuditor rules to compare running configurations against golden configuration templates.

Access control, security, and compliance

- Use enhanced role-based access control to align monitoring access with operational and compliance requirements.
- Segment device visibility across teams, roles, or business units.
- Support secure and regulated environments with modernized platform components, SNMPv3 support for NetIM VMs, encrypted Docker registry support, FIPS 140-3 compliance, and USGv6-r1 IPv6 certification.

Wireless LAN monitoring

- Monitor wireless LAN controllers and access points.
- View AP status, model and OS statistics, controller health, active client counts, and AP status percentages.
- Use wireless infrastructure context to support broader infrastructure troubleshooting workflows.

AI-driven observability integration

- Integrates NetIM infrastructure alerts and events with Riverbed IQ Ops for AI-driven observability workflows.
- Connects infrastructure conditions with related operational signals to help identify commonality, causality, and likely upstream issues.
- Supports automated incident response through predefined runbooks and guided investigation workflows.

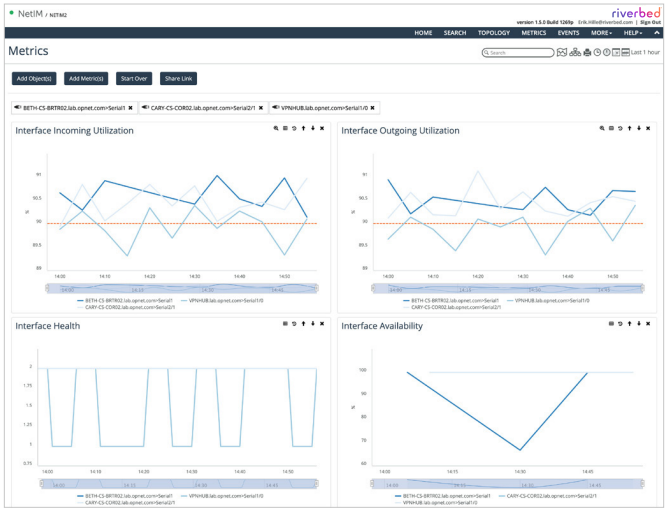

Figure 2: Metrics navigator lets you analyze metrics from multiple devices in a single view.

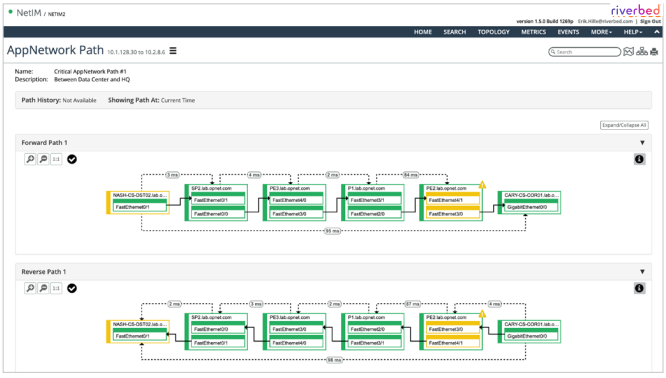

Figure 3: AppNetwork path lets you view application data as it traverses the network.

Supported Vendors

Riverbed NetIM supports devices from a broad range of vendors and vendor families, including Alteon, Arista Networks, Bluecoat, Check Point, Cisco, F5, Fortinet, HP Aruba, Huawei, Infoblox, Juniper, Palo Alto Networks, and Riverbed SteelHead.

Supported Cisco families include Cisco ACI, ASA/PIX Security Appliances, Firepower, IOS, IOS-XE, IOS-XR, Meraki, Nexus, Viptela, and wireless LAN controllers.

Flexible Deployment Options

NetIM supports flexible deployment models to align with architecture, scale, and operational requirements:

Virtual Deployments

Deploy NetIM across supported VMware ESXi, Microsoft Hyper-V, and Nutanix environments.

Cloud Deployment

Deploy NetIM in AWS, AWS GovCloud, AWS C2S, Microsoft Azure, Azure Government, and Google Cloud Provider (GCP) environments.

Scalable Architecture

Use NetIM Manager, Data Manager, Worker, and Core components to scale infrastructure monitoring across large and complex environments.

For complete model specifications, sizing guidance, and system requirements, refer to the NPM Product Family Specifications Sheet.

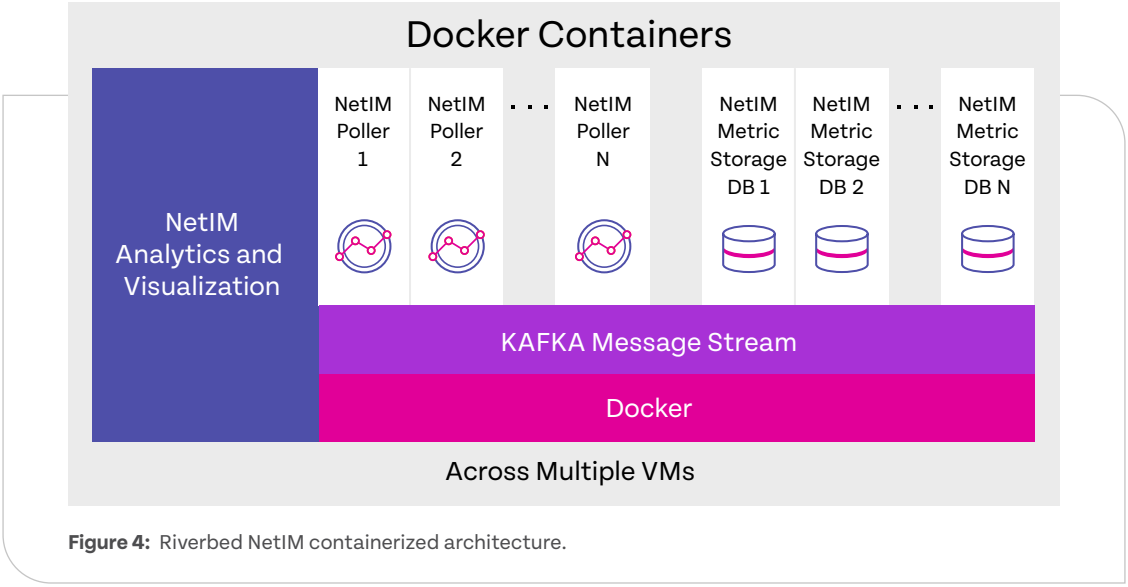

Figure 4: Riverbed NetIM containerized architecture.

Related Products

Riverbed NetProfiler

Adds flow-based visibility to help teams connect infrastructure health with traffic behavior, application activity, and network performance trends.

Riverbed AppResponse

Adds packet-based analysis to help teams investigate complex performance issues using high-fidelity packet evidence and infrastructure context.

Riverbed NPM+

Extends visibility to endpoints, remote users, cloud, SaaS, Zero Trust, and collaboration environments for broader distributed network observability.

Riverbed IQ Ops

Connects NetIM infrastructure signals to automated workflows, AI-driven correlation, and guided investigation across Riverbed observability.

Get Started Today

Learn how Riverbed NetIM helps teams monitor and troubleshoot hybrid infrastructure faster. Visit riverbed.com/NetIM to learn more or request a demo. For specifications, sizing, and requirements, refer to the NPM Product Family Specifications Sheet.

riverbed

About Riverbed

Riverbed, the leader in AIOps for observability, helps organizations optimize their user's experiences by leveraging AI automation for the prevention, identification, and resolution of IT issues. With over 20 years of experience in data collection and AI and machine learning, Riverbed's open and AI-powered observability platform and solutions optimize digital experiences and greatly improves IT efficiency. Riverbed also offers industry-leading Acceleration solutions that provide fast, agile, secure acceleration of any app, over any network, to users anywhere. Together with our thousands of market-leading customers globally – including 95% of the FORTUNE 100 – we are empowering next-generation digital experiences. Learn more at riverbed.com.

© 2026 Riverbed Technology LLC. All rights reserved. Riverbed and any Riverbed product or service name or logo used herein are trademarks of Riverbed. All other trademarks used herein belong to their respective owners. The trademarks and logos displayed herein may not be used without the prior written consent of Riverbed or their respective owners. CS-1144_NIM_DS_US_062426