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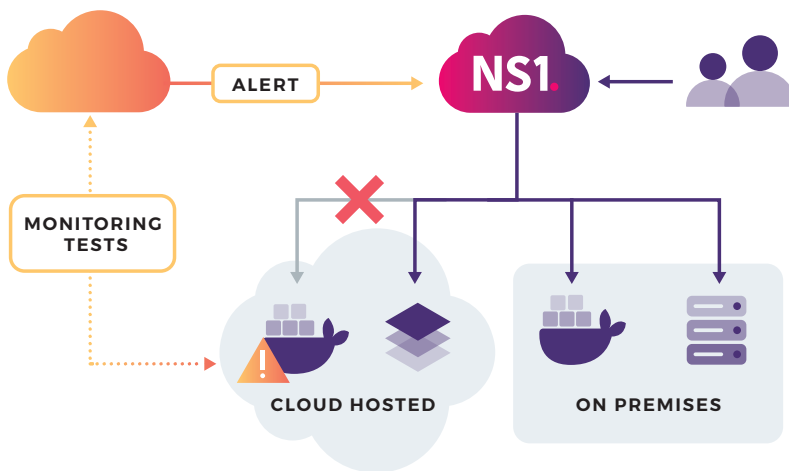
NS1 + ThousandEyes: Make Internet and Cloud Telemetry Actionable

Internet and cloud infrastructure powers user experiences, employee productivity, and business processes. Yet, all-too-frequent service disruptions, slow-downs, and outages on those infrastructures threaten normal business operations. If user, employee, and automated processes cannot be swiftly navigated around Internet and cloud issues, it can lead to revenue loss, customer churn, lower productivity, or service delivery penalties. Thus, the teams responsible for application and website uptime must be able to identify service disruptions early and take immediate action to mitigate impact to users and the business.

NS1's integration with ThousandEyes makes this possible. It enables automatic failover actions in NS1 whenever ThousandEyes detects service disruptions or other user experience issues.

The integration enables ThousandEyes to deliver alerts directly to NS1 in real time. NS1 uses the alerts as part of its decision making to automatically direct application traffic to the healthiest, most optimal endpoints. As a result, digital businesses can navigate through Internet and cloud issues to continue serving their customers and users.

1 ThousandEyes identifies issues

2 NS1 receives alerts to make real-time traffic management decisions

3 NS1 automatically steers users away from problematic endpoints until the issue has been resolved

ALERT

NS1.

MONITORING TESTS

CLOUD HOSTED

ON PREMISES

Take Action
Automate failover actions based on ThousandEyes tests and custom alerts.

Increase Resilience
Minimize impact on customers, employees and automated processes during problem resolution by sending them to healthy endpoints.

Improve Performance
Define flexible performance alerting to always route users to the most optimal endpoint.

Balance performance and cost
Design traffic management policies that combine real-time monitoring with business data to more efficiently optimize reliability, performance, capacity, and cost.

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NS1 + Thousandeyes:

Visibility and Control Across Hybrid Environments

Detect Internet and cloud outages or user experience issues with ThousandEyes' global monitoring vantage points. Respond automatically by steering traffic across multiple networks, clouds, or CDNs with NS1.

Easy Configuration

Pre-built data integration simplifies setup making it easy to incorporate ThousandEyes telemetry with NS1 Filter Chains™ point-and-click traffic management.

NS1 + Cisco: Stronger Together

Together, NS1 and Cisco empower NetOps, DevOps and SecOps teams to more efficiently, securely, and reliably deliver and scale application and network services that enable today's businesses. With multiple integrations for Cisco solutions, including Cisco Umbrella, AnyConnect, and ThousandEyes, the combination of NS1 and Cisco provides a modern platform for high performance application delivery across the enterprise with security that seals off the communication pathways that attackers rely on.

NS1 + ThousandEyes: How it Works

1. In ThousandEyes, define highly customizable tests and associated alerts that detect unhealthy endpoints. Alert conditions can include Internet or cloud outages, response times, error messages, and more.

2. Activate the ThousandEyes Data Source in the NS1 Technology Platform via API or in the portal to receive ThousandEyes alerts via webhook.

3. In NS1, define traffic management policies using NS1 Filter Chains™ that include real-time information as metadata from ThousandEyes. This information is instantly propagated across our global, anycast network.

4. When ThousandEyes detects alert conditions, it sends a notification of an unhealthy endpoint to NS1 via webhook. NS1 automatically stops routing traffic to that endpoint. When ThousandEyes detects normal performance, it clears the alert and sends a notification via webhook to NS1. NS1 updates the endpoint status and restarts routing traffic that endpoint according to the defined traffic management policies.

NS1: Connects Customers to Your Business

Built on a modern, API-first architecture, NS1 DNS and Application Traffic Management is a SaaS-based solution that helps enterprises to realize dramatic gains in user experience, IT efficiency and application reliability.

ThousandEyes: Brings Issues to Light

The ThousandEyes platform leverages data collected from an unmatched fleet of vantage points throughout the global Internet, from within data centers and VPCs and on end user devices to expose key dependencies that impact digital service delivery, empowering businesses to see, understand and improve how their customers and employees experience any digital website, application or service.

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