

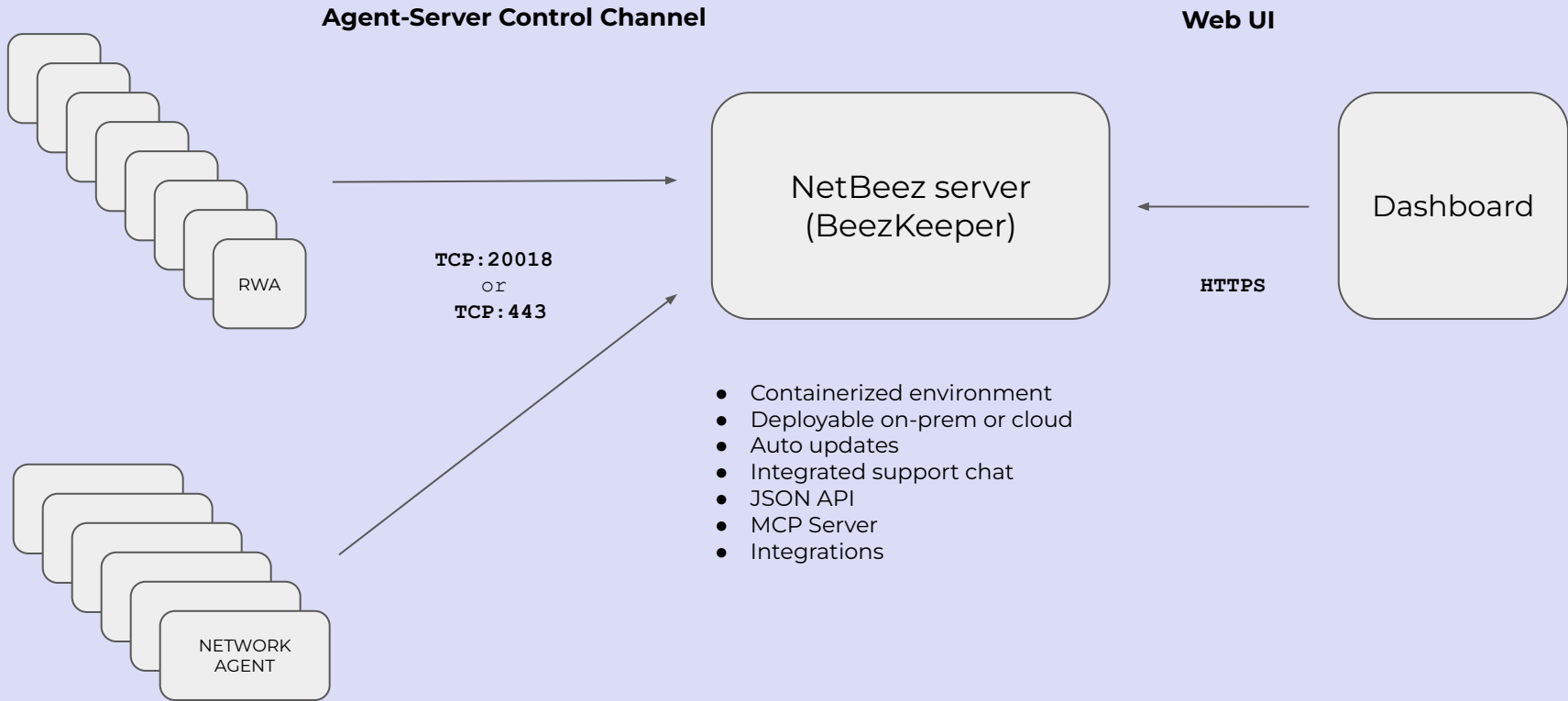
NetBeez Training for Network Engineers

Product Fundamentals and
Monitoring Workflows

About NetBeez

- SYNTHETIC MONITORING
- CONTINUOUS TESTING AND TELEMETRY DATA
- COMPLEMENTARY TO SNMP and NETFLOW-PASSIVE SOLUTIONS
- KEY ELEMENTS:
 - Agents
 - Targets
 - Scheduled tests
 - Wi-Fi networks

NetBeez Architecture



Network Monitoring Agents

ON PREMISES



Wired-WiFi Sensor



Virtual Machine

INTEGRATED



CLOUD



Linux



Container



Instance

ENDPOINTS



Windows



macOS

Technology partners



Agent View

List view with variable fields

Network AgentsRemote Workers

Agents11

Search by name

Manage Agent Groups

AGENT NAME	TYPE	INCIDENT	MAC ADDRESS	AGENT IP	GATEWAY	DNS SERVER	PING	DNS	HTTP	PA	VERSION	ISP NAME	ASN
AWS-US-WEST-2	🟢		eth0: 0a:b5:45:c9:b6:3c	eth0: 34.220.137.49	eth0: 172.31.0.1	eth0: 8.8.8.8	🟢	🟢	🟢	🟢	14.0.5	Amazon.com, Inc.	AS16509
AWS-EU-WEST-1	🟢		eth0: 06:23:05:b6:b7:3d	eth0: 172.31.20.130	eth0: 172.31.16.1	eth0: 172.31.0.2	🟢	🟢	🟢	🟢	15.4.4	Amazon.com, Inc.	AS16509
AWS-AP-SOUTH-2	🟢		eth0: 02:7b:50:3e:0d:db	eth0: 172.31.11.190	eth0: 172.31.0.1	eth0: 172.31.0.2	🟢	🟢	🟢	🟢	15.4.4	Amazon.com, Inc.	AS16509
San Jose - WIFI	🟢		eth0: 2c:c1:f6:77:81:3a vlan0: 9c:af:a5:8c:32:7c	eth0: 172.31.0.185 vlan0: 192.168.86.48	eth0: 172.31.0.1 vlan0: 192.168.86.1	eth0: 192.168.86.1, 1... vlan0: 192.168.86.1, 1...	🟢	🟢	🟢	🟢	15.4.4	AT&T Enterprises, LLC	AS7018
San Jose - Wired	🟢		eth0: b6:27:eb:1b:5e:f8	eth0: 172.31.0.250	eth0: 172.31.0.1	eth0: 1.1.1.1, 2086:47...	🟢	🟢	🟢	🟢	15.4.4	AT&T Enterprises, LLC	AS7018
Athens	🟢		eth0: b6:27:eb:1a:8d:16	eth0: 192.168.1.54	eth0: 192.168.1.1	eth0: 192.168.1.1, 1a8...	🟢	🟢	🟢	🟢	15.4.4	Ona SA (Inetec Teleco...	AS8799
BCN Wired	🟢		eth0: e4:5f:01:b2:9a:b4	eth0: 192.168.1.45	eth0: 192.168.1.1	eth0: 80.58.61.250, 8...	🟢	🟢	🟢	🟢	15.4.4	TELEFONICA DE ESP...	AS3302
BCN WIFI 1	🟢		eth0: d8:3e:bd:a7:14:af vlan0: e0:a1:a9:36:43:11	eth0: 192.168.1.47 vlan0: 192.168.1.52	eth0: 192.168.1.1 vlan0: 80.58.61.250, 8...	eth0: 80.58.61.250, 8...	🟢	🟢	🟢	🟢	15.4.4	TELEFONICA DE ESP...	AS3302
BCN WIFI 2	🟢		eth0: b6:27:eb:04:83:07 vlan0: e8:4e:08:9f:69:a6	eth0: 192.168.1.46 vlan0: 192.168.1.48	eth0: 192.168.1.1 vlan0: 80.58.61.250, 8...	eth0: 80.58.61.250, 8...	🟢	🟢	🟢	🟢	15.4.4	TELEFONICA DE ESP...	AS3302
Sarasota	🟢		eth0: b6:27:eb:5a:18:06	eth0: 192.168.254.123	eth0: 192.168.254.254	eth0: 192.168.254.25...	🟢	🟢	🟢	🟢	15.4.4	Frontier Communicat...	AS6950
BCN WIFI GB	🟢		eth0: b6:27:eb:90:eb:a3	eth0: 192.168.1.45	eth0: 192.168.1.1	eth0: 80.58.61.250, 8...	🟢	🟢	🟢	🟢	15.4.4	TELEFONICA DE ESP...	AS3302

Agents status: 14 🟢 1 🟡 0 🔴 Server time: 06/30/2026 06:33:13 EDT

Thumbnail view

Network AgentsRemote Workers

Agents11

Search by name

Manage Agent Groups

AWS-US-WEST-2

34.220.137.49

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PING DNS HTTP TRICKET PA

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AWS-EU-WEST-1

172.31.20.130

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PING DNS HTTP TRICKET PA

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AWS-AP-SOUTH-2

172.31.11.190

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PING DNS HTTP TRICKET PA

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San Jose - WIFI

172.31.0.185

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PING DNS HTTP TRICKET PA

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San Jose - Wired

172.31.0.250

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PING DNS HTTP TRICKET PA

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Athens

192.168.1.54

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PING DNS HTTP TRICKET PA

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BCN Wired

192.168.1.45

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PING DNS HTTP TRICKET PA

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BCN WIFI 1

192.168.1.47

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PING DNS HTTP TRICKET PA

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BCN WIFI 2

192.168.1.46

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PING DNS HTTP TRICKET PA

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Sarasota

192.168.254.123

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PING DNS HTTP TRICKET PA

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BCN WIFI GB

192.168.1.45

🟢

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PING DNS HTTP TRICKET PA

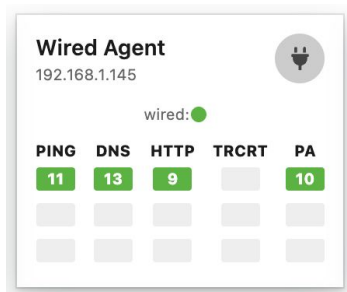
🟢 🟢 🟢 🟢 🟢

Agents status: 14 🟢 1 🟡 0 🔴 Server time: 06/30/2026 06:33:24 EDT

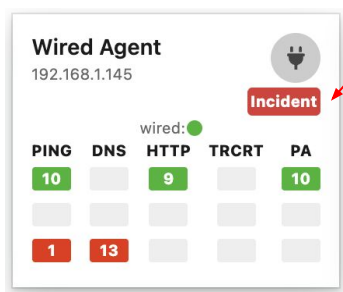
NetBeez

2026

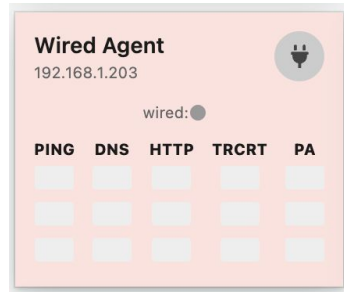
Agents Statuses



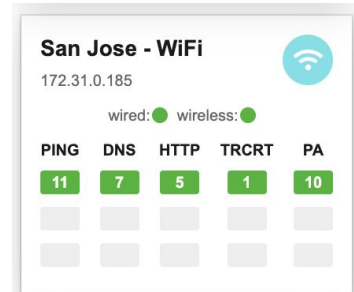
Wired agent with no issues



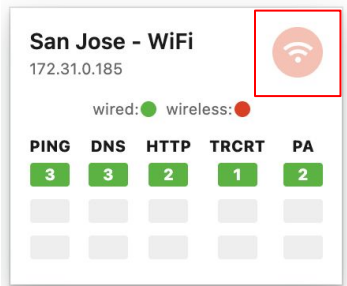
Wired agent with open incident



Offline agent

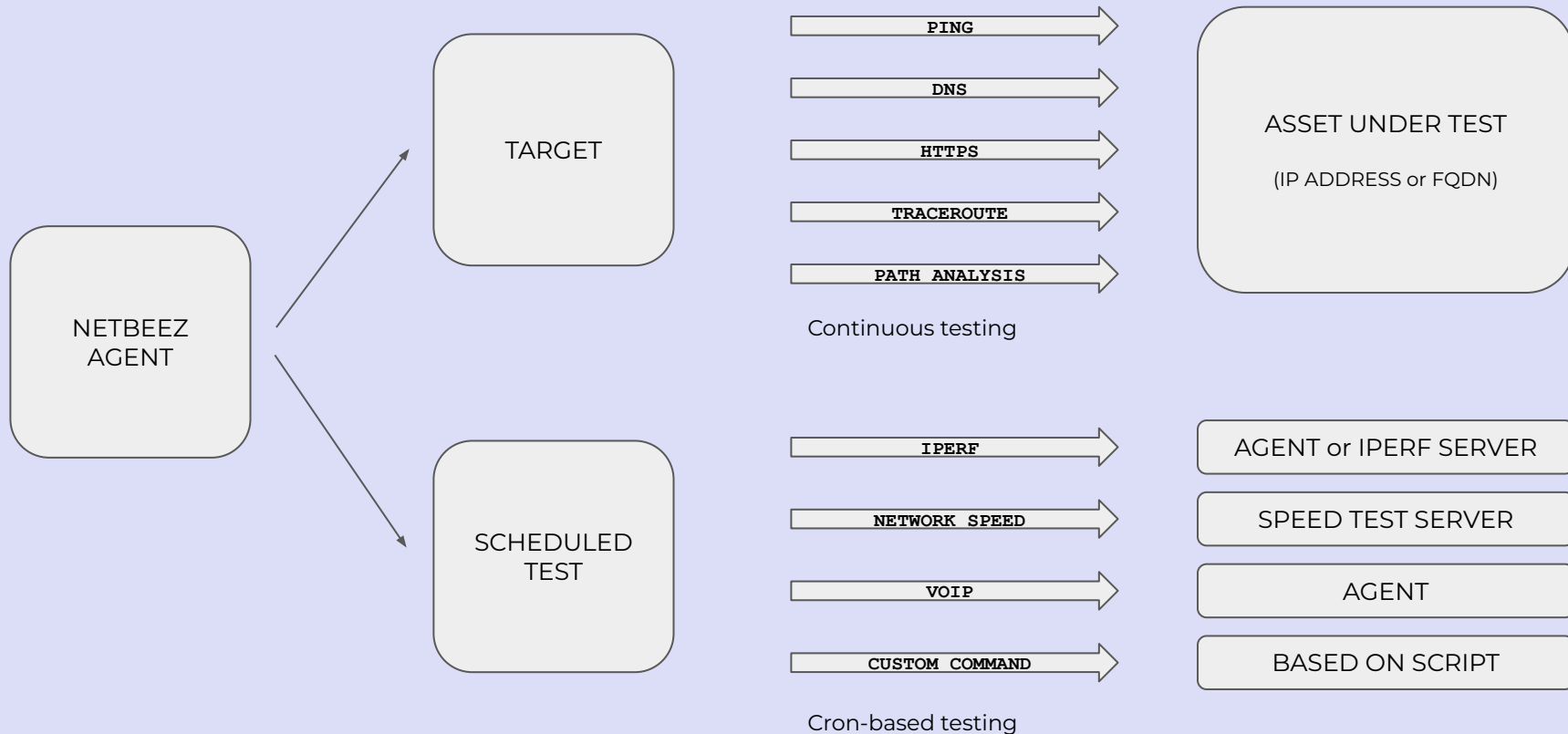


Wi-Fi agent connected to wireless



Wi-Fi agent not connected to wireless

Agents, Targets, and Scheduled Tests



Real-Time Tests

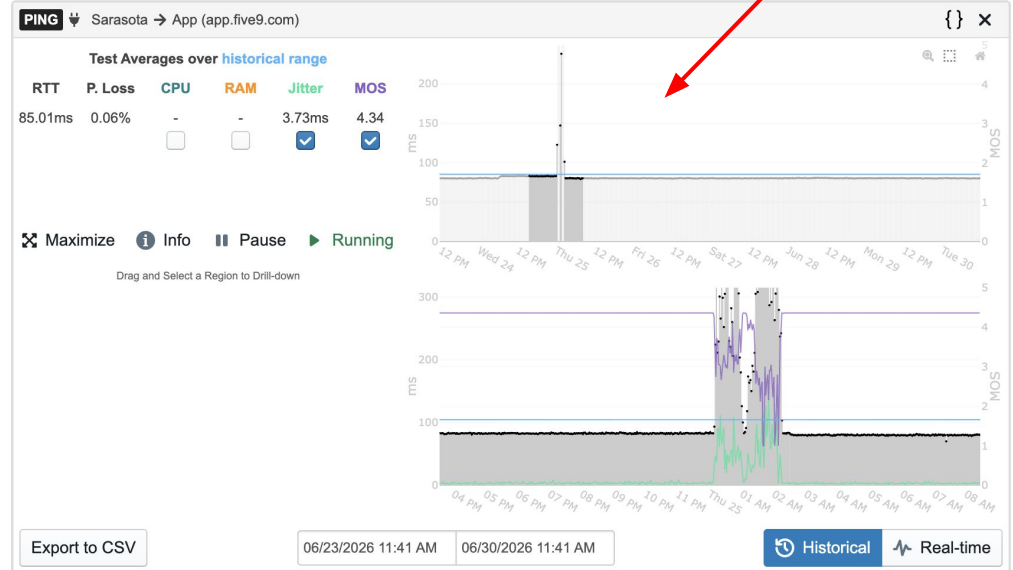
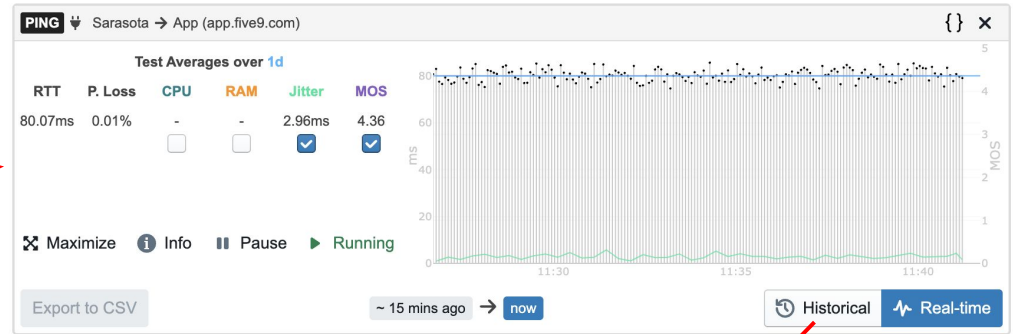
DESTINATION	PING	DNS	HTTP	TRA...	PA
Five9 (App (app.five9.com))	■	■	■	■	■
Five9 (Atlanta (198.105.202.16))	■	■	■	■	■
Five9 (Login (login.five9.com))	■	■	■	■	■
Five9 (Santa Clara (38.107.71...))	■	■	■	■	■
Gateway (192.168.254.254)	■	■	■	■	■
Genesys (EAST 1 (netdiag.us...))	■	■	■	■	■
Genesys (EAST 2 (netdiag.us...))	■	■	■	■	■
Genesys (WEST (netdiag.usw...))	■	■	■	■	■

Tests available

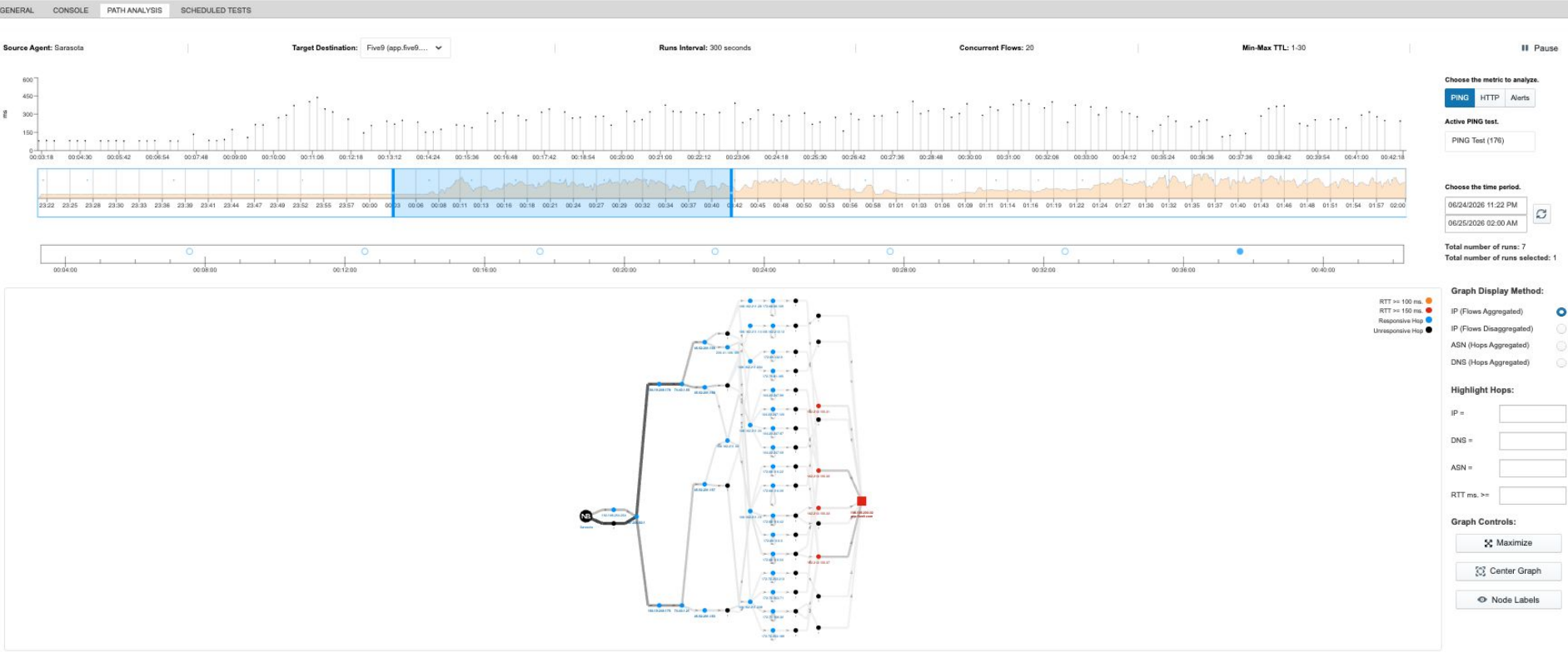
- Ping (ping, 5s)
- DNS (dig, 30s)
- HTTPS (curl, 60s)
- Traceroute (traceroute/tracert, 3m)
- Path Analysis (dublin traceroute, 5m)

Characteristics

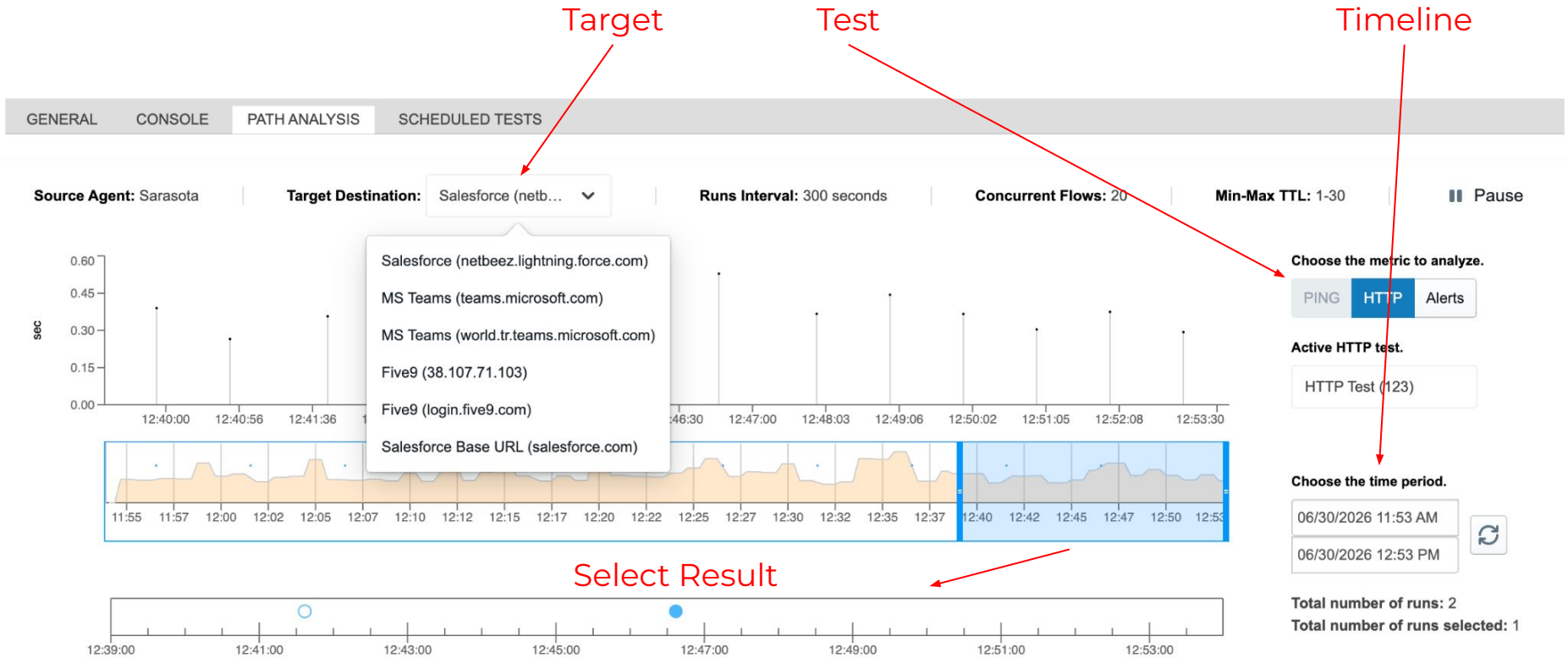
- Configurable (interval, timeout, ..)
- User defined alert profiles



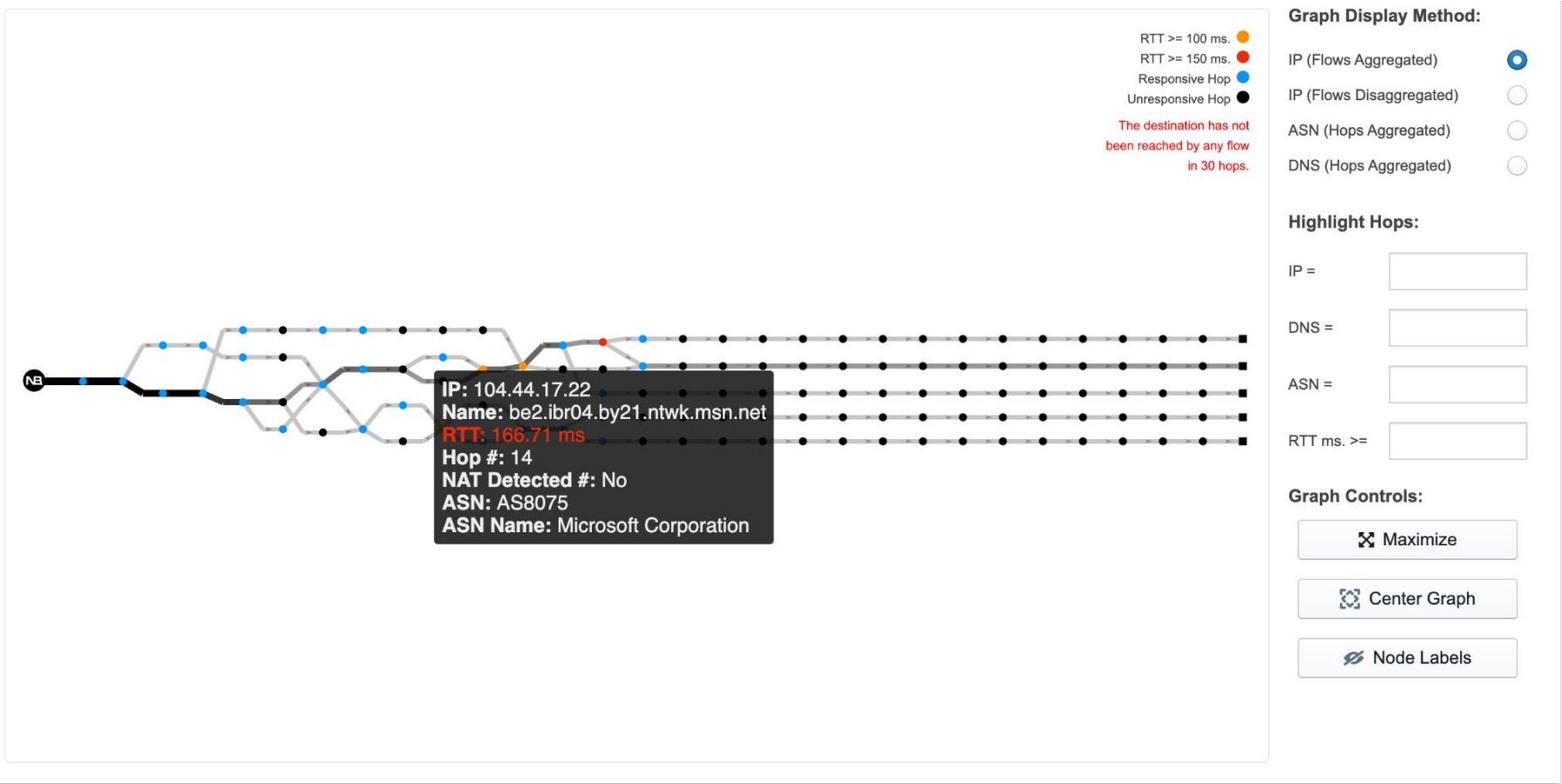
Path Analysis



Path Analysis Controls



Path Analysis Results



Targets

☒ SaaS Targets

Monitor one or more SaaS applications from a pre-defined list.

Predefined targets to most common SaaS:

- Salesforce
- Google workspace
- MS Teams
- Zoom
- Five9
- ...

☐ Target Templates

Create multiple targets from templates to monitor websites, DNS, VPN, and local gateways.

Templates to generic services:

- Website
- DNS
- VPN (RWA)
- Gateway

☐ Custom Target

Create a fully customized target made out of PING, DNS, HTTP, TRACEROUTE, or PATH ANALYSIS tests.

Step by step process to build a target from scratch. Use this for full mesh of ping tests targets or other layer 3 tests.

Scheduled Tests

Custom Command

- Bash or Python
- Schema to capture results

Iperf

- agent-to-agent
- agents-to-server
- Iperf v2 and v3
- TCP and UDP

Network Speed

- NDT
- CloudFlare
- fast.com

VoIP

- NDT
- CloudFlare
- fast.com

Characteristics

- Cron based schedule
- User defined alert profiles

Wi-Fi Monitoring

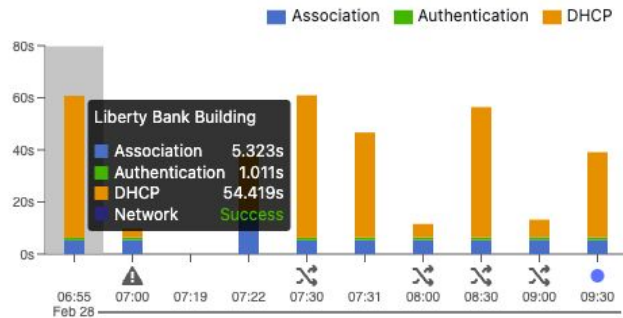


Wi-Fi Sensor

WiFi 6E 802.11ax with
PoE or external PSU;
up to four SSIDs.

Endpoints

Windows or Mac OS
Laptops or Desktops



Alert Profiles



Tests

- Ping
- DNS
- HTTP
- Iperf
- ...

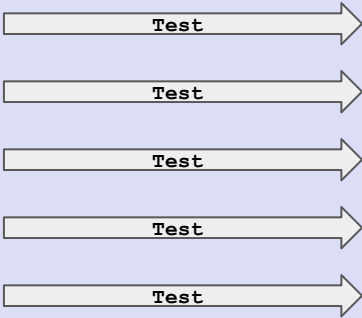
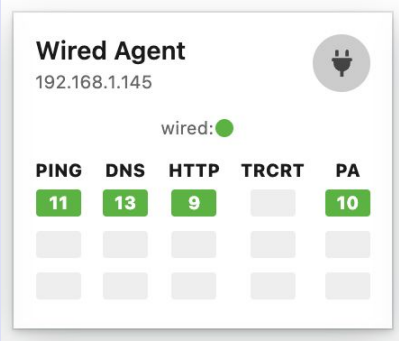
Alert Profiles

- Up-Down
x consecutive tests failed
- Down-Up
X consecutive tests succeed
- Performance Baseline
Short-term mean x times long-term mean
- Performance Watermark
Short-term mean x times fixed value

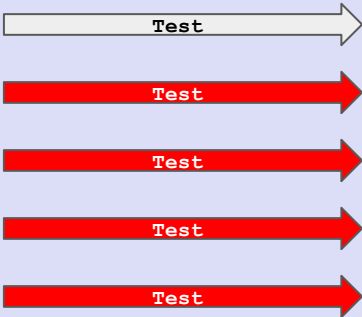
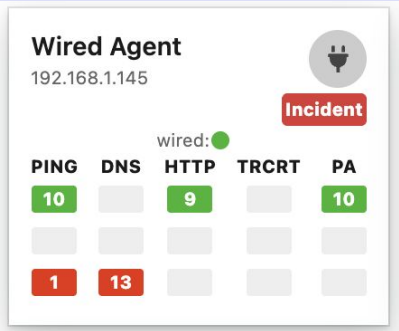
Notifications

- Email
- Webhook
- SNMP Trap
- Syslog
- Integration event

Incidents



No Incident - 0% failed tests



Incident - 80+% failed tests

Notifications

Standard Protocols

- SMTP
- Syslog
- SNMP
- Webhook

Integrations



Advanced Integrations

- JSON API
- MCP Server

