



# How AppNeta Complements SD-WAN

SD-WAN brings promises of lower costs, increased manageability, better resiliency, and improved user experience. But this added innovation can leave network teams in the dark if monitoring strategies aren't evolved beyond typical device or traffic monitoring. That's because the majority of SD-WAN providers collect only passive app performance measurements that allow them to redirect certain streams according to the controller's policies. But there's a wealth of granular data that can be collected actively that SD-WAN vendors are not providing to IT that's invaluable for long- and short-term visibility.

## Employing AppNeta Before, During and After SD-WAN Deployment

Teams should never conduct network re-architecting without first ensuring they have comprehensive visibility before, during and after deployment. AppNeta can provide crucial baselining before the network undergoes an SD-WAN project to compare network performance during and after the rollout—often proving where fault should really be placed when issues arise or the installation is flawed.

- ✓ **Baseline app performance** before an SD-WAN transition
- ✓ **Validate that new SD-WAN deployments** are delivering on expectations
- ✓ **Monitor end-to-end app performance** through overlay tunnels
- ✓ **Verify hop-by-hop** that underlay infrastructure isn't negatively affecting transit times
- ✓ **Actively and continuously monitor** SD-WAN networks over time

Integrated, active monitoring outside of user traffic should be extended across the underlay links that support your selected SD-WAN deployment to deliver visibility beyond what is measurable at the endpoint from inside a tunnel. This is where AppNeta can fill in visibility gaps, leveraging four dimensions of data collection to give IT teams a complete picture of performance -- monitoring all network paths, isolating granular packet data, trending web app response and analyzing conversation-level flows.



## With AppNeta, IT can:



### ACTIVELY MONITOR THE ENTIRE APP DELIVERY PATH

- Measure performance hop-by-hop across every network pathway between offices or out to cloud-hosted apps.
- Monitor both overlay and underlay to truly identify where issues are occurring instead of guessing between SD-WAN vendor and underlying infrastructure.
- Actively monitor capacity changes, latency, jitter, and loss metrics over time to correlate performance changes and gain a “local perspective” from any office.
- Get proactive alerting when performance trends in a negative direction before end-users are impacted and tickets are created.



### INSPECT AND COLLECT PACKETS TO VISUALIZE THE ENTIRE “APP LANDSCAPE”

- Discover every app taking up resources on the network in real-time whether they're critical to business or just resources hogs.
- See the combination of active and passive data to drill down into the experience of specific office locations, apps, and users.
- Understand the impact that each app has on the overall end-user experience and each apps usage of total network capacity



### TRACK SAAS AND WEB APP PERFORMANCE ALONGSIDE THE NETWORKS SUPPORTING THEM

- Get alerted when performance degrades across all locations and anywhere in an app—not just the login page.
- Emulate real user workflows with Selenium-based scripting that is easy to record and implement multi-step transaction tests for complex single-page apps.
- See route histories for every app from every location to understand how network delivery paths are changing over time and when changes correspond to performance drops.
- Get more than “speed metrics” by looking at comparisons of overlay and underlay performance for the same apps.



### ISOLATE SPECIFIC CONVERSATIONS BETWEEN SOURCE AND DESTINATION

- Combine passive flow and packet data to identify thousands of applications and pinpoint network usage to specific hosts and users on the network.
- See data enriched with automatic application discovery and identification to give teams an understanding of the tools that are using the most network capacity, even if IT didn't know they were in use.
- Isolate specific apps and connections that are performing poorly from a centralized location to prioritize IT response.

#### ABOUT APPNETA

AppNeta is the only network performance monitoring solution that delivers deep, actionable, end-to-end network performance data from the end-user perspective. With AppNeta's SaaS-based solution, IT and Network Ops teams at large, distributed enterprises can quickly pinpoint issues that affect network and business-critical cloud application performance, regardless of where they occur. AppNeta is trusted by some of the biggest Fortune 1000 companies, including 3 out of the 5 largest corporations in the world, as well as 4 out of the 5 largest cloud providers. For more information, visit [www.appneta.com](http://www.appneta.com)

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