



# 3 Ways AppNeta Provides Critical Visibility with SD-WAN Deployments

IT teams often look to SD-WAN to help improve end-user experience as SaaS and Cloud apps continue proliferating all corners of the enterprise. However, SD-WAN products can't measure the complete network path, and the remediation they offer is limited to shifting a given workload from one connection to another, or de-prioritizing traffic. Moreover, the SD-WAN perspective is 100% limited to what is measurable at the endpoint. AppNeta focuses on providing the end-to-end monitoring that is crucial to a successful SD-WAN deployment, delivering the actionable context teams need to get ahead of network issues before they impact the end user. Here's how we do it:

## 1. Root Cause Diagnostics

AppNeta automatically escalates monitoring when an issue is detected to give IT a jump on addressing issues before they affect user experience. Our customers get root-cause diagnostics of actual network impairments, with visibility down to the "where" and the "why." AppNeta recognizes and automatically alerts on 88 different impairments on any TCP/IP-based network, whether LAN, WAN, WiFi, satellite, MPLS, FrameRelay, ISDN or others. SD-WAN products do not have AI-based diagnostics like these.



## 2. Packet Train Dispersion

AppNeta leverages packet train dispersion, an advanced network technique that allows us to measure the total available end-to-end capacity of any (yes, any) TCP-IP-based network from either the Layer 3 or Layer 4 perspective. This is possible for any IP-addressable endpoint that can respond to ping or traceroute. When AppNeta technology is at both ends of a network path, we can also measure capacity asymmetrically. Our capacity results deliver total achievable capacity (i.e., “How big is the pipe from me all the way to where my apps are coming from?”), the utilized capacity (i.e., “How much water is in the pipe between me and my apps?”) and the available capacity (i.e., “How much room is left in the pipe between me and my apps to run more apps?”). AppNeta monitors every 60 seconds with less impact to the network than if you were to browse to a Google search page.

## 3. Proactive Measures

AppNeta uses multiple concurrent methods to proactively measure the end-user experience of any application running in a remote office. Our lightweight monitoring can see an application whether it is hosted in your private data center, if it's a hybrid app, if it's hosted in the public cloud, or if it's a pure SaaS-based application accessed with a web browser. AppNeta uses a combination of synthetic web transactions (as frequently as every 60 seconds) and packet-based visibility to understand the end-user experience of any application (web-based or not) running in your remote office. Best of all, these same multi-factor visibility values can also auto-discover the apps you're running and the actual users running them, in order to prioritize which apps and which users are impacted the most by sub-par performance.



This all positions IT to thwart instances of end-user dissatisfaction before they occur. IT is already stretched thin managing an increasingly diverse and distributed network infrastructure. AppNeta ensure teams won't need to expend unnecessary resources guessing at an issue's root cause, taking out the guesswork and allowing IT to prioritize business-critical initiatives in favor of an endless list of remediation tickets.

### 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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