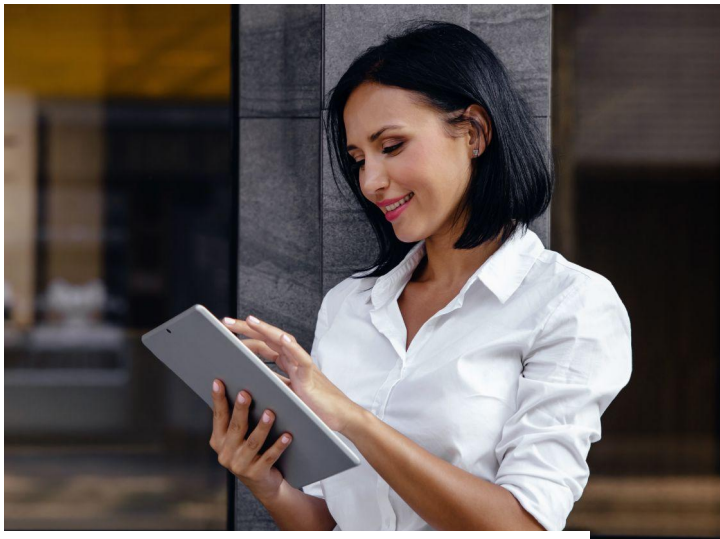
Assure end-to-end network quality for Google Cloud transformations

Validate a great end-user experience before, during and after Google Cloud migration and adoption initiatives

The landscape of corporate networks has changed, with even the most conservative companies shifting workloads to the cloud. However, this shift likewise moves increasingly more of the control of network delivery away from IT and network operations teams.

Accessing apps or data from Google Cloud environments comes with a lack of visibility into the application delivery paths that user data has to traverse to get there. Compounding this challenge are Hybrid Work programs that demand high performance from corporate applications across every user at every location, not just corporate offices.

This leaves many cloud and network operations teams with thousands of unwatched network tunnels and paths for mission-critical Google Cloud workloads, creating the potential for long-standing poor end-user experiences.



"Before, during and after cloud migration and adoption initiatives, I need visibility into negative performance impacts to assure the end-user experience."

Drive success of Google Cloud transformation initiatives

AppNeta by Broadcom is able to provide visibility into the end-to-end delivery path between cloud applications and users by actively monitoring the entire delivery path, including ISP and transit networks, in order to understand the dynamic paths that traffic takes.

AppNeta also provides insight into the Google Cloud environment before identifying where the issue originates. In monitoring this way, AppNeta provides actionable information about network performance along any path and roll up insights to executive dashboards for reporting on network and application health as well as SLA compliance.

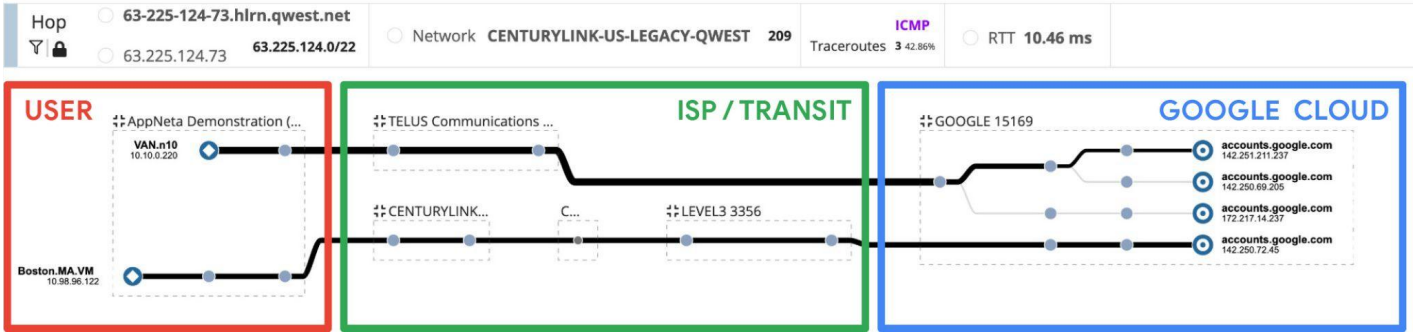
This can be especially important for mission-critical workloads being migrated to Google Cloud. Before an application is migrated, AppNeta is able to monitor the network experience of end-users accessing that application from anywhere. That can create a baseline to compare the post-migration end-user experience.

During the migration, AppNeta can proactively identify network issues and facilitate network path optimization.

After the migration, AppNeta can validate that end-user experience is delivering on expectations.

AppNeta by Broadcom Google Cloud

End-to-End Network Visibility from Users to Google Cloud



Network Visibility from the Start

There's no guarantee that a transformation project is going to work without an in-depth understanding of the state of the network today and a way to visualize which areas are ripe for improvement.

Transformations require comprehensive visibility into the current network status, whether as simple as identifying apps that can be offloaded from an MPLS link to one that's direct-to-internet or as complex as moving to a hybrid, multi-cloud infrastructure.

AppNeta provides visibility into what's working and what's not so that teams can better establish a method for tackling transformations of any scale in a time- and cost-efficient manner.

Understand Impact of New Apps/ Workflows

Once a team has embarked on a transformation project, cloud and network operations teams need visibility into how the introduction of new workflows impact existing tools that users still need to access throughout the effort.

As migrations are rolled out, AppNeta's real-time analysis can inform future project stages. If new components are taking up network capacity at the expense of the performance of other business-critical tools, teams need to be able to quickly pinpoint the problem and take action. This ensures that the existing performance standards are consistent throughout the transformation (and customers and employees maintain a great experience).

Continuous Network Validation

Monitoring solutions can also ensure you're holding your third-party partners to task, including ISPs who play a critical role in delivering the network backbone for enterprises migrating to Google Cloud. Teams can ensure providers meet their SLAs by automating alerts for when performance degrades or isn't meeting acceptable thresholds.

AppNeta enables teams to establish their own performance benchmarks and ensure that throughout any transformation when end users are negatively impacted by a change, network operations teams can react quickly to remedy the issue — or even get ahead of problems before they impact users.

Learn More about AppNeta by Broadcom