Answer any question about your hybrid cloud network with Kentik

Network observability provides complete context and visibility from data center to container to Google Cloud

Engineering time is precious, and operators of complex hybrid network need to quickly understand traffic between services and across interconnects to effectively troubleshoot and optimize networks. With incident response devouring engineering cycles, and unknown security threats looming, cloud expansion challenges infrastructure teams to expertly balance cloud infrastructure performance and costs.

To give engineers the context to rapidly answer any network question, Kentik provides complete network observability of traffic and performance across hybrid cloud: to, from, and across the public cloud, Internet, and on-premises infrastructures. Enterprises use Kentik to accelerate incident resolution, manage capacity and costs, ensure network compliance, and maximize Google Cloud migration ROI.

Performance and scale with Google Cloud and Kentik

Google Cloud's VPC Flow Logs allow Google Cloud users to diagnose network issues, forecast capacity, and optimize network traffic expenses. VPC Flow Logs also play a critical role in ensuring application security. They aid in rapid, detailed forensic investigations of security incidents. VPC Flow Logs can also offer real-time security analysis through monitoring, anomaly detection, correlation of events, and alerts.

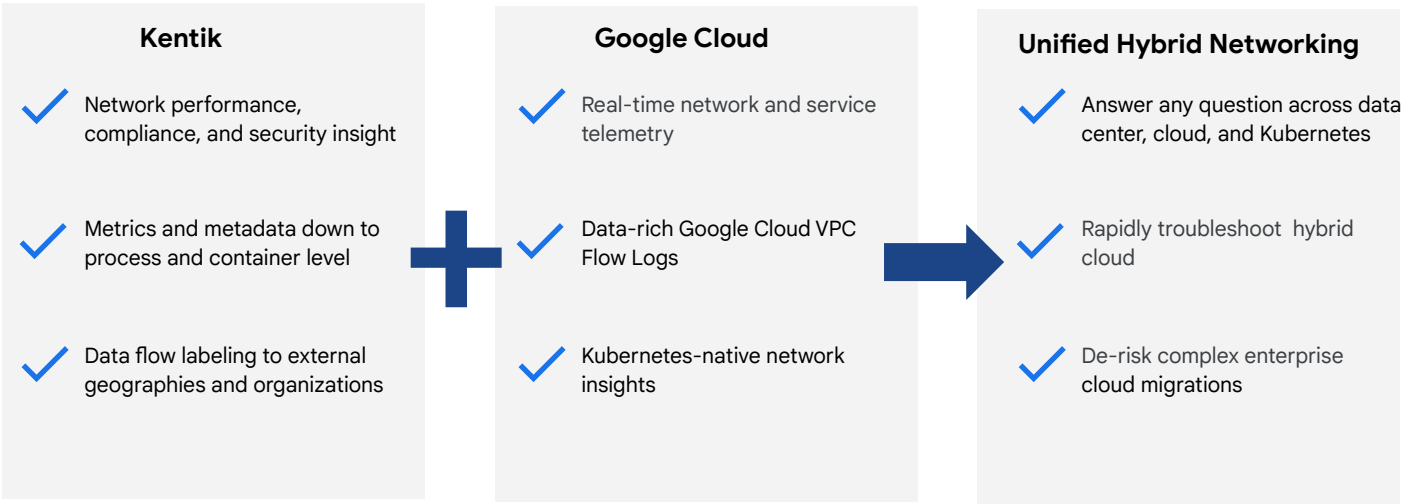
To leverage the full potential of VPC Flow Logs in large, complex environments, teams rely on network observability tools to understand traffic and performance across multiple Google Cloud accounts, and in hybrid cloud infrastructure. Kentik ingests VPC Flow Logs and metrics from cloud and on-premises devices and services to provide AI-driven insights, data visualizations, and flexible query capabilities.

400%

Troubleshoot hybrid cloud issues 4X faster with Kentik's network observability

Engineers can confidently troubleshoot, optimize, and detect anomalies in hybrid cloud environments when they can quickly connect the dots by correlating traffic insights to traffic metrics. Kentik's synthetic testing provides another layer of insight, giving engineers the ability to quickly test inter-service connections or validate assumptions on-demand, or proactively identify issues with cloud interconnect traffic and connections to commonly used services.

kentik Google Cloud



Network observability for hybrid cloud

Kentik provides deep insights into network performance, traffic, and resource utilization across the entire network infrastructure. This enables teams to rapidly troubleshoot complex issues, migrate to the cloud while maintaining an exceptional customer experience, and attribute cloud costs to business units and connectivity costs to specific accounts, subscriptions, apps, etc.

For teams managing large networks that include on prem, Kubernetes, Google Cloud, and more, Kentik's dynamic topology maps make it easy to discover and identify traffic, health, and performance — from cloud to specific devices, routers, switches, and more.

Data-rich VPC Flow Logs in Google Cloud

Kentik collects VPC flow logs from GCP and enriches them with GCP and third-party metadata. They provide network and cloud teams with insights into network traffic patterns, helping engineers detect and respond to potential threats and anomalies in real-time.

For Google Cloud Kubernetes environments (GKE), VPC Flow Logs include additional metadata to provide visibility into cloud-hosted Kubernetes traffic, beyond inter-host and inter-IP flows. VPC Flow Logs for GKE make it possible to understand traffic patterns like pod to clusterIP traffic, Kubernetes traffic distributed by load balancers or container-native load balancing, and Kubernetes-optimized ingress flows.

Up next

Beyond support for Google Cloud infrastructure such as Dedicated Interconnect, Cloud Firewall, and cloud network infrastructure, the Kentik team is building more hybrid cloud insight for Google Cloud customers:

- Unified hybrid cloud capacity alerts and dashboards using Google Cloud metrics and metadata
- Unified hybrid and multi-cloud Metrics Explorer to boost performance analysis by correlating cloud and on-prem traffic data to metrics on objects like gateways, connections, hubs, virtual routers, and load balancers
- On-demand hybrid cloud connectivity checker for testing and troubleshooting connections between instances, subnets, or network interfaces
- Low-cost troubleshooting workflows for basic cloud network issues like dropped traffic and spikes

Kentik's network observability platform enables engineers to answer any question about their network, and seamlessly migrate to Google Cloud

Learn more at www.kentik.com or check out our case study with Box.