

About Crosswork Cloud Traffic Analysis

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About Traffic Analysis

Crosswork Cloud Traffic Analysis provides helpful insight about how traffic is affecting your network. By providing traffic statistics on the ASNs, prefixes, and interfaces in your network, Crosswork Cloud Traffic Analysis can give you real-time information on how your devices are performing.

With Crosswork Cloud Traffic Analysis, you can help prevent and address network edge congestion as well as answer the following questions:

- Can we quickly manage congestion at network edge?
- Can we proactively identify network edge congestion? What small changes could help network edge congestion?
- How do IP Routing tables relate to traffic flow in congested devices?
- Who should we peer with and what changes should we make to achieve a Peering Traffic load balance?
- What is the impact of moving traffic between edge devices?

Crosswork Cloud Traffic Analysis aggregates traffic flow data across multiple devices, giving operators a view of the traffic matrix across the whole network. It adds critical context to observed traffic flows based on the existing rich data sets of external routing data from the Crosswork Cloud Network Insights service. This allows operators to gain a deeper understanding of the origins of traffic flows on their networks, as well as the impacts of changes in external routing state and policy. By effectively extracting and managing huge amounts of data, operators can rapidly address and even proactively avoid disrupting events and impending security threats.

Cisco Crosswork Cloud Traffic Analysis also provides actionable recommendations for optimizing traffic at congested network edges. As the number of peering points expand in today's distributed networks, delivering this end-to-end traffic visibility at scale becomes a critical requirement for effective network optimization. This visibility allows network operators to drive manual or automated changes that are clear and easy to implement based on defined policies – throughout the network.

View Traffic Information

- View Device Traffic Details

- View Interface Traffic Details
- View ASN Traffic Details
- View Prefix Traffic Details

Use Crosswork Cloud Traffic Analysis Tools

- Optimize Interface Utilization—Provides a suggested list of prefixes where traffic from overutilized edge interfaces can be diverted to underutilized edge interfaces to normalize overall utilization.
- Visually Compare Traffic—Compares traffic between like objects such as ASNs, prefixes, devices, and interfaces.
- Traffic Drilldown—Allows you to easily view interface capacity and what traffic sources are contributing to it.
- Peer Prospecting—Shows you on which peer ASNs large amounts of traffic are being transmitted and received. It helps you select a current peer and quickly see other peers to which you could move traffic.