TenthPlanet

How to improve the performance, reliability and security of the Network

Description

Network analytics refers to analyzing network data to identify and understand trends and patterns occurring on your network. It involves the analysis of network data and statistics to identify trends and patterns. Once identified, operators take the next step of ‘acting’ on this data—which typically involves a network operation or a set of operations

Challenge

- Track historical data to identify any abnormal activity within the network and forecast the network capacity in order to optimize resources. Know where all the bandwidth is getting consumed and what traffic is running in the network.

- Difficult to identify and monitor all events, warning messages, critical faults for the Network administrator to resolve, and most of these informational in nature, instead if the system has the ability to sort out the critical events and only actionable faults can be presented to the administrator to resolve issues quickly with less resource.

- Identify flow of information outbound and restrict that do not meet security policy or unauthorized or malicious traffic never leaves or directs to the network

Solution

- Provides real time network topology with a comprehensive visibility of your network worldwide. Drill down into individual business, systems and devices to view the impacting network incidents.

- Monitor the outbound/inbound traffic with time slider to view the exact communications originating and directed towards the external network.

- Provide insights into your network’s performance, such as peak operating times and how much of your network’s resources are typically used. You can also discover trends like times of day when your network is busiest or which devices or IP’s on your networks generate the most traffic

- Helps administrators to monitor and derive value from network analytics especially when the network is large that spans across multiple locations gets harder to monitor and difficult when have to analyze huge amounts of data.

- The event monitoring is able to track network activity, event logs and generates alerts for responding to various network occurrences.

Benefits

- Measure network traffic across your network by drill down to IP and packet levels makes it easy to detect, diagnose and resolve network performance issues. Identify major users of network bandwidth and facilitate fast network speeds to avoid bandwidth bottlenecks and ensure better network performance.

- Identify where network is failing for faster diagnosis and restoration by giving immediate visibility to the IT team so

a particular business service is not impacted. Helps administrators that include historical patterns of usage which allow them to better predict future infrastructure

- Predicting performance issues by determine the signs and causes of problems, you can use that data to predict when that problem could happen again. By using historical analytical data, your enterprise can potentially prevent future performance issues if network data suggests a repeated event

- Identify where the performance issue occurs whether is occurs at application or network level which helps in quickly troubleshooting problems and significantly improve time to resolution and avoid costly down time.