

Automation is the future of networking. A recent survey of 150 Service Providers revealed the most important component of the digital transformation is process automation. The intent is to create automation systems that do not just do network monitoring and management, but do real correlation and analysis learning at application and network level.

The use of Machine Learning (ML) algorithms allows for understanding complex network dynamics to identify potential issues, ease troubleshooting and root cause analysis, perform “What-if” scenarios and even predict issues before they happen.

In the networks of tomorrow, telemetry and analytics will provide real-time, actionable insights about what is happening in the network. The benefits will include re-routing traffic around congestion before it happens without the need for human monitoring. Through network programmability constructs, automated processes can now change and configure the network without manual intervention.