anuta networks

Top 6 Network Automation trends to watch out for in 2020

Low/No Code Automation

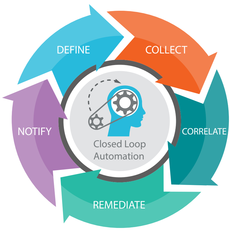
Intensive DevOps coding is quickly disappearing, and this trend will continue into 2020. Rather, simple, intuitive and responsive graphical user interfaces with simple drag and drop capabilities designed to create complex automation workflows will become the norm. In 2020, there will be a rapid increase in the availability of low-code and even no-code automation solutions.

Network Telemetry & Analytics

The rise and proliferation of new connectivity paradigms and technologies such as 5G, Wi-Fi6, and the Internet of Things has led to an exponential increase in bandwidth-consuming and low latency dependent applications. As a result, network administrators are forced to monitor their networks much more closely and meticulously. 2020 will usher in a proliferation of solutions that provide in-depth analytics coupled with actionable insights that will empower network administrators to manage their networks more effectively.

Closed-Loop Automation

Point automation solutions deployed within siloed environments have proved to be ineffective in the past. In today's era of hybrid multi-cloud environments, use cases related to enhancing organizational security,



improving customer experience and enabling business transformation cross-domain have gathered momentum. Achieving optimum network performance will require end-to-end monitoring and quick remediation. Closed-loop automation that enables constant monitoring, instant alerting, and automated remediation capabilities will experience increased adoption in 2020.

AIOps

There may be some whitewashing occurring in network management with respect to the power of integrating artificial intelligence (AI) and machine learning (ML).

However, the benefits are undeniable from rapid troubleshooting, reduced MTTR with proactive alerts and predictive and prescriptive analytics all aimed at improving performance and resiliency. From a NetOps perspective it's still in its infancy stage, but in 2020 there will be a dramatic surge in the integration and practical application of AI and ML.

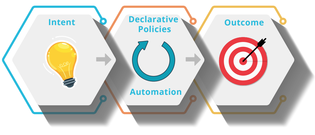
Improved Data Consolidation and Reduced Tool Footprint

The deployment of siloed automation and monitoring have led to a dispersed data set across numerous tools. Network administrators are consequently struggling to manage and maintain a diverse toolset across various vendors.

Ultimately, monitoring must involve the consolidation of multiple tools into a single monitoring & automation solution that seamlessly interfaces with the network topology. Achieving single-pane-of-glass and single-source-of-truth by reducing tool footprint and consolidating data will be a primary objective of network administrators in 2020.

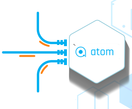
Intent-Based Networking

Though still nascent in its implementation, efforts are ongoing within the network infrastructure market to provide simplified intent-based network operations (IBN). Consequently, IBN is expected to be the "Siri" or "Alexa" of the networking world as voice is a perfect example of expressing intent.



2020 will give rise to many automation solutions embracing intent-based networking. Some will be more complete than others, but the eventual winners will encompass a microservices architecture that scales to support a broad number of devices from a multitude of vendors.

Anuta ATOM Platform delivers Closed-loop automation and provides in-depth network analytics to multi-vendor and multi-domain networks. Powered with low-code automation, ATOM reduces tool footprint and consolidates dispersed data to provide a single-source-of-truth.



Learn more about Anuta ATOM platform and contact us today to see closed-loop automation in action.

Contact Us