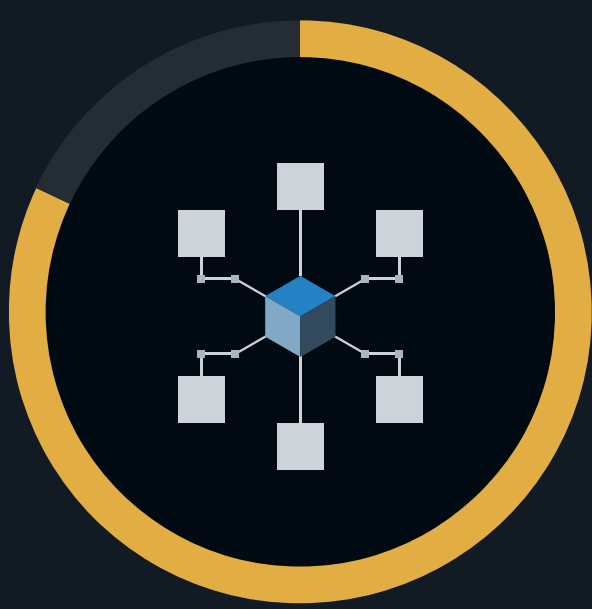# The Role of AI and Automation in Networking

Organizations depend on the network environment to deliver highly available and secure connectivity to every application, location, and employee. However, network operations teams now have exponentially more network connections, endpoints, and data traversing the network to contend with. Operations teams struggle to collect all the network data, correlate it with context, and act decisively to resolve issues that arise. As a result, they need to take advantage of the intelligence provided by AI and the ability to automate more than just initial configurations. TechTarget's Enterprise Strategy Group recently surveyed network professionals involved with network AI and automation technology and processes to gain insights into these trends.
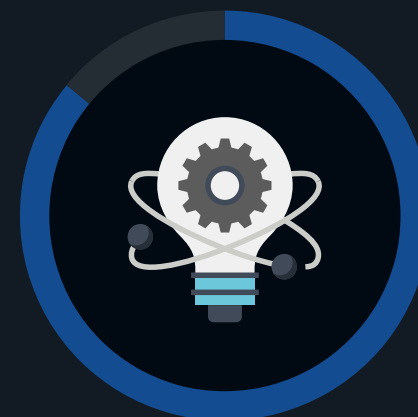
Notable findings from this study include:

82% of organizations say their **network environment is more complex than it was two years ago.**

50% of organizations say cloud-native applications create increased network complexity.
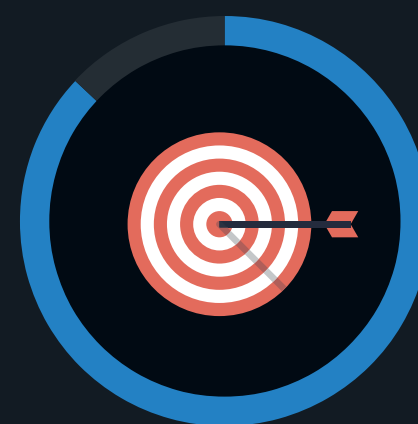
86% of organizations state that network automation solutions have met or exceeded their expectations for improved security.

83% of organizations have used AI technologies to support processes in their network environment for two years or more.

87% of organizations state that network AI solutions have met or exceeded their expectations for recommended actions.

93% of organizations state that integrated AI and automation solutions have **met or exceeded their expectations for increased network team productivity.**

For more from this Enterprise Strategy Group study, read the full research report, *The Role of AI and Automation in Networking.*

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