

The Role of AIOps in Network and Security Operations

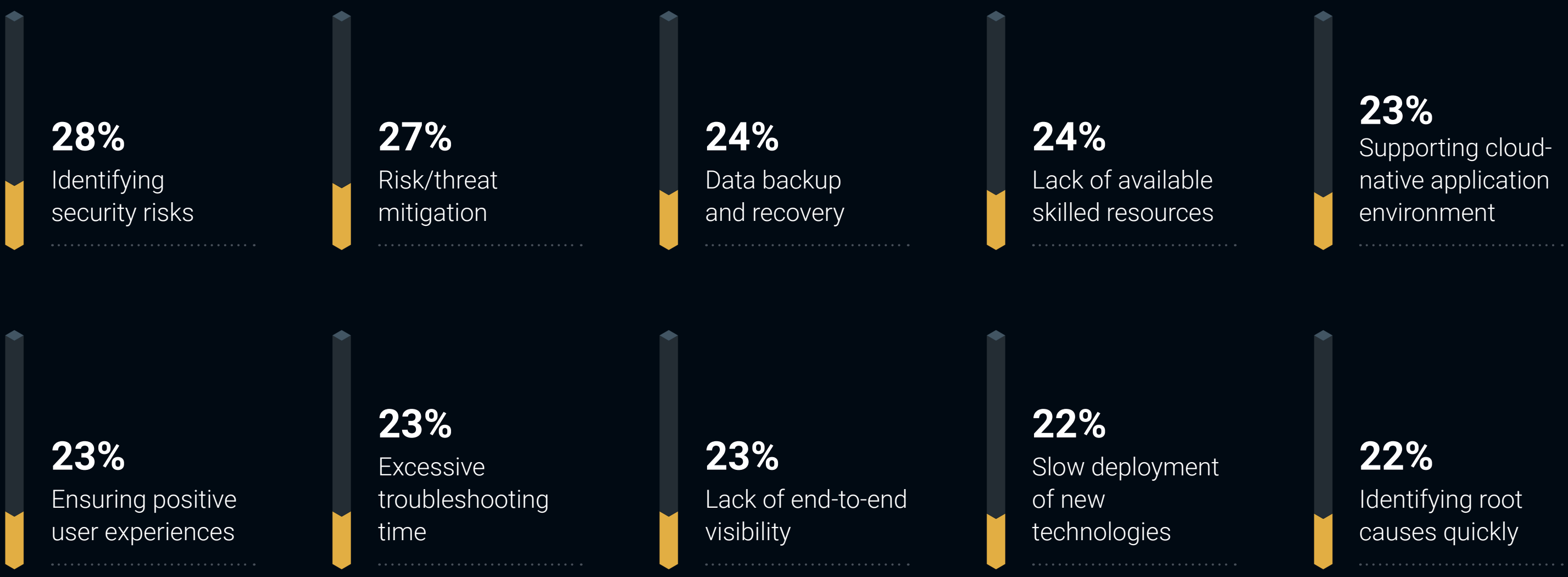
Much attention is being focused on how AI might make a meaningful difference in day-to-day network operations. Early adopters are already witnessing positive advantages, and for those that have developed comfort with network automation, the combined effect can be even more substantial. Furthermore, the benefits are going beyond network operations, paying dividends in network engineering and security as well.

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Network Operations Are Stressed by Complexity

Today's distributed, hybrid network infrastructures bring a range of challenges for network operations teams.

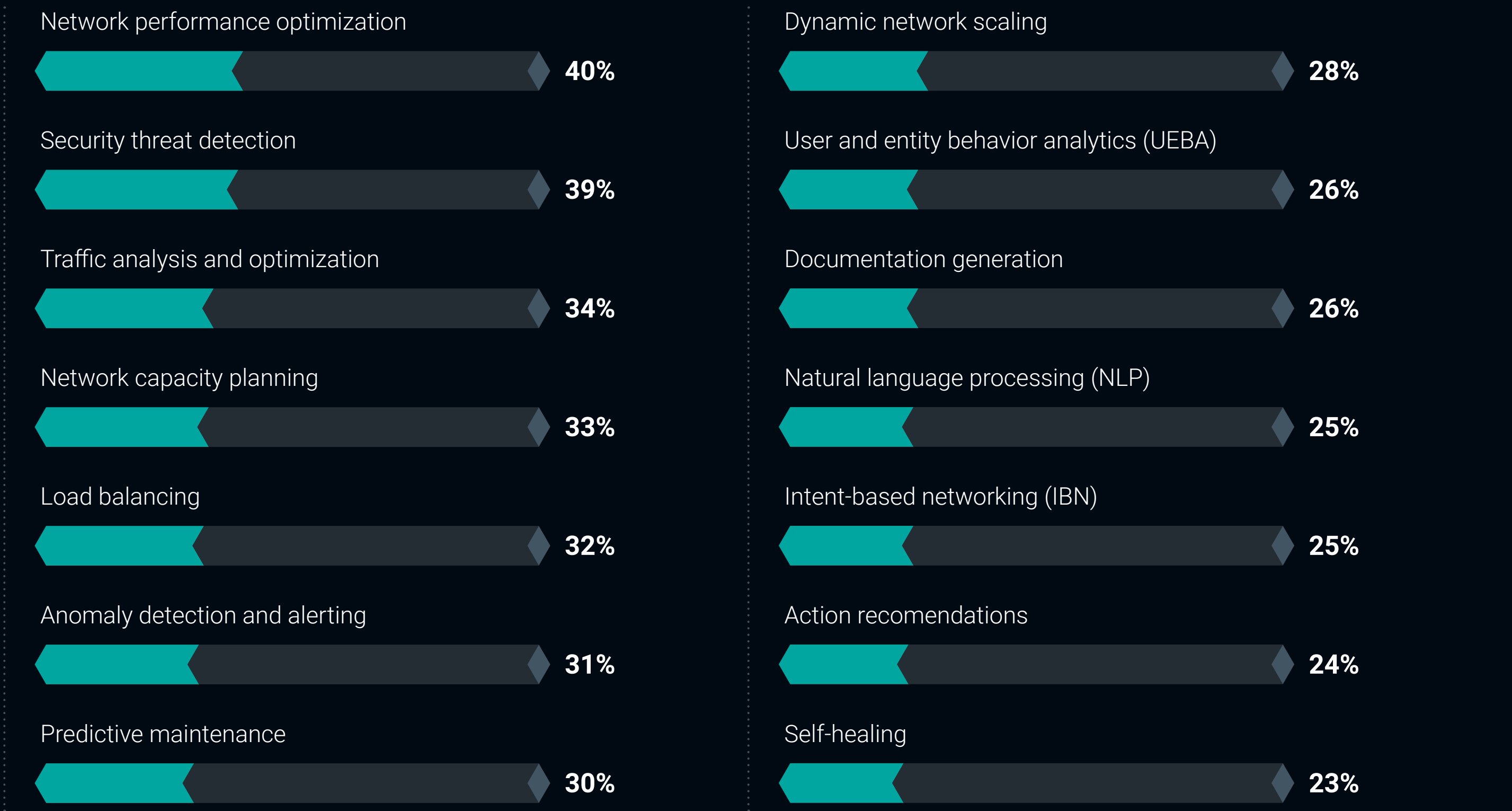
» Most significant challenges associated with managing highly distributed network environments



Bringing AI to Networks

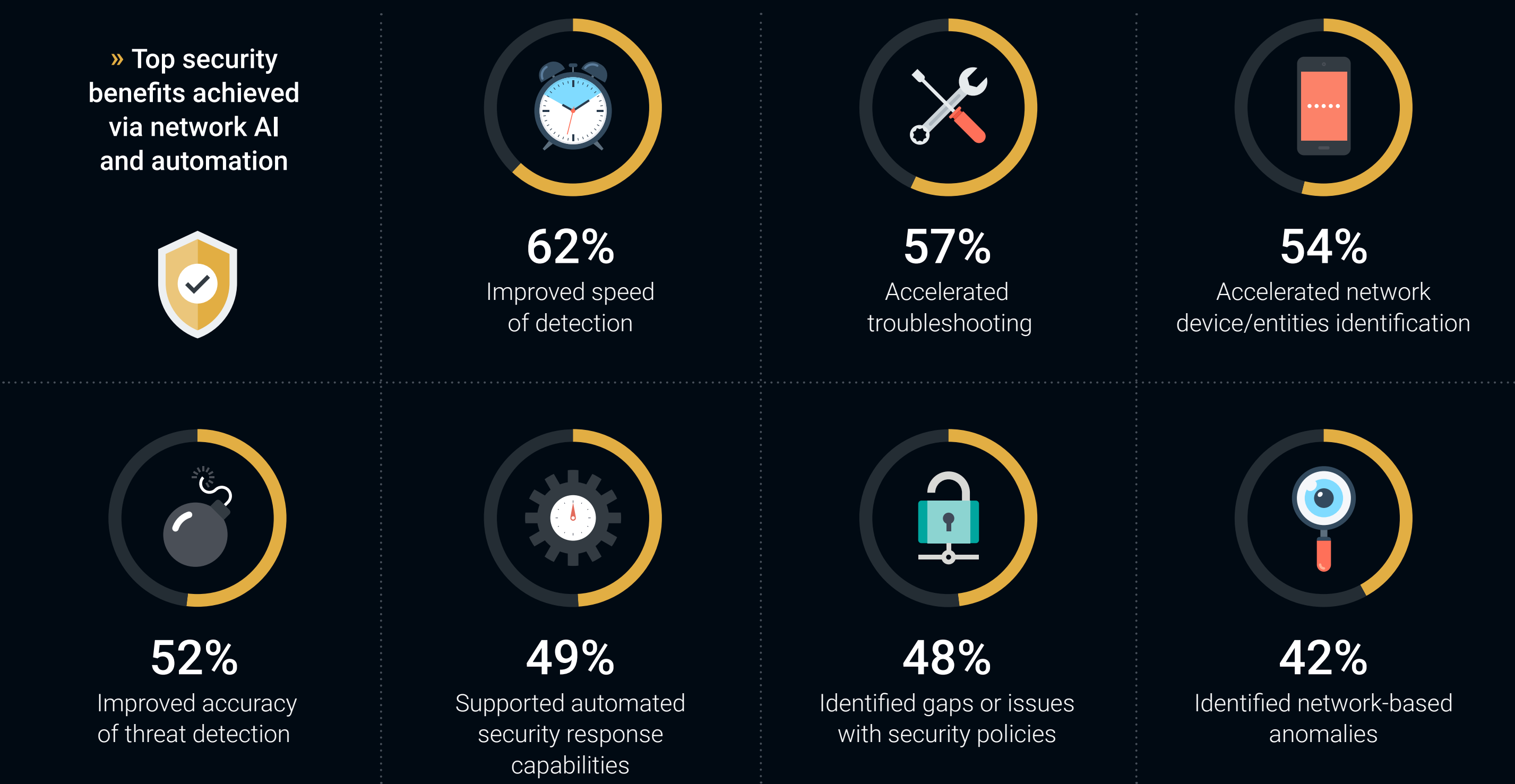
The introduction of AI technologies to networking is being driven not only by multiple network operations tasks but also by network engineering and network security objectives.

» Use cases driving the implementation of AI in network environments



Combining AI and Automation Aids Network Security

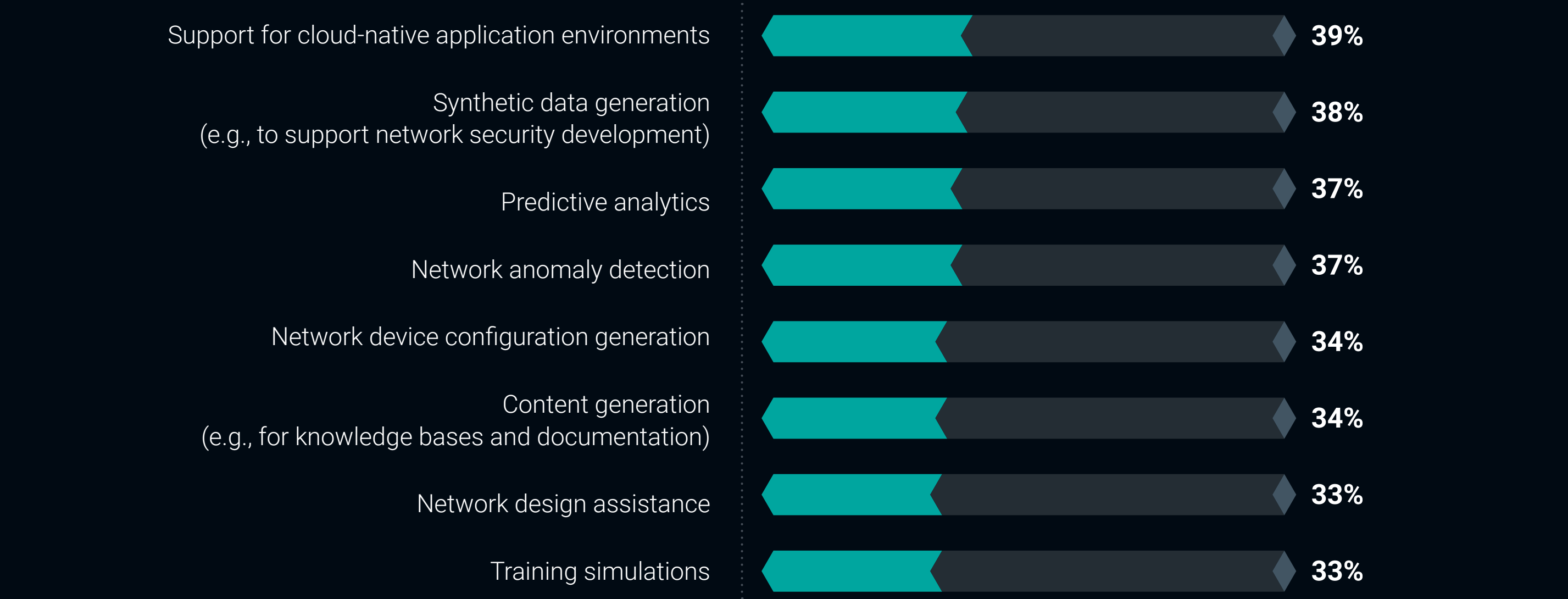
While AI is helpful in meeting networking challenges, combining it with network automation raises benefits to a new level when it comes to network security.



Generative AI Use in Networking Is Growing

Even though generative AI is still at an early stage of maturity, it is already getting attention for addressing a wide range of network engineering, operations, and security needs.

» Use cases driving deployment or consideration of generative AI in network environments



Conclusion

Juniper Networks is dedicated to dramatically simplifying network operations and improving end-user experiences. The use of insights, automation, security, and AI throughout Juniper's solutions translates into direct business and operational advantages.

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