

AI-native Requirements for Modern Networks

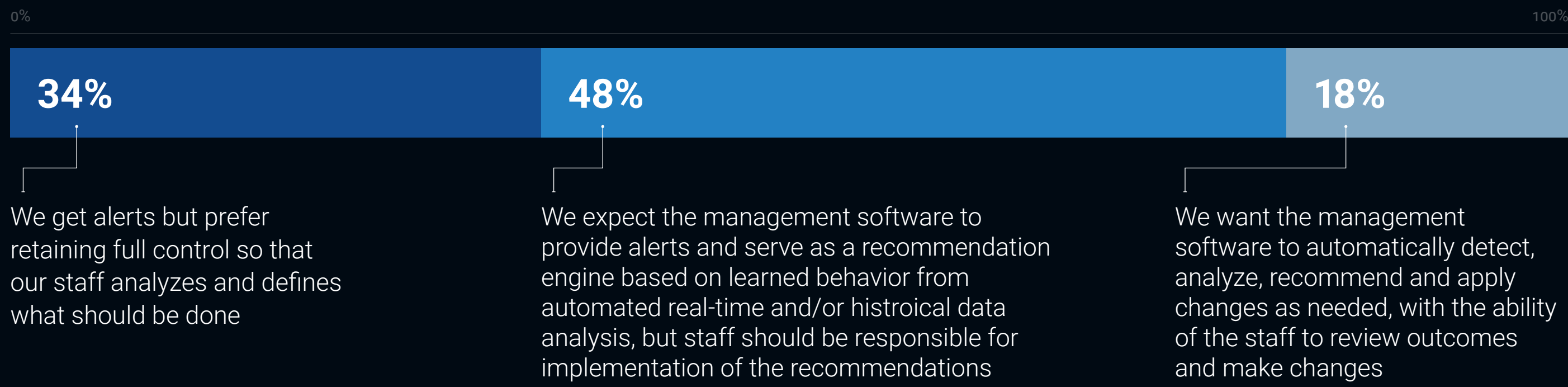
Modern IT and application environments are hybrid, virtualized, containerized, and distributed, and AI technologies are necessary to keep pace. But figuring out how and where to apply AI isn't always straightforward, as past experiences and uncertainties cause some teams to be cautious of full adoption. Fortunately, as applied AI becomes more explainable and mature, documented operational benefits indicate that it is ready and able to help.

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Network Intelligence and Automation Reaching Mainstream

While everyone sees the value of closed-loop, automated management, most are happy with better alerts and recommendations as a valuable step forward.

» Which of the following statements aligns with your organization's preference or expectations in terms of leveraging network intelligence/automation capabilities? (N=339)



Barriers to AI Adoption

While the benefits of leveraging AI/ML tools are appealing, there are challenges that can arise when creating models and achieving adoption, spanning technical, cultural, and process considerations.

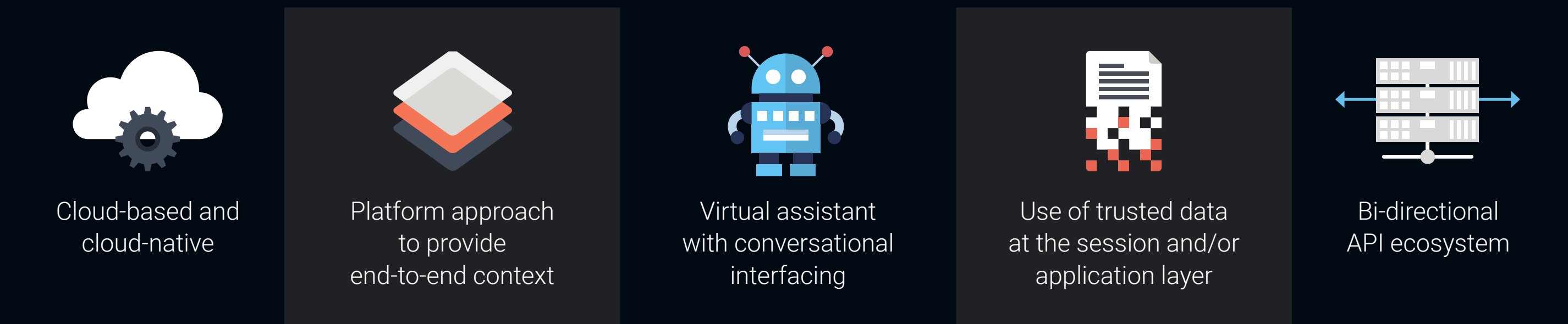
» Barriers to AI adoption in networking



Key AI Criteria for Overcoming Barriers

When researching and investigating network AI operations approaches, it is important to understand which criteria should be evaluated to determine the efficacy and value of any solution being considered.

» Criteria for considering AI-native network solutions



AI-native Approaches Are Surpassing Expectations

Those at the leading edge of deploying AI in network environments are experiencing upside surprises across a wide range of use cases, bringing hope for managing network complexity.

» Networking AI deployment performance against expectations for different use cases



Conclusion

AI-native management technologies are essential for managing today's and tomorrow's networks. Juniper's Mist Cloud solution brings AI to bear across all network types and all primary network engineering and operations tasks.

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