Evolution of Cloud in Education

September 2018

Secure, intelligent platform for the digital campus

Reinvent Networking

Enable a Multi-Cloud World

Unlock the Power of Data

Enrich the Employee/Customer Experience

Deploy Security Everywhere

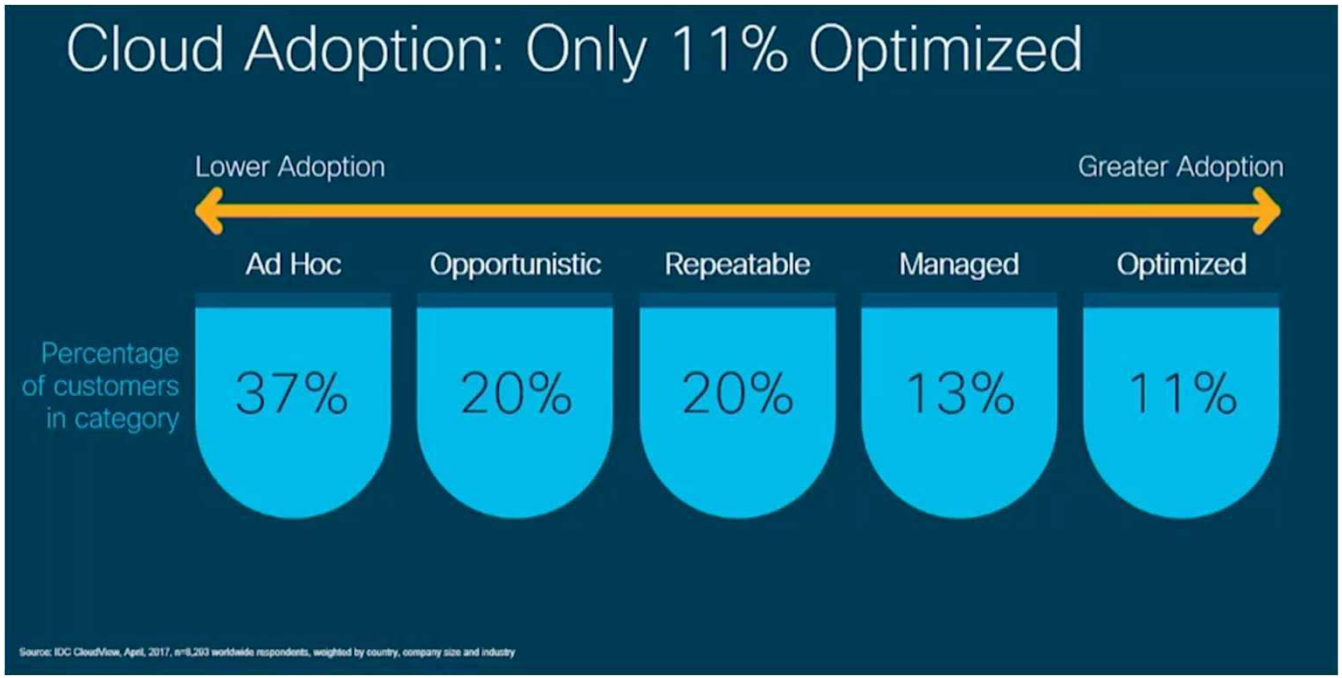
There is a key role for Universities - in partnership with Cisco – to accelerate change

Why Cisco invested in the study

2018 Priority for Unis

1. Supporting Student Success
2. Information Security
3. Business Transformation
4. Digital Strategy
5. Educational Technology
6. Research Support
7. Change Leadership
8. Digital Integrations
9. Cultural Change
10. Data Management and Governance

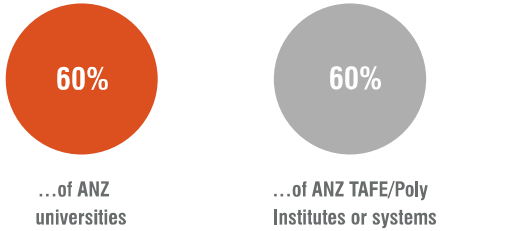
Our global research indicated adoption was limited



About the study: *42 responses, 54% CIO level across ANZ*

Profile for respondents to the survey

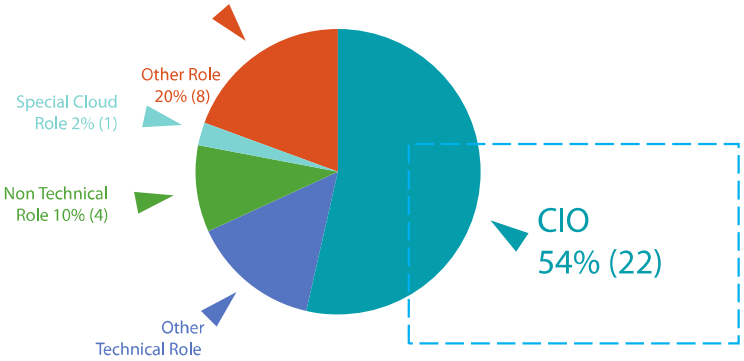
The majority of institutions/ systems across ANZ responded to the study

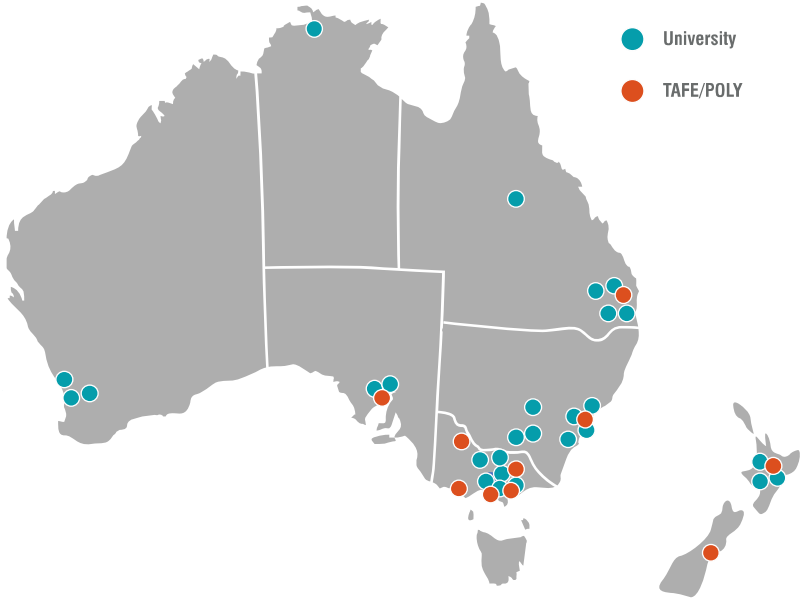


…of ANZ universities

…of ANZ TAFE/Poly Institutes or systems

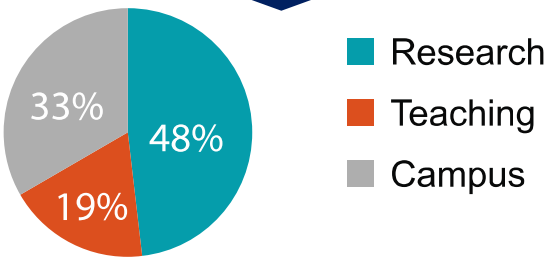
Dominated by CIOs



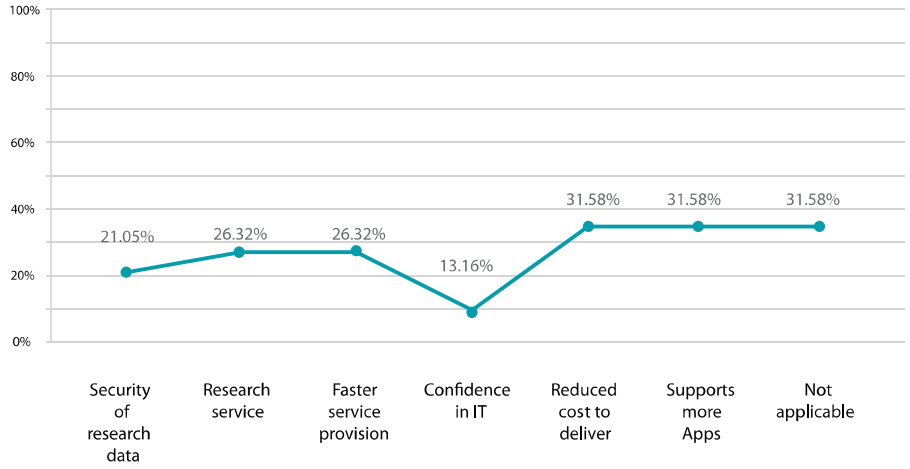


What's driving usage and interest in cloud

Use cases



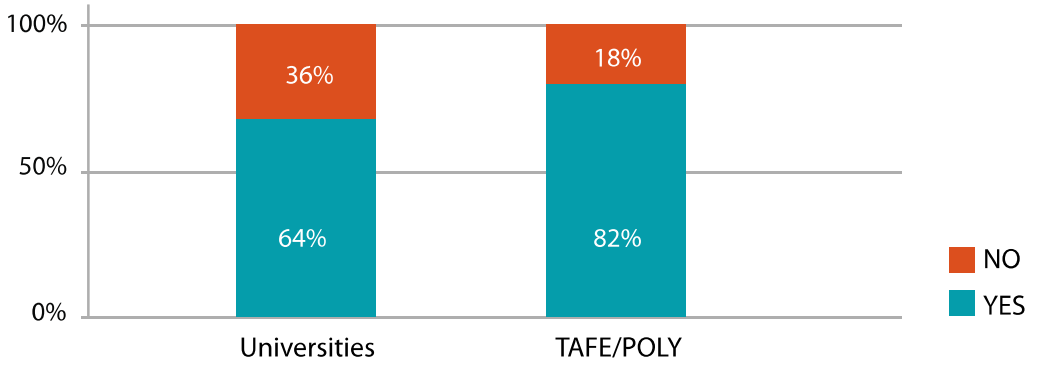
What are the major benefits of private cloud from a research perspective?



*Note the not applicable response above relate to TAFEs/Polys

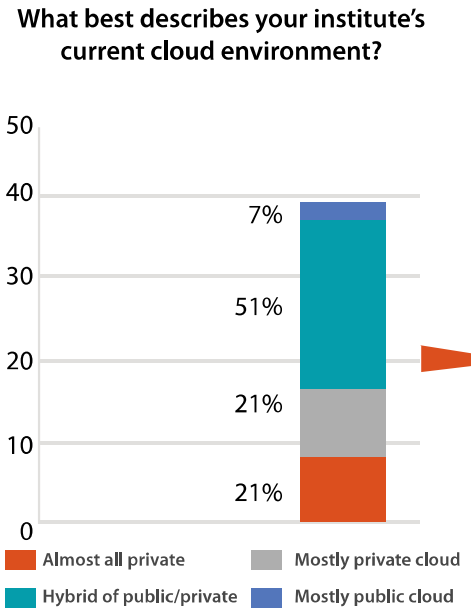
Burning Platform of Cyber

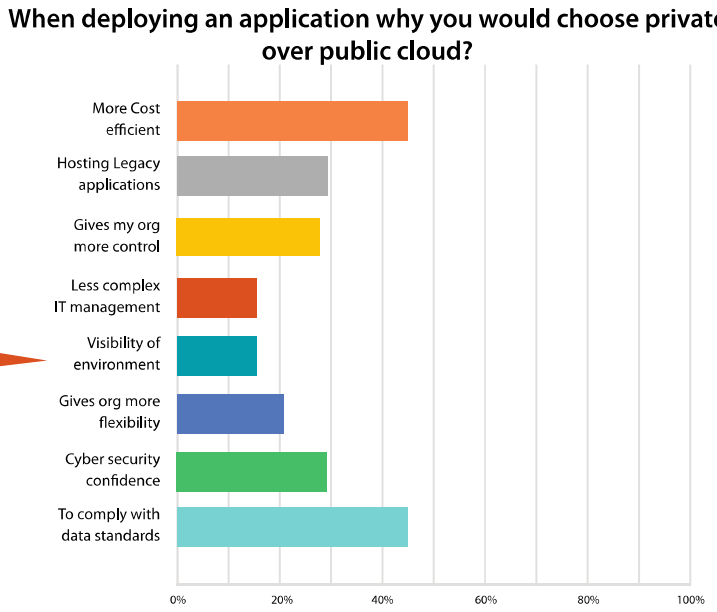
Has the increased focus on cybersecurity created more urgency and scrutiny around your cloud environment?



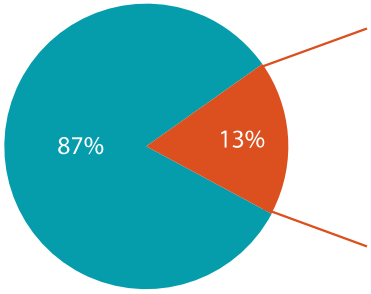
The typical cloud environment is private or multi-cloud

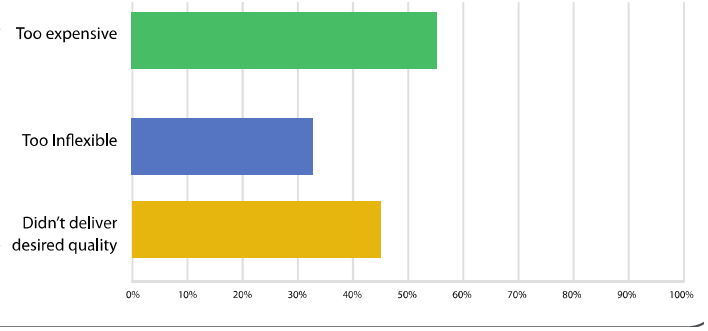
Environments





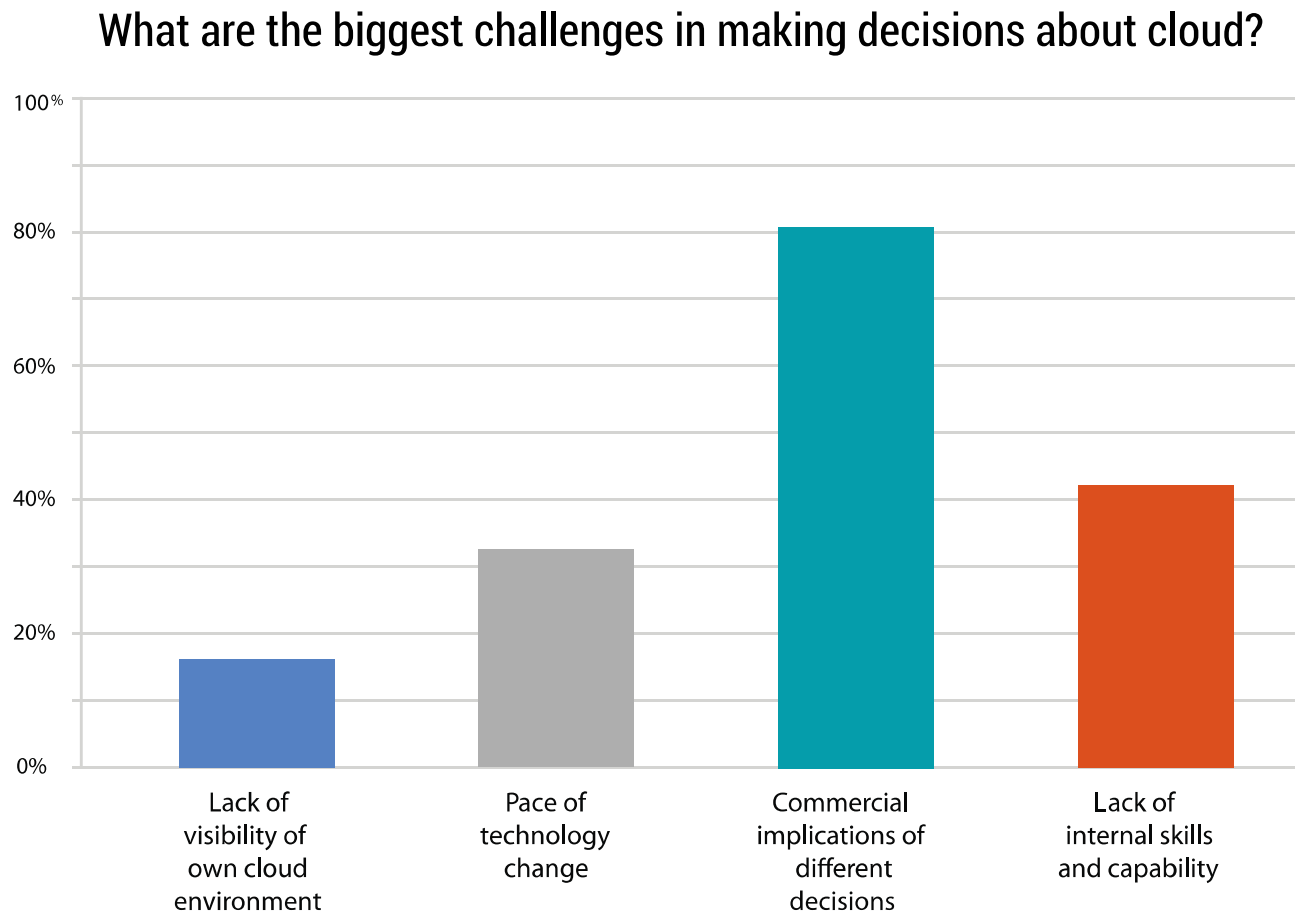
Workloads



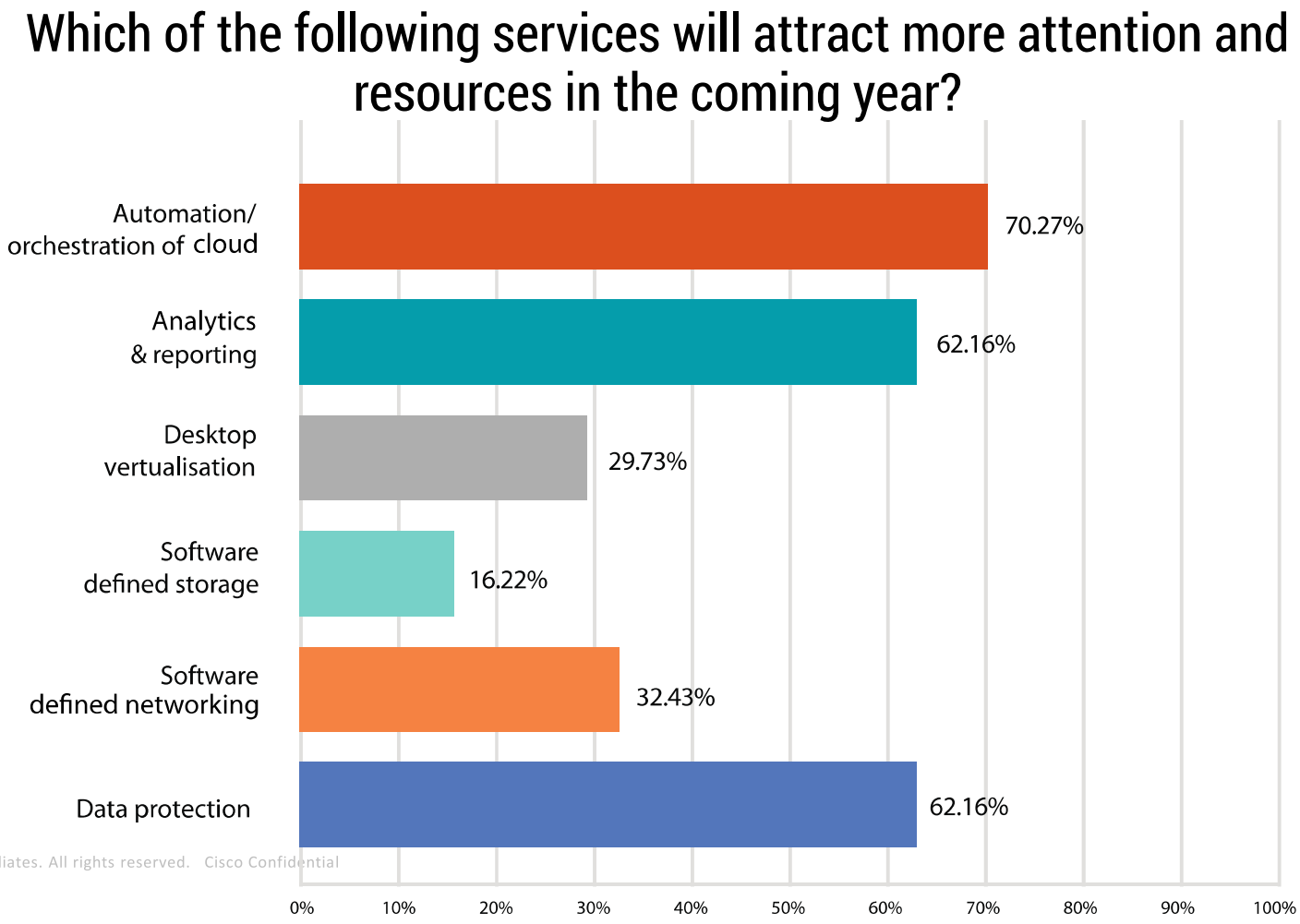


(Note this response is for universities and TAFEs/Polys)

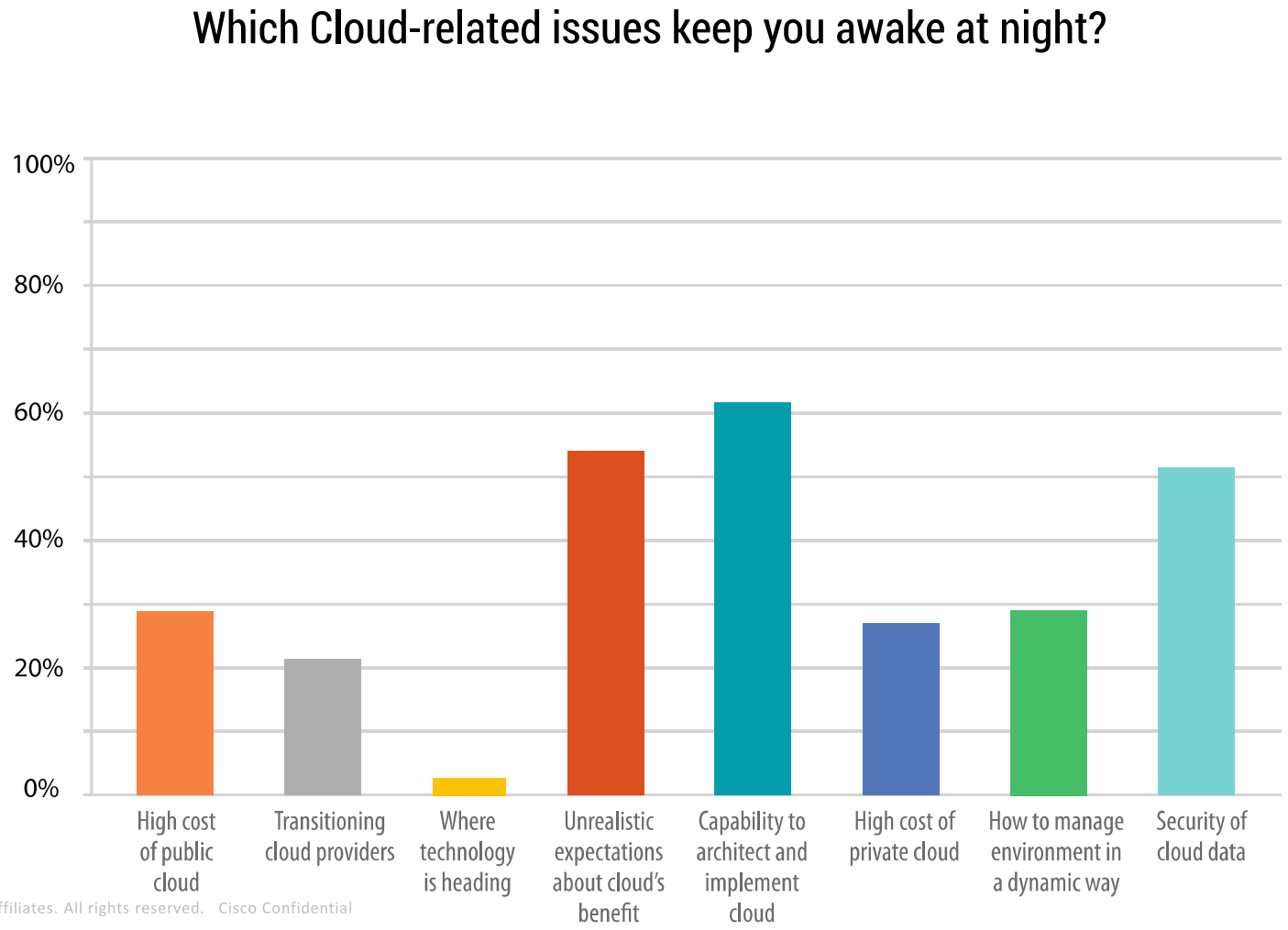
The commercial aspect of cloud is challenging



Automation / data protection are priorities for the cloud roadmap



Unrealistic expectations about cloud are creating issues



Major takeaways

The future is multi-cloud, with a preference for private cloud

Despite cloud environments being mostly private (51%), hybrid (21%) or mostly public (7%) there is a strong bias towards private cloud. This is driven by advantages around cost, flexibility and capacity to support legacy applications. The major question for institutions is less about which cloud and more about how to maintain controls and visibililty across a range of clouds.

Security has to be embedded in the cloud

The relationship between security and cloud is becoming stronger. Scrutiny on cloud decisions is largely driven by the renewed focus on cybersecurity. Embedding security in infrastructure is increasingly common so threats can be detected early and responded to quickly.

The commercial implications of cloud decisions are not well understood

Despite advice from multiple sources (including independent advisors) institutes and systems still view the commercial side of cloud as a black box. Institutes reported not knowing what the true costs (or potential savings) would be until after services had been deployed – i.e. when it's too late. In some scenarios workloads were transferred from public back to private cloud because it was too expensive but also because it didn't deliver the desired outcomes.