

Cloud trust for your organisation

Every resilient cloud needs a trust lining

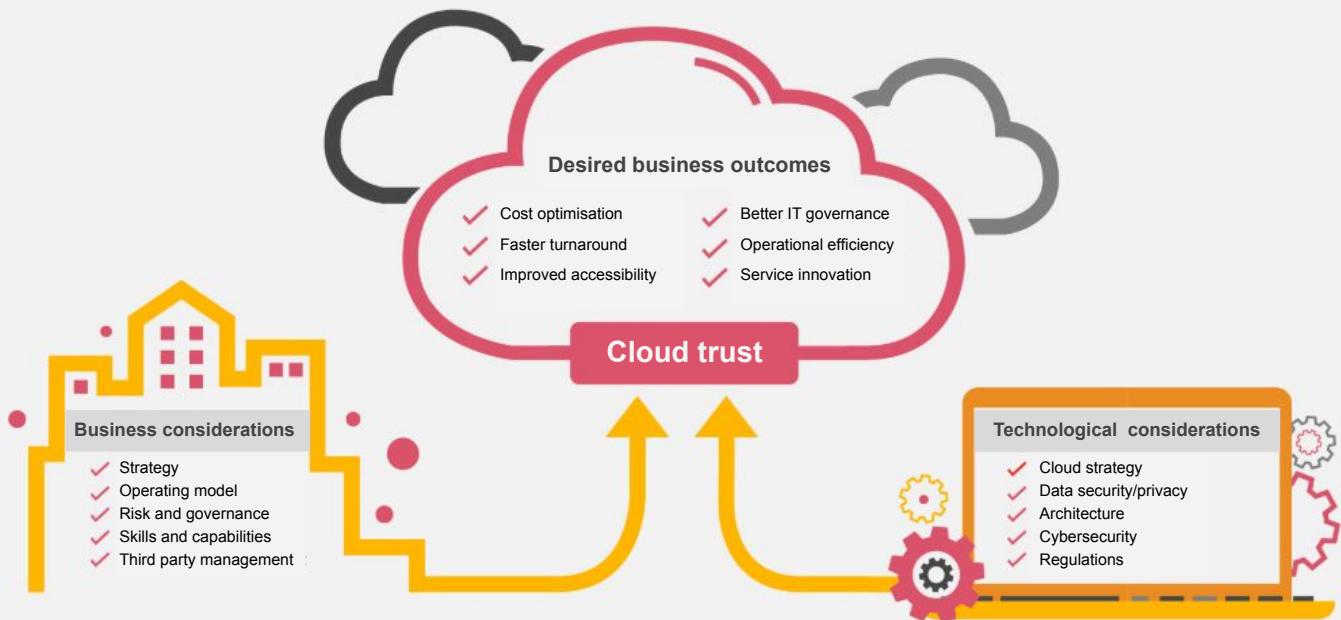


In the recent [Global Digital Trust Insights Survey 2021](#), it was found that the COVID-19 pandemic led organisations around the world to accelerate their digital transformation at an unprecedented rate - advancing to year two or three of their five-year plans. With a transition to remote ways of working, organisations are leaning on public cloud services for greater efficiency at a lower cost.

The future of cloud is now: executives strongly agree that moving to the cloud is foundational for the next generation of business solutions for their organisation. However, with accelerated digitalisation comes an increased threat outlook. The survey shows us that cloud is one of the leading threat vectors for organisations, topping the list of threats that will have significantly negative impact. This is not a surprise - a series of high-profile breaches of sensitive data have further brought to the forefront the challenge of building trust and security in the cloud.

More than a third of global executives strongly agree that new solutions exist to secure cloud infrastructures better than they have ever been in the past. In order to secure weave cloud technology into the business, there is a need for a cloud trust model to manage governance, mitigate risks and ensure that people, processes and technology converge meaningfully. Business strategies are being reimagined and digital ambitions are racing. But like how every race car needs high-powered brakes, every cloud transformation needs digital trust to make the transformation a lot safer.





Tying cloud trust to your desired business outcomes

What are the top-of-mind questions for cloud leaders today?

- Continuously evolving regulatory landscape and complexities on multitude of guidelines and notices
- Concerns over the lack of data control in the cloud infrastructure, with multi-tenancy in cloud
- Exponential evolution in cloud cyber space and ever increasing complexity of threat vectors
- A proper understanding of shared responsibility and third party management to ensure management of people, processes and technological aspects of cloud operations

Business considerations



- **Strategy:** Aligning the cloud implementation objectives and strategy to overall business strategy.
- **Operating model:** Adopting cloud whilst ensuring operational effectiveness.
- **Risk and governance:** Robust controls and governance of cloud structure.
- **Skills and capabilities:** Upskilling and empowering the workforce to utilise cloud computing technologies.
- **Third party management:** Understanding the shared responsibility model for the cloud.

Technical considerations

- **Cloud strategy:** Identifying the right adoption strategy: cloud, multi-cloud or hybrid-cloud.
- **Data security/privacy:** Securing the cloud, company and user data against external and internal threats.
- **Architecture:** Establishing the cloud architecture and ensuring it is secure, resilient and future-ready.
- **Cybersecurity:** Evaluating the maturity of the network, perimeter and endpoint security.
- **Regulations:** Ensuring adherence to evolving regulations and industry guidelines for cloud infrastructure.





Securing your cloud adoption opens up a world of opportunities

The most optimal cloud adoption is one which brings together the business objectives and technological objectives, rather than the two working in silos for the desired organisational outcome.

Typically, cloud technology has the potential to transform the organisation with cost optimisation, better IT governance, faster turnaround time, operational efficiency, improved accessibility and service innovation.

This signals a greater need for organisations to invest in a robust cloud security and governance foundation, which takes time to build owing to multiple cloud trust related issues around risk, security, architecture, governance, regulations and compliance.

How PwC Singapore can help

1. Pre-adoption: Developing a cloud strategy in line with business outcomes

A cloud strategy aligned with business goals can help companies effectively manage the business and technological aspects in the cloud. We can help you develop a holistic cloud strategy to help your companies navigate risks with confidence and security through the different phases of your cloud journey. Our experience in business, technology, risk and controls provides powerful insights into how building trust in cloud computing can transform your business and address common pitfalls.

2. Adoption: Implementation of a cloud trust framework for your organisation

PwC's control objective based cloud trust framework is capable of addressing comprehensive hybrid and multi cloud risk, control, security and governance needs. The cloud trust framework leverages the industry's leading regulations and guidelines e.g. CSA CCM, NIST, ISO27K, MAS TRM, ABS 2.0, Government standards, etc. which enable us to provide oversight across the below four risk domains:



Strategy and governance

Integrate security, privacy, and risk management into the overall cloud transformation business case and roadmap



Operations and automation

Devise robust cloud security operations and preventive controls



Core and foundational capabilities

Enables secure integration of IT infrastructure with the broader business



Data privacy and protection

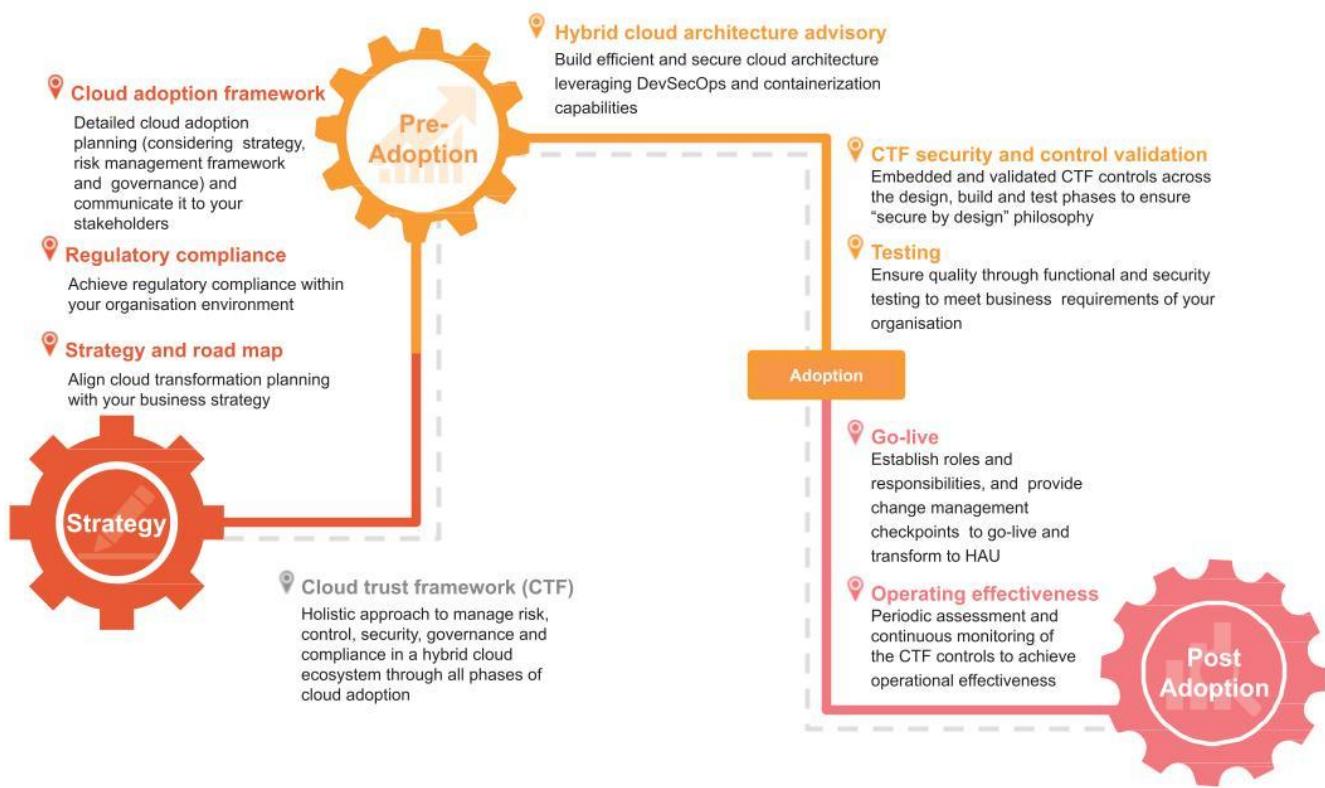
Provides controls that build the customer's confidence in security of sensitive data

How PwC Singapore can help

3. Post-adoption: Efficient cloud operations with continuous compliance

With the dynamic nature of a multi-cloud ecosystem, it is imperative that organisations conduct periodic reviews of operating procedures, processes and technical controls. This enables:

- An assessment of operational effectiveness in line with the cloud trust framework and principles
- Monitoring of the control landscape in real-time, to gain deeper insights on gaps, threats and achieve continuous compliance
- Keep abreast of the competitive landscape and gain an insight against industry peers





Services:

With a comprehensive list of provided services, we are able to assist companies seamlessly in their cloud transformation process beginning from the adoption phase through to the operation phase. Some of the salient assurance services are mentioned as below:



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