Fast forwarding your cloud security strategy

As the cloud moves from mainstream to mainstay, now is the time to get smart on your cloud strategy

The better the question. The better the answer.
The better the world works.

EY
Building a better
working world

As we emerge from the global pandemic, ongoing digital transformation and work anywhere policies are accelerating cloud adoption. At the same time, cyber security continues to be a major cause of concern. Given that a "no cloud" strategy in five years will feel like a "no internet" strategy today, it's vital not to leave trust to chance. Organizations should start now to implement cloud strategies that enable their business and address security concerns.

What are the Biggest Cloud Security Concerns?

‣ Data loss or leakage;
‣ Data privacy and confidentiality;
‣ Accidental exposure of credentials.

What are the Benefits of Cloud?

‣ Speed to market and agility;
‣ Cost optimisation;
‣ Productivity and scalability.

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Our Company Focus

Partnering with a knowledgeable external partner can help. At EY, we aim to take the burden of compliance and risk out of the client's cloud journey. From design, build and operation. With that we strive to be the nr 1 cloud security services provider for regulated industry within the next couple of years.

▸ Embrace cloud-native technology and principles to enable ubiquitous security.

▸ Shift left to consider security at every stage of the cloud lifecycle.

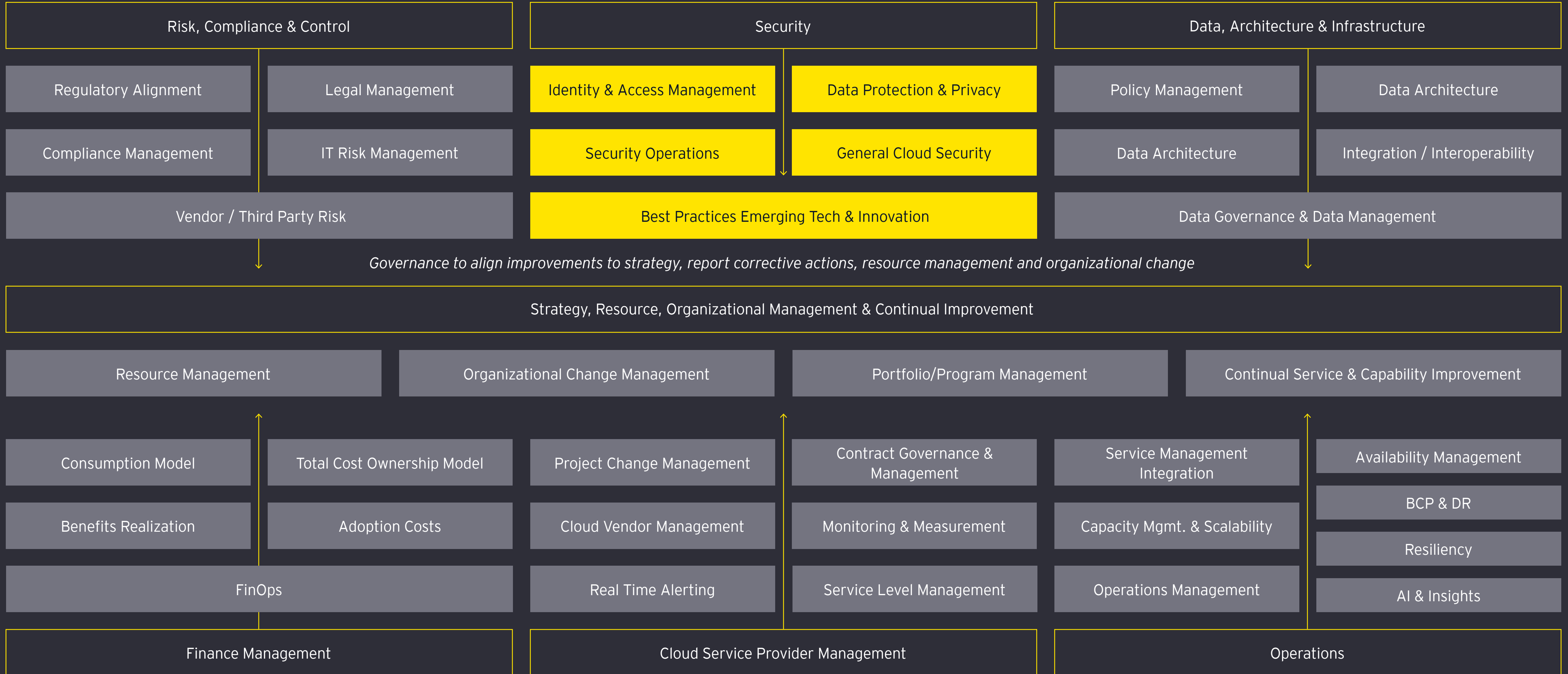▸ Establish a culture of excellence with key internal talent and strong external partners.

Whether you're an early or late adopter, now's time to get cloud smart.

Broad, innovative and integrated solutions
Our Cloud Governance Framework spans across people, process and technology to promote consistency, transparency, efficiencies and oversight across all stages of the cloud management lifecycle. By leveraging this framework, EY will assess and analyse current processes benchmarked against leading industry practices and provide focused recommendations for improvement.

People

Process

Risk, Compliance and Control

Decommission

Cloud Operations

Security

Identify

Strategy, Resource, Organisational Management and Continual Improvement

Cloud Service Provider Management

Data Architecture and Infrastructure

Manage

Configure

Finance Managements

Governance

Technology

Migrate

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Cloud Governance Framework

Risk, Compliance & Control		Security		Data, Architecture & Infrastructure	
Regulatory Alignment	Legal Management	Identity & Access Management	Data Protection & Privacy	Policy Management	Data Architecture
Compliance Management	IT Risk Management	Security Operations	General Cloud Security	Data Architecture	Integration / Interoperability
Vendor / Third Party Risk		Best Practices Emerging Tech & Innovation		Data Governance & Data Management	

Governance to align improvements to strategy, report corrective actions, resource management and organizational change

Strategy, Resource, Organizational Management & Continual Improvement

Resource Management		Organizational Change Management		Portfolio/Program Management		Continual Service & Capability Improvement	
Consumption Model	Total Cost Ownership Model	Project Change Management	Contract Governance & Management	Service Management Integration	Availability Management
Benefits Realization	Adoption Costs	Cloud Vendor Management	Monitoring & Measurement	Capacity Mgmt. & Scalability	BCP & DR
					Resiliency
FinOps		Real Time Alerting	Service Level Management	Operations Management	AI & Insights

Finance Management	Cloud Service Provider Management	Operations

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Cloud Controls Framework:
Alignment with Other Standards

The Cloud Controls Framework is an alignment of internationally recognised standards such as CSA, ISO and NIST.

Cloud Security Alliance
▸ The Cloud Security Alliance (CSA) is the world's leading organization dedicated to defining and raising awareness of best practices to help ensure a secure cloud computing environment.
▸ The cloud security appliance (CSA) CCM lists key controls and considerations for cloud security.
▸ The controls align to various industry standards and guidance.

International Organization for Standardization
▸ ISO 27001 – Information security policy.
▸ ISO 27017 – Information security controls for cloud services.
▸ ISO 27018 – Protection of PII in public clouds acting as PII processors.

NIST 800-53 v4
▸ NIST outlines various considerations, guidelines and recommendations for cloud computing.

Microsoft Azure Security Practices
▸ Public cloud vendors publish best security practices for levering their platforms and define a shared responsibility model for security.

Local Regulations
▸ Applicable industry and local laws and regulations.

1	Risk, Compliance and Control
2	Security
3	Data, Architecture and Infrastructure
4	Finance Managements
5	Cloud Service Provider Management
6	Operations
7	Strategy, Resource, Organizational Management and Continual Improvement

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Figure: Cloud Controls Framework

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Building a better working world

EY exists to build a better working world, helping create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

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The diversity and skills of 70,000+ people will help clients realize transformation by putting humans at the center, delivering technology at speed and leveraging innovation at scale. These core drivers of "Transformation Realized" will create long-term value for people, clients and society.

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