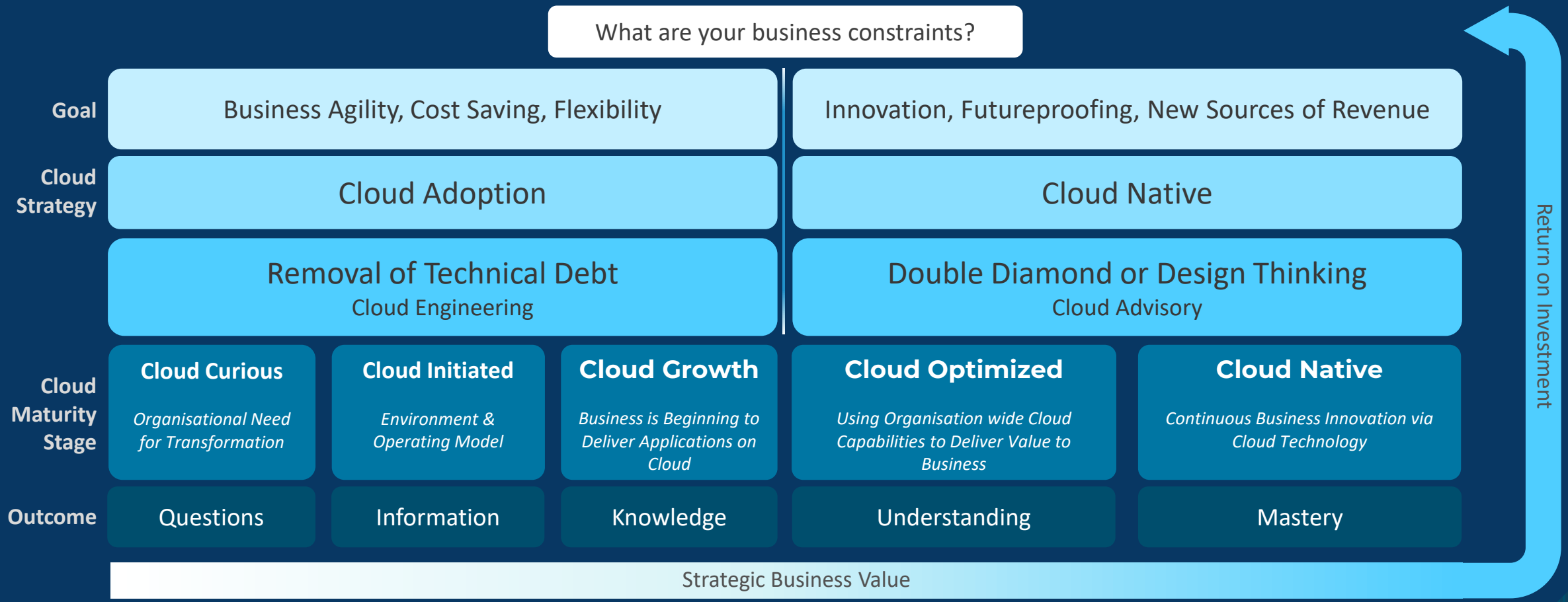
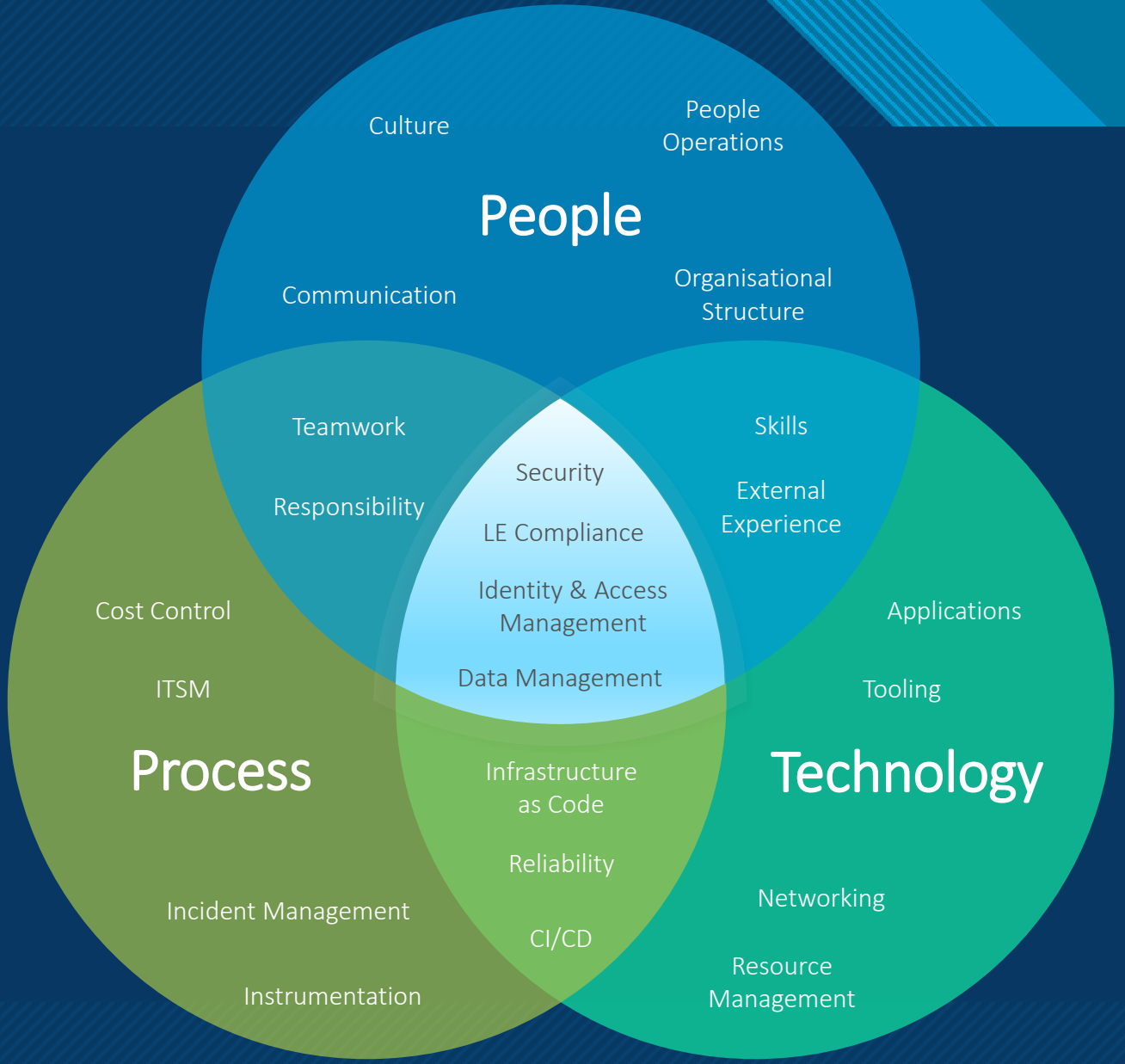
Simplex Services

Enabling cloud transformation with our **Multi-cloud** offering

The Cloud Transformation Vision



Key Aspects


Culture
People Operations
People
Communication
Organisational Structure
Teamwork
Skills
Security
Responsibility
External Experience
LE Compliance
Identity & Access Management
Cost Control
Applications
Data Management
ITSM
Tooling
Process
Infrastructure as Code
Technology
Reliability
Networking
Incident Management
CI/CD
Resource Management
Instrumentation

Our Solution

The Simplex Services Framework

The Simplex Services Framework

Executive Summary
- Overview of the full strategy with drivers, challenges and business goals
- Cloud council team members with holistic roles coverage in the organization

Cloud Computing Baseline
- Common internal cloud nomenclature
- Cloud delivery model (public/private/hybrid/multi)
- Current adoption details
- Training and communication plans

Business Baseline
- Business strategy summary
- Desired business outcomes and goals
- Cloud adoption benefits
- Risks (Security, Compliance, etc.)
- Business goals to cloud adoption mapping

Service Strategy
- Use cases for IaaS/PaaS/SaaS
- How to manage/secure/govern hybrid environment

Financial Models
- Payment models (pay-as-you-go/long-term contracts)
- Capex vs Opex

Principles
- Workload vs Application based
- Cloud adoption principle (Cloud-first, Cloud only, SaaS-first, Best of breed)
- Cloud architecture principle (Cloud-native, Multi-cloud)
- When to Lift-n-Shift (last resort)
- Vendor considerations

Inventory Assessment
- Full inventory of workloads/applications
- Workloads characteristic analysis
- Cost analysis
- Bimodal placement for workloads

Security
- Key security principles
- Roles and responsibilities (internal org vs public cloud providers)
- Governance and compliance
- Alignment with global security strategy

Supporting Elements
- Alignment with data center, security, architecture and other IT strategies
- Cloud strategy alignment with org resources/staffing requirements
- Any other org group dependencies related to cloud strategy success

Exit Strategy
- Contracts, T&C, SLAs
- Data ownership, backups, portability, data movements
- Vendor lock-ins and other legal dependencies
- Technical factors
- Multi-cloud strategy as option to evolve

Cloud Strategy

- Build and document a cloud strategy in a short, living document that should be a concise point of view on the role of cloud in your organization.
- Ensure that your cloud strategy aligns with other strategic plans (data center, security, and architecture) and provides guidance to adoption.
- Plan for the cloud strategy to be the launching point for all the subsequent cloud activities.
- Include an exit strategy that defines how you will get out of a particular cloud decision in the event it doesn't work out as planned.

Why Multi-cloud?

Variety of Data types and compliance requirements for customer and group companies

Availability of a mature private cloud with large but limited capacity

Cloud-first approach for new work loads and applications open for private or public cloud

Exploit the new features released by cloud vendors

Use the marketplace functionalities provided by public cloud

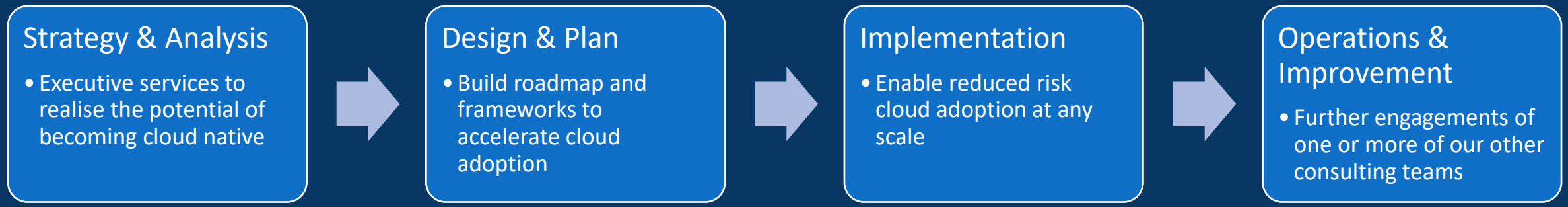
The Multi-cloud Vision

Automate as much as possible (IAC)	Everything as service	Vendor neutrality	Intelligent infra (self-aware, self-healing)
Support hybrid model	Cultural transformation	Continuous evolution	Leverage as DIY

Cloud Migration

Strategy & Analysis	Design & Plan	Implementation
• Business objectives • Cloud strategy and maturity • Applications inventory • Infra inventory • Apps & infra migration strategy • TCO analysis	• Cloud capabilities workshops • Cloud deployment model • Cloud connectivity, security, and governance • Migration MVP for selected workloads • DevOps (SDLC) maturity	• Create cloud center of excellence • PoCs/Feasibility studies • Automation accelerators • Productise cloud platform architecture • Migration roadmap • Planning for scale
Current state Skills and capabilities Gap analysis	Future state vision Migration approach Confirmation of feasibility	Migration roadmap Cloud platform architecture Staff training program

Cloud Implementation Framework



Additional Frameworks

Migration | Tools | DevOps & Automation | Security | Project Management

Our Operating Model

- Identity Access Management
- Single Sign On
- Cloud Platform Security
- Cloud Resource Security
- Compliance & Standards

Cloud Security

- CoE Strategy & Roadmap
- Cloud Governance
- DevOps & Automation
- Technology Architecture
- Training & Skills

Cloud CoE

- Incident Management
- Problem Management
- Knowledge Management
- Change Management
- Capacity Management

IT Service Management

- Monitoring
- Update Management
- Config Management
- Disaster Recovery
- Logging

Cloud Management

The Blueprint

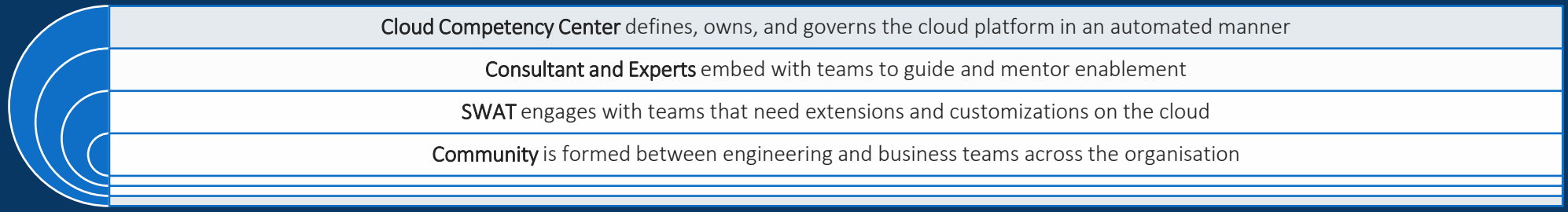
Primary Activities

- Cloud Migration Strategy and Roadmap
- Infra and Deployment Automation
- Cloud Governance & Orchestration
- Cost Optimisation
- Training and enablement

Secondary Activities

- Analysis and reduction of technical debt
- Security, Compliance, CI/CD automation
- Migration planning, Adoption and Support
- Infrastructure templates, patterns and best practices
- Building a culture of cloud awareness

Long-term Structure



Cloud CoE

A virtual steering committee of key stakeholders to jumpstart cloud adoption as well as drive cloud strategy, governance standards, policies, and management of the cloud ecosystem.

Challenges & Mitigation

Resistance from internal business units

- Create a transparent and measurable business case with clear problem statements and benefits

Resistance from existing IT support teams

- Integrate with IT support teams and include selective existing support IT staff in CoE functions

Little or no documentation for current IT architecture

- Invest on collaborative documentation tools to create and maintain CoE documents

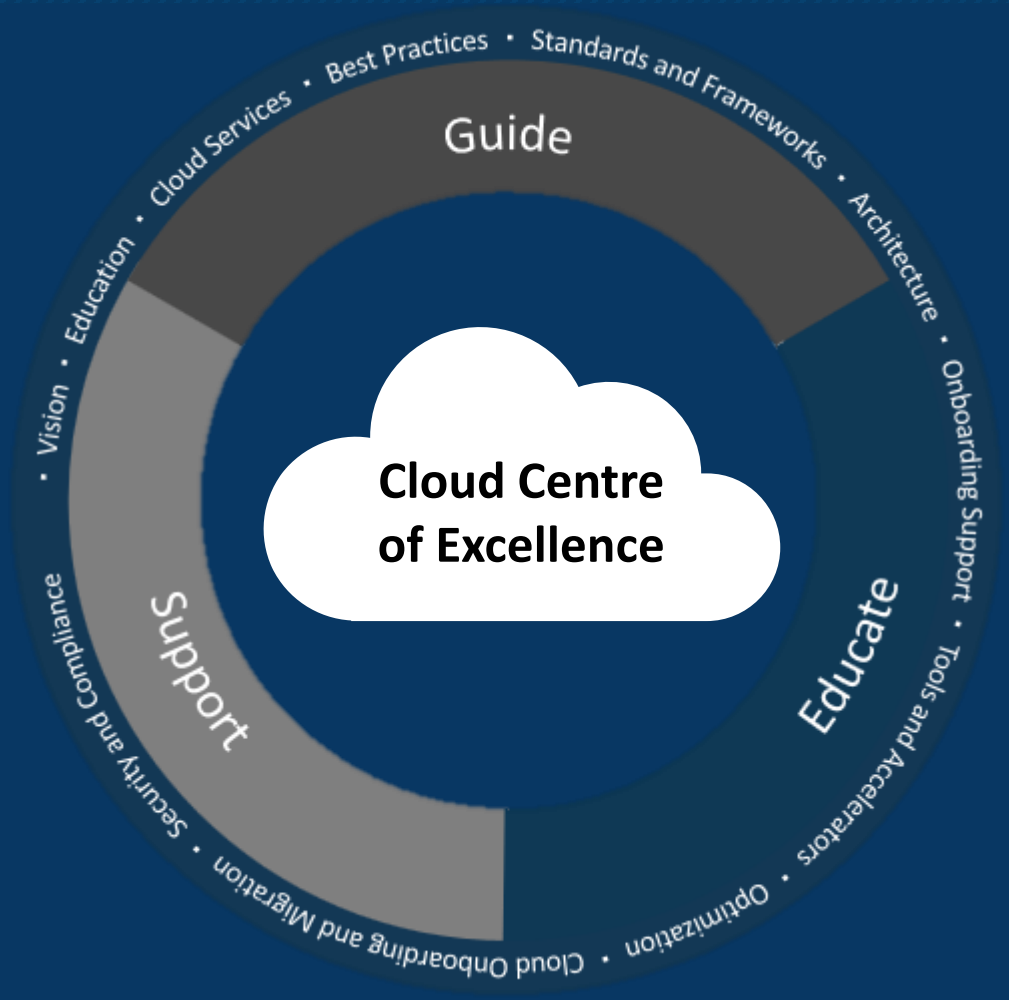
Manual approvals process for cloud resources provisioning

- Create approval workflows in ITSM tools with clear definition of catalogue items

CoE becomes a bottleneck for IT projects and delivery

- Clear definition of CoE roles and responsibilities; also definition of project delivery lifecycle and its stakeholders

Cloud Centre of Excellence



VISION

- Cloud Center of Excellence creates a central unit that coordinates and drives cloud adoption efforts throughout the enterprise.

MISSION

- The Cloud CoE establishes a central group that leads the vision of cloud, defines the cloud services portfolio, provides guidance and education to the business on cloud initiatives, and supports its customers through their journey to the cloud.

The CoE Vision

- Partners key cloud stakeholders, influencers, and cloud expertise in one virtual unit
- Guides and governs Cloud services (technical and process squads, tools & services, and cloud-native services); Enables faster adoption
- Serves as the Cloud Governance construct
- Integrates with existing architecture, strategy and governance bodies
- Supports organization on cloud topics, innovation, and issues
- Informs Cloud Strategy activities, tactical planning, product guidance
- Helps to infuse Cloud related knowledge and training into the organization

Cloud Centre of Excellence

- Single stop shop for cloud governance
- People/skills development and fulfillment
- Operational excellence
- User education/training
- Agility
- Standardisation

Key Benefits

Scope

Functional Requirements

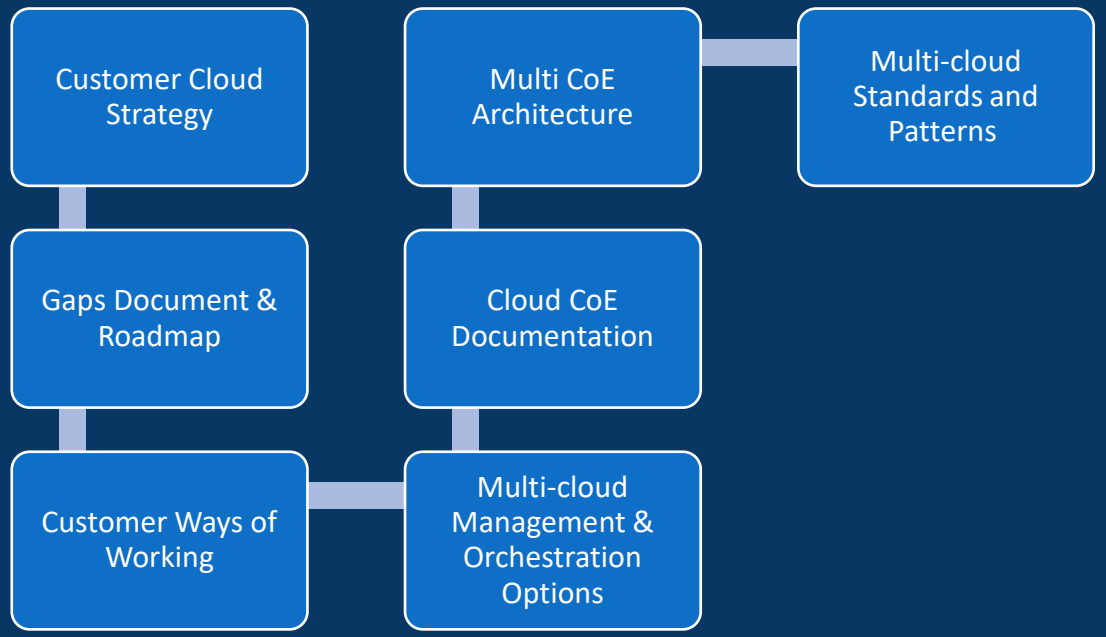
Establish a Cloud Centre of Excellence Governance for the customer	Creation of strategy (short and long term) for cloud adoption	Establish service catalogue for demand management	Establish foundation architecture for cloud adoption	Enablement of advanced multi-cloud capabilities	Establish integration with enterprise IT functions
Create cloud operational framework	Establish cloud cost usage and transparency	Establish and evolve DevOps and automation practices	Compliance with customer's IT security guidelines	Set up cloud competency center and training programs	Setup cloud maturity assessment framework for continuous improvements

Non-functional Requirements

Availability Management	Performance Management	Unified Cloud Monitoring	Cloud Security Management	Business Continuity & Disaster Recovery	Migration to Multi-cloud

Activities

DELIVERABLES



ROADMAP

Assessment & Analysis

- AS-IS Cloud Architecture
- AS-IS Cloud Landscape
- Risks & Issues
- Final Cloud CoE Setup Plan

CoE Foundation Setup

- Cloud Principles
- Reference Architecture
- Standards & Patterns
- Automation Templates
- Operational Policies

CoE PaaS & Enhancement

- Self-Service Enablement
- Reference Architectures
- Standards & Patterns
- Security Reporting
- Automation Templates

CoE Advanced Setup

- Self-Service Enablement
- Reference Architectures
- Standards & Patterns
- Security Reporting
- Automation Templates