



Cloud Engineering Services



Mphasis DCS & Cloud Engineering Services Catalog



20+

Year's experience
in Global Delivery

20

Countries Served

60+

Clients Served

3500+

Cloud Certified
SMEs

90+

Migrations & Carve
Outs

3500+

Cloud Certified
SMEs

Core Infrastructure & Platforms

Datacenter Services

Hyperscaler Services

OS Platform Services

Database Services

Storage Services

Backup Services

Strategic Guidance/
Professional Advisory

Assess Public/Hybrid
Cloud adoption
requirements

Hybrid Cloud Managed
Services Assessment

Well Architected
Framework Review

TCO Comparison/Cost
Analysis

Cloud Readiness
Assessment, Arch &
Design

Roll out & Divestiture
(M&A)

Merger/Consolidation,
Acquisition, Carve Out,

Cloud Adoption –
Greenfield Setup

Colo-DC Implementation

Business Continuity and
Disaster Recovery(BCDR)

Active Directory
Migration Services

Transformation

Datacenter Exit & Cloud
Migration

Hybrid Cloud build and
deploy

VMWare exit

Modernization –
Microservices
Implementation

Hybrid Infrastructure
Managed Services

Cloud and Hybrid Infra
Managed Services

Lifecycle Management
(Hardware & Platform)

Observability

ITSM & AIOPS

OPTIMIZATION & FinOPS

FinOps Strategy &
Roadmap Assessment

FinOPS Kickstart

Managed FinOps &
Continuous Optimization

Accelerators

- **30+ Infrastructure-as-Code Blueprints** for Accelerated Go-to-Market on Hyperscalers
- **Integrated FinOPS Framework** offered through Managed Services CloudOPS.
- **Collection of 250+ Run book** and process guide
- **300+ SIP Libraries** for point Automation
- **De-Risked Transition Process** framework for CloudOPS.

Differentiator

- Multi-cloud Multi-domain Expertise
- AI/ML Driven Managed Cloud-OPS
- Product Agnostic
- Multiskilled Architect & SME's
- Mphasis Knowledge University - FAQ and Knowledge portal - for Known errors / solution and for faster resolution of priority incidents
- Ability to assess situation & build point automations to support the project needs.

Key Partnerships and Alliances



Offered Services

Technology domains

Our Services

 Strategic Guidance/
Professional Advisory

 Roll out &
Divestiture (M&A)

 Hybrid Infrastructure
Managed Services

 OPTIMIZATION &
FinOPS

- Public/Hybrid Cloud adoption requirements
- Hybrid Cloud Managed Services Assessment
- Well Architected Framework Review
- TCO Comparison/Cost Analysis

- Migration & Merger, Carveout Engineering
- Greenfield/Brownfield Setup
- Business Continuity and Disaster Recovery(BCDR)
- Transformation & Modernization

- Infra Lifecycle Management
- Data Protection
- Observability
- Automation & AIOps

- Visibility and Transparency
- Budgeting and Forecasting
- Governance and Policy
- Optimization and Efficiency

 Datacenter

 Cloud

 Hybrid

 Platform

 Database

 Middleware

 Storage & Backup

 Containers



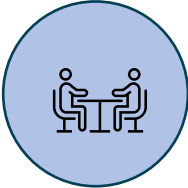
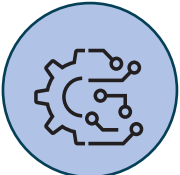
Mphasis Cloud and Datacenter Consultancy & Engineering capabilities - Generic



Service Portfolio

Tool stack

Customized and Scalable Model
Domain Expertise

 Strategic Guidance / Professional Advisory InsightsStrategyResults	Assess Public/Hybrid Cloud adoption requirements	Hybrid Cloud Managed Services	Well Architected Framework Review	TCO Comparison/Cost Analysis
	Comprehensive Datacenter/Cloud Migration/merger evaluations and recommendations	Evaluate the existing infrastructure and identify areas of improvement	Assess the current environment according to best practices	CapEx/OpEx and ROI Analysis
	Develop Migration Strategy and estimate TCO	Hybrid-Cloud readiness assessment	Recommendations Based on Policies and Guidelines	Cost Optimization Assessment
 Roll out & Divestiture (M&A) TransformAccelerateModernize	High level deployment Architecture and Proof of Concept (POC)	Risk assessment and recommendations	Compliance and Patch Management Advisory	Comprehensive Recommendations for Cloud Workload Optimization
	Migration & Merger, Carveout	Greenfield/Brownfield Setup	Business Continuity and Disaster Recovery(BCDR)	Modernization
	Colo DC and Hybrid Cloud and Edge compute hosting enablement through Partners	Set up foundational infrastructure, governance, security controls, and IAM	Design for safeguarding from Failure : Technology & Process	Re-platforming from IAAS to Cloud-Native PAAS Services
	Phased Migration of Compute, DB & Storage resources utilizing Agile Project Management and Mphasis IPs/Frameworks/Accelerators & Migration helper Tools	Align non-compliant use cases with Well-Architected Framework principles	Regional, Zonal & Colo-DC based Resiliency and HA for compute and Data	Engineer IAC and Config Management and Self service through DevSecOPS
		Setup Tools for Platforms Management, Observability, SRE, and FinOPS	BCM & Disaster Recovery Engineering	Transforming applications into Microservices using Docker and Containers





Assess



Mobilize: Cloud Migration waves



Operations & Optimization

Composable Cloud Migration & Transformation Framework

Migration/Transformation Drivers

- Legacy IT Infrastructure
- Regulatory Requirements (DR / HIPPA)
- On-Prem Virtualization License Cost reduction (VMWare Exit)
- M&A and Carve-Out
- Fully-Utilized Space; Out of Capacity
- Scale out Multi Region or Multi-Cloud due to DR or Compliance Needs eg: DORA
- Monolith to Microservices
- Edge and Hybrid Cloud Strategy



Discovery & Analysis

- Auto Capture (Cloud Native or 3rd Party)
- Agent based for Physical Servers
- Agentless for VMs
- MPA – Migration Planning & Assessment
- ADS – Application Discovery Services

AWS Migration Hub, Azure Migrate, Google Cloud Migration Center, Corent, Cloudamize

Portfolio Assessment

Enterprise Architecture Tools – Business capability Review

Automated Dispositions based on Tools recommendations - CloudNavigator

Expert recommendation on Re-Platform and Re-Architect possibilities for Application landscape

Deep Insights

Migration Factory

- IAC based Landing Zone
- App Migration through deployment pipelines
- Data Migration
- **Migration Waves**

Project Governance : People Process Alignment
Agile Project Management & Governance

- Set migration goals & KPIs
- Process & Productivity Tracking
- Drift warning
- Dashboards

Reusable IAC blueprints for various Architecture types and tribes

Terraform templates for quick deployment of resources across environments and regions

Platform Migration

Governance

Infra Lifecycle Management

Next-Gen OPS Automation

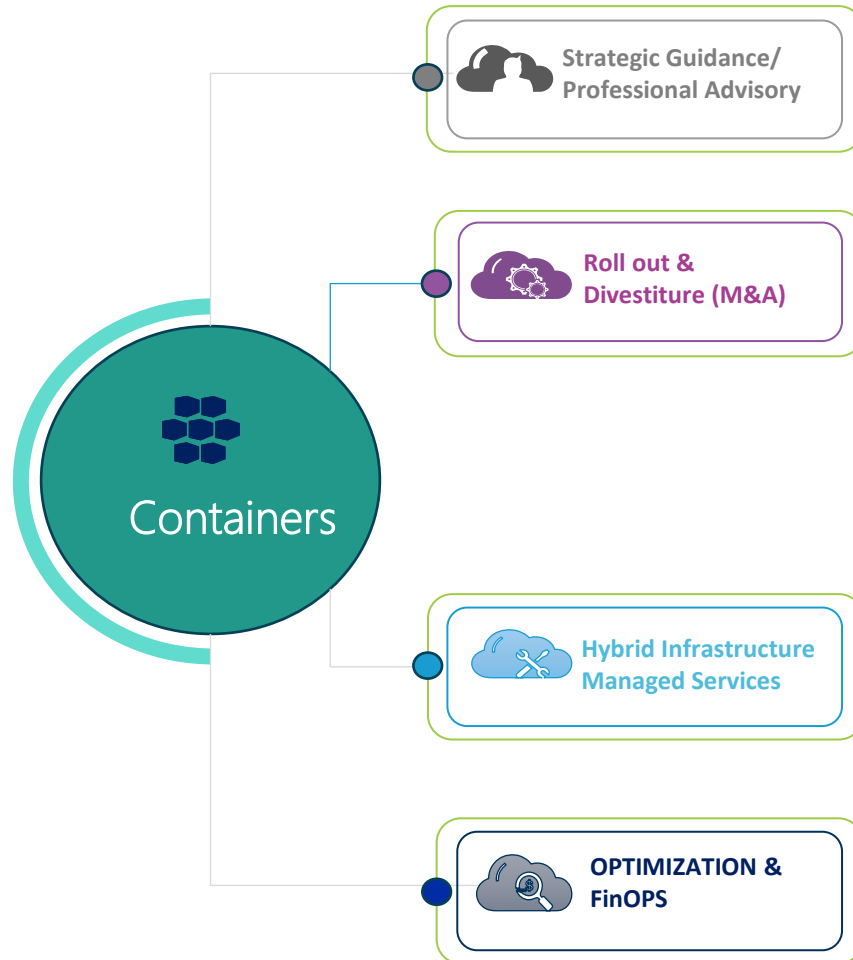
- Patch Automation
- Automated Security Vulnerability remediation
- Automated Issue Remediation
- FinOPS
- Self Service and IDP
- AI-ML Adoption

Configuration Management through Tools like Ansible, Puppet, Chef etc..

AI-ML Implementation through Mphasis.ai

Day 1 & Day 2 - Dedicated CloudOps and FinOPS governance





Detailed Offerings

Installation and Configuration:

- Provision and set up Kubernetes clusters on-premises and in the cloud.
- Deploy managed Kubernetes services like Amazon EKS, Google GKE, or Azure AKS.
- Configure cluster networking, storage integration, and security settings.

Migration (Homogeneous and Heterogeneous):

- Plan and execute container migrations across on-premises and cloud environments.
- Migrate workloads between self-managed and managed Kubernetes clusters.

Managed Operations:

- Implement backup, recovery, and disaster recovery (DR)
- Monitor and tune Kubernetes cluster performance.
- Manage and optimize Kubernetes cluster capacity.
- Perform patch management for IaaS Kubernetes clusters and worker nodes.
- Incident Response
- Manage vendor relationships for marketplace appliances.

Performance/Cost/Capacity Optimization:

- Continuously monitor Kubernetes cluster performance and adjust resources.
- Use automation tools to streamline Kubernetes management.
- Optimize resource allocation and scheduling in Kubernetes environments.

Technologies Coverage



Tools landscape and Top Alliances



INPUTS



Infrastructure Inventory

In Scope
apps &
Mapping

Design &
planning
workshops

Cloud

License

LZ via
laC

Approvals

Mig Team

Tools and
Access ability

ACTIVITIES

Discovery &
Assessment

Design & Planning

Infrastructure
Readiness

Migration

Decommission

- Discovery of Infrastructure elements including Servers, network, Backup, Storage components, Tools, etc.
- Application mapping & Dependency Analysis
- Risk & Gap Analysis

- High/Low Level Design
- Architectural Design documentations
- Wave Group Planning
- Data Center Design
- Migration & Validation Checklist
- Risk Mitigation Planning

- Cloud subscription procurement guidance & readiness
- Landing zone deployment using laC - Identity, Backup, Observability, Disaster recovery, Security elements, management services and Core Infrastructure services

- Pre-Migration Activities
- VM Migrations based on the Wave group planning
- Perform Rehost (lift & Shift) of the workloads
- Post Migration Activities
- Enablement of HA & DR
- Testing & Validation

- Asset Identification for decommission
- Validation of Migration
- Secure Erase of the Data
- Disposal of asset
- CMDB updation

OUTCOME

- Comprehensive Inventory Report
- Dependency Matrix for Apps
- Migration Strategy inputs
- Identified Risks & Gaps
- Capacity Planning

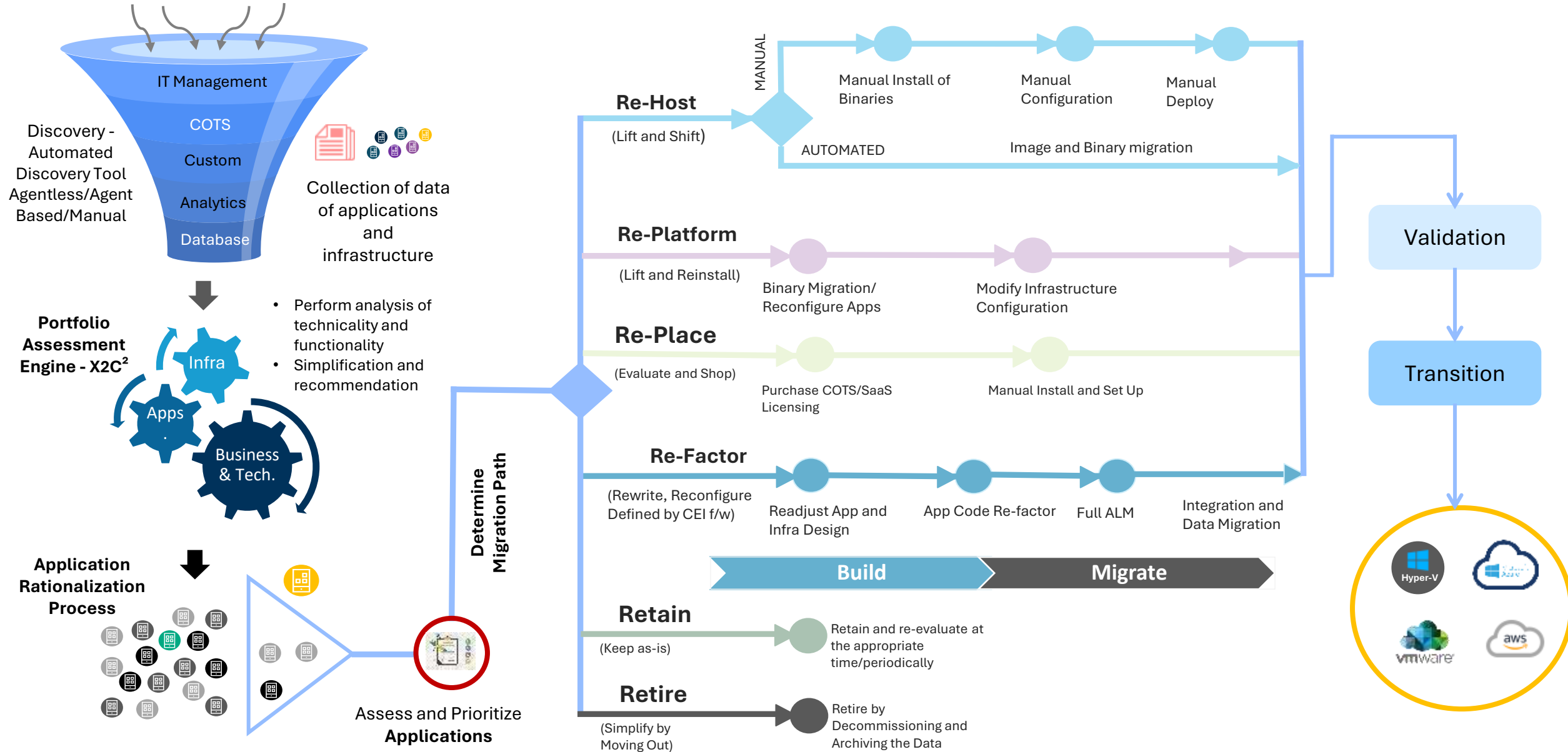
- Detailed Migration Plan
- Tools Selection for Migration
- Timeline based Wave Mapping
- Compliance & Security policies documented

- Infrastructure Readiness for Migration
- Secure and Operational N/W environment
- Security hardening enablement

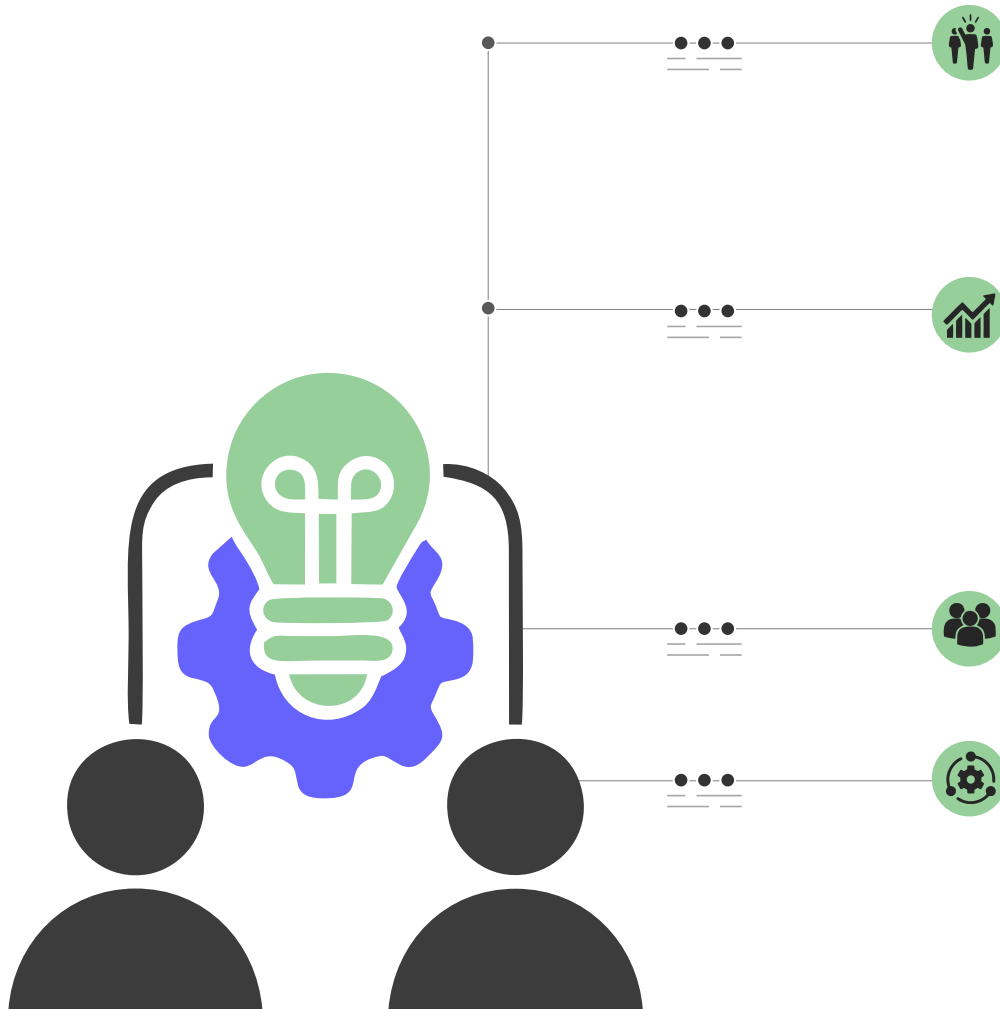
- Migration Success
- Validated & documented environment
- Smooth Handover to BAU

- Accurate CMDB
- Availability of freed-up licenses
- Industry standard security & compliance adherence
- Successful exit of old DC





Skill and Knowledge Transfer at Mphasis



With our experience and quality engineering thought leadership, Mphasis will work with buyers to establish a fit-for-future knowledge transfer plan powered by Cognitive solutions. It will bring people, process, technology, and innovation to deliver mature testing services with continuous improvement and build in-house capability to fulfil the fit-for-future roadmap.

We have designed and developed a web-based learning experience system called “TalentNext” as a one-stop destination for Learning and Development initiatives. Curated and graded courses aligned with immediate and upcoming business requirements are hosted on TalentNext and available to all learners. The platform also includes skill training development for candidates from disadvantaged groups. To date, 30k+ learners have been onboarded on TalentNext.

Mphasis employs a structured, role-based knowledge transfer (KT) framework to ensure seamless transition and minimal disruption to business operations.

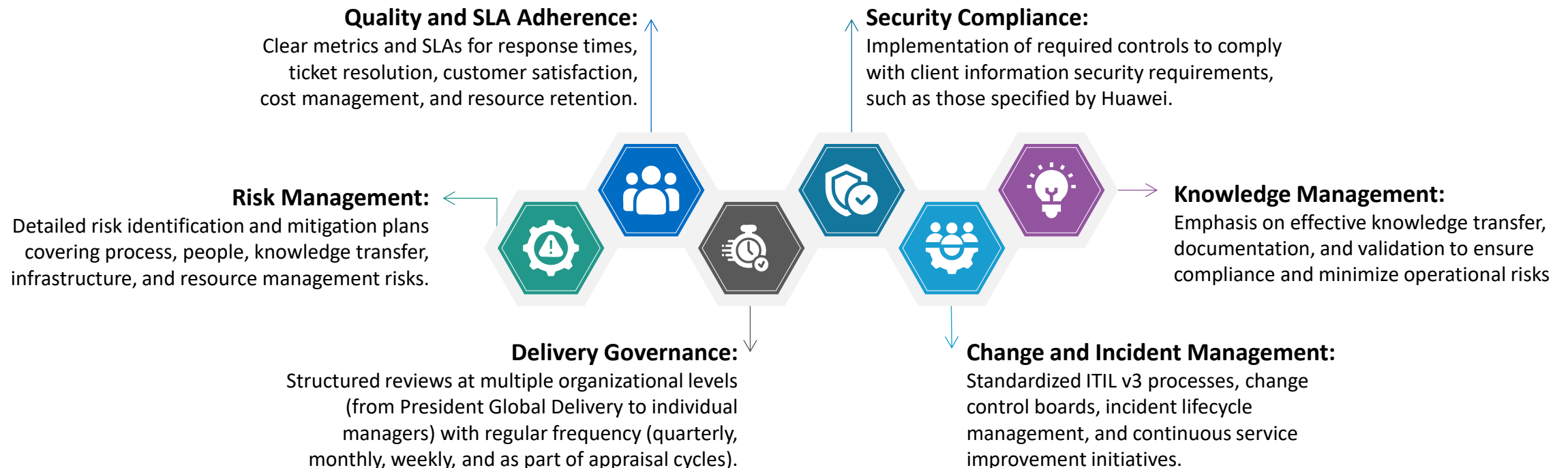
The process is supported by dedicated transition management teams, digital dashboards, and proprietary AI-based tools for knowledge mining and assessment.



Mphasis Compliance Management Practices

Mphasis has industry-wide experience in developing technology solutions, developing safety-critical applications, streamlining IT infrastructure, and is accredited with ISO 9001, Cyber Essentials, CMMI Level 5. Mphasis has a wide experience working with different government bodies in the UK. Our work with the Public Sector organisations helps them align with best practices and use Government Digital Service Standards to deliver Digital Services and follow NCSC Cloud Security Principles in all our cloud engagements.

Mphasis demonstrates robust compliance and governance practices through:



Mphasis Compliance Management Practices (Continued)



Certifications Supporting Compliance

ISO 9001:2015 – Quality Management Systems

ISO/IEC 27001:2013 – Information Security Management

ISO 14001:2015 – Environmental Management Systems

ISO 45001:2018 – Occupational Health & Safety

ISO/IEC 20000-1:2018 – IT Service Management



Further Information: For more information about our G-Cloud services, please contact our Public Sector Team at [mpphasisukps@mpphasis.com](mailto:mphasisukps@mpphasis.com)

