Infosys
Navigate your next

Infosys cobalt

Accelerating the Enterprise Cloud Journey
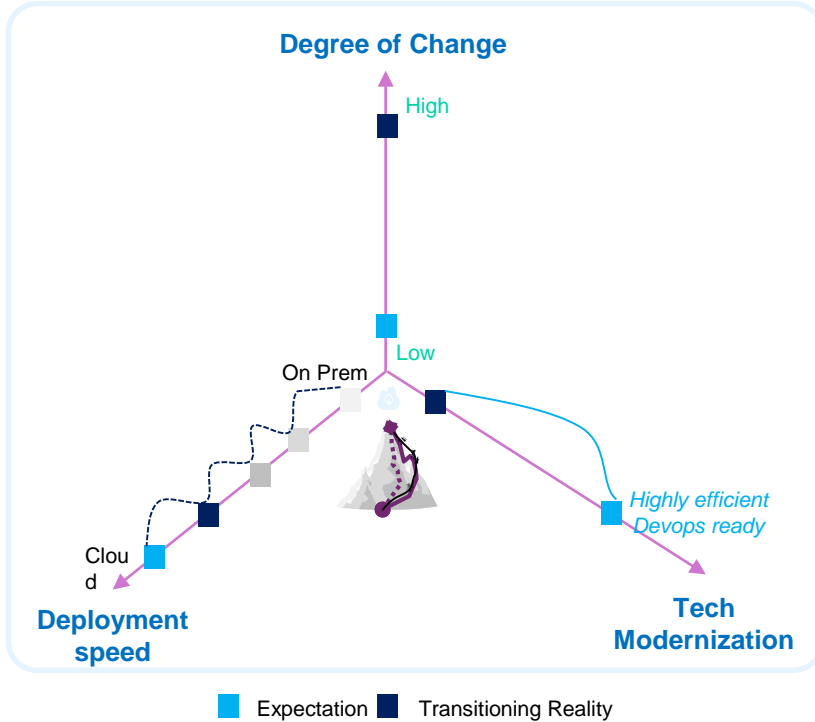
Introducing…

Accelerating the Enterprise Cloud Journey.

INFOSYS CLOUD QUALITY ASSURANCE AND TRANSFORMATION (iCQAT)

Azure CAF aligned QA assessment framework for assuring risk free migration and modernisation journey through Azure Cloud implementation

The Cloud transformation journey is far from ideal

Degree of Change

High

Low

On Prem

Highly efficient Devops ready

Cloud

Deployment speed

Tech Modernization

■ Expectation ■ Transitioning Reality

80% — Customers believe cloud migration is lift shift of legacy to cloud platforms and it is largely "regression testing" and highly scalable

74% — IHS Markit Survey found that 74% of companies have moved a cloud-based app back on premises after they failed to see anticipated returns

80% — Projects fail due to wrong and untested workload migration patterns and lack of understanding of landscape complexity
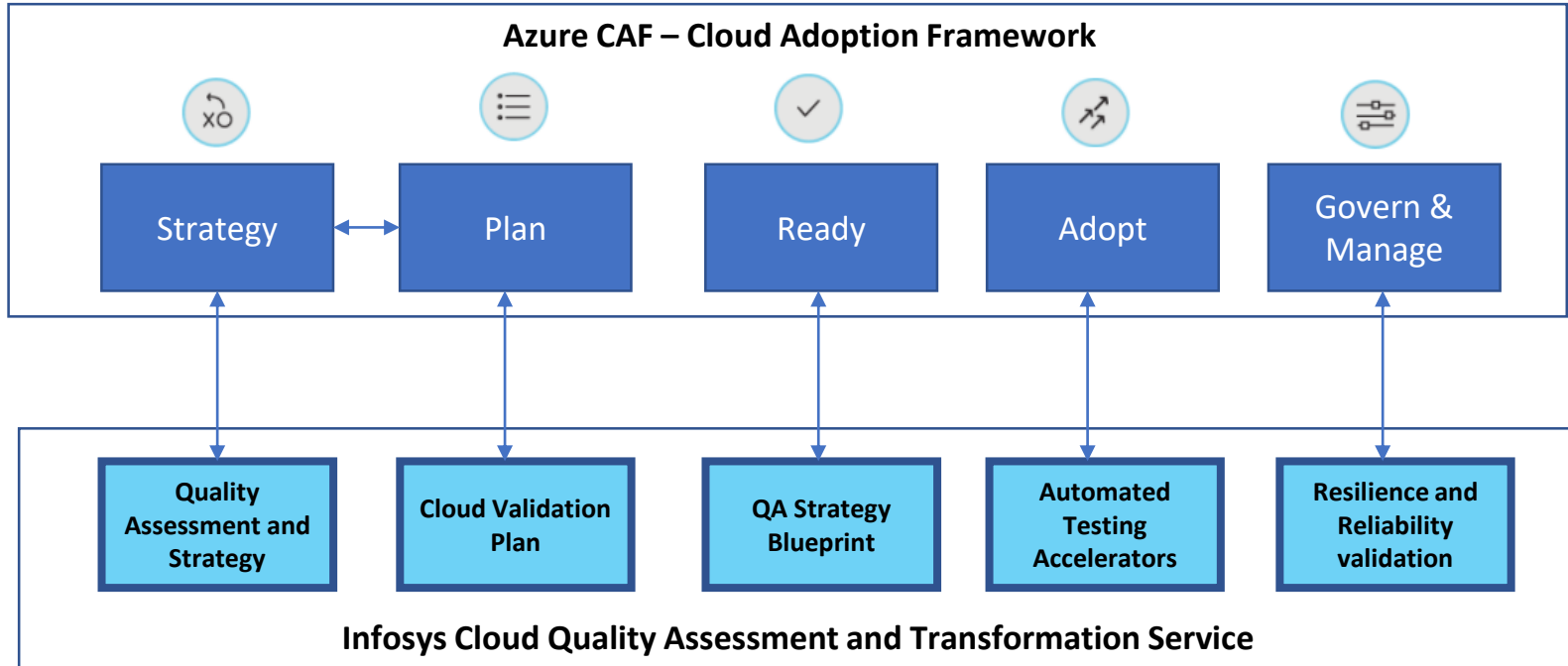
75% — Delayed timeline due to inadequate testing. In GitLabs 2019 Developer Survey, 50% quoted testing delays as is the biggest reason why development is delayed

Based on industry reports and Infosys experience

* Industry market analysis

Infosys
cobalt

How can Infosys help with mitigating risks and forward planning on QA?

Infosys Cloud Quality Assessment and Transformation (ICQAT) is aligned to the **Azure Cloud Adoption Framework (CAF)** and helps assess risks early and mitigate them with a well-planned validation strategy that is comprehensive across **functional and non-functional requirements.**

Azure CAF – Cloud Adoption Framework

Strategy	↔	Plan	Ready	Adopt	Govern & Manage

Quality Assessment and Strategy	Cloud Validation Plan	QA Strategy Blueprint	Automated Testing Accelerators	Resilience and Reliability validation

Infosys Cloud Quality Assessment and Transformation Service

Infosys cobalt

Infosys Cloud Quality Assessment and Transformation (ICQAT) – Implementation Plan
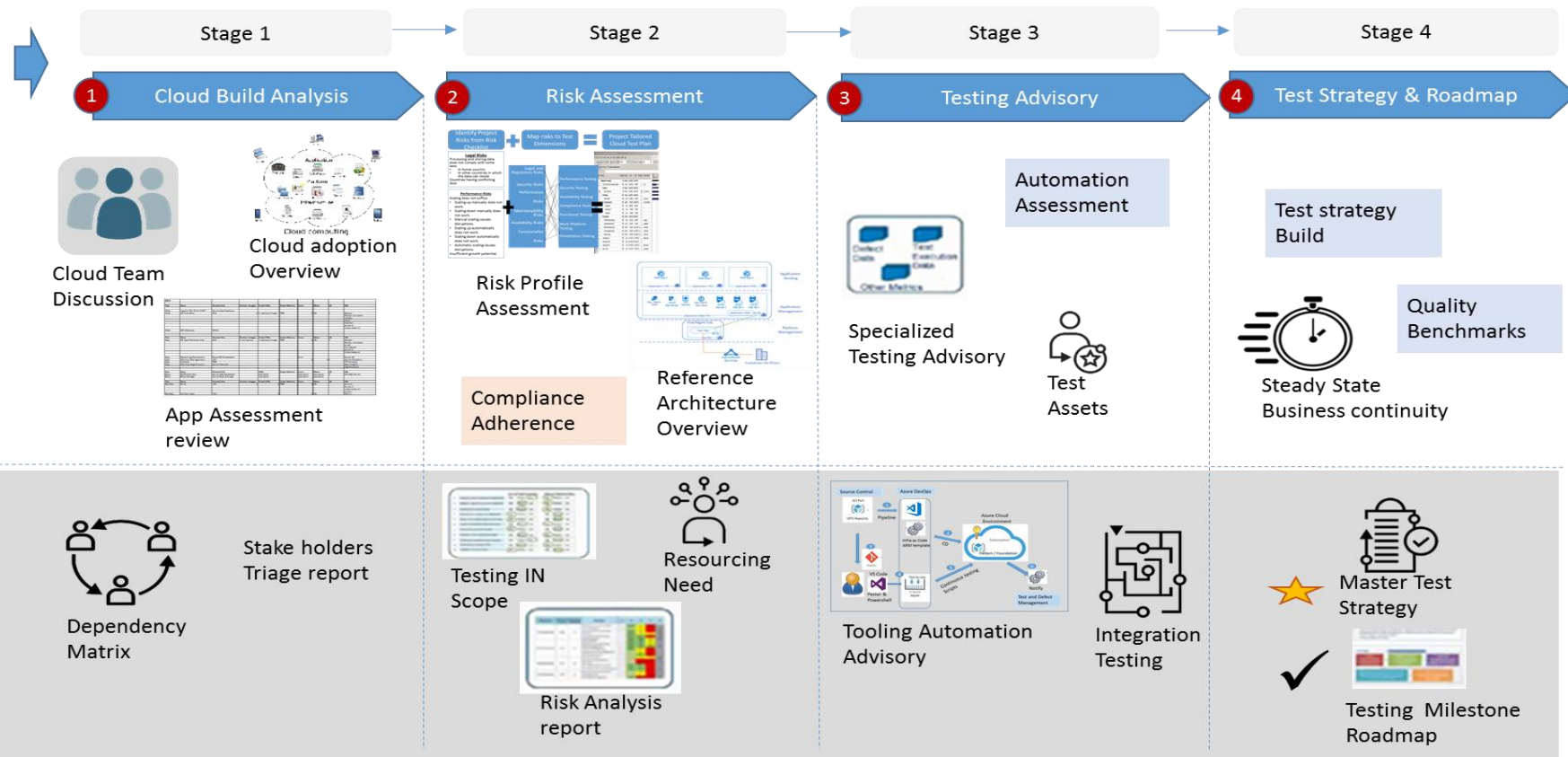
ICQAT Framework – Focus Areas and deliverables
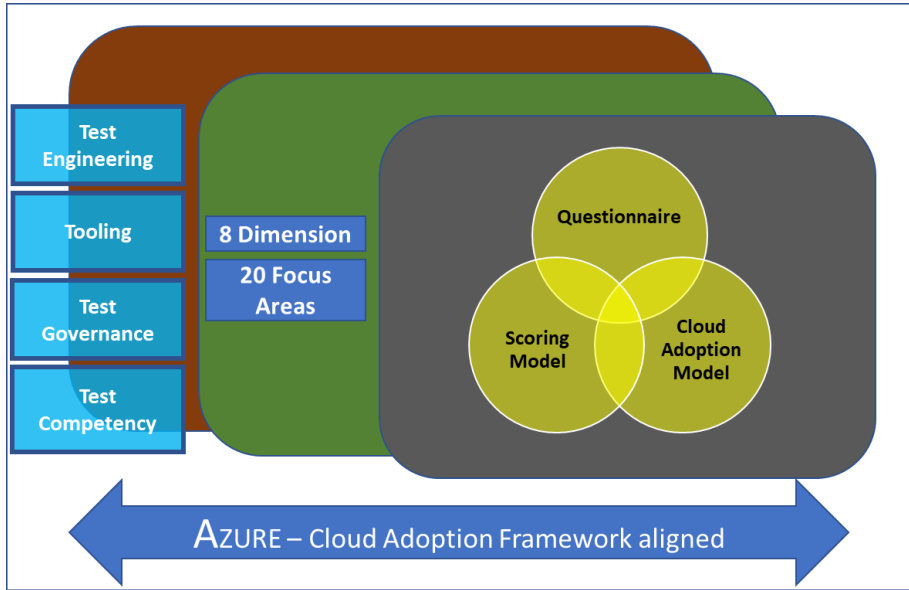
- ICQAT framework follows an approach that measures **QA Maturity across 8 different dimensions and 20 focus areas**

- ICQAT builds on **Infosys EQATM** that is a [patented model](#) for Enterprise Quality Assurance and Transformation (Patent reference # US 8589199 B2).

- **Assessment duration is typically 8 weeks** and a comprehensive test strategy is delivered at the end of the assessment that gives recommendations and guidance on validation approach, methodology and risk mitigation techniques and best practices.

Suggestion on Azure Native tooling as well as integration into Azure DevOps so there is a continuous validation pipeline in steady state where there would be an opportunity to leverage tools like Infosys Cloud Data Validation Solution from the Marketplace offering we have.

Infosys
cobalt

ICQAT Value Proposition - Benefits and Value Delivered

ICQAT KEY BENEFITS

ASSURE

- **100% Test Coverage Assurance** *with a clear test plan and strategy covering functional, data, platform and non-functional (security and performance) validations*

ALIGN

- **Right Fit Test Methodology** *with recommendation on industry best practices for ensuring test maturity elevation and driven through a shift left approach*

ACCELERATE

- **At least 40% faster** *test cycles through Machine first approach with right fitment on tooling for automation on cloud and marketplace solutions*

Assured Coverage

With a granular focus on validation that covers the checks on the application and data being moved across to cloud through to ensure 100% test coverage

100% Coverage

Align on Methodology

With Recommendations from assessment that provides a view on industry best practices for test maturity elevation and validation process to be followed

Zero Failures

Drive Agility

With Plug and Play Automation Frameworks available on Azure Marketplace to enable testing in an automated way cutting across front end as well as backend interfaces

>40% Faster

Infosys cobalt

Infosys Azure Cloud Native Solutions

Infosys Cloud Data Validation Solution

Cloud native automated data validation solution for Azure data migration
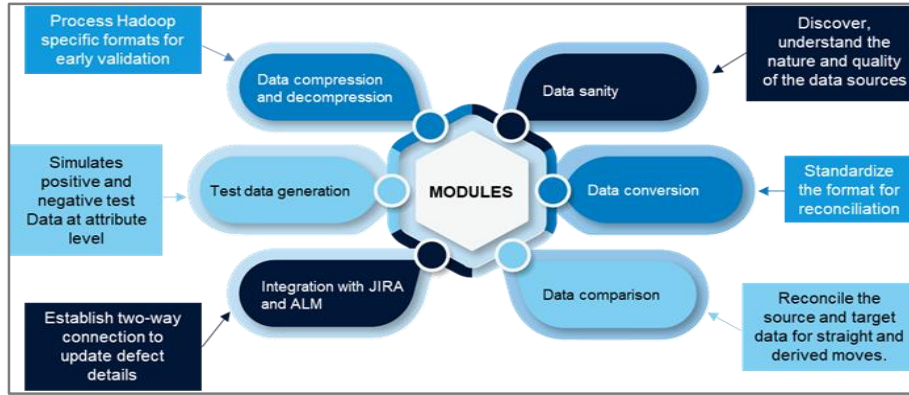
Infosys Cloud Data Validation Solution has got Azure "Preferred Solution" badge

Infosys Cloud Digital Validation Suite

For cloud platform and infrastructure validation
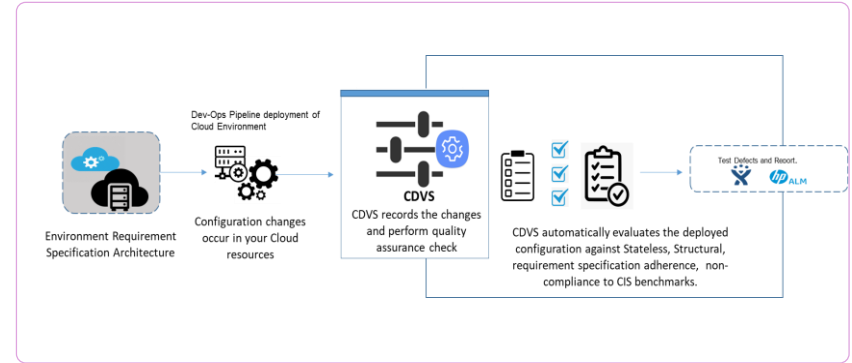
Infosys Cloud Digital Validation Suite is plug and play with cloud platforms and can be integrated with DevOps pipeline

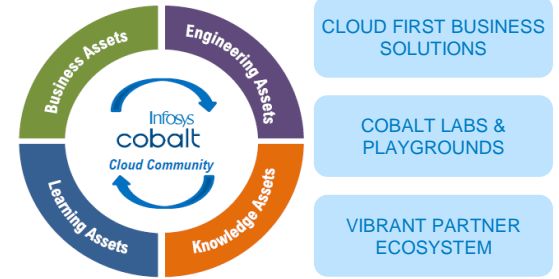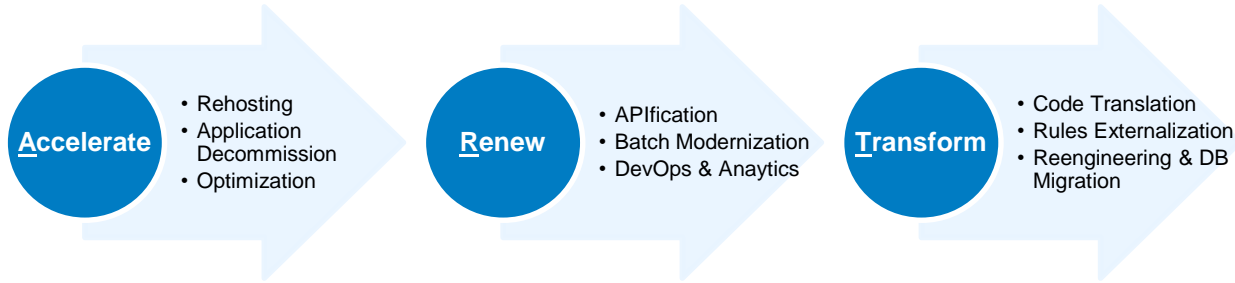| Platform Test Coverage	Key Accelerators & Benefits
• Platform Readiness Validation • Cloud Server build validation • Cloud Desired State configuration checks • Cloud Shared service Patterns Integration • Cloud Network Isolation test	• **One – Click** Cloud Validation • **Maintenance and Manageability** of Cloud Environment • **Improve the Release time** of patterns in BAU phase • Turn around time **reduced to Minutes from Hours Multi – Cloud Enabled** • **Cost Saving –** In terms Persons hours

Infosys cobalt

Infosys Cobalt Cloud Store – Services, Solution and Platform

OUR METHODOLOGY

Accelerate
- Rehosting
- Application Decommission
- Optimization

Renew
- APIfication
- Batch Modernization
- DevOps & Anaytics

Transform
- Code Translation
- Rules Externalization
- Reengineering & DB Migration

Infosys cobalt — Cloud Community
- Business Assets
- Engineering Assets
- Knowledge Assets
- Learning Assets

CLOUD FIRST BUSINESS SOLUTIONS

COBALT LABS & PLAYGROUNDS

VIBRANT PARTNER ECOSYSTEM

WHERE HAVE WE DONE THIS?

Major Financial Provider

- Setup Azure platform covering design, build, integration, migration and managed service.
- Moved 500+ application workload analysis spread across 1000+ servers to Prod and Non-prod
- Infosys is providing a centralized team to manage the Cloud Ecosystem across multiple vendors

Multinational Investment Bank & Financial Services Company

- Infosys built the new digital interaction platform intended to manage the custom portfolio for retail customers on Azure Cloud.
- Infosys built the platform using Domain Driven Design using Azure Native Services.
- Infosys established the hardened ecosystem, security & network perimeter, including data stores, all automated using IaC and Azure DevOps

OUR ACCELERATORS

Microsoft Preferred Solutions

Infosys Azure Native Development Platform

Infosys Data Migration Platform

Infosys Cloud Validation Platform

Infosys Live Enterprise Application Platform *

Microsoft Alliance

Certificate of Excellence
Azure Platform Partner of the Year
is Presented to
Infosys

Certificate of Excellence
SI & Consulting Azure Growth Partner of the Year
is Presented to
Infosys

2019 Global SI Partner of Year Award from Microsoft

Partner — Customer
18+ Years 360° Relationship
Vendor

Infosys cobalt

Assuring Risk Free Cloud Transformation Journey on Azure for a leading bank in APAC

PROGRAM OBJECTIVES

- **Move to Hybrid cloud infrastructure:** Modernized application using full potential of on-premise and multi-cloud environments

- **Establish low touch service consumption:** Fully automated and self-service consumption of applications and workloads for different lines of business

INFOSYS SOLUTION

- **Zero Touch Framework:** Established an end-to-end Cloud assurance framework with a first-of-its-kind Devops-integrated Infrastructure as Code (IaC) Azure platform-readiness validation and Azure Data lake validation

- **Pipeline Validation:** Implemented automated coding for cloud pipeline validation

- **Open Source Test Automation:** using Shell and PowerShell for automated validation of provisioning cycle with 47% improvement in test execution

AGILITY	QUALITY	EFFICACY	REUSE
37%	**ZERO**	**40%**	**70%**
Faster resource provisioning & automatic deployment of software	Critical defects in production through the migration journey	Observed increase in customer consumption of the platform	Increase in productivity through reuse of regression automation

Infosys cobalt

Few of our global engagements for Azure Cloud Enterprise Platform Migration Validation

	An American financial services company	**An European electric utility company**	**APAC Bank & financial services provider**
Objectives	• Part of workload migration program, server moving to Azure • Objective was increased flexibility, better collaboration, greater integration and lower cost	• Oracle to Azure data warehouse migration • Reduce dependency on existing data warehouse which will reach maximum storage by 2021	• Migration from Remedy to ServiceNow on Azure cloud
Actions	• 9-point Cloud infra validation framework • Automation scripts for workload deployment readiness testing	• Azure platform readiness validation and data validation • Reconciling strategy between heterogeneous platforms • Scala on databrick validation framework	• Capacity assessment and performance validation • Configuration Tuning
Outcomes	• Fit-for-purpose infrastructure with optimum usage and reduced overhead cost • 40% faster provisioning of environment	• 90% faster execution over traditional solutions • Cloud native solution to deliver secure product and faster time to market	• 70% effort savings by API performance test at key integration points • End-to-end response time improved from 40 min to less than 60 seconds

Infosys
cobalt

THANK YOU

Infosys
cobalt