



# Azure Cloud Migration

Taking the right steps within the Cloud Journey

Q2-2022

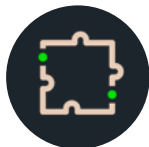
Suraj Raghunath

# Why do we **need** to **talk** **about cloud?**

**Cloud** has shifted from being a technology style of computing to becoming **the foundation for business innovation.**



Speed & Service  
Continuity



Scalability



Agile Cost  
Structures



Flexibility



Resilience &  
Security

*“There is no business strategy  
without a cloud strategy”*  
Gartner 2021

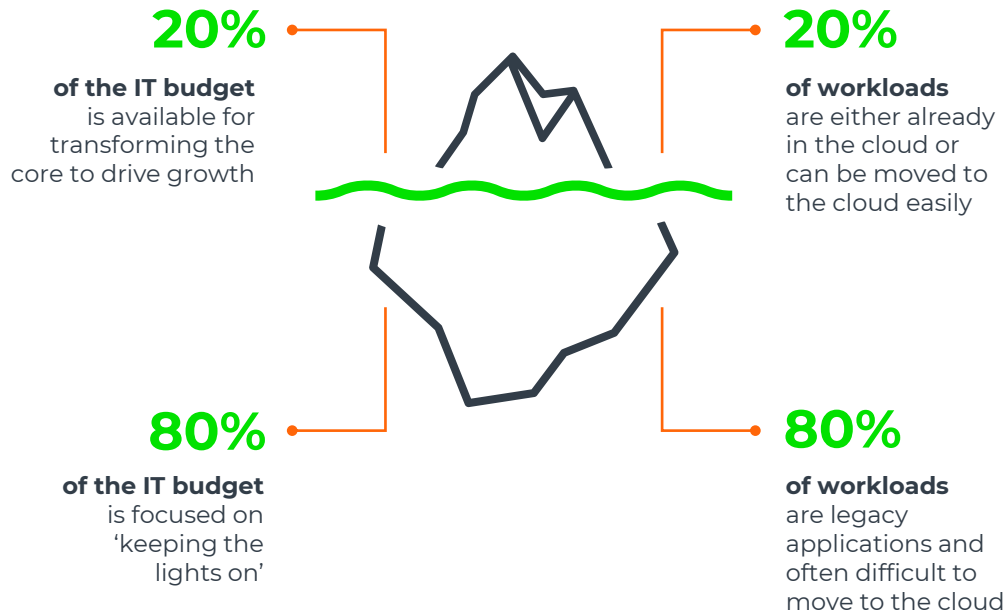
*“**63%** achieved growth, efficiency, innovation and  
other CEO priorities as an outcome of adopting cloud”*  
Gartner, 2021

# So, **why** isn't everyone **already in the cloud?**

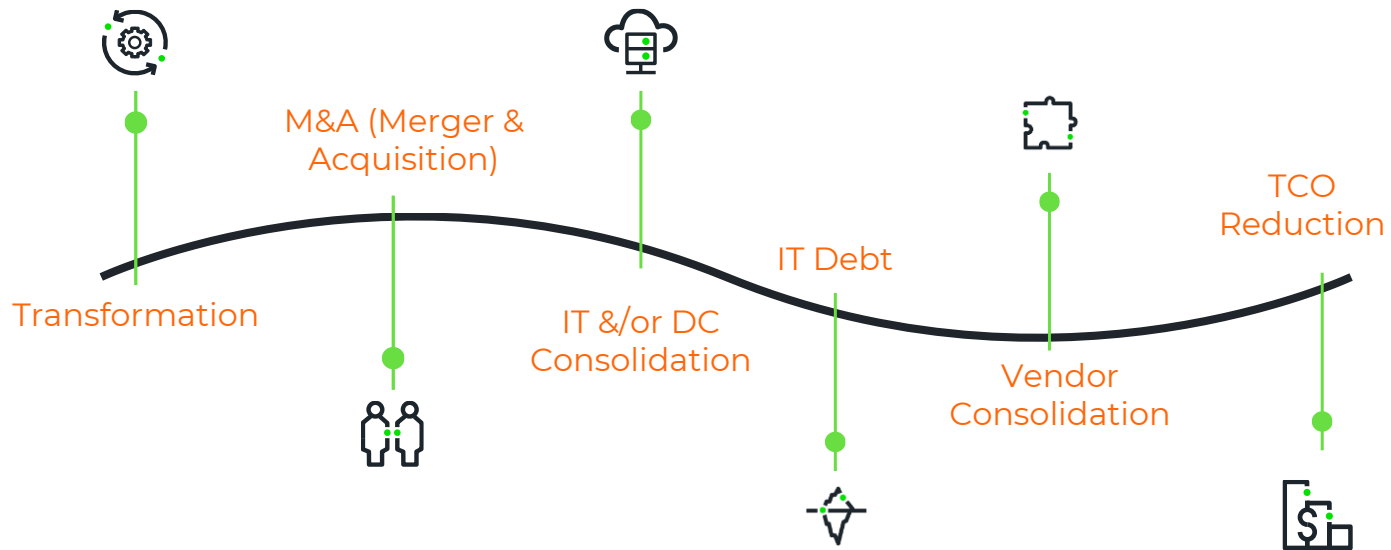
## Dealing with the 80%

*"The challenge for IT leaders is to get their budget from 80% 'keeping the lights on' to 60% or less, so they can use that money in new ways to drive growth"*

Gartner



# Then, **what** are the **business drivers** for a **Cloud Migration**?



# What business benefits can be **realized** by Cloud Migration?



## Commercial

- Reduced TCO
- Control over spend
- Pay as you consume
- Visibility into forecast
- Reduced risk of budget overflow scenarios
- Increased ROI with optimized spend on repeatable tasks

## Technical

- Increased Infrastructure availability
- Increased Application availability
- Workload usage & management Flexibility
- Innovate at speed and stay current
- Capacity Constraints eliminated

## Business

- Speed to Market
- Improved User Experience
- Business Transformation
- Organizational Agility
- Transparent relationship between Business & IT
- Reduced complexity in consuming service

# Getronics Cloud Framework

## getconsult

- Current state Assessment
- Application Categorization
- Application mapping and dependency

## getmigrate

- Migration factory
- Application Migrations
- Application Transformation

## getdevelop

- Native Application development
- Continuously available business platforms
- Multi-cloud serverless architecture
- SaaS implementation and integration

## gettransform

- Continues Integration
- Automation through AI / ML
- Journey towards No Ops

Advise



Enable



Operate



Develop



Evolve



Secure



## getconsult

- Readiness assessment
- Roadmap and strategy
- Architecture audit
- Change management
- Security roadmap
- Migration approach

## getmigrate

- Migration plans and timelines
- Cloud environment design, sizing, and build

## getmanage

- Cloud sustenance
- Cloud Operations
- Financial management
- Proactive Monitoring

## getsecure

- Cloud governance
- Cloud Security Services
- Cloud Compliance
- Policy adherences

getronics

getmigrate

# Overview

Embrace First





getmigrate

## Vision

We focus on bringing Cloud Strategy to life by enabling our clients to understand and correlate the translation of **Cloud Strategy into tangible** outcomes within the **Cloud Journey**, by utilizing our expertise in multi-cloud technologies, our alliances with hyperscalers and tooling providers, thus enabling seamless **“True Cloud Adoption”, one client at a time.**

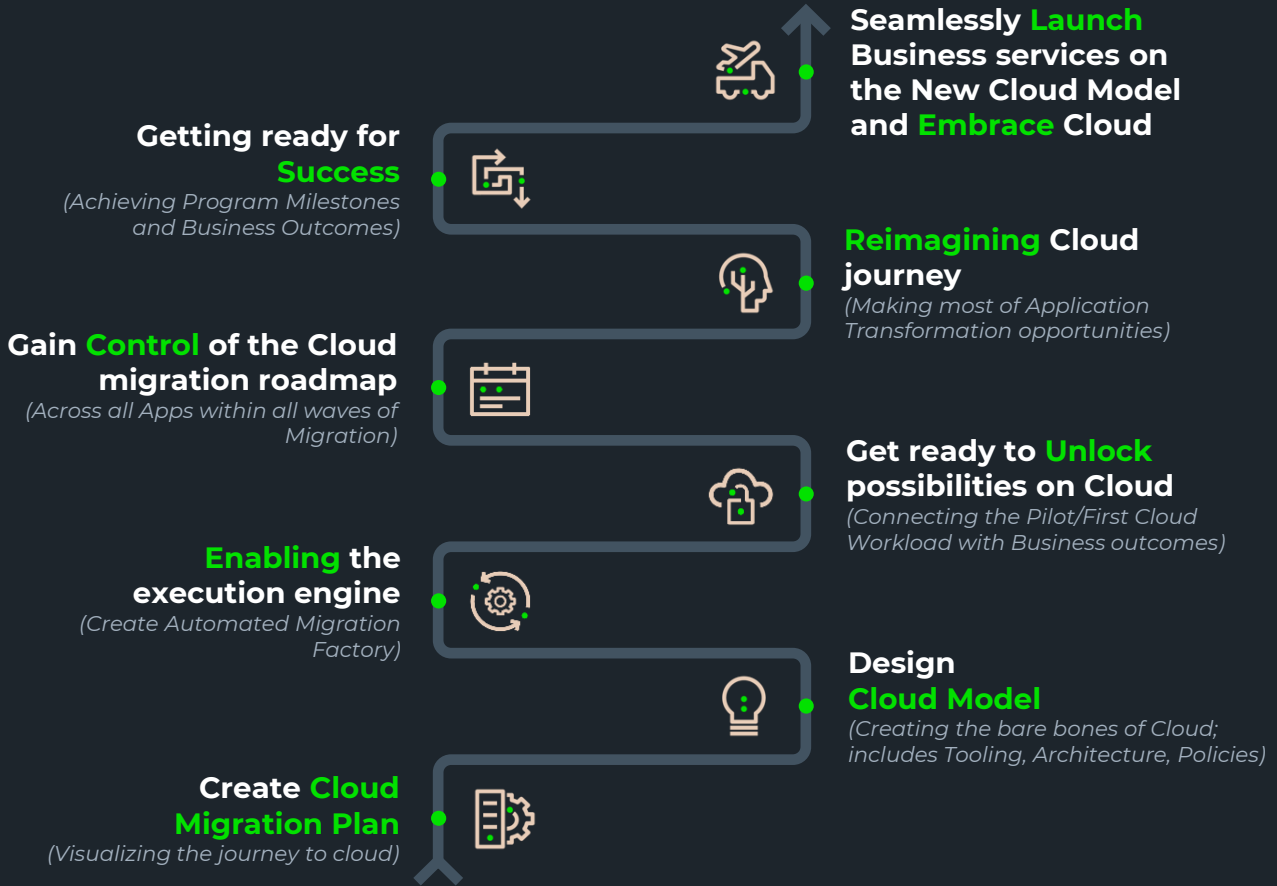
It is true that “Cloud Migration is about moving to cloud, but it isn’t about moving one’s problems in current state onto Cloud or going to Cloud like everyone else”; it is all about creating the appropriate **“Adoption Plan”** that **best fits the needs of a customer** and ensure their business can **fully understand and reap the benefits of the Migration to Cloud”**

Getronics





# Value Summary



**Getting ready for Success**  
*(Achieving Program Milestones and Business Outcomes)*

**Gain Control of the Cloud migration roadmap**  
*(Across all Apps within all waves of Migration)*

**Enabling the execution engine**  
*(Create Automated Migration Factory)*

**Create Cloud Migration Plan**  
*(Visualizing the journey to cloud)*

**Seamlessly Launch Business services on the New Cloud Model and Embrace Cloud**

**Reimagining Cloud journey**  
*(Making most of Application Transformation opportunities)*

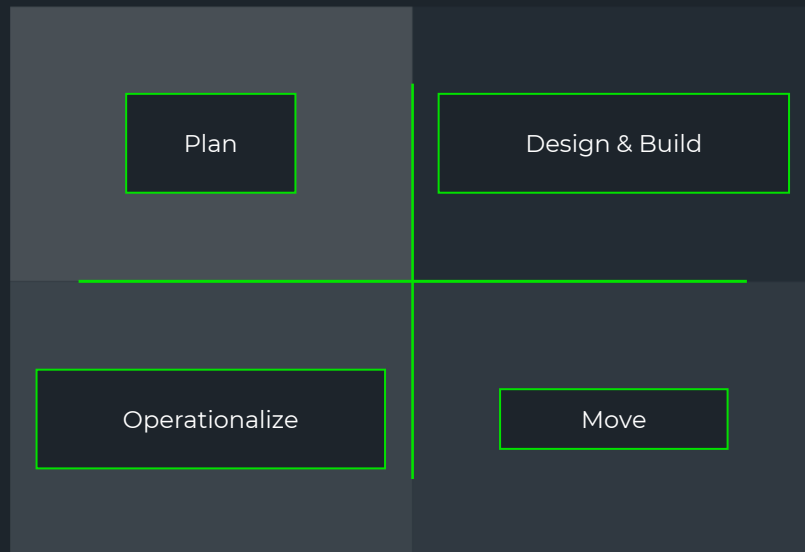
**Get ready to Unlock possibilities on Cloud**  
*(Connecting the Pilot/First Cloud Workload with Business outcomes)*

**Design Cloud Model**  
*(Creating the bare bones of Cloud; includes Tooling, Architecture, Policies)*

## Our Framework

We have adopted a **Framework that has 4 phases and addresses every aspect** of Cloud Migration and **simplifies the decision making process** while moving to cloud.

The Focus clearly is on providing a **structure through our 4 phases or approach** and **detailed insights** through actions & deliverables within these phases.





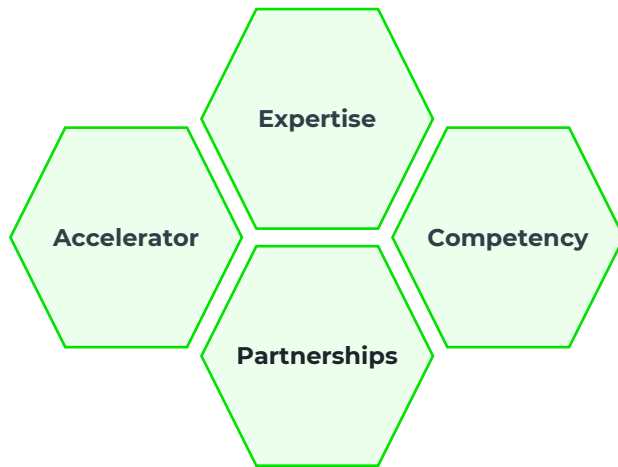
# What Enables us to deliver, always...

## Certified Cloud Professionals

- Azure Solutions Architect Expert
- Azure Administrator Associate
- Azure Developer Associate
- Azure DevOps Engineer
- Azure Fundamentals

## Azure Migrate

Native, Intelligent Agentless Discovery, Assessment, and Migration Platform



Global Cloud Partnership enables us to deliver exclusive cloud services seamlessly across the globe

Experience of successfully fulfilling our customer objectives consistently



Gold Partner  
Across 5  
Competencies

# Our Approach

To deliver seamless migration and achieve maximum Cloud Adoption

## 1. Plan

- Assessment/Advisory Report Study
- Scoping the program
- Stakeholder Alignment
- Create Migration Checklist
- Obtain SMEs' / Stakeholder sign-off
- Make Business Considerations, outline Migration Prerequisites
- Create Migration Plan including Batches and exit plan
- Create RAID Log



## 4. Operationalize

- Pre-Defined Checklist
- Change & Risk Management
- Planning Considerations
- Business dependencies
- Clarity on Milestones
- Clarity on Metrics
- POC/Pilot Validation
- Foundation Validation
- Migration Testing & Validation
- Handover "Operational" state to Ops

## 2. Design & Build

- Create Target Architecture & Design
- Build Cross-Functional Services
- Introduce and Enable Prerequisite Tooling, Policies etc.
- Target Infrastructure Setup
- Sign-Off the Foundation (Landing Zone)
- Enable adoption within business by delivering a Pilot

## 3. Move

- Baseline New Cloud Model as the way of life for future state
- Identify and perform updates to Migration tooling / scripting as needed to support the overall migration
- Align Migration Factory to technology led Migration batches/waves as per Plan defined
- Migrate workloads to Target Cloud Model based on the R-Strategy defined



# Plan

Embracing the New  
Way of life



# Plan

## The What

### What should be considered during Cloud Migration (Adoption)?

- **Execution:** R Strategy; Migration Wave/Batches schedule; Framework; Migration Plan; Build Checklists; Migration Considerations; Automation; Repeatability; R&R; Skill Categories; Expertise; Availability; Monitoring; Setup; Provisioning; Testing; Troubleshooting; Security;
- **Adoption:** Acceptance of the Cloud Way of Working; User Education; OCM; CCOE Enablement; POC Acceptance Criteria;
- **Measurement:** Speed of Migration of workloads; Accuracy & Operability of Workloads Migrated; KPI & Metrics Definition; Metrics tracking feasibility;



#### Cloud Model Info

*Through 2022, insufficient cloud IaaS skills will delay half of enterprise IT organizations' migration to the cloud by two years or more*

*Gartner Article*



#### Causes for migration failure

*Wrong emphasis*

*Wrong team*

*Gartner Survey Results*

# Plan – Migration Enablement – The How

How is our **Migration Model** enabled to guarantee **seamless Migration?**



## People

- Define precise R&R people executing the Migration
- Describe the Skill Categories
- Group the skills needed by Expertise
- Identify right skills for the duration of the Migration
- Allocate people with right skills from Day 1 of Migration



## Process

- Define Project Planning considerations and timelines
- Define Best Practice for Migration, based on previous experiences
- Define Migration workflow
- Enable Policy Management Lifecycle
- Integrate ITSM processes to manage migration scenarios
- Ensure relevant process documents, checklists and templates are available for performing Migration



## Technology

- Categorize type of tooling & Technology
- Ensure all Tooling is already onboarded & integrated
- Ensure the relevant templates, workflows, automation sequence and schedules are ready
- Orchestrate the usage of various tools



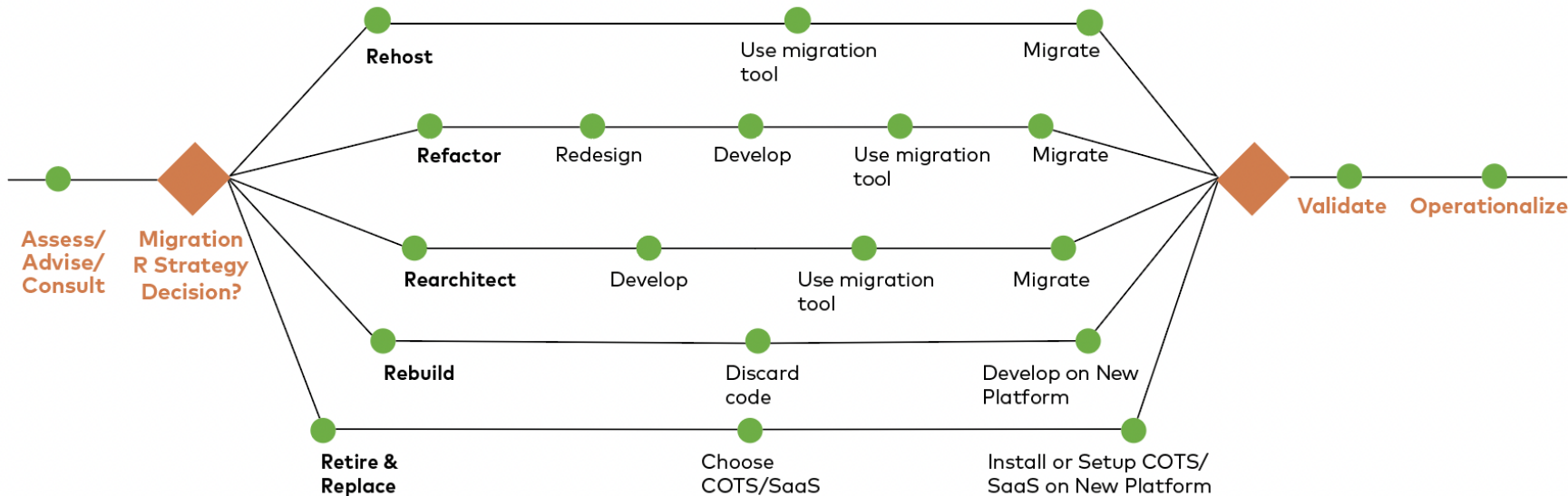
## Governance

- Define a Governance Framework that allows inclusion of new evaluation criteria during the course of the migration
- Embed checkpoints and gates
- Ensure there is a cadence mechanism to review the execution

# Adopt - Readyng ourselves to Embrace the Cloud way of working – The How

Choosing the strategy to follow, plays a key role in guaranteeing the appropriate Adoption - **The 5R's**

Gartner



\*Note: The 6<sup>th</sup> R – Retain hasn't been listed here intentionally as Retained application(s) won't migrate to cloud and the above representation focuses on the path to Cloud within a Migration





# Design & Build

Orchestrating the Cloud  
Adoption



## Design & Build

### The What

What is Foundation all about?

It is good to start by asking if we know what constitutes Foundation when we talk about Cloud.

### What to focus on?

- **Cross Functional Services:** Foundation definition; Target Architecture Design; Complexity; Cost; Risks; Platform Design & Build; Scalability; Technologies; Ease of Usage;
- **Infrastructure & Tools: Network;** Security; Backup & Restore, DR, AD, Anti-Virus, Data Size; Storage; Logs; Automation; Tooling types; Usage; Pilot & Overall Migration Infrastructure;
- **Policies (Guardrails):** Security; Ops; Cost;



### Cloud Success Stats

**45%** reduce complexity

**51%** increased availability

**58%** Simplified IT Management

*Forrester Survey Results*



### Causes for migration failure

*Rushed App assessments*

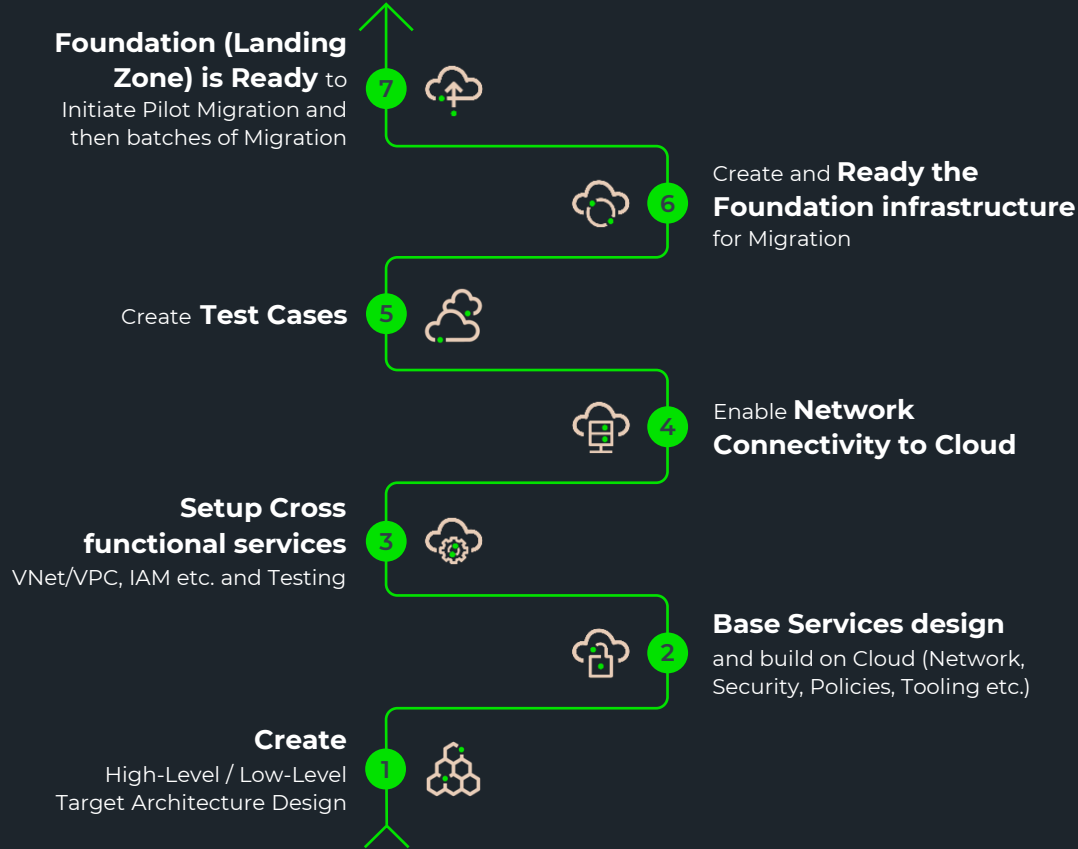
*Poor Landing zone design*

*Gartner Survey Results*

# Foundation First - The How

## Cloud Migration Effectiveness =

Foundation that is Secure, Cost-Effective, Scalable & Repeatable



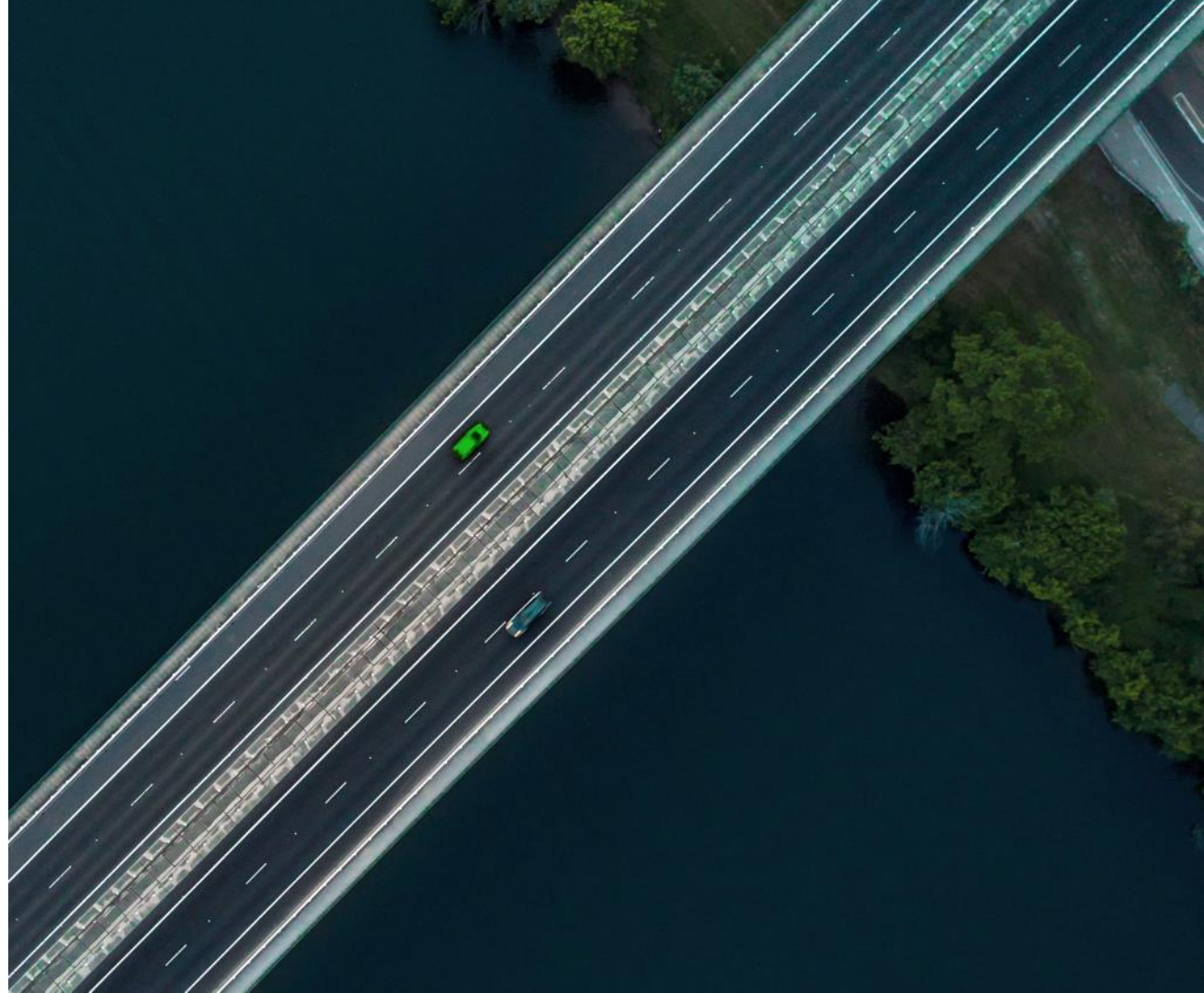
## Cloud Foundation =

Basic Building Blocks that facilitate the Pilot migration to cloud and the journey that follows



# Move

Be in control of the  
critical path





## Migration Tracking - Review - Change Control and Approval Board

- Business Objective Tracking
- Migration Tracking & Scheduling
- Migration Governance
- Change, Risk and Comms Management
- Approvals, Reviews & Feedback
- Complete Sign-Off

### 3. Migration desk

- Configure Migration tool
- Use Migration tool to migrate workloads to Cloud Model
- Complete checklists

### 4. Testing & Validation desk

- Test & validate migrated workload
- Authorize cutover / go-live decision

### 2. Pilot Review desk

- Document learnings
- Update Runbooks
- Baseline

**Move**  
Migration execution desk  
*What happens during execution*



### 5. Hypercare desk

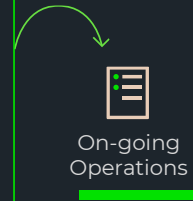
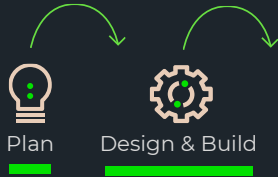
- Provide Migrated workload support
- Document environment behaviour
- Finetune

### 6. Operationalize

- Document handover
- Knowledge Transfer to Operations SMEs
- Obtain Migration Sign-off

### 1. Migration Plan Review desk

- Review Migration Calendar
- Identify Migration batches
- Plan Comms







# Operationalize

Simplifying the  
Operations



# Operationalize - **Guaranteeing Operability**

## Is Operationalization relevant during Migration?

There exist questions on why should one focus their efforts on operational conversations during and upon completion of a Migration.

It is important to wear the **Cloud Adoption** hat on, while executing any Migration, there by allowing us to focus on truly **enabling the Operations team** to standardize BAU management, simplify the continuous improvement process, provide consistent user experience across Services/BUs/Regions,

Our **4 phases getmigrate approach** proactively guarantees readiness for Operations as part of the Migration completion.

Creating Migration & Ops Overlay

Establish and agree on a Baseline

Business Criticality definition

Services Dependency & RACI

CMDB Enabled ITSM

Review Methodology

Release to Ops Checklist

### Getting ready to Operate

Simplifying the handover to Operations



**Monitoring & Performance**



**Configuration & Orchestration**



**Governance & Control**



**Security & Compliance**



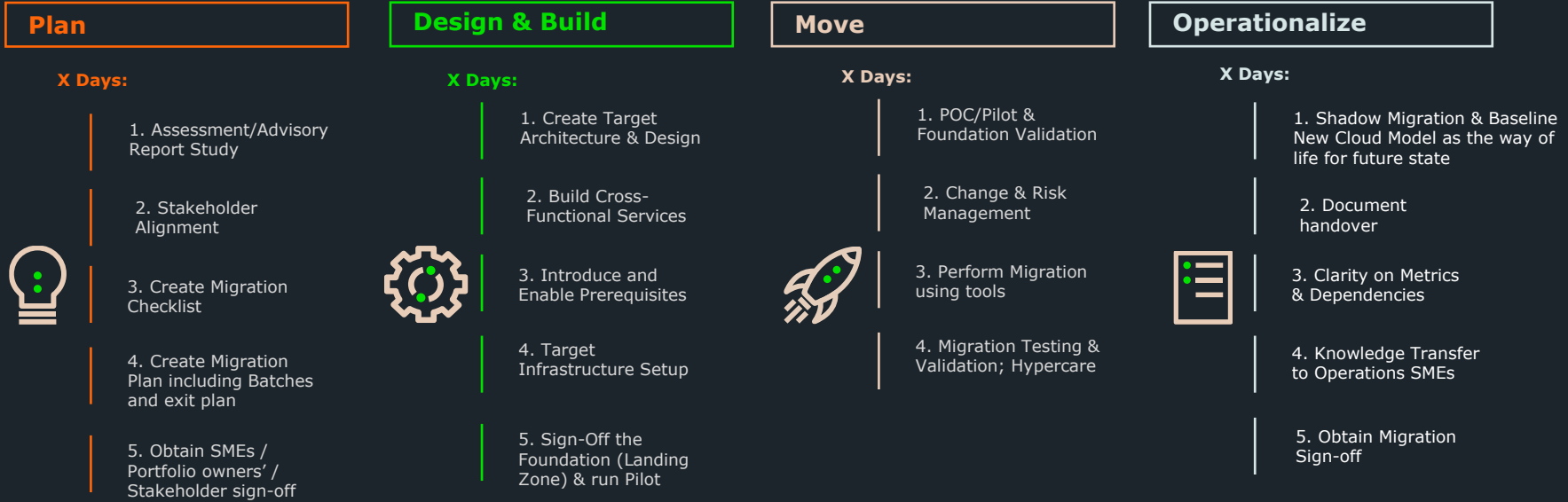
**Continuous Optimization**



# Migration Execution

Delivering the  
“Cloud Model”





# Governance





**Thank you.**