Azure Cloud Migration
Taking the right steps within the Cloud Journey
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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?

1. 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

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

3. 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

**Getsecure**
- Cloud governance
- Could Security Services
- Cloud Compliance
- Policy adherences

**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**

**Evolve**
Overview

Embrace First
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

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

**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)

**Enable 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)

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

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

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

- Obtain SMEs’ / Stakeholder sign-off
- Make Business Considerations, outline Migration Prerequisites
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;

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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

**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

How is our **Migration Model** enabled to guarantee **seamless Migration**?
Adopt - Readying 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 6th 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

Foundation (Landing Zone) is Ready to Initiate Pilot Migration and then batches of Migration

1. Create High-Level / Low-Level Target Architecture Design
2. Base Services design and build on Cloud (Network, Security, Policies, Tooling etc.)
3. Setup Cross functional services VNet/VPC, IAM etc. and Testing
4. Enable Network Connectivity to Cloud
5. Create Test Cases
6. Create and Ready the Foundation infrastructure for Migration
7. Foundation (Landing Zone) is Ready to Initiate Pilot Migration and then batches of Migration

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
Execution Model: The Move

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

1. Migration Plan Review desk
   - Review Migration Calendar
   - Identify Migration batches
   - Plan Comms

2. Pilot Review desk
   - Document learnings
   - Update Runbooks
   - Baseline

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

5. Hypercare desk
   - Provide Migrated workload support
   - Document environment behaviour
   - Finetune

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

Migration execution desk
What happens during execution

Move

Plan
Design & Build
On-going Operations

Commercially Confidential / 21
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, thereby 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
Migration Execution

Delivering the “Cloud Model”
Understanding Migration Execution

Example timeline with the flexibility to use this within deal specific scenarios

<table>
<thead>
<tr>
<th>Plan</th>
<th>Design &amp; Build</th>
<th>Move</th>
<th>Operationalize</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X Days:</strong></td>
<td><strong>X Days:</strong></td>
<td><strong>X Days:</strong></td>
<td><strong>X Days:</strong></td>
</tr>
<tr>
<td>3. Create Migration Checklist</td>
<td>3. Introduce and Enable Prerequisites</td>
<td>3. Perform Migration using tools</td>
<td>3. Clarity on Metrics &amp; Dependencies</td>
</tr>
<tr>
<td>5. Obtain SMEs / Portfolio owners' / Stakeholder sign-off</td>
<td>5. Sign-Off the Foundation (Landing Zone) &amp; run Pilot</td>
<td>5. Obtain Migration Sign-off</td>
<td></td>
</tr>
</tbody>
</table>
Governance

Legend for Participants:
- Customer
- Getronics

Leadership Engagement
- Maintain Relationships and Objectives achievement

Program Performance
- Performance Review

Task Tracking
- Progress Tracking and Status Updates

Objectives & Deliverables
- Overall Engagement Progress
- Key Milestones Forecast

- Key Milestones Performance
- RAID Log

- Task Completion Status
- Task Planning

Communication

Strategic
- Bi-Weekly
  - Customer Name: Getronics

Tactical
- Weekly
  - Customer Name: Getronics

Operational
- Daily
  - Customer Name: Getronics

Legend for Participants: Customer; Getronics
Thank you.