


# APPLICATION MIGRATION ASSESMENT

Presentation Deck - 2023




# BROAD AZURE MARKET EXPERIENCE


OUTCOME BASED SERVICES | CO-CREATION | SKILLS AUGMENTATION | RESOURCE ON DEMAND



Enterprise Azure Landing Zones  
Automated Developer onboarding  
Cloud Engineering



AzureStack  
Migration to Azure vmWare  
Azure Well Architected Review



Azure Engineering  
DevOps Enablement  
Multiple Projects



Azure Landing Zones  
Next Gen Firewalls in Azure  
Micro Segmentation



Application Migration Assessment  
Azure Landing Zone Build  
Image Lifecycle Management




Azure Landing Zone  
Cloud Migration  
Ongoing Support




Azure Landing Zone  
CI/CD Pipeline integration with  
Managed Services  
Configuration Factory



Azure Landing Zone  
Management Tooling  
CCoE Discussions




Azure FinOps  
Azure Subscription management  
Secure Azure Landing Zone




Azurestack Deployment  
AWS to Azure Migration  
Containers PS



Azure Landing Zone  
Application Migration Assessment  
Digital Health Care Record



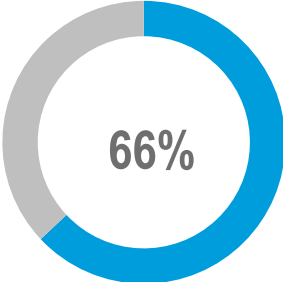
Azure Landing Zone  
Cloud Migration  
Ongoing support



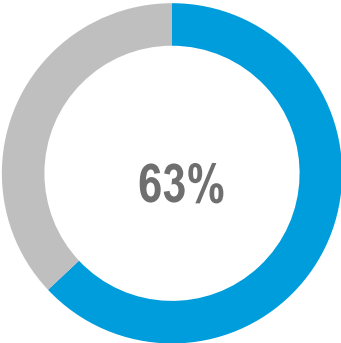
- Multi-cloud
- Automation
- Security
- App modernisation
- Cloud native platforms
- DevSecOps
- Devops toolchain
- CCOE
- FinOps
- Observability
- Cloud migrations
- Landing zones
- Cost optimisation
- CCOE augmentation
- Resource on demand



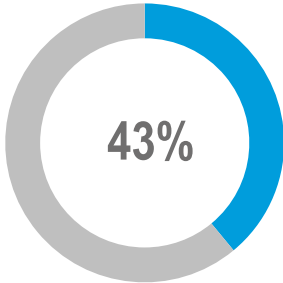
# DECIDING ON APPLICATION'S FATE IS A SIGNIFICANT CHALLENGE



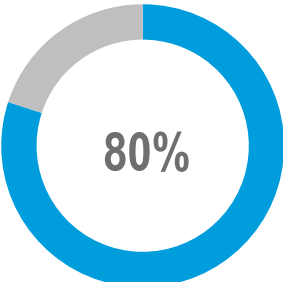
of enterprises name understanding app dependencies and assessing technical feasibility as a key cloud migration challenge. <sup>(1)</sup>



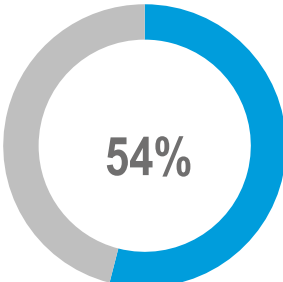
of companies' central IT is expected to decide/advise on apps appropriate for cloud. <sup>(1)</sup>



of on premises SQL/Win Server are 2008 or older. <sup>(3)</sup>



of organizations will initially overshoot their IaaS budgets, due to a lack of cloud cost optimization governance or misguided upfront cloud spend commitments. <sup>(4)</sup>



of current cloud-based applications have been moved from an on-premises environment<sup>(2)</sup>

Sources:  
1. Flexera 2020 State of the Cloud Report,  
2. IDG Cloud Computing Executive Summary  
3. TSO Logic  
4. Gartner Ten Moves to Lower Your AWS IaaS Costs



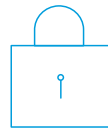
# OUR CUSTOMER'S COMMON CHALLENGES

Undertaking large scale migration and transformation programmes is complex, especially when there can be several options for what the target state of each application could be. This process is further impacted by the challenges here.



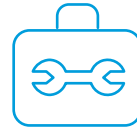
## UNQUALIFIED CLOUD MIGRATION

Cloud migration isn't easy and customers are often pressurised from multiple angles to make unnecessary transformational changes that fundamentally impact their business



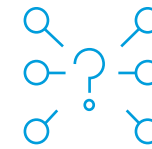
## LEGACY APPLICATIONS

Existing business applications are not typically configured for a public cloud environment, and just migrating them does not automatically upgrade them



## END OF LIFE SERVICES

Ageing infrastructure, unsupported software or legacy facilities presents risk and is seen as 'additional tasks requiring further investment'



## COMPLEX ENVIRONMENT

Large infrastructure and application estates are inherently complex, with accumulated technical debt and incomplete configuration information adding risk and uncertainty to migrations



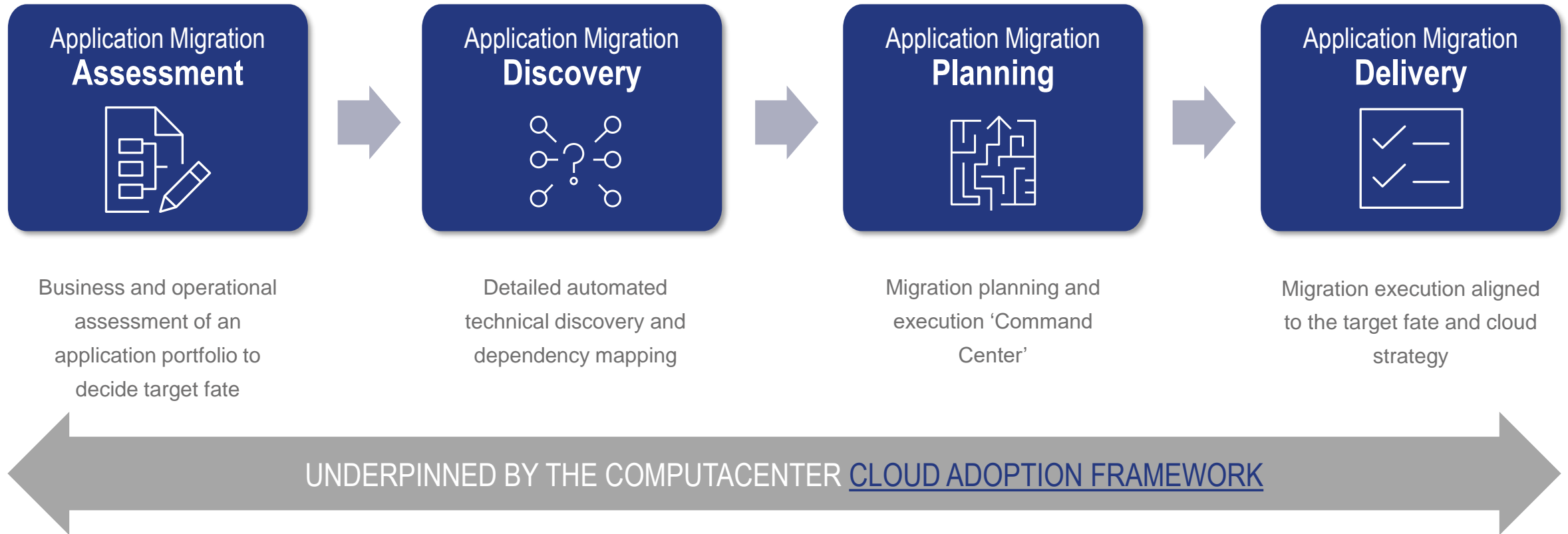
## BUSINESS CASE

Creating a clear Business Case to justify the investments and clearly articulate the benefits of migrating an application can be complex without the right information

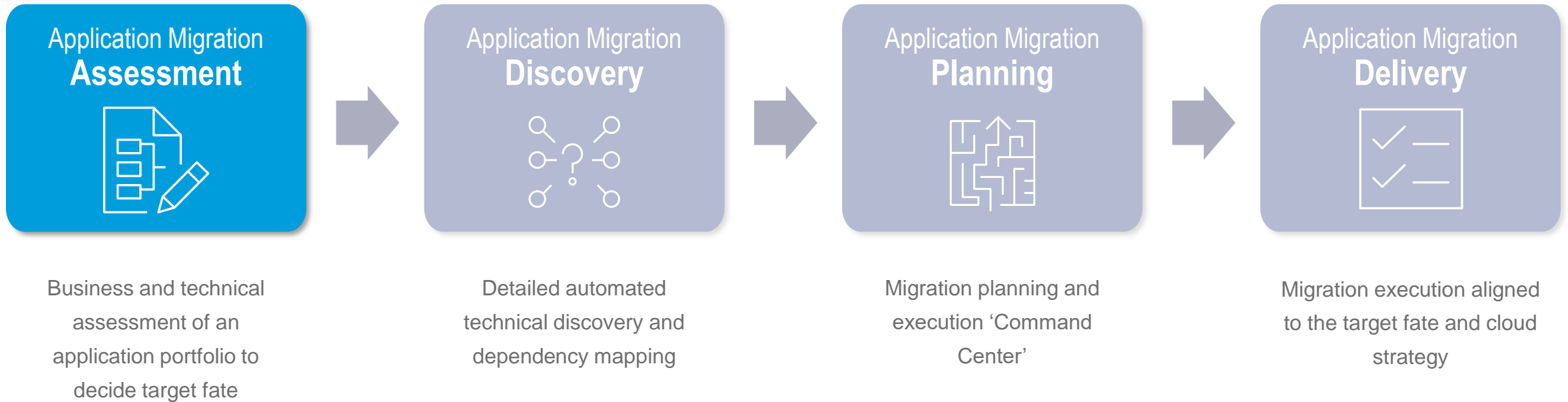


# APPLICATION MIGRATION STAGES

## THE COMPUTACENTER APPROACH



# APPLICATION MIGRATION ASSESSMENT



# APPLICATION MIGRATION

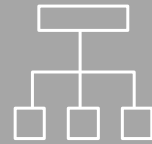
## WHAT GOOD LOOKS LIKE



### Business Aligned

1. Clearly defined business objectives

- Align everyone to the same rationale for cloud usage
- Understand the benefits that your business wants from cloud
- Understand constraints that influence cloud decisions - time, cost, compliance



### Data Driven Analysis

2. We use over 1,600 data points in the analysis phase

- Cloud migration including transformational costs
- Comparison with alternative options including 'Do-Nothing'
- Optimised cloud costs based on vendor offerings



### Per Application Decision Making

3. Only move what you SHOULD

- Decisions based upon technical AND business strategy
- Evidenced cloud transformation plans
- Alternative transformation options where cloud not appropriate



### Transparent Total Cost of Ownership

4. Understand the true costs

- Cloud migration including transformational costs
- Comparison with alternative options including 'Do-Nothing'
- Optimised cloud costs based on vendor offerings



# Application migration strategy for Windows 2008

Analysing applications and exploring options for exploiting cloud technology:

- Technical discovery and data capture of all Kellogg's Windows 2008 applications
- Engaging stakeholders to understand application estate and criticality to business
- Evaluation of all other in-scope applications and infrastructure for migration to cloud
- Conducting a 6R analysis of all applications
- Fully-costed business case including recommendations for future transformation of applications to cloud/other target platforms

## Outcome:

- Delivery of Computacenter consultancy services that were unavailable within Kellogg's
- Methodology adapted to fit customer structure and what could be delivered and sustained
- A solid, strategic plan for migrating end-of-life applications and infrastructure to cloud
- Provision of valuable new data
- A reusable process for Win 2012 end-of-life

No of global Kellogg's employees:

**34,000**

No. of countries products marketed in:

**180**

The Kellogg's logo is displayed in its signature red, cursive font with a white outline, set against a white background in the top right corner of the slide.



# APPLICATION MIGRATION ASSESSMENT

## TRADITIONAL MIGRATION APPROACH

**IT-CENTRIC** – most cloud migration projects all too often look to address typical data centre challenges around ageing hardware, legacy software and speed to deploy infrastructure to support new services

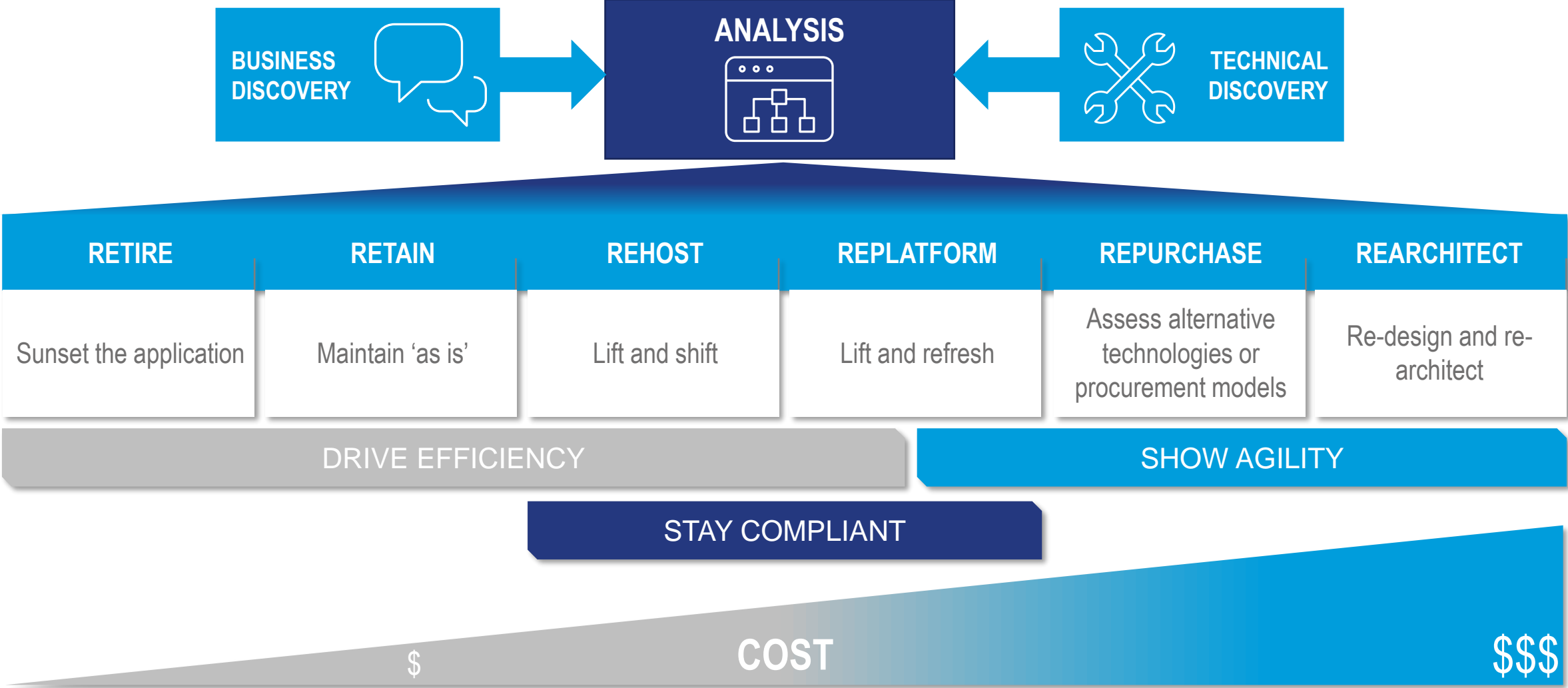
**MONOLITHIC PROJECT** – complex interdependencies and poorly understood environments result in delayed transformation plans or become the inhibitors to cloud migration and

**LIFT AND SHIFT** – cloud becomes an extension of the on-premise data centre and the true benefits of cloud (agility, scalability, savings) are not realised

**PROJECT FOCUSED** – traditional siloed approach does not deliver the overall cloud operating model and control that an organisation needs to adopt to realise full cloud benefits





# DECIDING APPLICATION MIGRATION OUTCOMES / STRATEGIES




# APPLICATION MIGRATION ASSESSMENT APPROACH

## 1 Initiate

**Scope**  


**Plan**  


**Prepare**  


Ready →

Publish →

## 2 Capture & Assess

**Business Drivers  
Plans, Standards & Principles**

**Business Stakeholders**    **Architecture & Operations**

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**Applications Insight**




**Applications Owners**

Workshop Outputs →

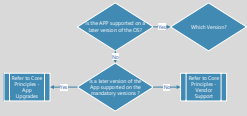
Online Questionnaires Outputs →

## 3 Analyse


**Refined 6xR's**



**Bespoke Decision Trees**




**Applications Information**



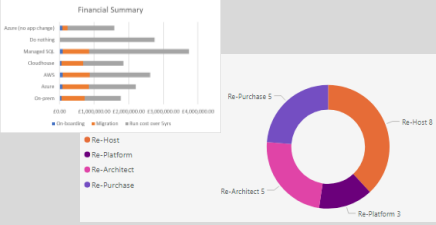
Prepare →

## 4 Report

**Application Fates**




**Application Portfolio Assessment**





# APPLICATION MIGRATION ASSESSMENT

## OUR UNIQUE APPROACH



### Application Questionnaire

The purpose of this questionnaire is to gather key data regarding the Application you are responsible for.

\* Required

Stakeholder Details

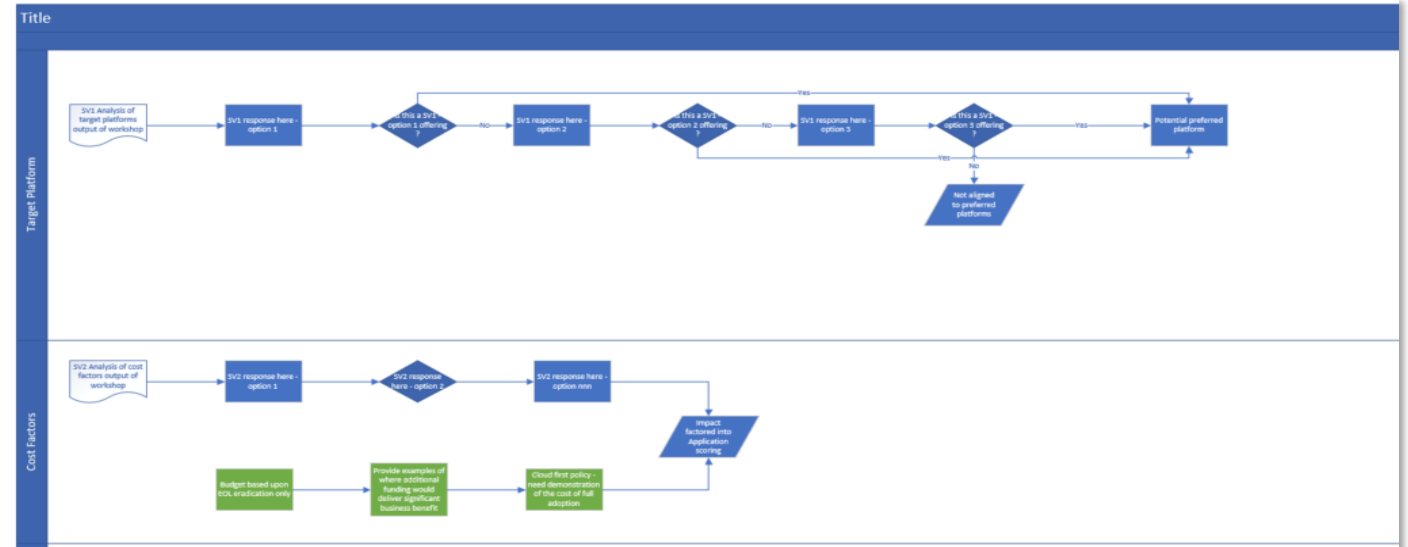
**1**

Please provide your name \*

**2**

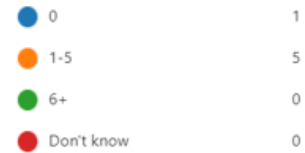
What is your role? \*

Application Questionnaire



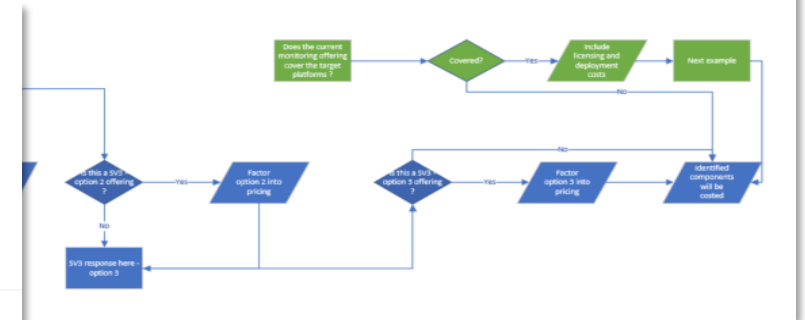
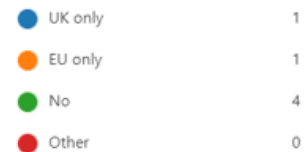
15. How many other applications are dependent on this application?

[More Details](#)



16. Are there any restrictions on where the application data could be located?

[More Details](#)



Decision Tree Logic Process Flow

Questionnaire Summary



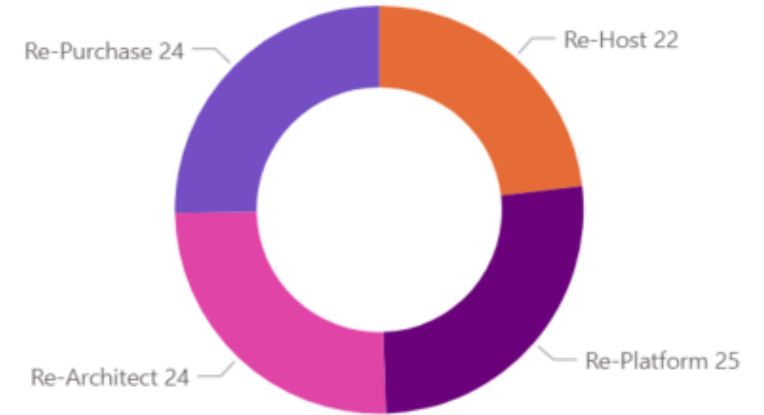
# REAL TIME VISUALISATION

## Architectural Assessment

Parameter	Retire	Retain	Re-Host	Re-Platform	Re-Architect	Re-Purchase
Cost	2	2	2	2	-2	-2
Scope	-5	-5	5	5	5	5
Time	2	2	2	2	2	2

## Total Score

- Retire
- Retain
- Re-Host
- Re-Platform
- Re-Architect
- Re-Purchase



Re-ArchitectSum	Re-HostSum	Re-PlatformSum	Re-PurchaseSum	Retire	Retain
24	22	25			
<b>24</b>	<b>22</b>	<b>25</b>			

Recommendation

1

**RE-PLATFORM**  
**(Windows Server 2016/PAX 4.6/SQL 2012)**

Overall, this option scored significantly higher than Re-architect and Re-host. It was only lower scoring in Technical Standards due to the version of SQL server that is supported even in the latest release.

The roadmap and vendor support align well to the target timelines future. However, it requires the provision of additional VMs to allow testing.

The criticality of the service and it's requirement to be close to the plant lines make a cloud option not viable.

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**Application Name**

- ACME-INC-EU-Roadrunner
- Cloud Office
- credit application and disbursement
- Exchange Trading Feeds
- Image Developer
- Legacy Mainframe Access Point
- Matcher
- Real Digital
- Sales Analysis
- SGV
- Stores Remote Ordering Service

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# APPLICATION MIGRATION ASSESSMENT

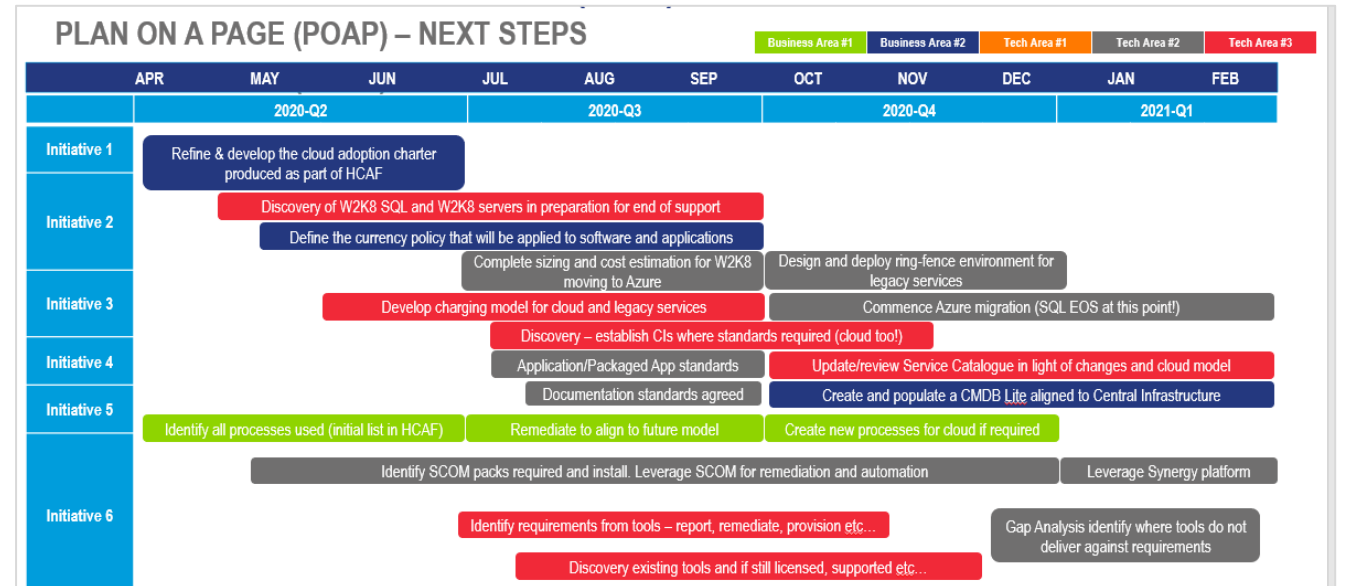
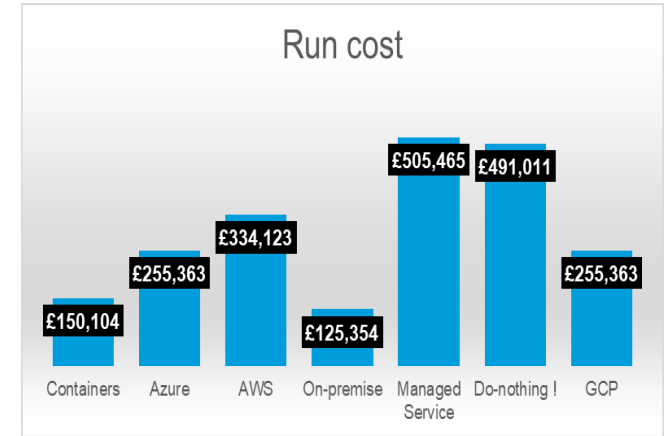
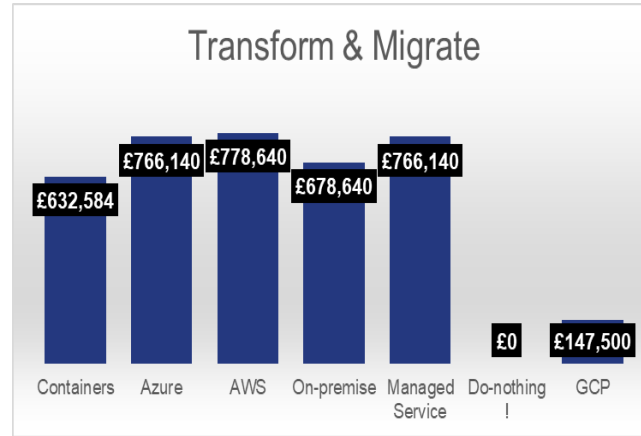
## APPLICATION PORTFOLIO ASSESSMENT (OPTIONAL)

Comprehensive budgetary analysis

Prioritised plans to maximise value

Per Application Recommendation

Key features, benefits and considerations identified



# START WITH A SHORT ENGAGEMENT – PROOF OF CONCEPT

Start with our 10 application proof of concept offer: a cost effective, rapid, and a lightweight exercise.

- ✓ Decide the fate of 10 low-medium complexity applications
- ✓ The engagement takes approximately 5 weeks\*
- ✓ Obtain a clear roadmap for transformation and prioritised activities that will support your business strategy.
- ✓ The total cost for the service is £35k

In 4 steps and app. 5 weeks you will receive a business case with a clear roadmap for transformation and prioritised activities that will support your business strategy.

