

# Migrate and Modernize to achieve your Business Goals

**Gareth Bowers**  
CEO, Silicon Overdrive



# About Silicon Overdrive

Founded in 1995, Silicon Overdrive is a leading IT Managed Services business. Silicon Overdrive has significant experience and expertise in helping customers:

- Migrate
- Security and Compliance (POPIA, GDPR, PCI DSS, ISO 27001, HIPAA)
- Optimize
- Modernize
- Manage AWS workloads

We have been awarded:

- AWS Public Sector Partner of the Year – Sub-Saharan Africa 2021
- AWS Consulting Partner of the Year – Sub-Saharan Africa 2020



# AWS Certifications

Our team has 100+ AWS certifications including:

- AWS DevOps Engineer Professional
- AWS Solutions Architect Professional
- AWS Security Specialty
- AWS Machine Learning Specialty



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# AWS Partnership

- AWS Advanced Consulting Partner
- AWS DevOps Services Competency Partner
- AWS Education Services Competency Partner
- AWS Solution Provider Partner
- AWS Public Sector Partner
- AWS Immersion Day Partner
- AWS Well-Architected Partner
- Amazon EC2 for Windows Server Delivery Partner



- Public Sector
- Immersion Day
- Solution Provider
- DevOps Services Competency

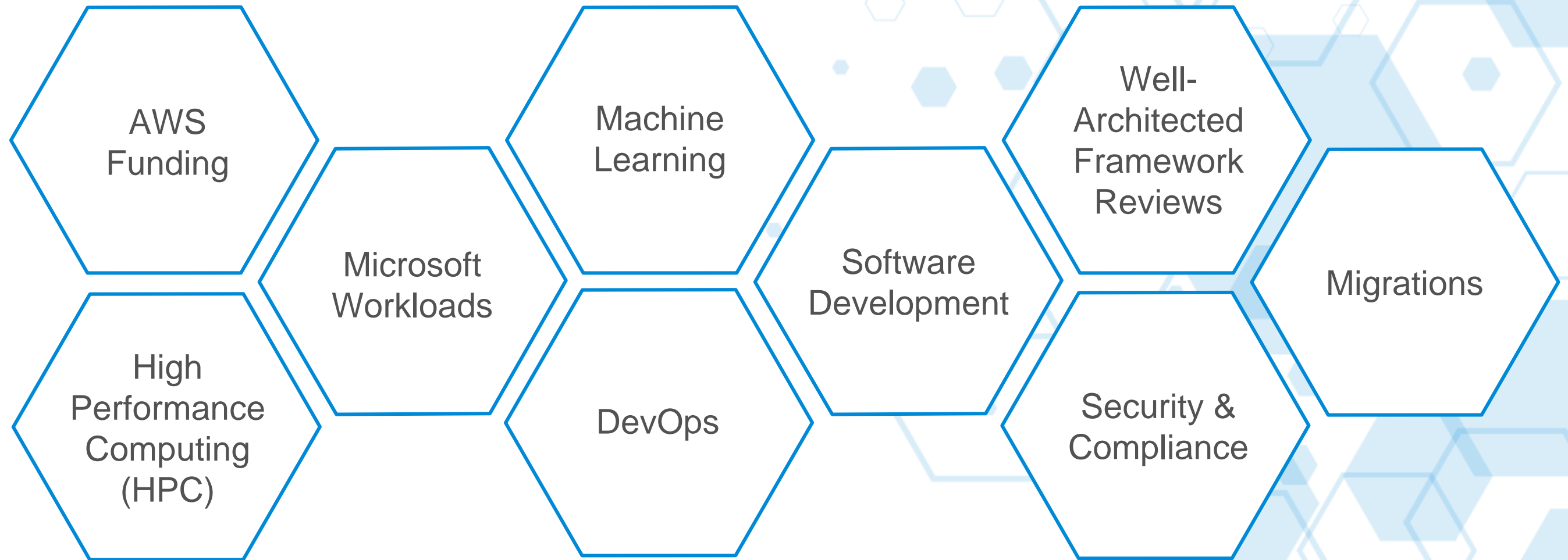
- Education Services Competency
- Well-Architected Partner Program
- Amazon EC2 for Windows Server Delivery



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The text 'Silicon Overdrive' is written in a black, sans-serif font. To the right of the text is a small, stylized logo consisting of a network of interconnected nodes and lines, resembling a molecular or data structure.

# Our AWS Offerings



# What is Modernization?

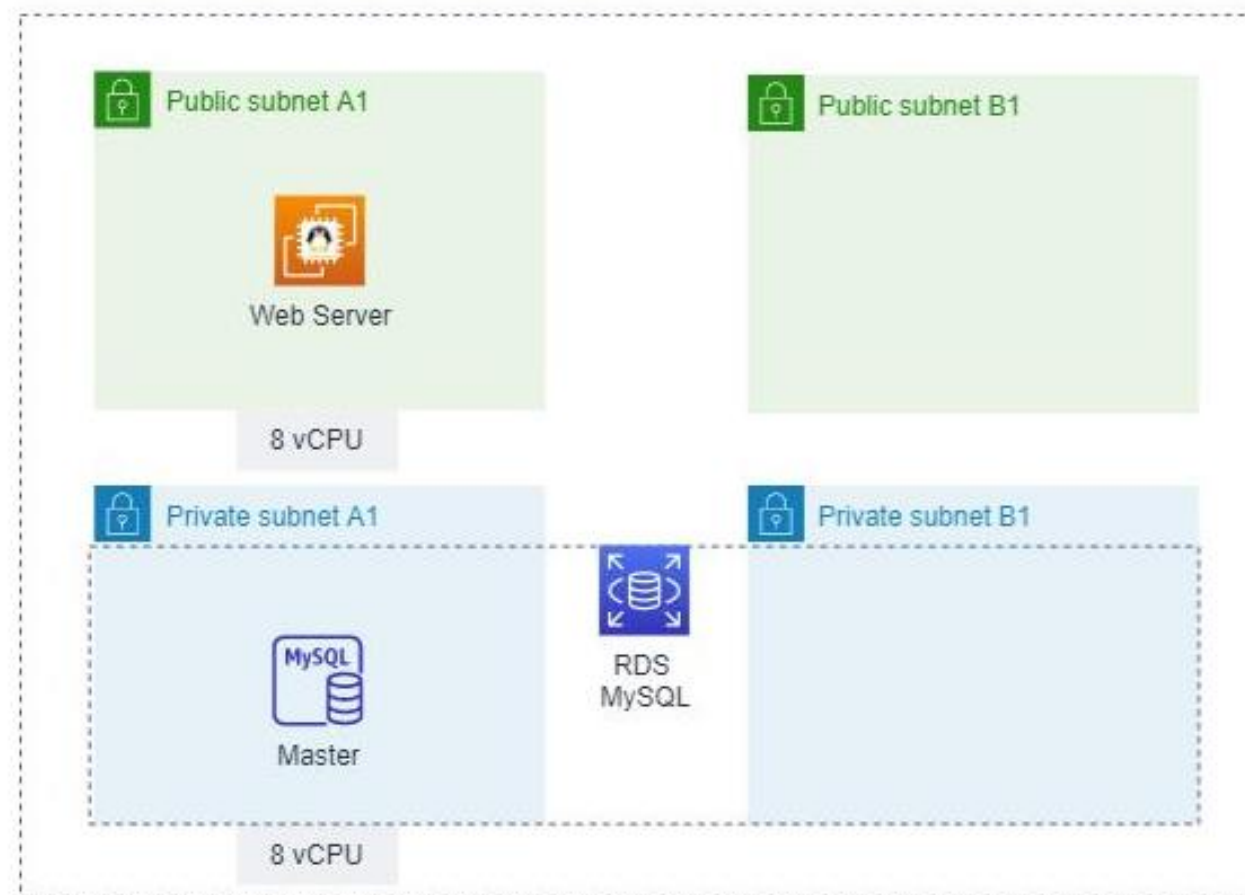
## Modernization is:

The process of progressively transforming existing applications and infrastructure to extend into higher-value.

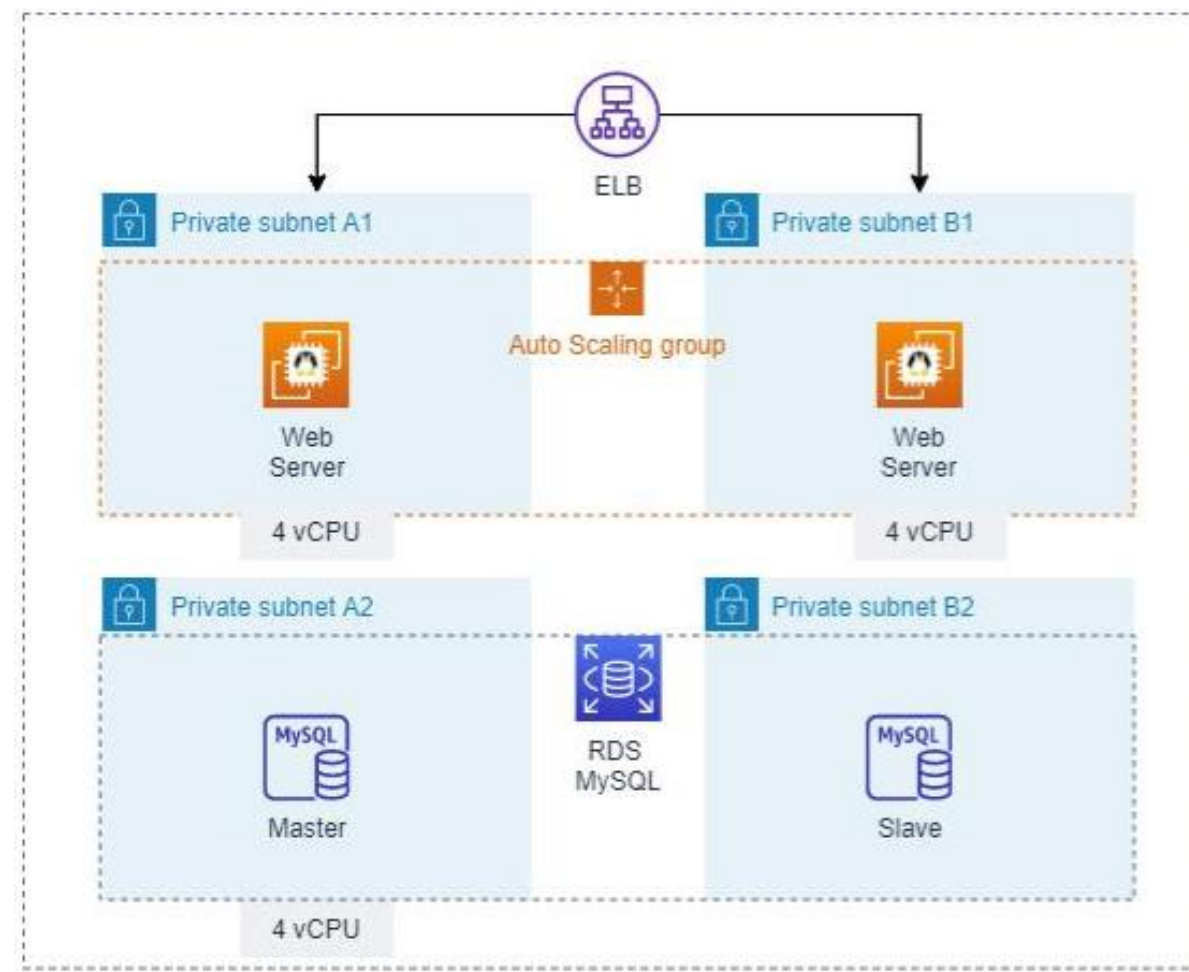
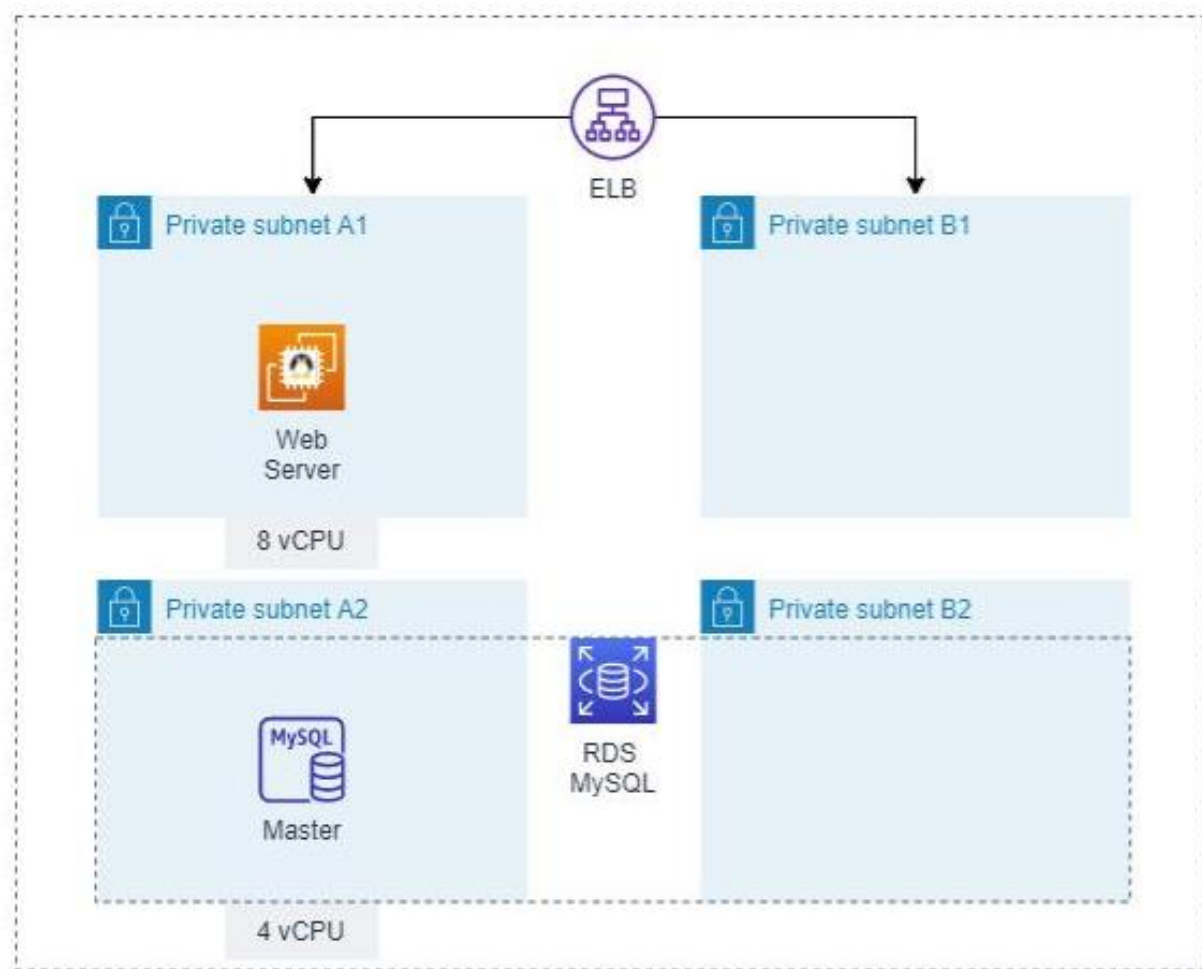
- Implementing cloud-native services that unlock new business capabilities, accelerate innovation, and reduce technical debt.



# Modernization Example

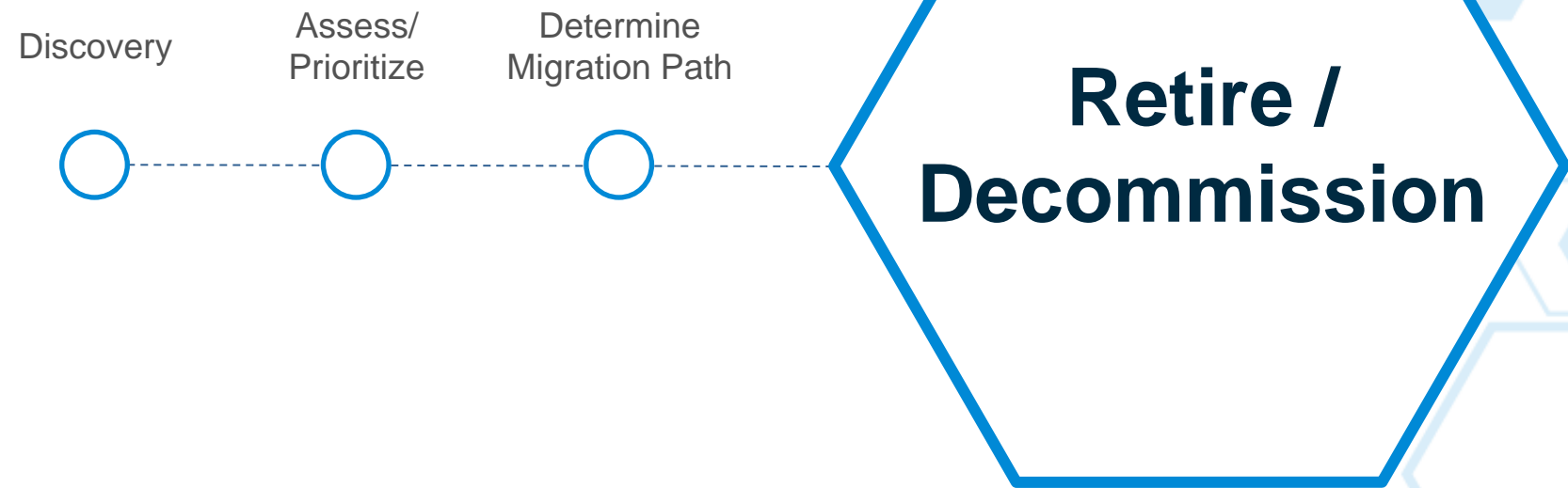


# Modernization Example

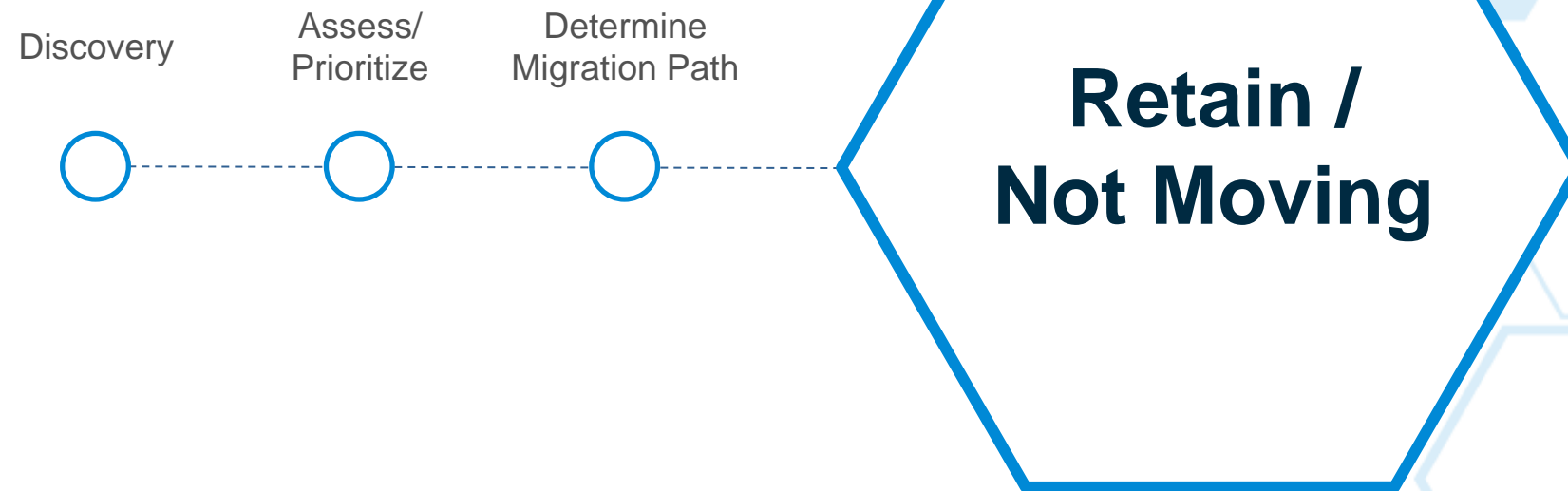




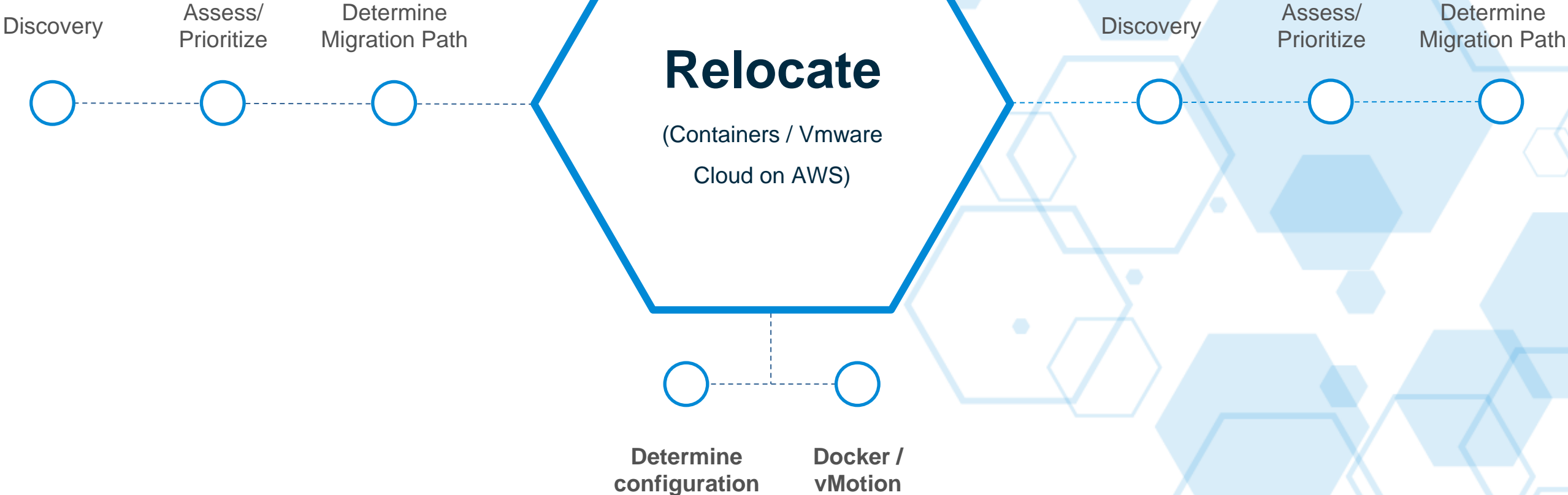
# Migration Strategies: Retire



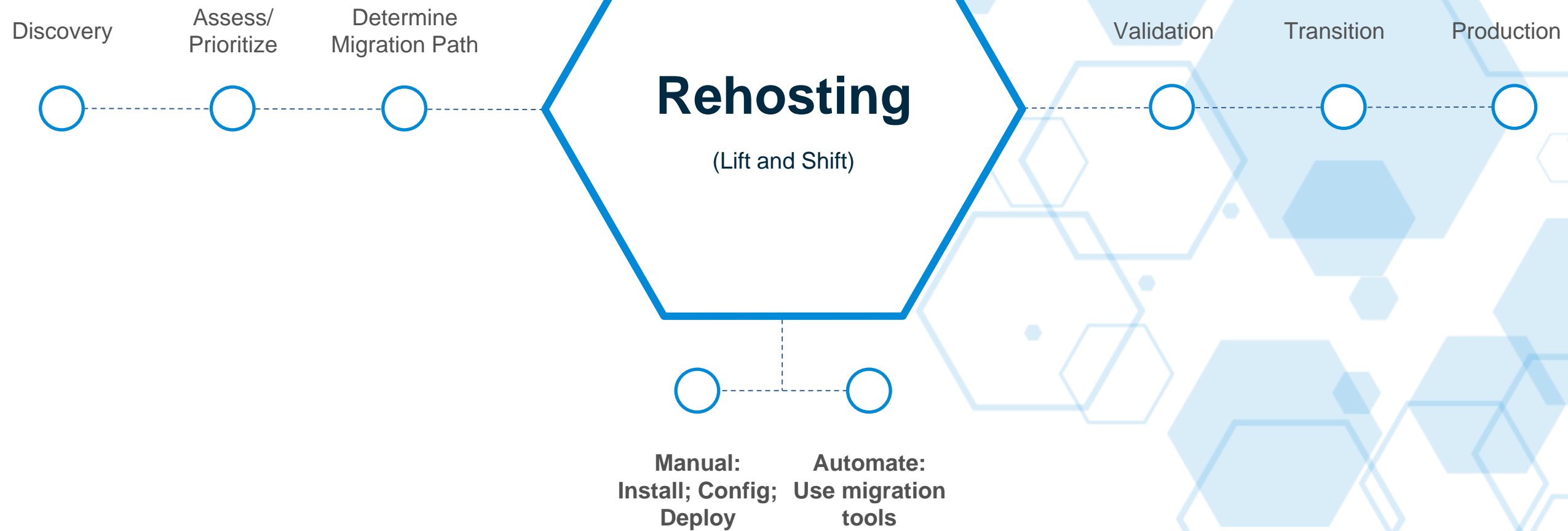
# Migration Strategies: Retain



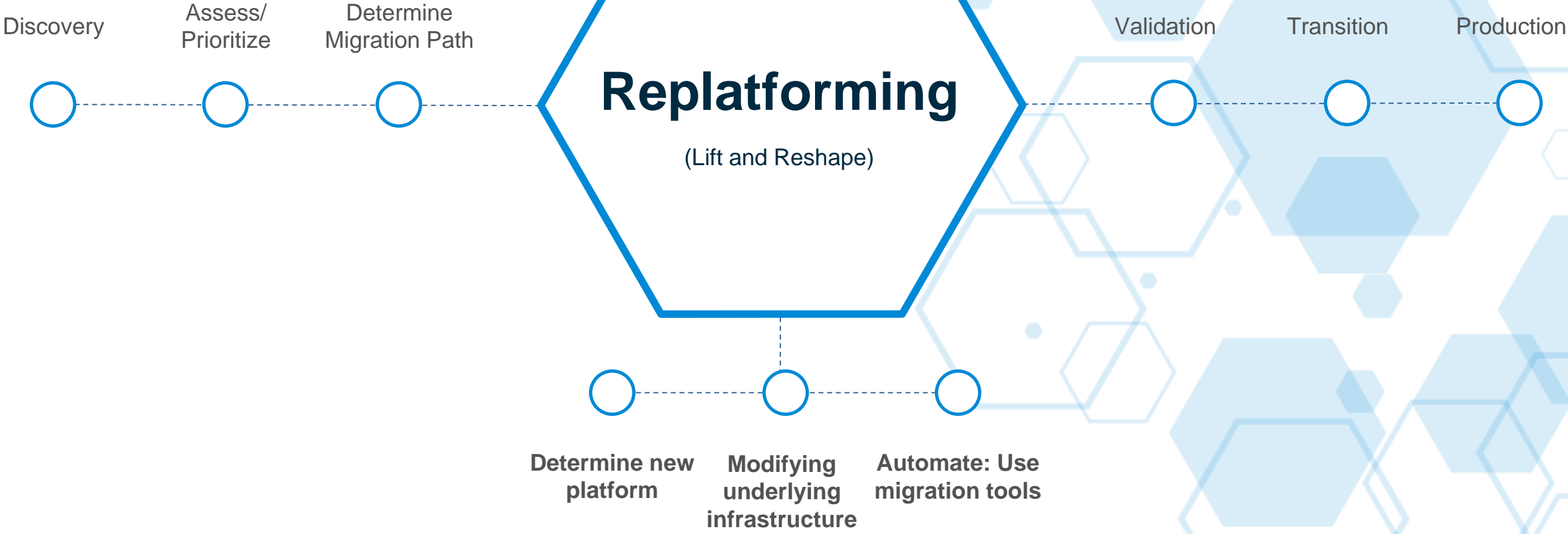
# Migration Strategies: Relocate



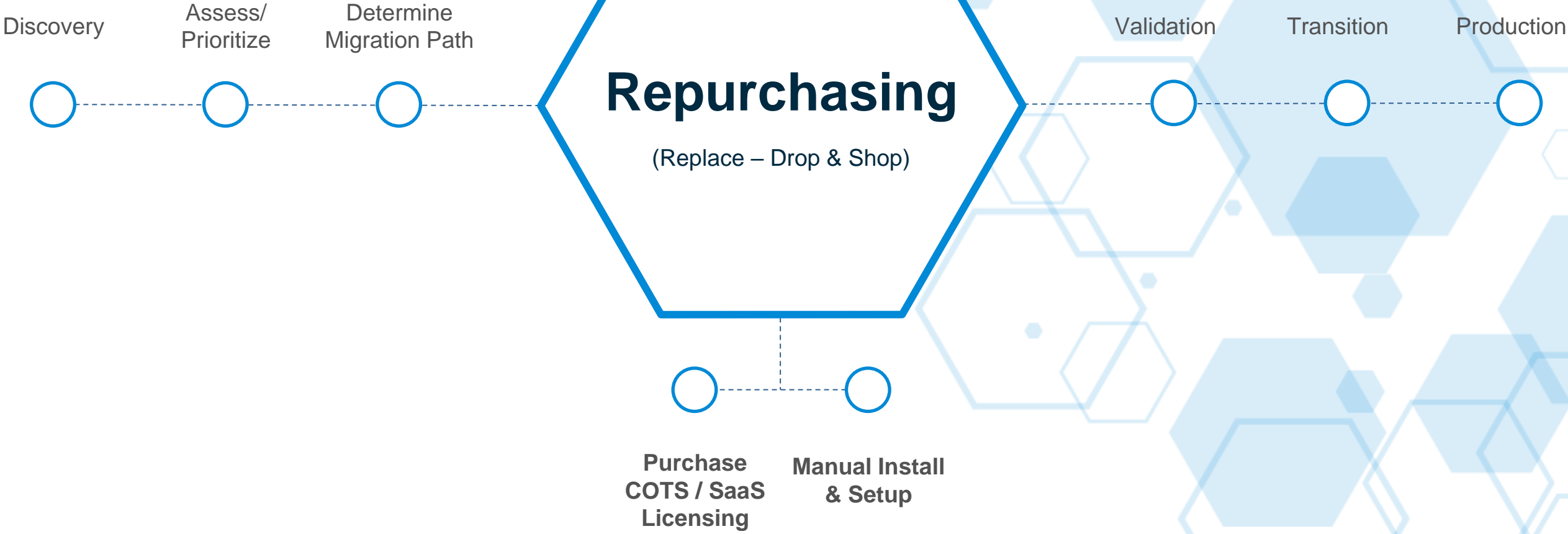
# Migration Strategies: Rehosting



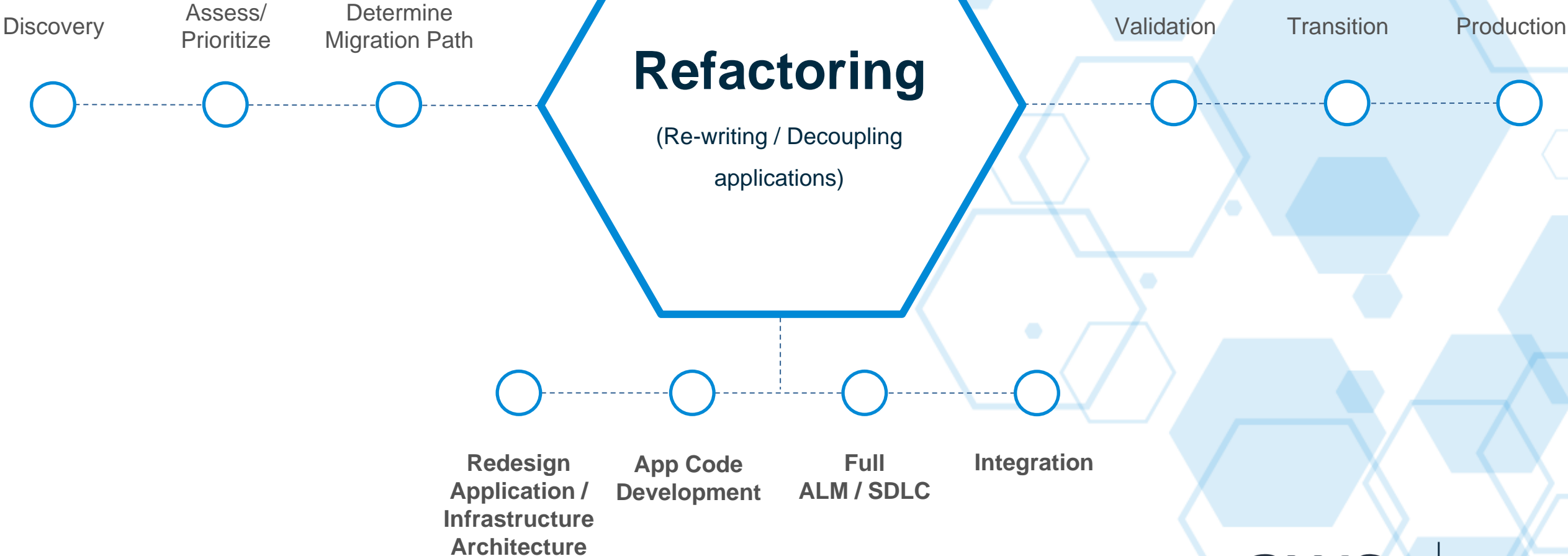
# Migration Strategies: Replatforming



# Migration Strategies: Repurchasing



# Migration Strategies: Refactoring



# Example: Modernizing Legacy Windows Applications

## Relocate / Rehost

Windows Applications

Move to Cloud Infrastructure



- Apps / DBs run on VMs
- No code changes
- Customer operates everything above the infrastructure

On-Prem ➤ Cloud

## Replatform

### Containerized Applications

- Develop and deploy faster
- Application portability
- No code changes



VMs ➤ Containers

### Managed Databases

- Managed provisioning, backups, patching, monitoring and scaling
- No code changes



Self-Serve ➤ Managed

## Refactor

- License freedom/savings
- Performance improvement
- Cross-platform support



.NET ➤ .NET-Core

- High performance & scalability
- Purpose-built database services
- Licensing savings



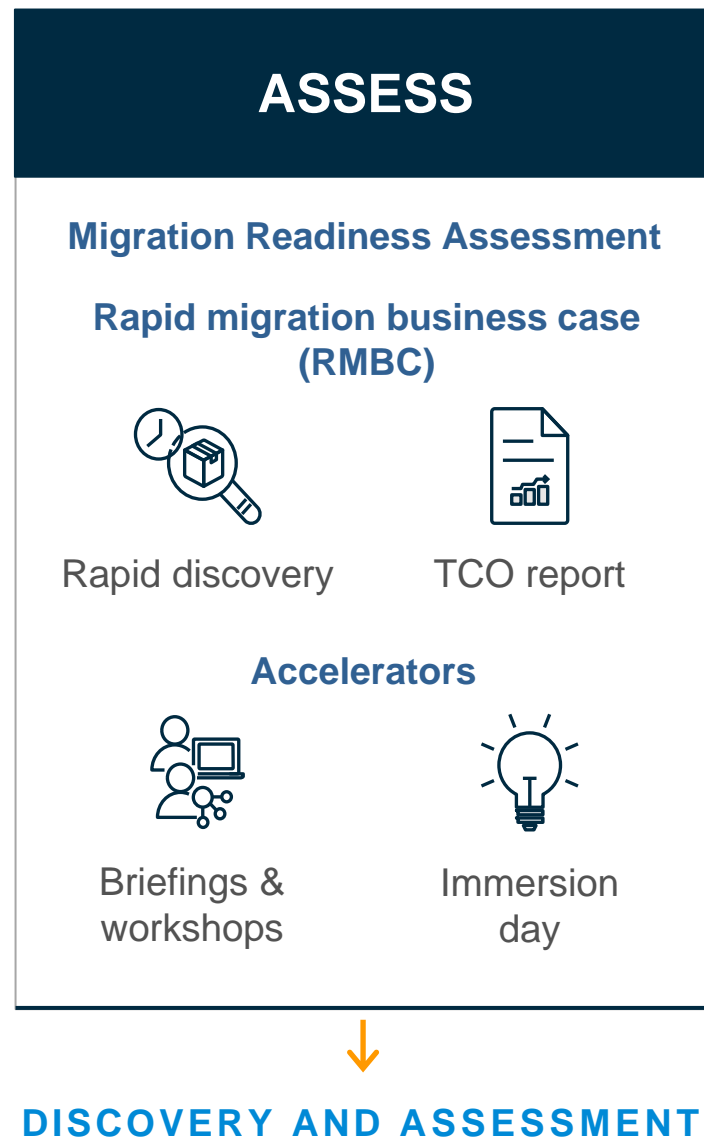
SQL ➤ Aurora/DynamoDB/etc.



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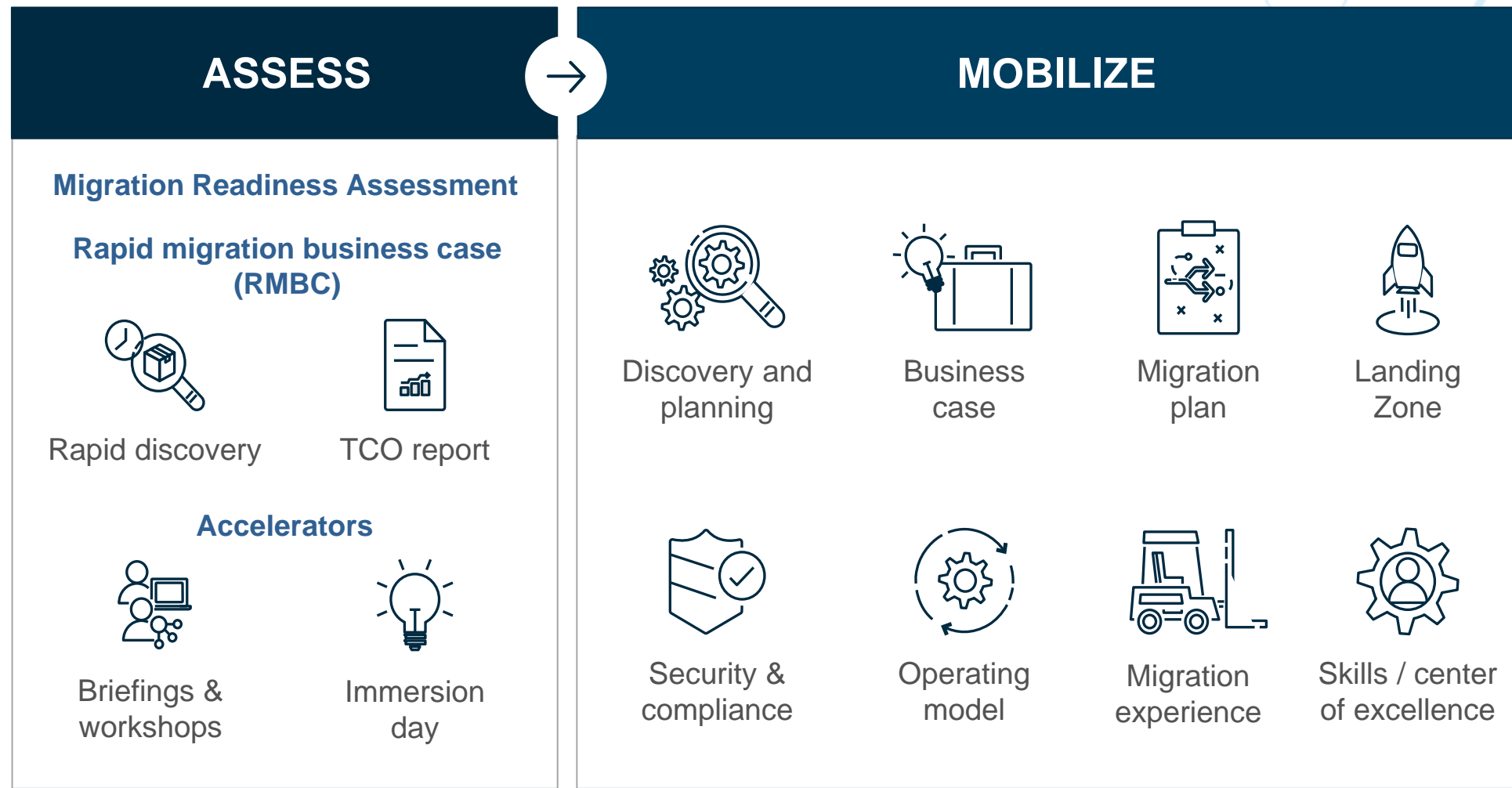
# MAP Operationalize



The Assess phase is delivered by the partner and funded by AWS



# MAP Operationalize



↓  
**DISCOVERY AND ASSESSMENT**

↓  
**BUILD MOMENTUM AND GAIN EXPERIENCE**

The Mobilize phase is delivered by the partner and partially funded by AWS



# MAP Operationalize



↓  
**DISCOVERY AND ASSESSMENT**

↓  
**BUILD MOMENTUM AND GAIN EXPERIENCE**

↓  
**ACCELERATE, SCALE MODERNIZE**



# Best Practices for Migration Project Delivery

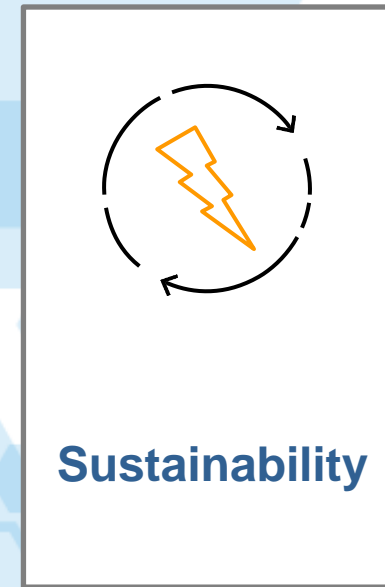
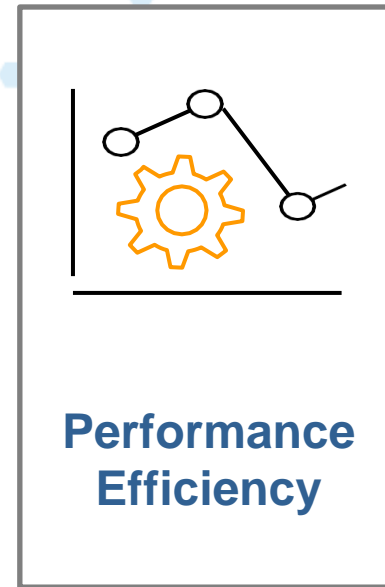
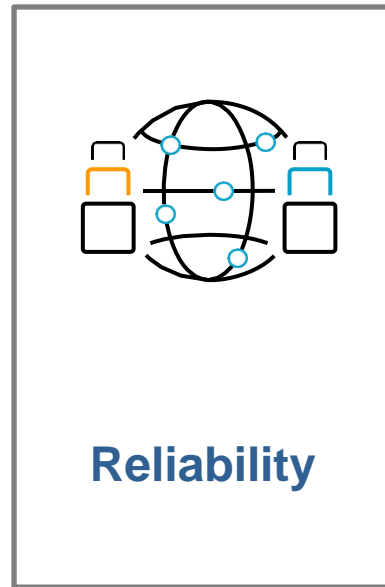
- Executive sponsorship and stakeholder management
- Set clear business goals and roles
- Set outcome-focus goals
- Project plan and project governance
- Operational model and technical direction defined
- Develop cloud skills / address gaps
- Cost governance and cost optimization



# AWS Well-Architected Framework Review

Evaluate your workloads against AWS best practices, and assist you improve your workloads.

The Well-Architected Framework is based on six pillars:



# Why Use the AWS Well-Architected Framework Review

- Align Business with IT
- Improve governance, security and compliance
- Automate to increase operational efficiency and reliability
- Regularly review metrics and constantly improve
- Test systems at production scale
- Modernize architectures
- Optimize costs

\$5,000 in AWS Usage Credits per workload improved with the assistance from an AWS Well-Architected Partner, Silicon Overdrive.



# The Role of Silicon Overdrive in Your Transformation Journey

**Erick Odipo**

Business Development Specialist Kenya, Silicon Overdrive



# How We Can Help You:

1. Assess your migration readiness
2. Architect and implement a robust migration plan
3. Access to AWS funding
4. Improve your workloads with a Well-Architected Framework Review
5. Better your security posture & compliance score
6. AWS Volume Discounts and Cost Management





# Thank You

**South Africa**

[www.overdrive.co.za](http://www.overdrive.co.za)

+27 21 448 5759

[aws.sales@overdrive.co.za](mailto:aws.sales@overdrive.co.za)

**Kenya**

[www.overdrive.co.ke](http://www.overdrive.co.ke)

+254 726 284 477

[aws.sales@overdrive.co.ke](mailto:aws.sales@overdrive.co.ke)

