

Silicon Overdrive: Future-proof your Business on the AWS Cloud



About Silicon Overdrive

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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



Silicon Overdrive 

The Silicon Overdrive logo is a stylized, blue, geometric shape resembling a cluster of atoms or a network of nodes.

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

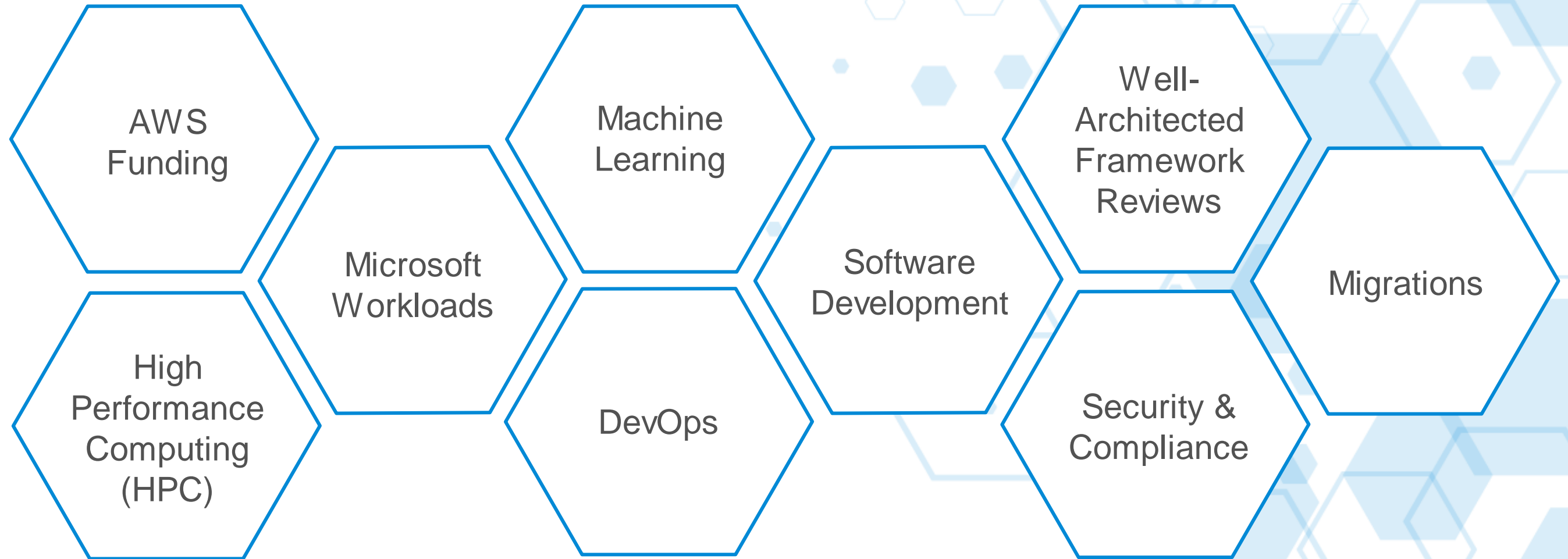
- Education Services Competency
- Well-Architected Partner Program
- Amazon EC2 for Windows Server Delivery



Silicon Overdrive 

The Silicon Overdrive logo, which is a stylized, blue, geometric representation of a network or data structure, composed of interconnected nodes and lines.

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.



Benefits of Cloud Computing

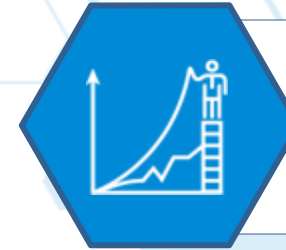
Trade capital expense
For flexible operating expense



Stop guessing capacity



Stop spending money on
running and maintain data
centres



Benefit from massive
economies of scale



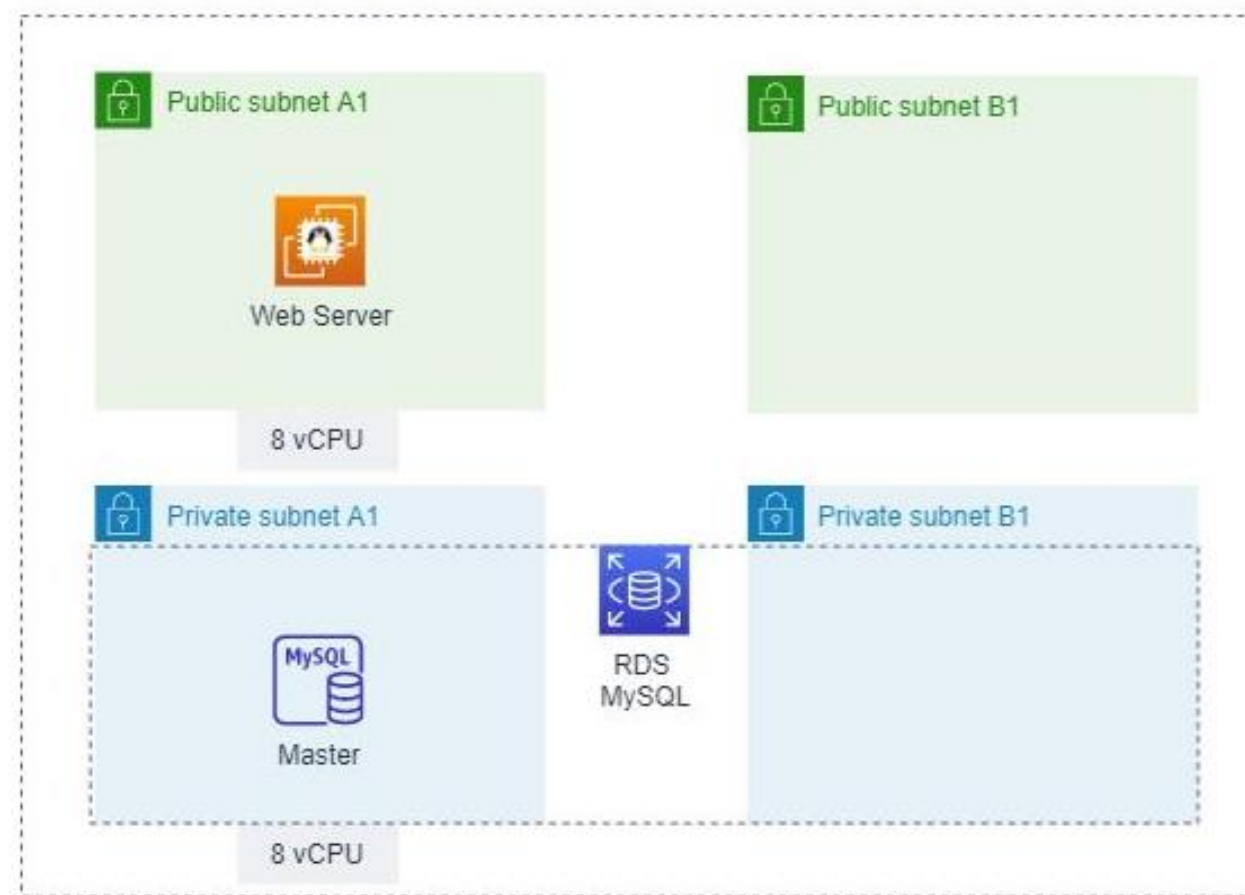
Increase speed and
agility



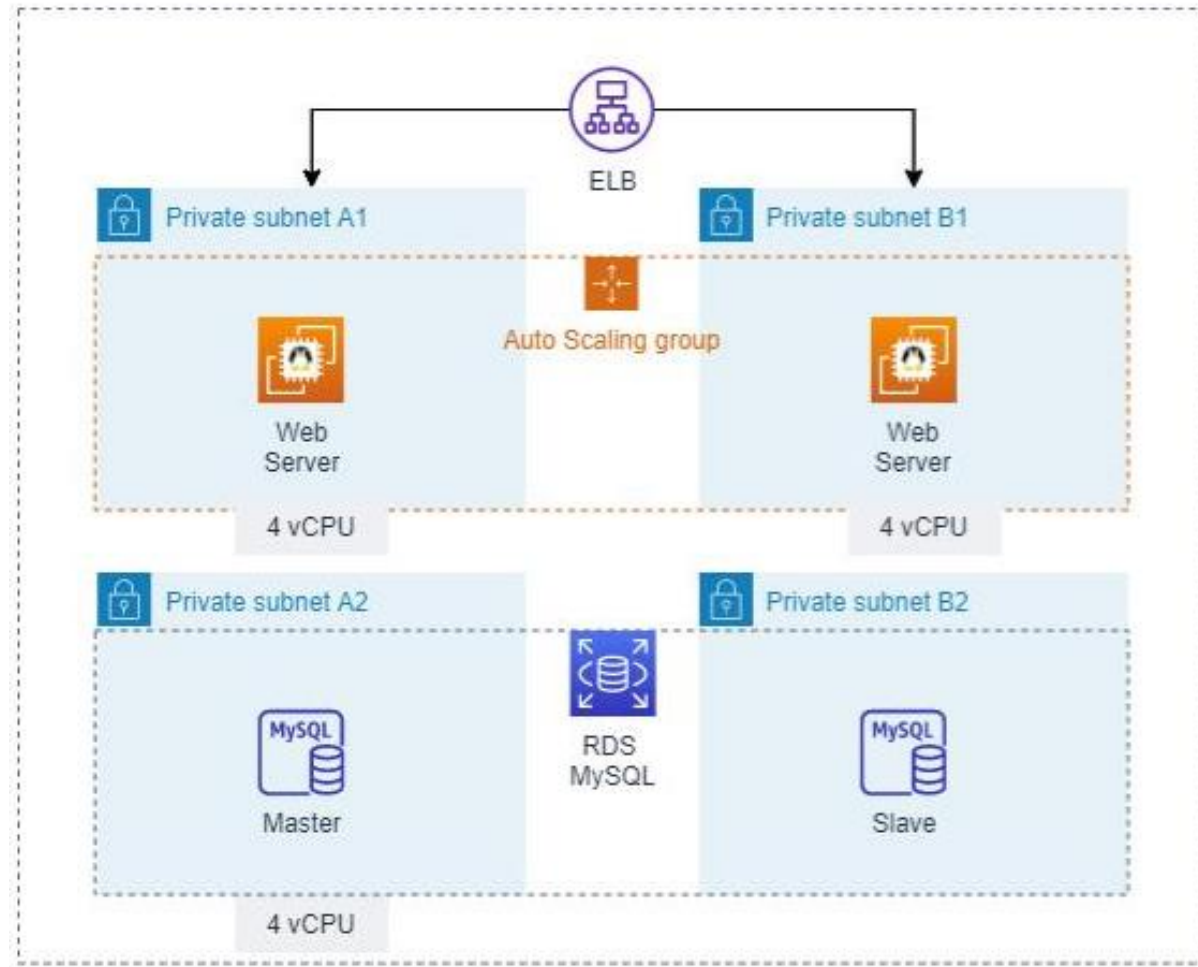
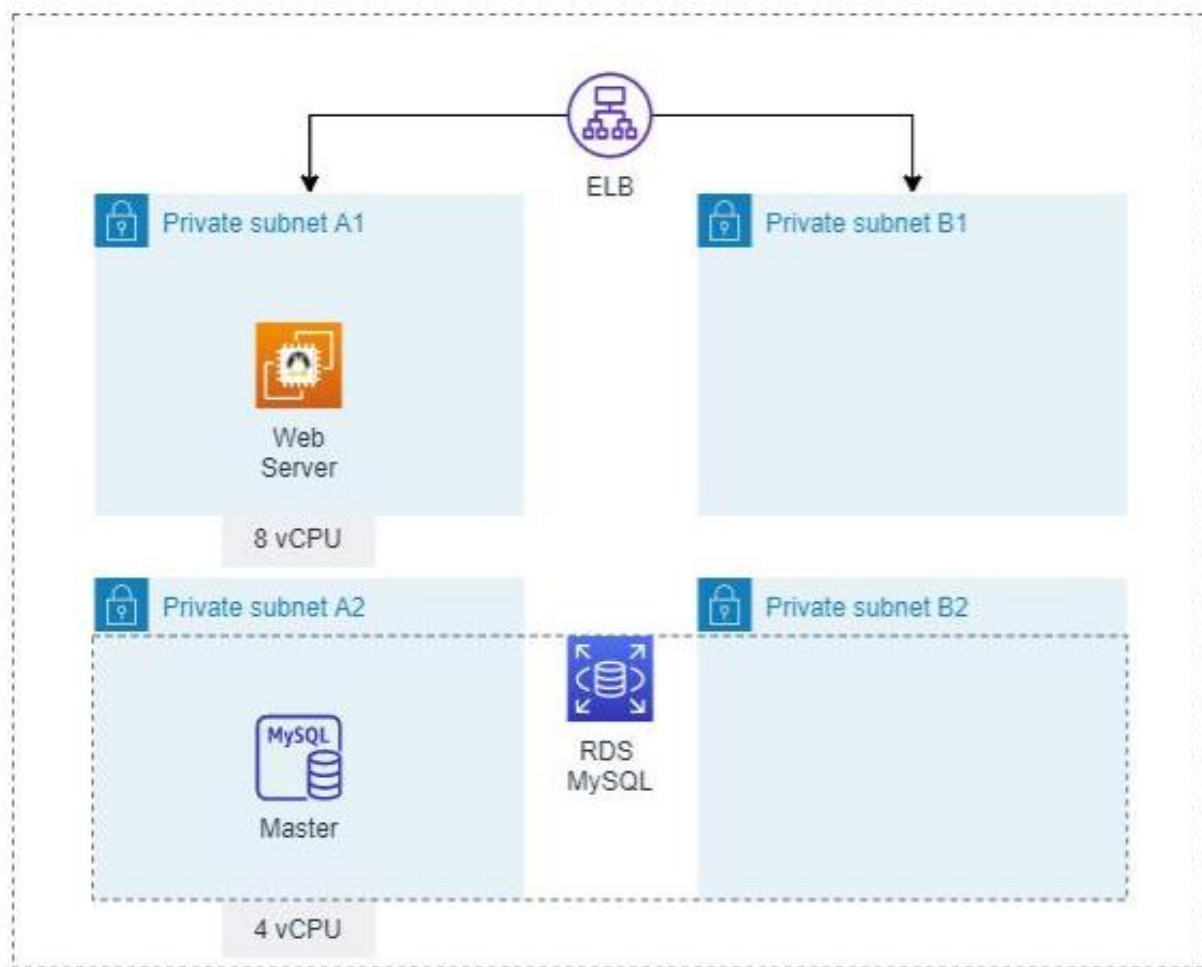
Go global in minutes



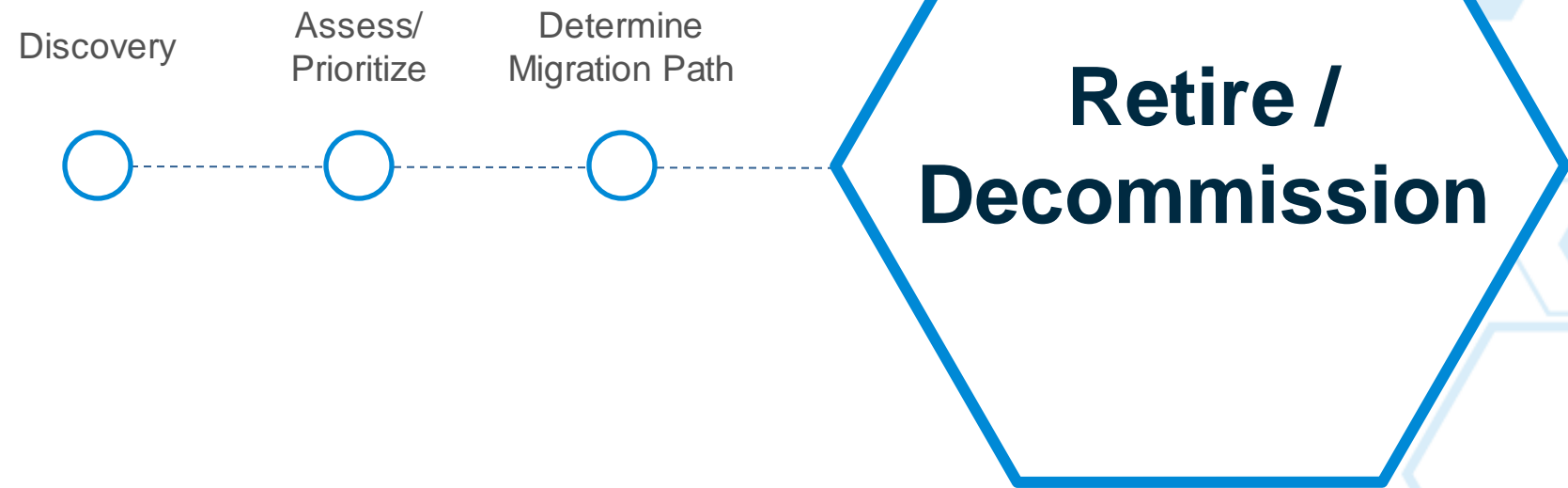
Modernization Example



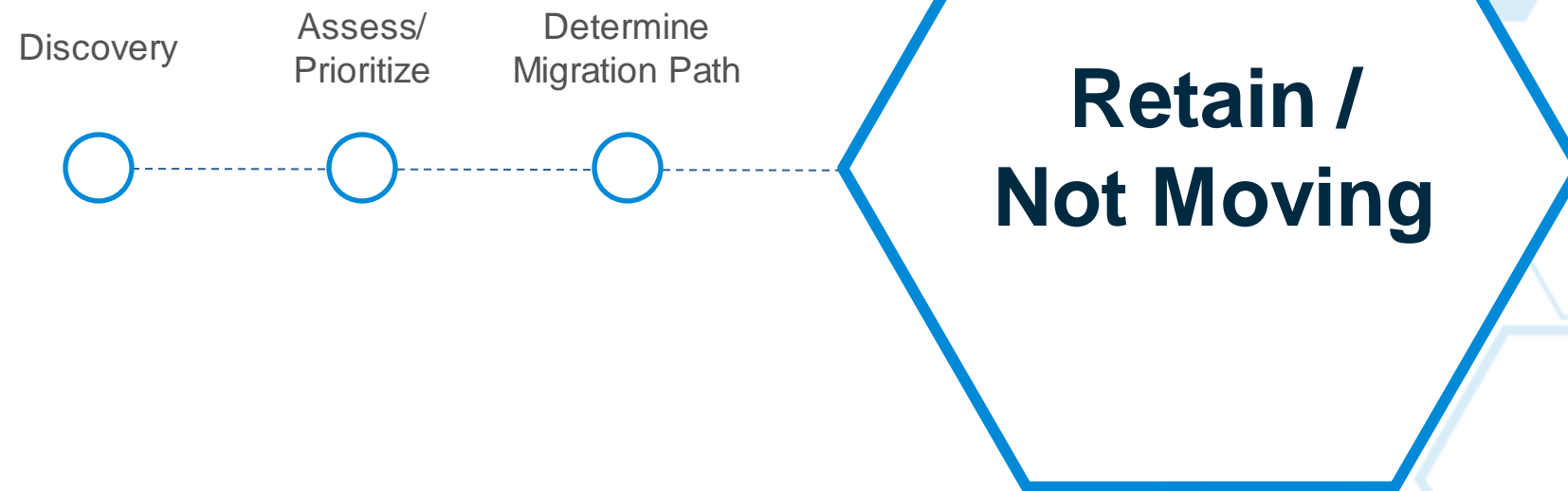
Modernization Example



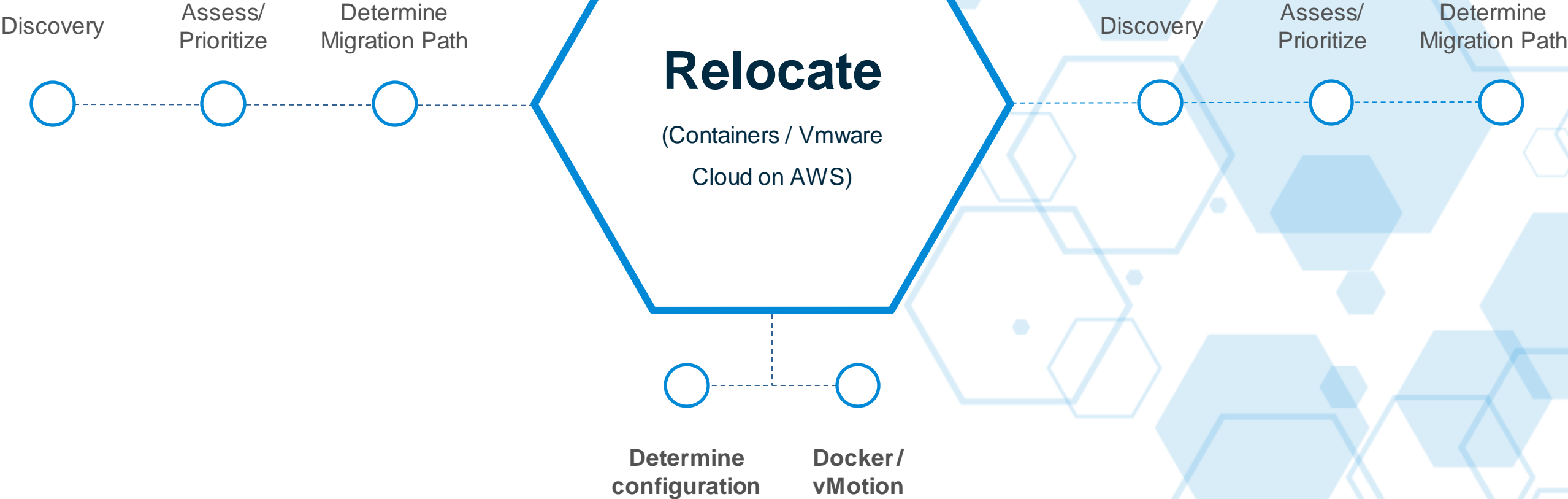
Migration Strategies: Retire



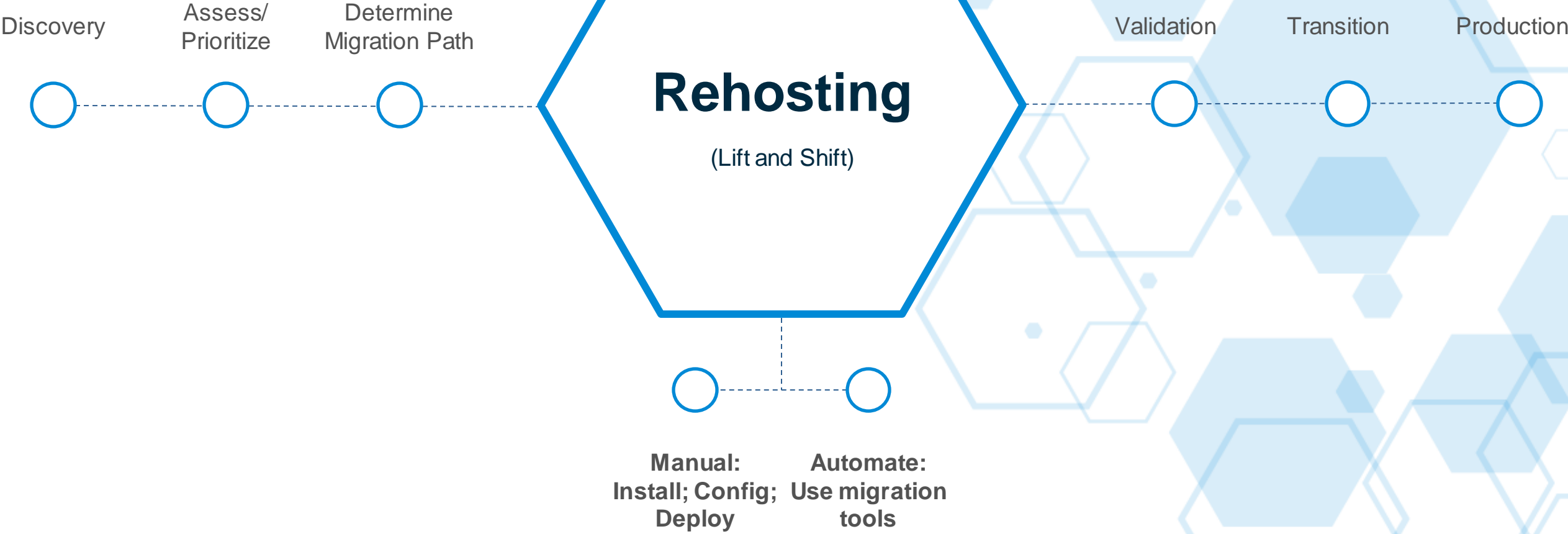
Migration Strategies: Retain



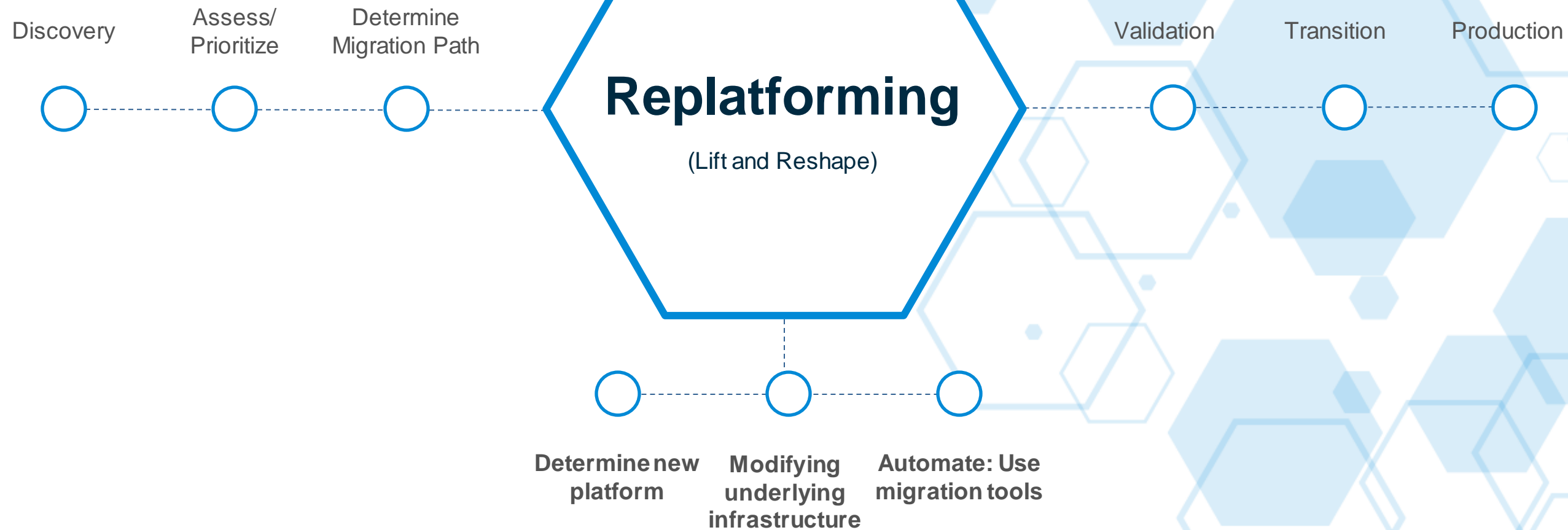
Migration Strategies: Relocate



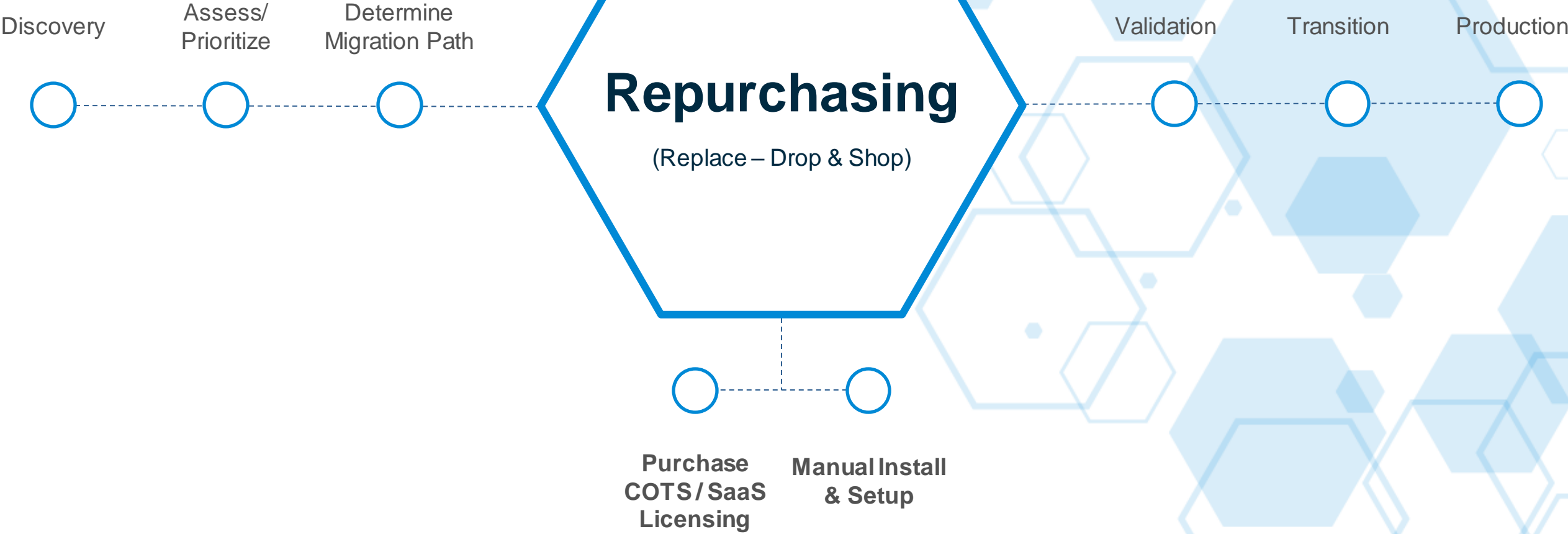
Migration Strategies: Rehosting



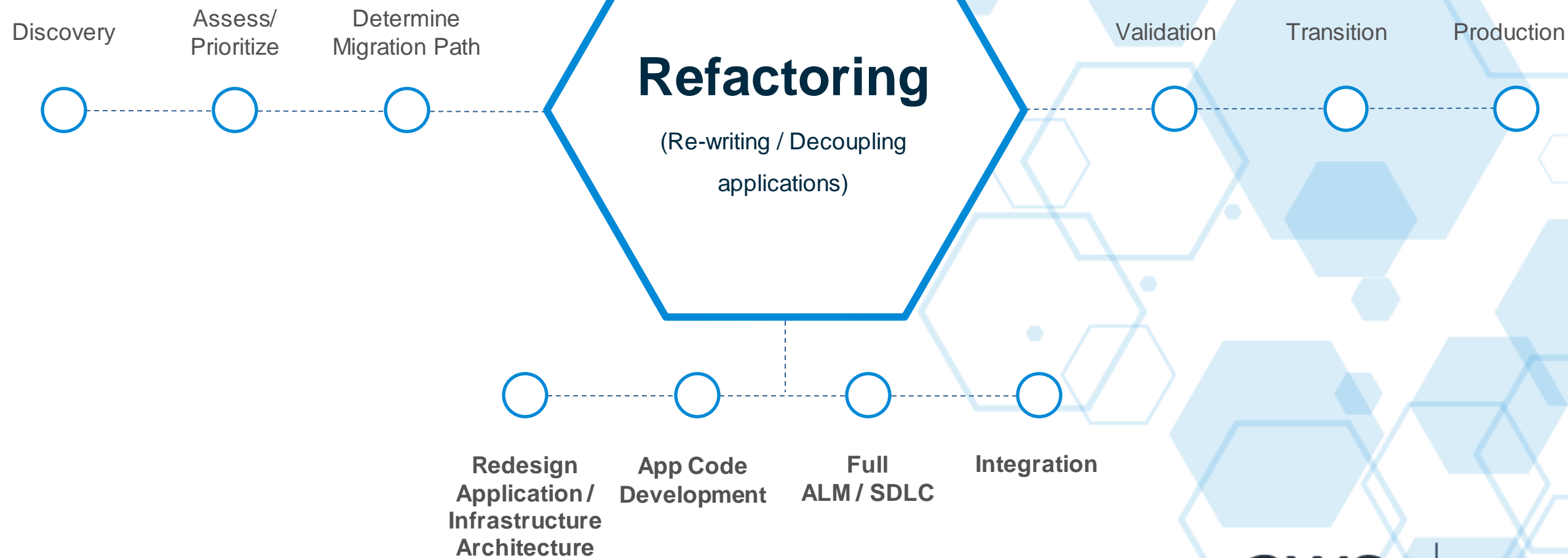
Migration Strategies: Replatforming



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

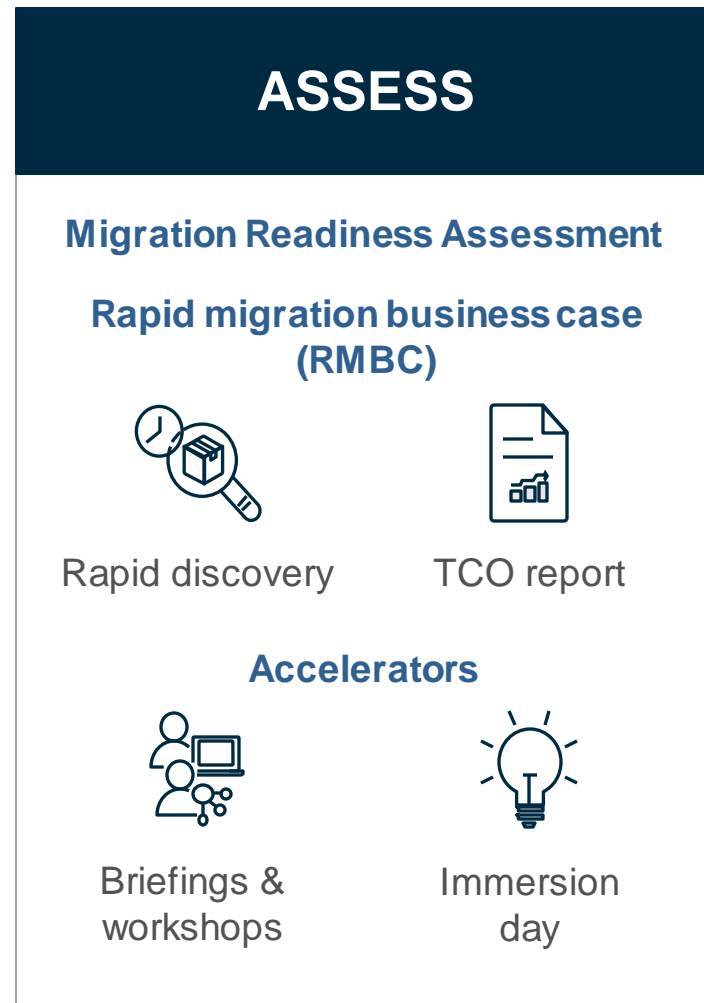
- High performance & scalability
- Purpose-built database services
- Licensing savings



SQL ➤ Aurora/DynamoDB/etc.



MAP Operationalize

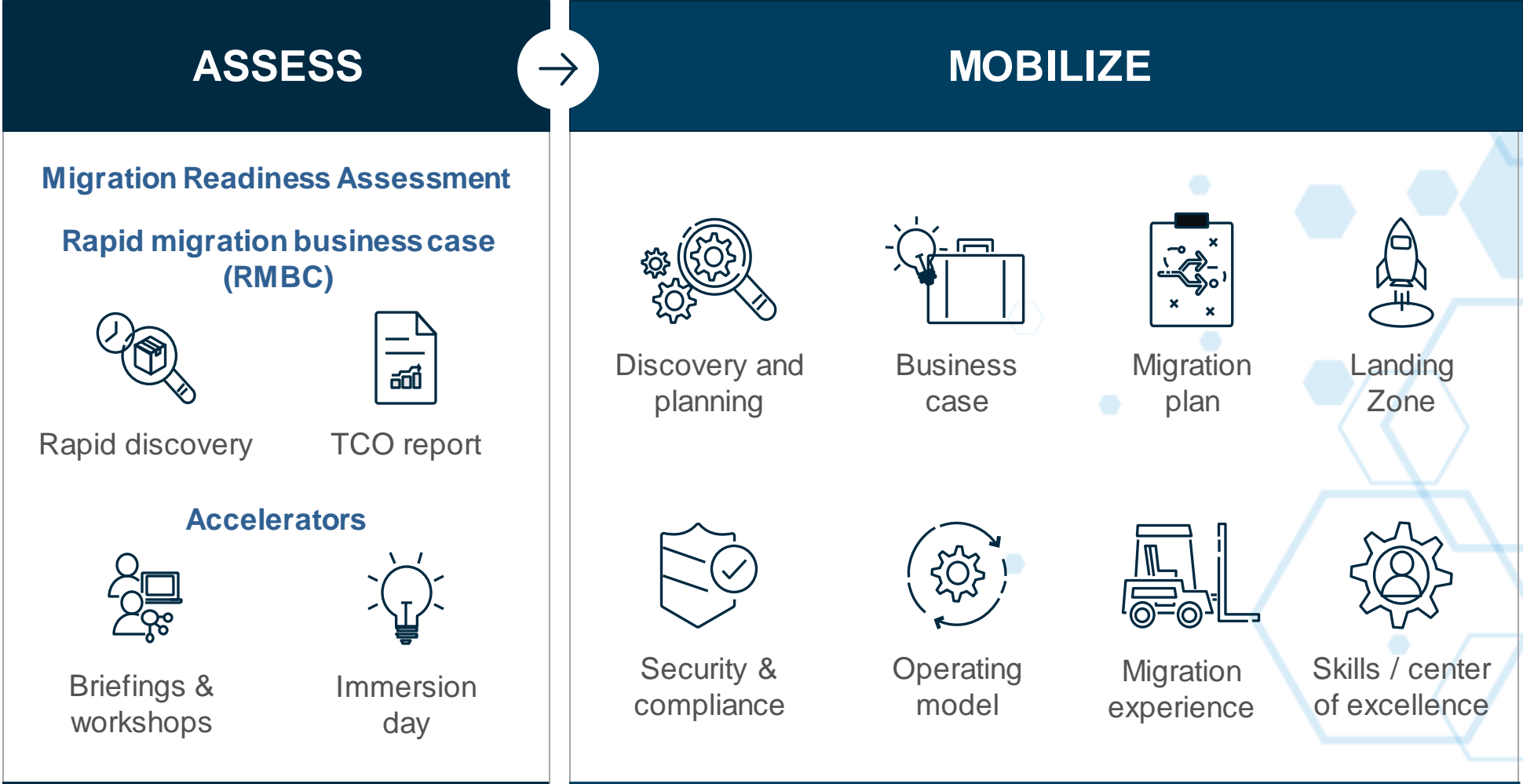


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DISCOVERY AND ASSESSMENT

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



MAP Operationalize



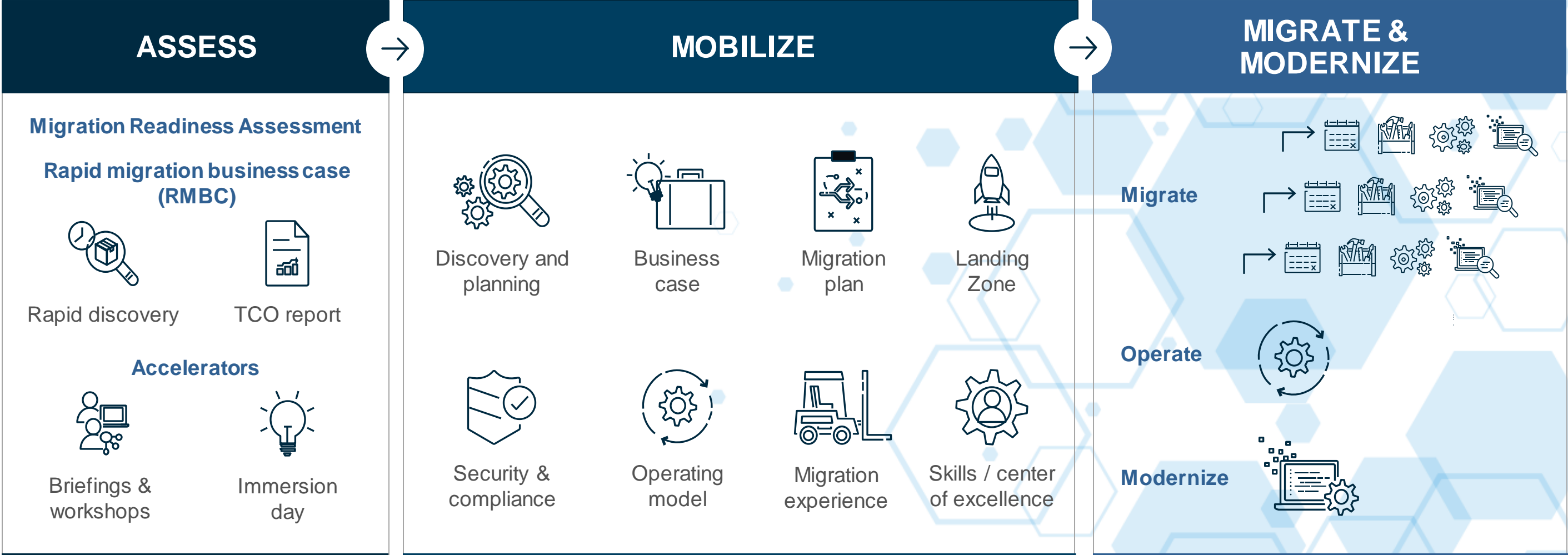
DISCOVERY AND ASSESSMENT

BUILD MOMENTUM AND GAIN EXPERIENCE

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



MAP Operationalize



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DISCOVERY AND ASSESSMENT

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BUILD MOMENTUM AND GAIN EXPERIENCE

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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.

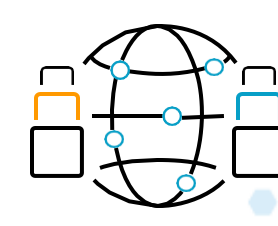
The Well-Architected Framework is based on six pillars:



Operational Excellence



Security



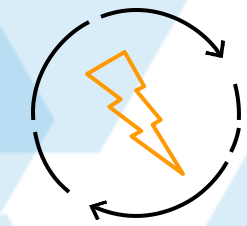
Reliability



Performance Efficiency



Cost Optimisation



Sustainability

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

\$5000 in AWS Usage Credits per workload improved with the assistance from an AWS Well-Architected Partner, Silicon Overdrive.



Thank You

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