

# Windows Server Migration



# Agenda

- Windows Server Migration
- The value of Microsoft on AWS
- Windows Server Migration Products
- Next Steps



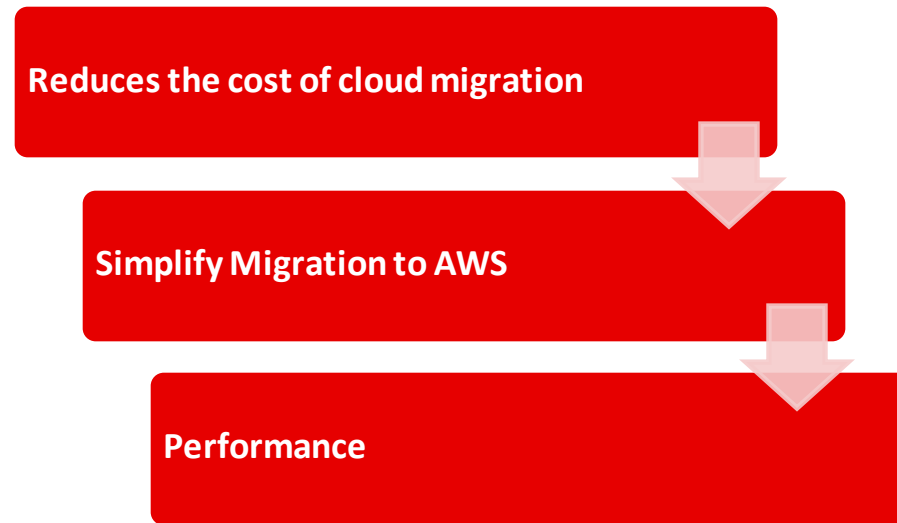
# Windows Server Migration

01



# Windows Server Migration

Unlock business value by discovering cost savings, better resource efficiency, increased operational resiliency and improved business agility with Windows on AWS



The Windows Server & MS SQL Migration Service from Vodacom Business allows you to migrate to AWS through an automated and scheduled process.



# The value of Microsoft in AWS

02



# The value of Microsoft in AWS

Most Experience

12+

Years running Windows workloads

Global Reach & High Availability

76

Available zones spanning

Security & Compliance

50+

Compliance Certifications  
HIPAA, FISMA, ITAR, EU

Customer Obsession & Innovation

210+

Service offerings

Capable of delivering Up to

80,000

IOPS/Instance With consistency

Improve TCO

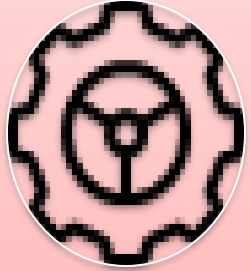
80+

Price reductions since 2006





# The value of Microsoft in AWS



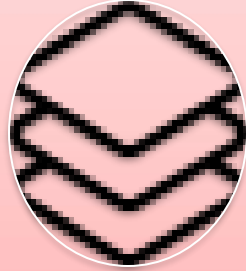
## Greater Reliability

AWS provides nearly 2x the number of regions with multiple availability zones vs next cloud provider. In 2018, the next cloud provider had 7x more downtime hours than AWS.



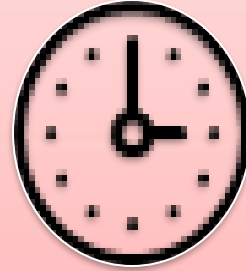
## Better Performance

AWS has a 2X-3X performance advantage running SQL Server, including storage, compute and networking vs next cloud provider.



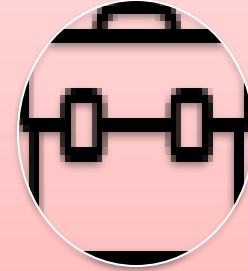
## Greater Security

AWS offers 210 security, compliance & governance services which is 40 more than next provider. AWS supports 89 security standards and compliance certify which is meaningfully more than any other cloud provider.



## Lower Cost/TCO

AWS helps lower overall Windows Server costs with a comprehensive family of EC2 instances and pricing models. AWS has reduced pricing 77 times 56% lower TCO over 5 years.



## More Innovation

AWS includes 48 services where comparable options are simply not available in next cloud provider. AWS offer innovative options to run managed AD, and managed SQL and has robust license mgmt. And DevOps capabilities.



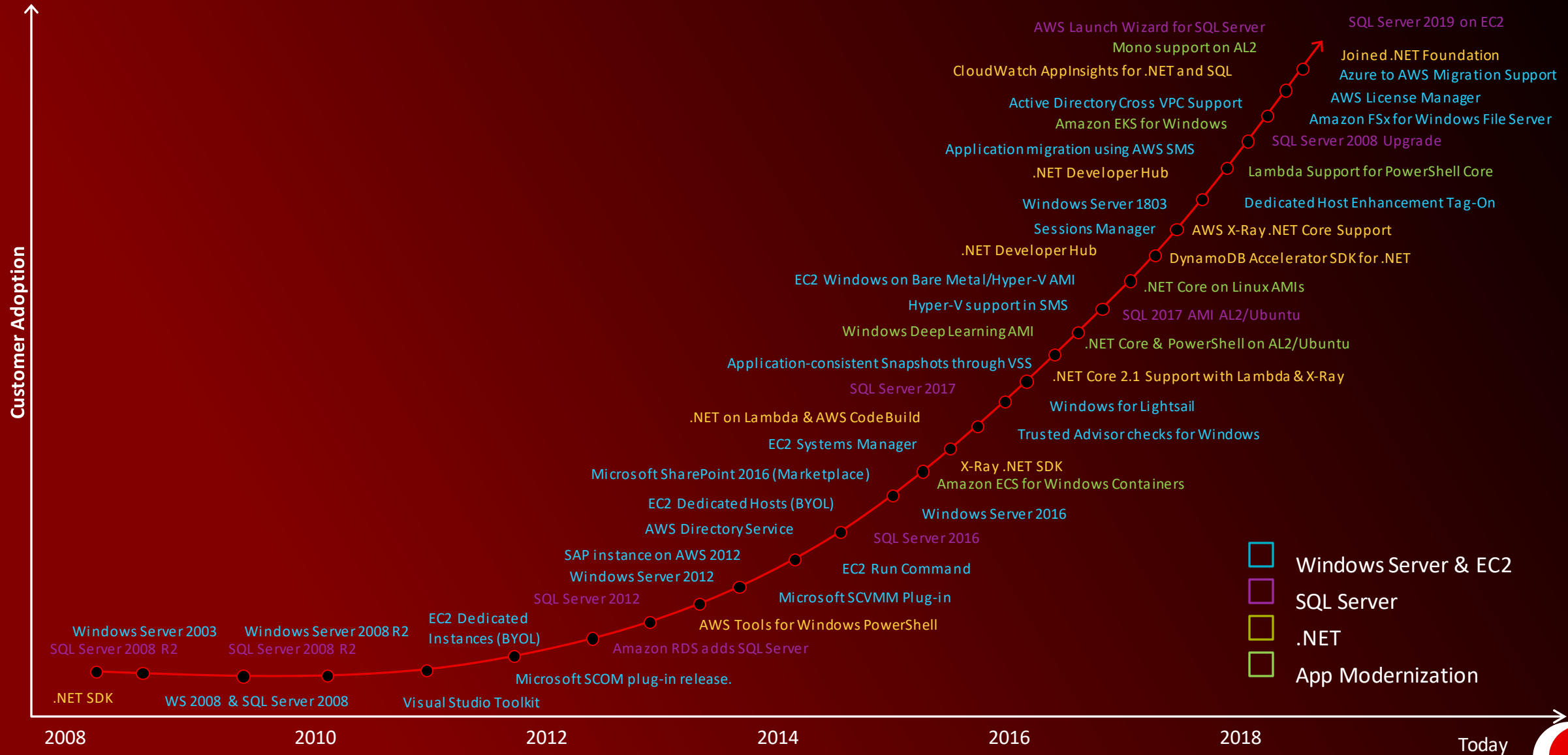
## More Experience

AWS has unmatched experience over the last 12 years deploying Microsoft Workloads. Recognized by IDC as the most extensive library of cases covering thousands of successful migrations.

Microsoft on AWS



# 12 YEARS OF INNOVATING FOR OUR CUSTOMERS





# Windows Server Migration Products

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# Reduce Total Cost of Ownership

## Move your Microsoft workloads to AWS and reduce cost

### WHY

- Customers are looking for options to reduce their Total Cost of Ownership (TCO) of running Microsoft workloads while leveraging elasticity, scale, and agility of cloud.
- Since customers have already made huge investments in perpetual licenses, our bring-your-own-license (BYOL) approach provides significant cost savings.

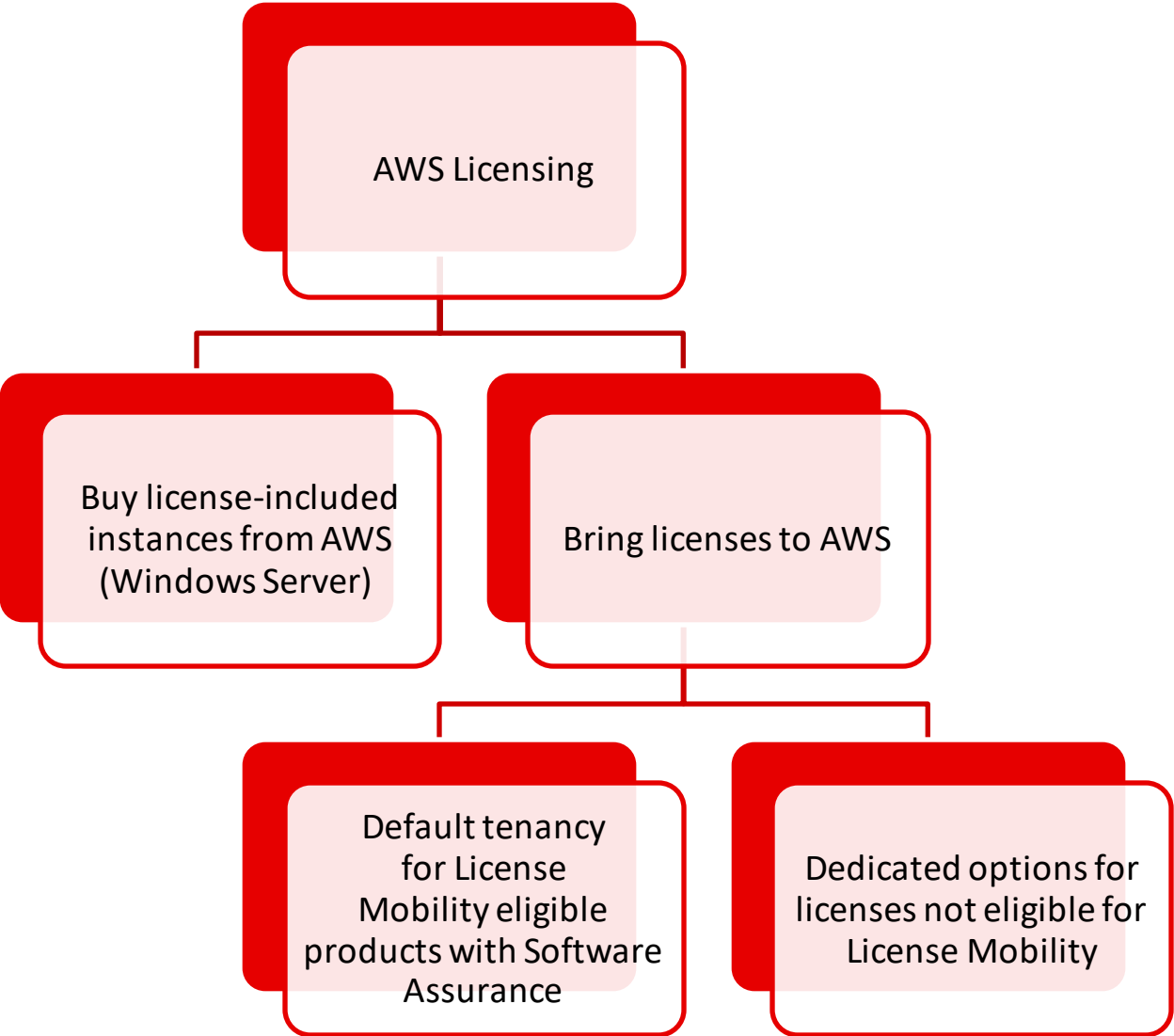
### CUSTOMER VALUE

With AWS, customers find not only agility and cost savings, but more rapid innovation, higher performance, and greater reliability.

- Run an Optimization and Licensing Assessment (OLA)
- Get started with AWS License Manager
- Use EC2 Dedicated Hosts
- Bring your own licenses (BYOL) to AWS
- Use Savings Plans



# Flexible Microsoft Licensing Options



# Migration Products – AWS SMS

By using AWS SMS to manage your server migrations, you can:

Simplify the cloud migration process.

Orchestrate multi-server migrations.

Test server migrations incrementally:

Support the most widely used operating systems.

Minimize downtime.



# Security through End of Support

## Address Windows Server 2008/2008 R2 End of Support

### WHY

On January 14, 2020, Microsoft ended support for Windows Server 2008 and 2008 R2. Enterprise customers running these workloads now face increased exposure to security and compliance issues. Our competition forces customers to either pay expensive extended support costs or delay upgrading their Windows operating server instances.

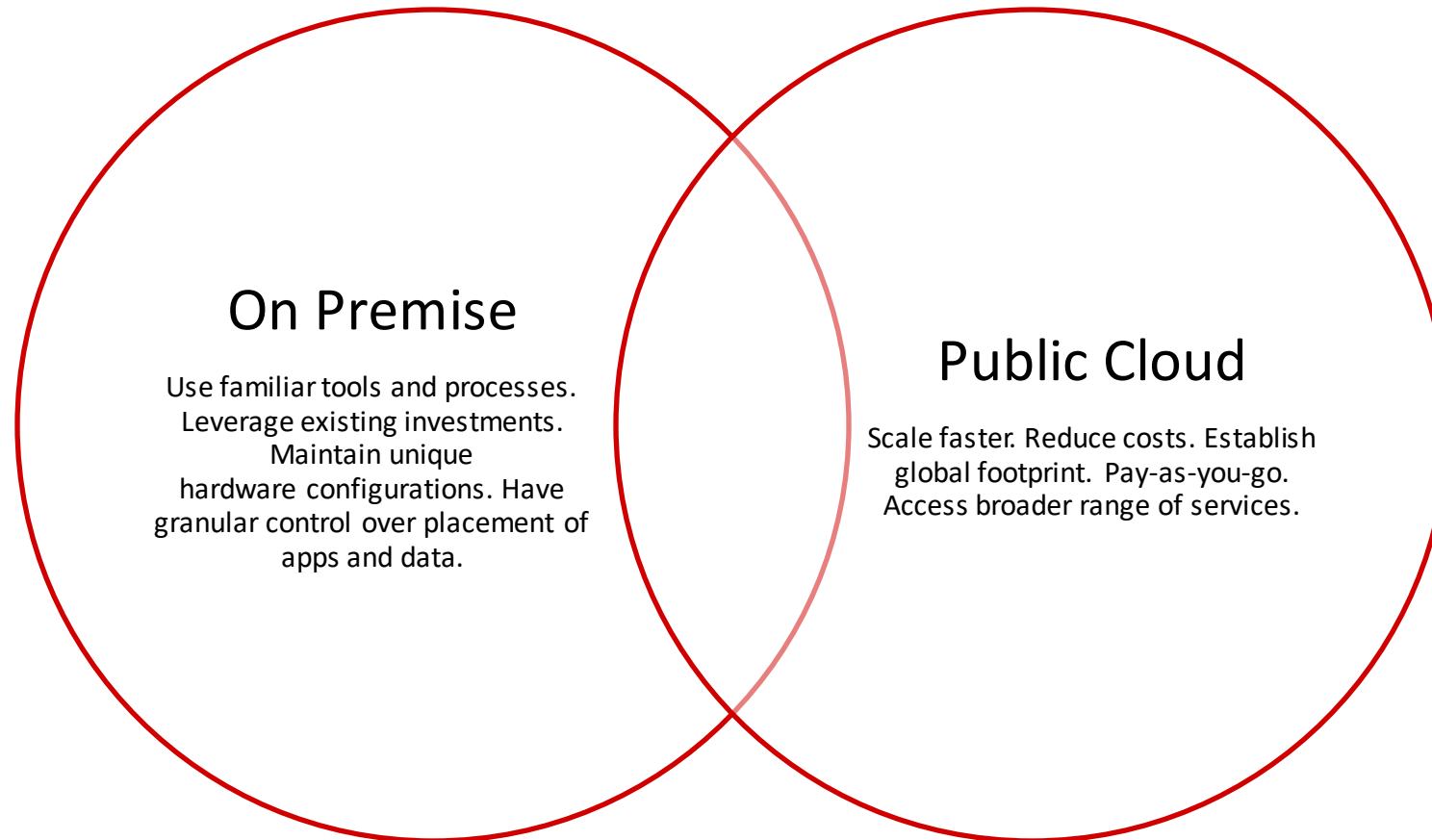
### CUSTOMER VALUE

Customers can future proof their investments, make use of existing licensing and avoid vendor lock-in by moving their Windows Server workloads to AWS. Get started by taking advantage of the AWS End-of-Support Migration Program (EMP) for Windows Servers.



# Flexibility of Migrating

As customers move to the cloud, they are looking for ways to get the best of both worlds without buying new hardware.





# Migration Products – AWS SMS

## How it works.



**Easy to get started**



**Control**



**Agility**



**Cost-effective**



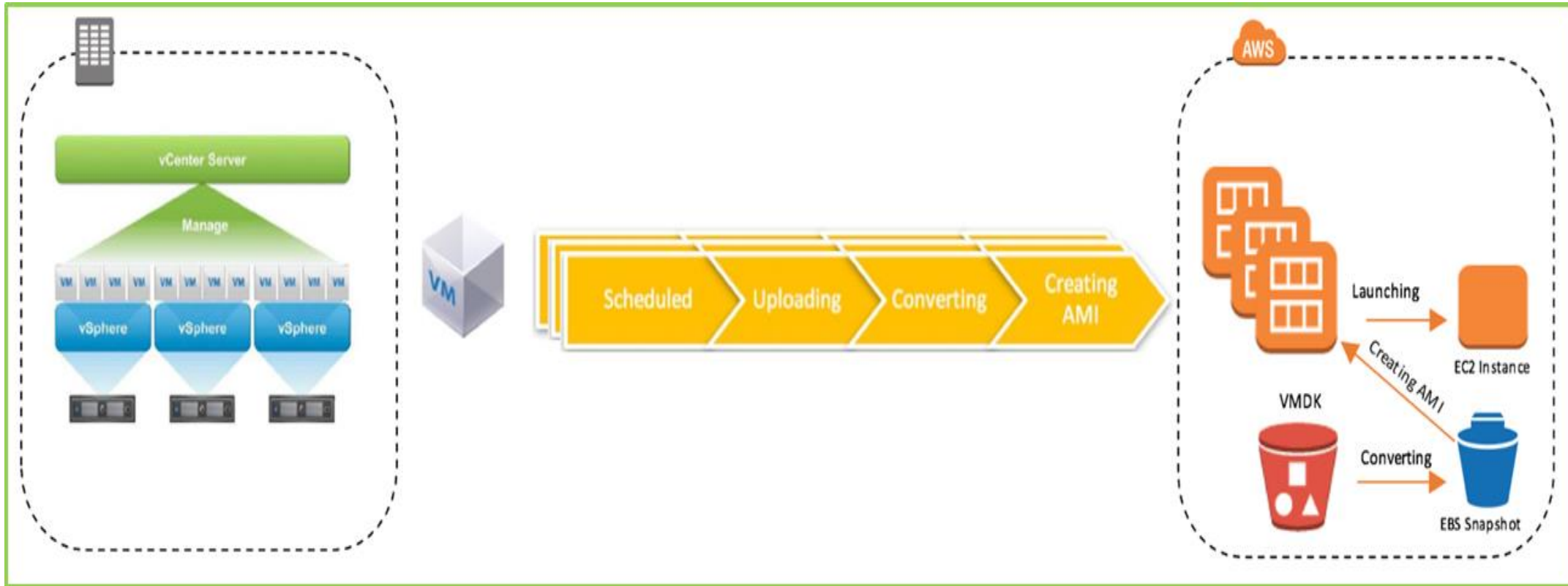
**Minimize downtime**

**By using AWS SMS to manage your server migrations, you can:**

- Simplify the cloud migration process.
- Orchestrate multi-server migrations.
- Test server migrations incrementally.
- Support the most widely used operating systems.
- Minimize downtime.

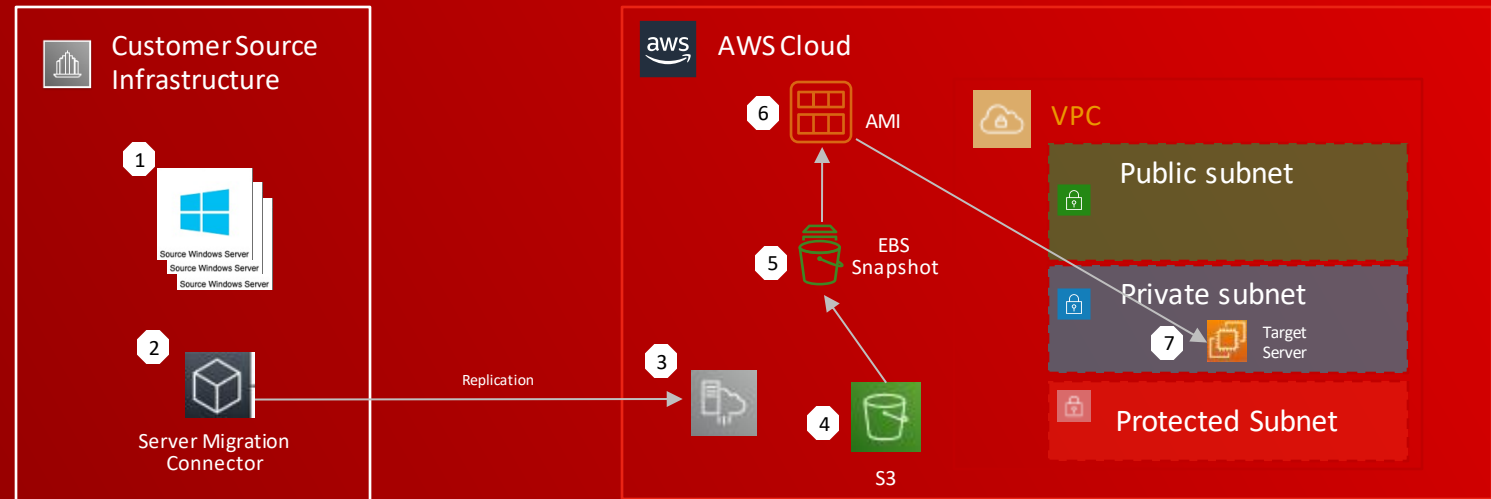


# AWS SMS Migration



# AWS SMS - High Level Architecture

- AWS migration Service (SMS) is an agentless service, which makes it easier and faster for you to migrate thousands of on-premises workloads to AWS.
- AWS SMS allows you to automate, schedule, and track incremental replications of live server volumes, making it easier for you to coordinate large-scale server migrations



# AWS Application Migration Service (MGN)

04



# Application Migration Service Benefits

## Decrease Migration Costs

AWS Windows Migration Accelerator includes best practices and tools to help you reduce the cost of your migration. You can also receive AWS Promotional Credits to offset costs of simultaneously running two environments during migration.

## Simplify and Expedite Migration

AWS Application Migration Service allows you to migrate applications to AWS without changes and with minimal downtime. AWS Windows Migration Accelerator offers AWS Promotional Credits when you migrate at least 40 servers to help you reach your migration goals faster.

## Reduce Risk

AWS Windows Migration Accelerator encourages you to set a more predictable migration schedule and allows you to better plan for costs for the 50-70% of your portfolio that can typically be rehosted. This way, your migration can be completed on time and within budget, and you can focus on more complex workloads and modernization.



# Migrate servers to AWS with AWS Application Migration Service

Use AWS Application Migration Service to rehost applications and data without changes and with minimal downtime, allowing faster time to production.



You can immediately take advantage of in-cloud benefits, such as elasticity and increased security.



Modernizing applications is easier once they are in the cloud and can use the technology available on AWS.



The Cloud Migration Factory on AWS can help you coordinate and automate large-scale migrations to AWS. AWS Professional Services or an AWS partner can be engaged to assist you if needed.



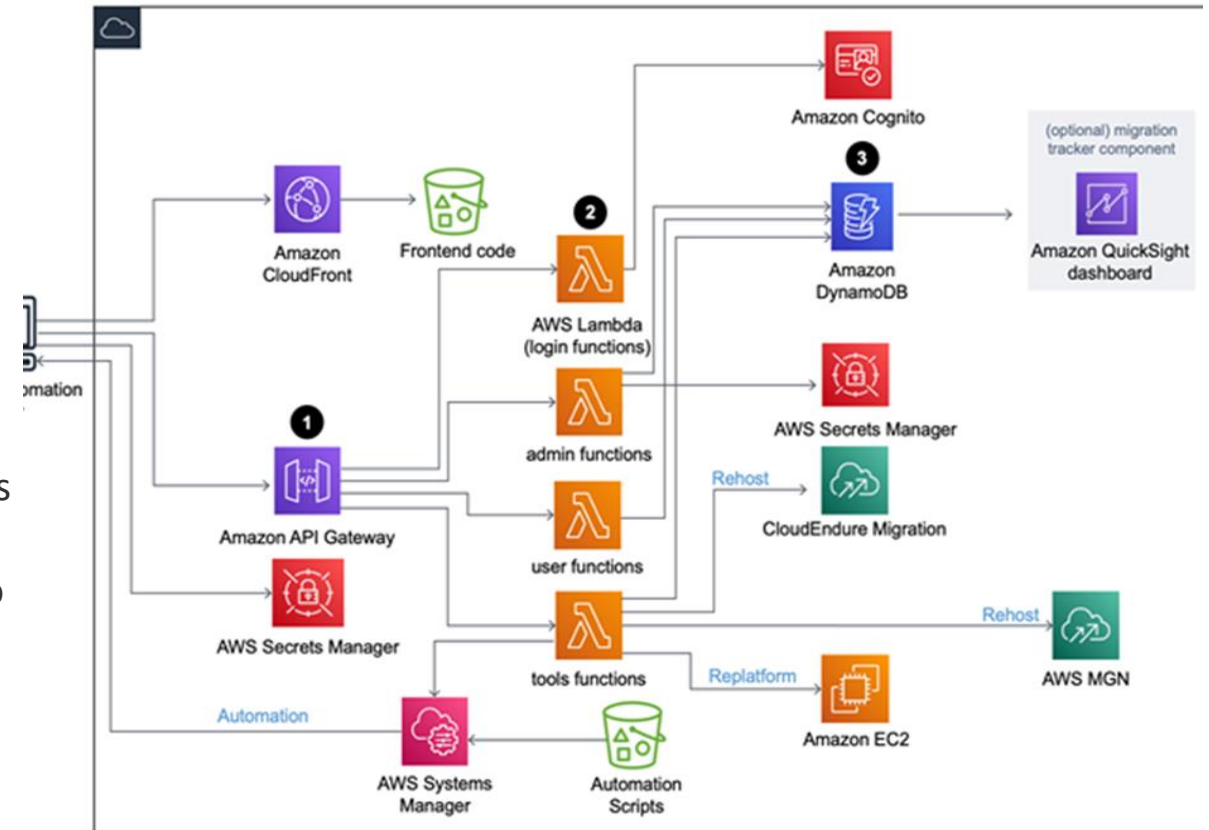


# When to Choose AWS Application Migration Service

AWS Application Migration Service (AWS MGN) is the primary service recommended to migrate your applications to AWS.

With Application Migration Service, you can migrate your applications from physical infrastructure, VMware vSphere, Microsoft Hyper-V, Amazon Elastic Compute Cloud (Amazon EC2), Amazon Virtual Private Cloud (Amazon VPC), and other clouds to AWS. Technical details.

This solution is an orchestration platform powered by AWS Application Migration Service for re-hosting servers to AWS at scale. The solution is designed to coordinate and automate many of the manual processes involved with migration, helping customers with their medium-scale to large-scale migrations.

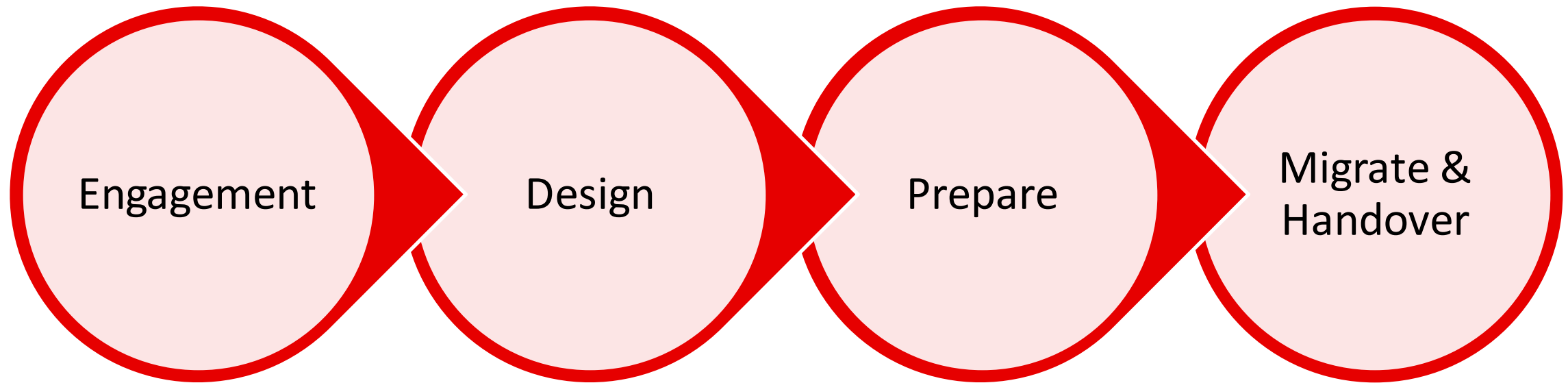


# Next Steps

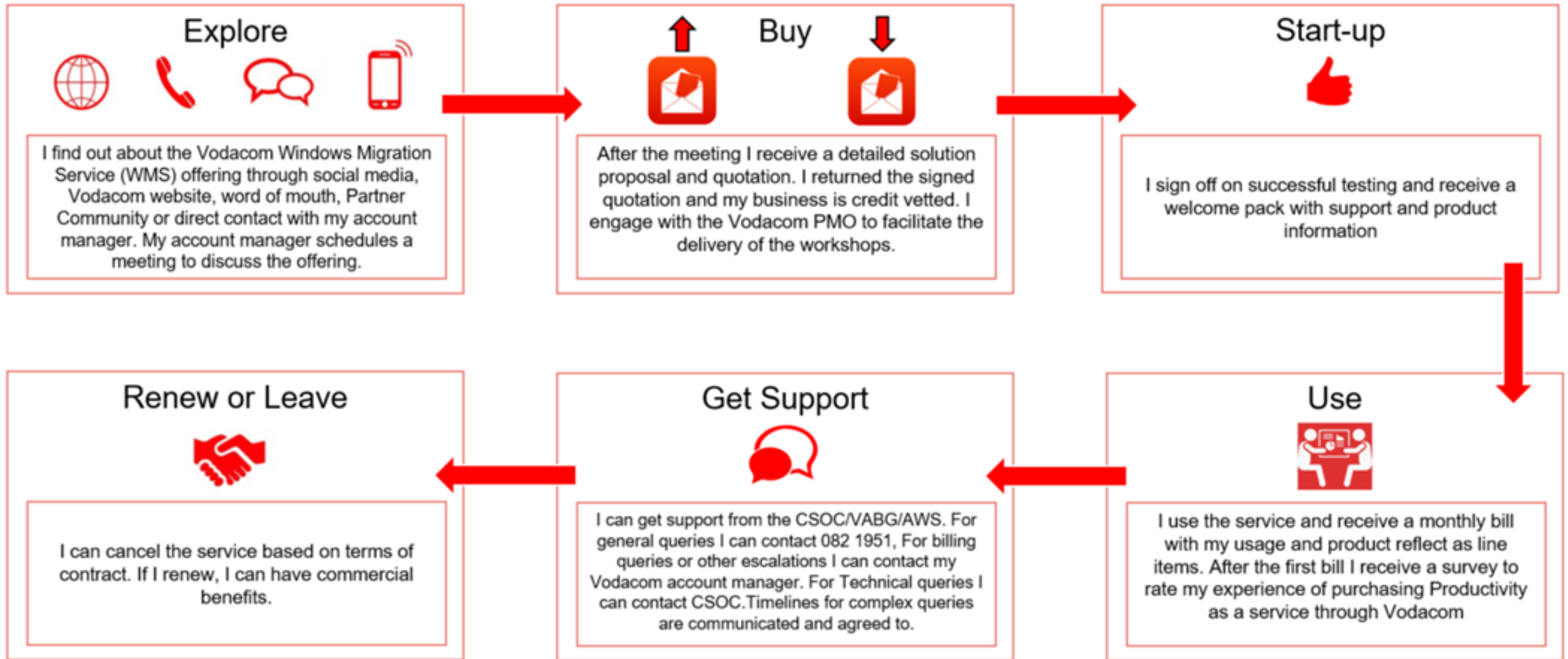
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# Next Steps – Cloud Migration on AWS



# Customer Journey





**vodacom**  
business

Further together