



PUBLIC SECTOR
SUMMIT ONLINE

Speed matters: How to rapidly deploy hybrid architectures on AWS

Eric Scholz

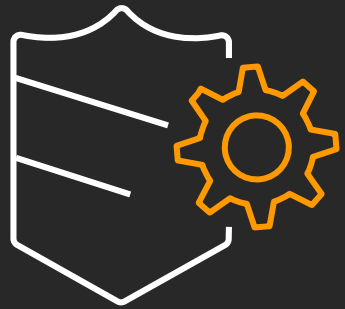
Principal Solution Architect

Amazon Web Service

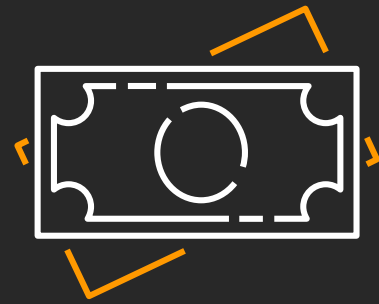
Agenda

- Advantages of the cloud
- Benefits of hybrid cloud
- Migrations and modernizing
- Hybrid cloud with VMware Cloud on AWS
 - Customer stories
- Hybrid cloud with AWS Outposts
 - Customer story
- Getting started
- Summary

Advantages of moving to the cloud



Agility and
security



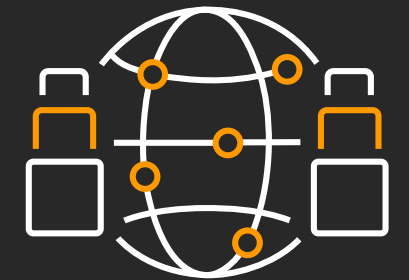
Cost savings



Elasticity



Innovate faster



Deploy globally
In minutes

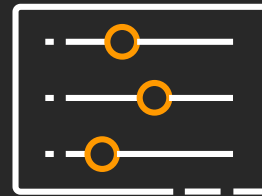
Benefits of hybrid cloud



Operational
consistency



Existing skillsets
and tools



Simple to
control,
manage, secure



Enterprise-class
app SLA



Build once,
deploy anywhere

Hybrid cloud on AWS

Backup
and
DR

Dev and
Test

Cloud
Migration

Cloud
Bursting

Data
Center
Extension

Edge
and
IoT

Management, Monitoring, and Operations

AWS CloudFormation, CloudWatch, CloudTrail, AWS Config, Systems Manager

Data Integration

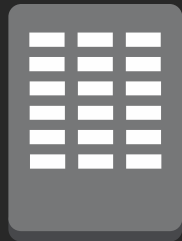
Storage Gateway, Amazon S3, Amazon EBS Snapshots, Amazon RDS, Snowball, Glacier, Route 53, MQ, ELB

Security and Identity

IAM, Directory Services

Networking

AWS DirectConnect, VPN, VPC

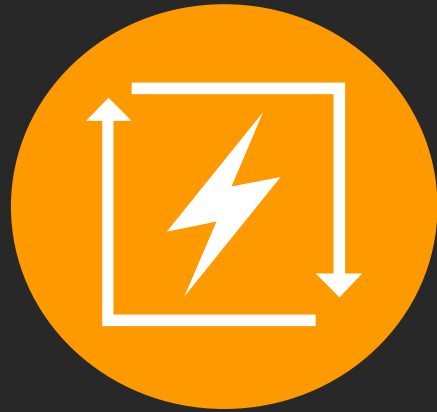


On-premises
Data Center

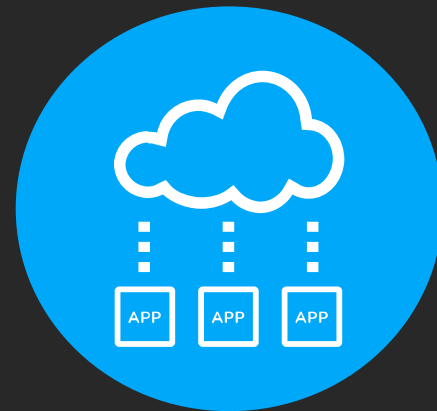
VMware
Cloud
on
AWS



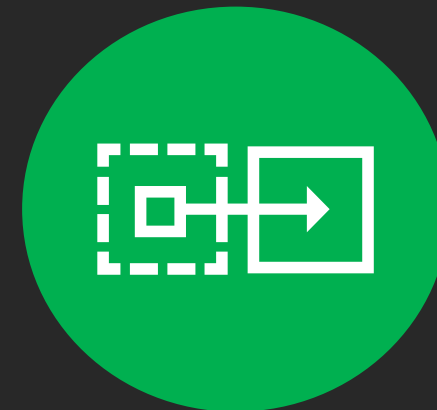
Speed matters in your business



Disaster recovery

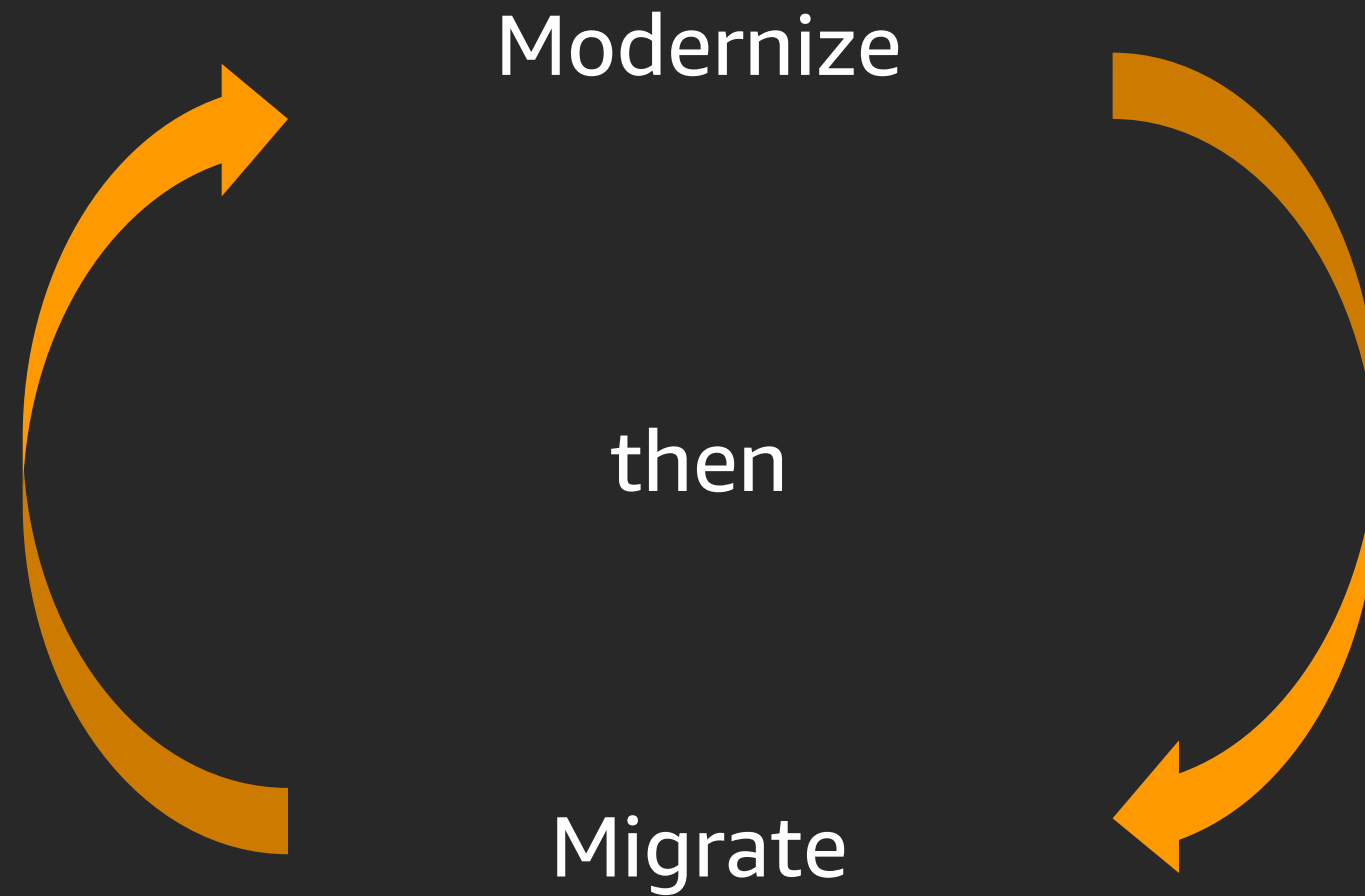


Migrate legacy applications



Moving data

Has this been a difficult choice for you?



VMware Cloud on AWS



Connectivity

AWS Direct Connect
L2 VPN
L3 VPN/IPsec
ENI to AWS services

High availability and reliability

Stretch cluster
Elastic DRS



Security

Distributed Firewall

Storage
vSAN with
Instance Store
and Amazon EBS

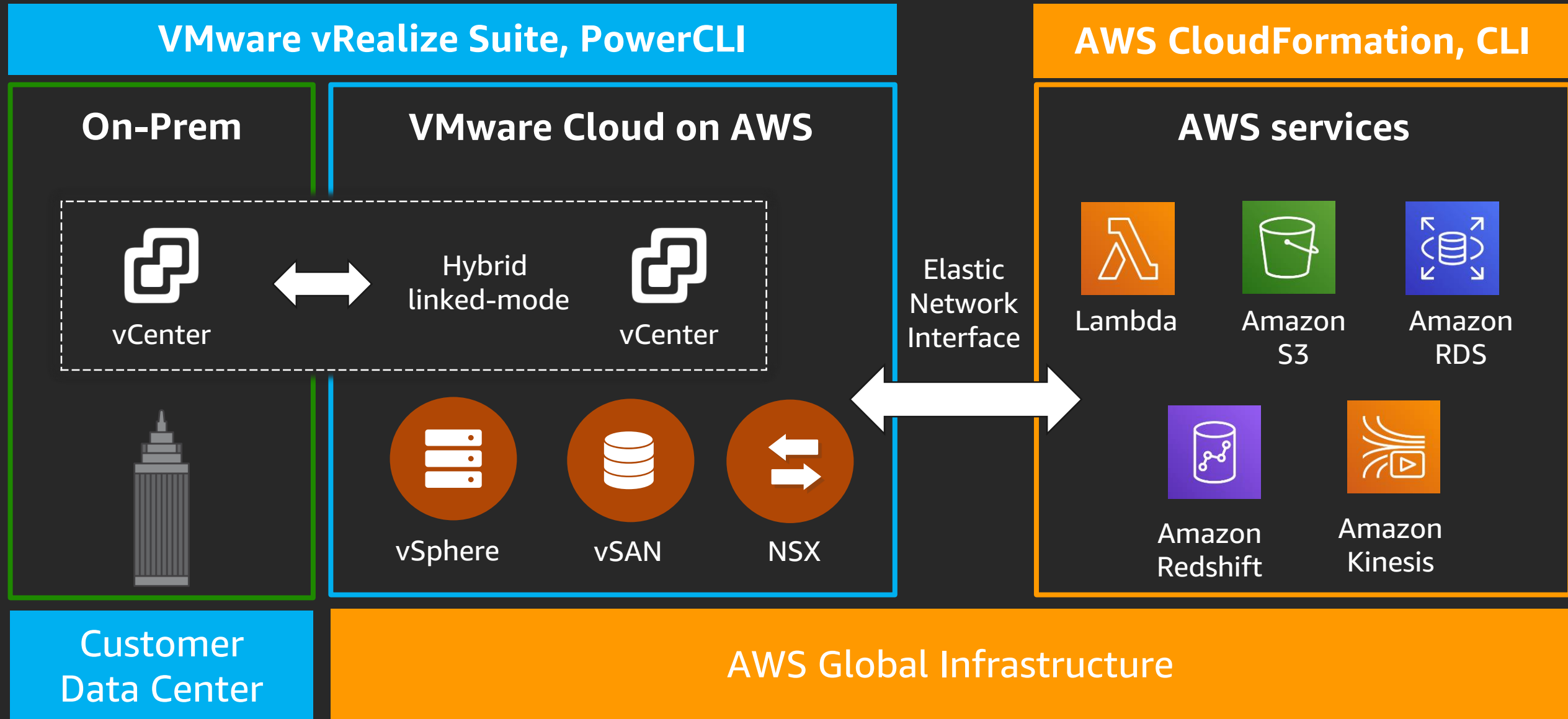


Integration

Access to
AWS services

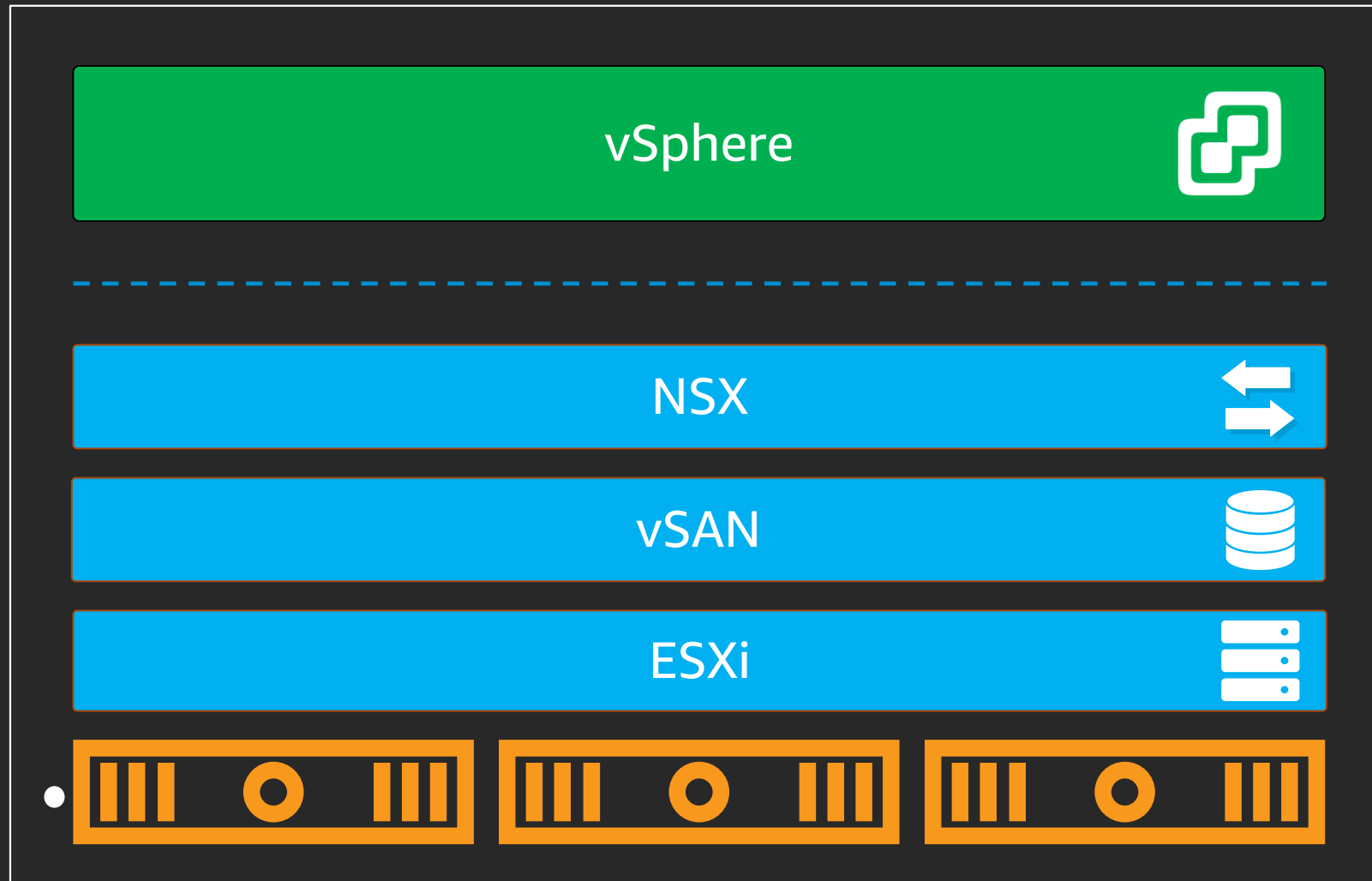


VMware Cloud on AWS hybrid and integration connectivity



VMware Cloud on AWS – components

Software Defined Data Center (SDDC)



Financial services



All in on cloud with ~600 applications migrated to VMware Cloud on AWS

Healthcare

A large healthcare company recently migrated to VMware Cloud on AWS in order to provide thousands of VM based VDIs for remote healthcare professional's workstations due to agility and ability to burst to meet demand



Education



West Windsor Plainsboro School District was able to migrate their critical workloads to VMware Cloud on AWS in a week without the need to re-platform or re-architect.

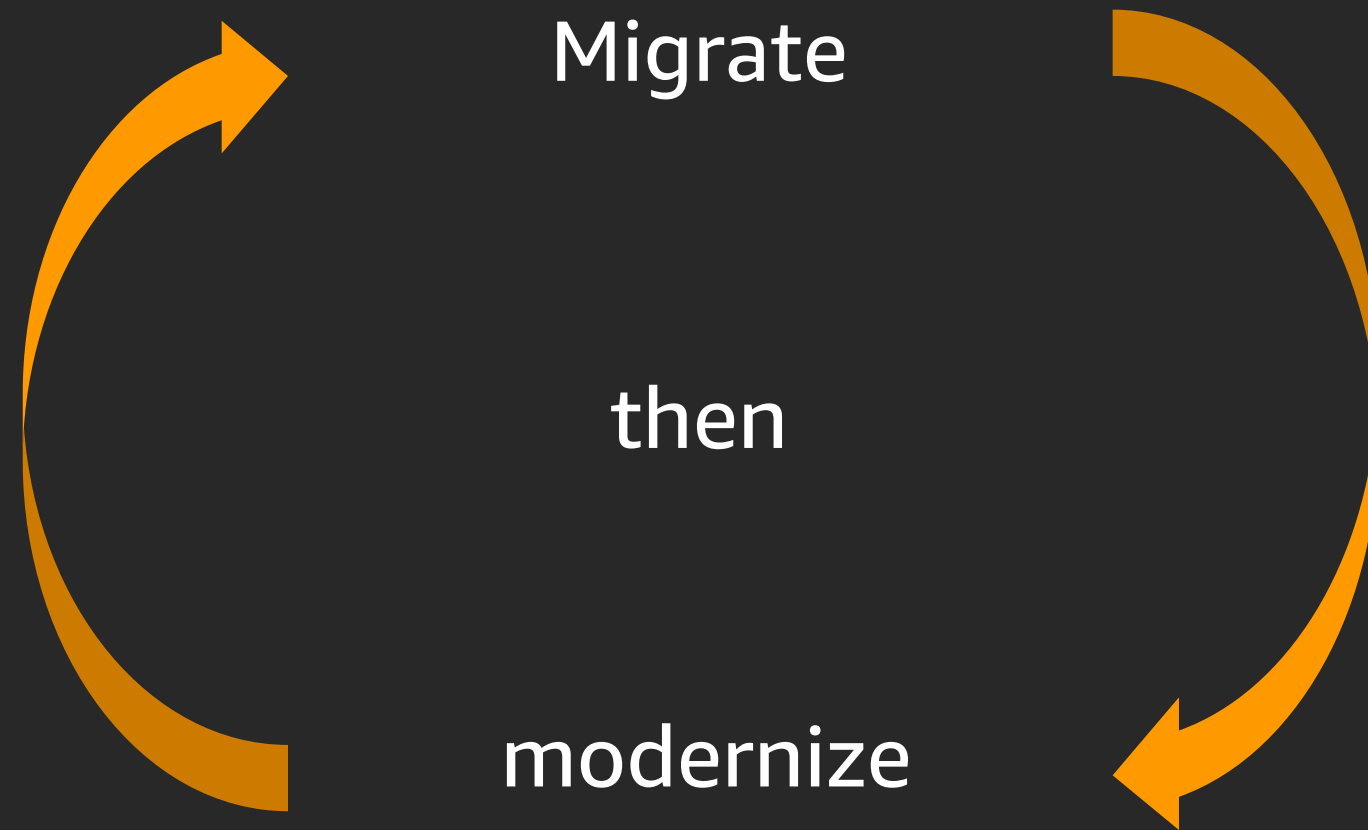
VMware Cloud on AWS GovCloud (US)



& vmware®

Launched in June 2019 in the AWS GovCloud (US) West Region

Remember this dilemma?



AWS Outposts

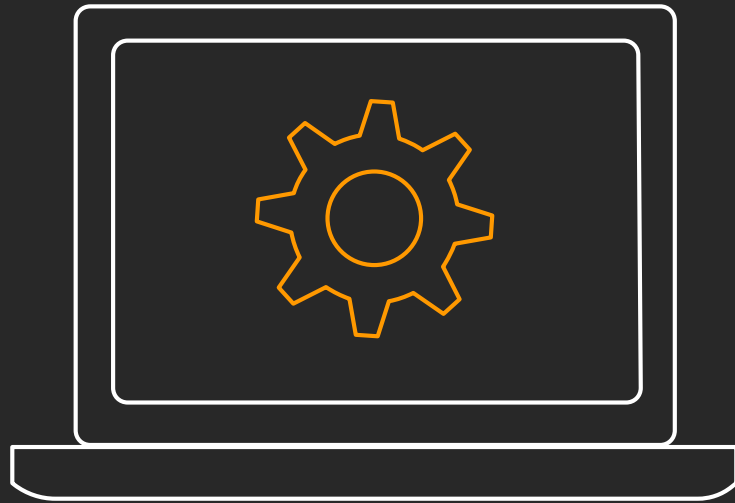
Same AWS infrastructure and services on-premises



- Consistent AWS experience with AWS designed infrastructure for security and performance
- Seamlessly extend AWS services to your premises and access regional AWS services
- Fully managed and updated as part of AWS Regions, with a single point of service and support

Build once, deploy anywhere

With the same AWS APIs and tools as in the AWS Region



Amazon EC2 Auto Scaling Groups

AWS CloudFormation

CloudWatch

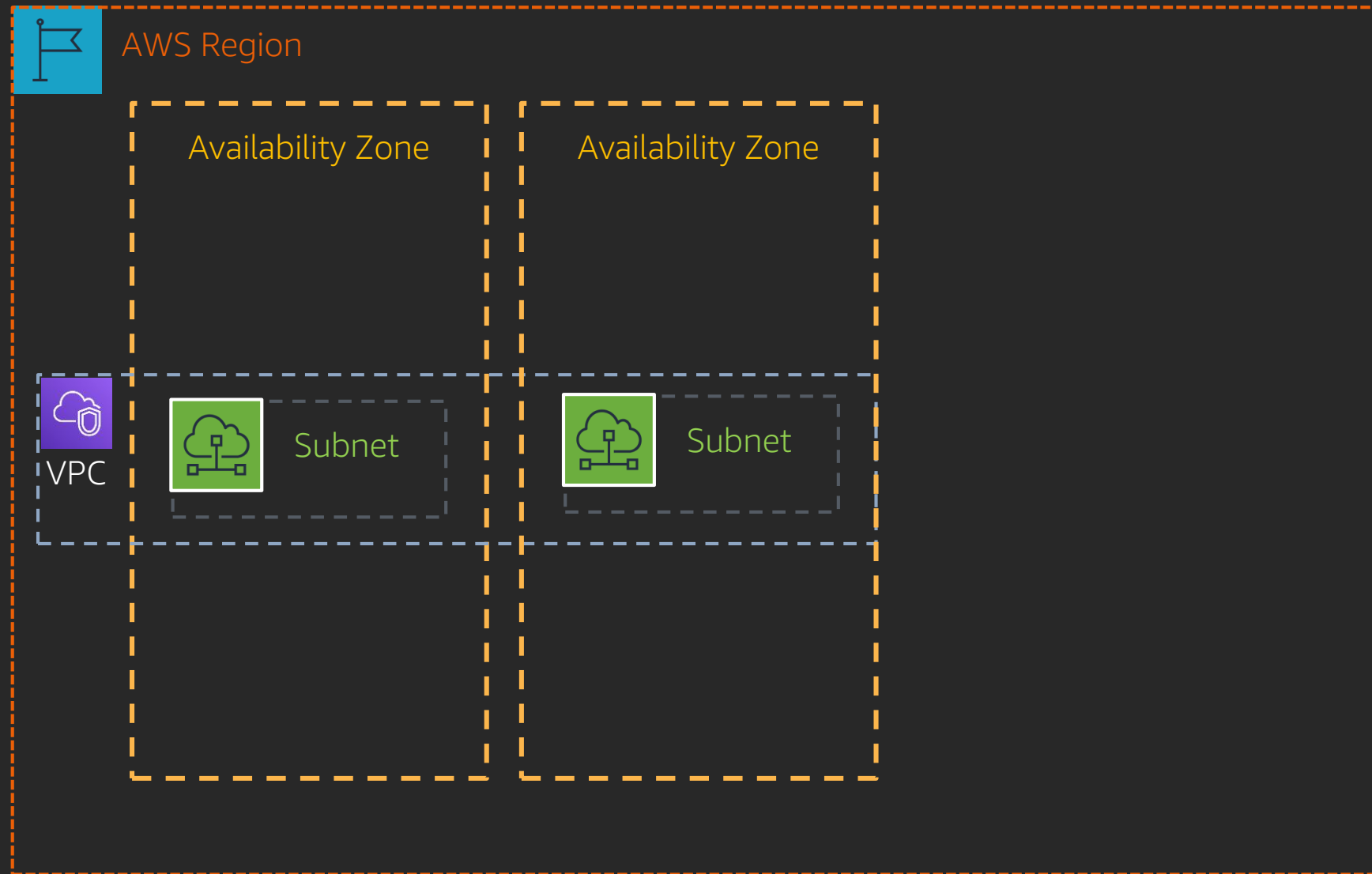
CloudTrail

Elastic BeanStalk

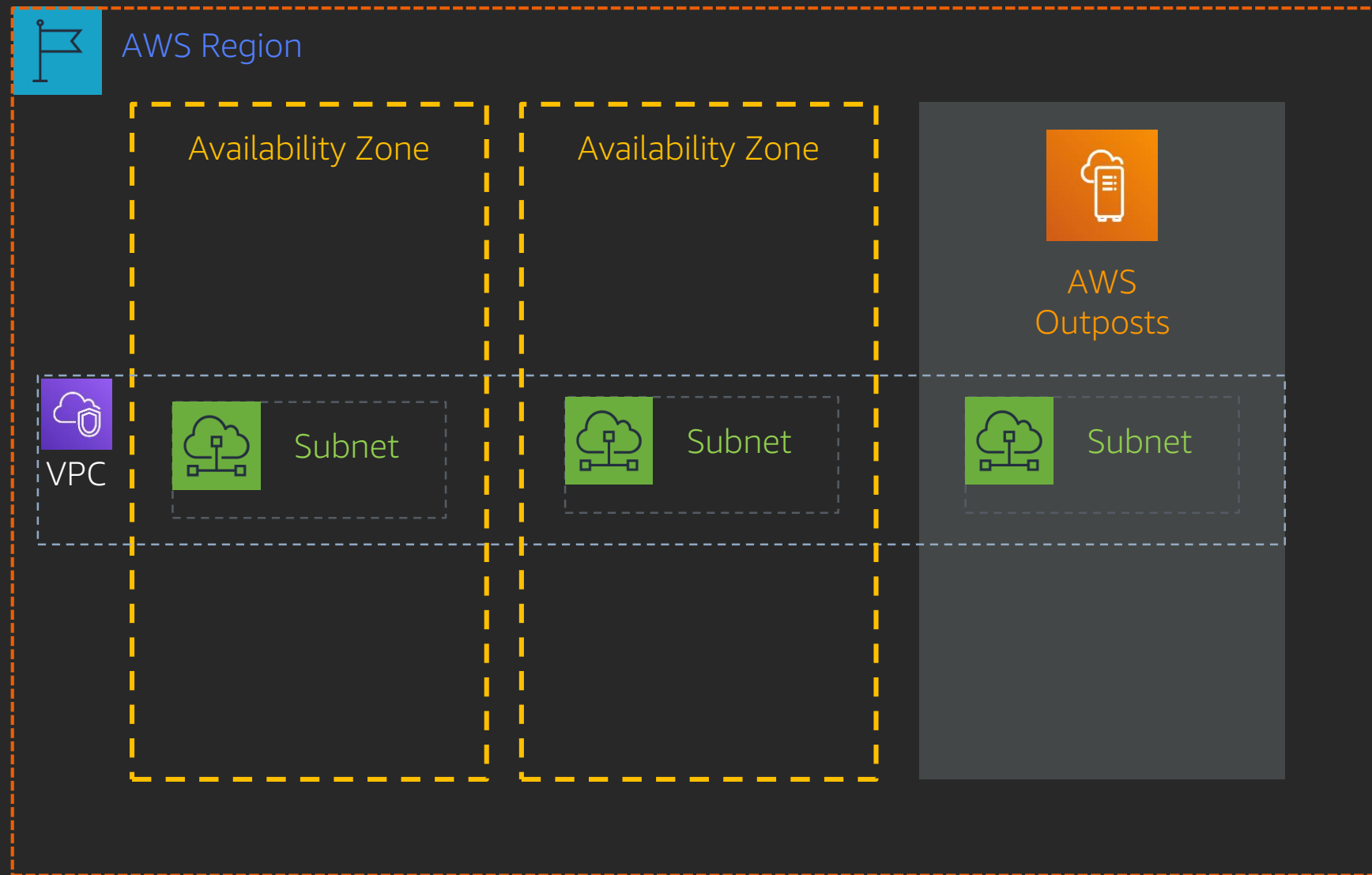
Cloud9

and more...

Seamlessly extend your regional VPC

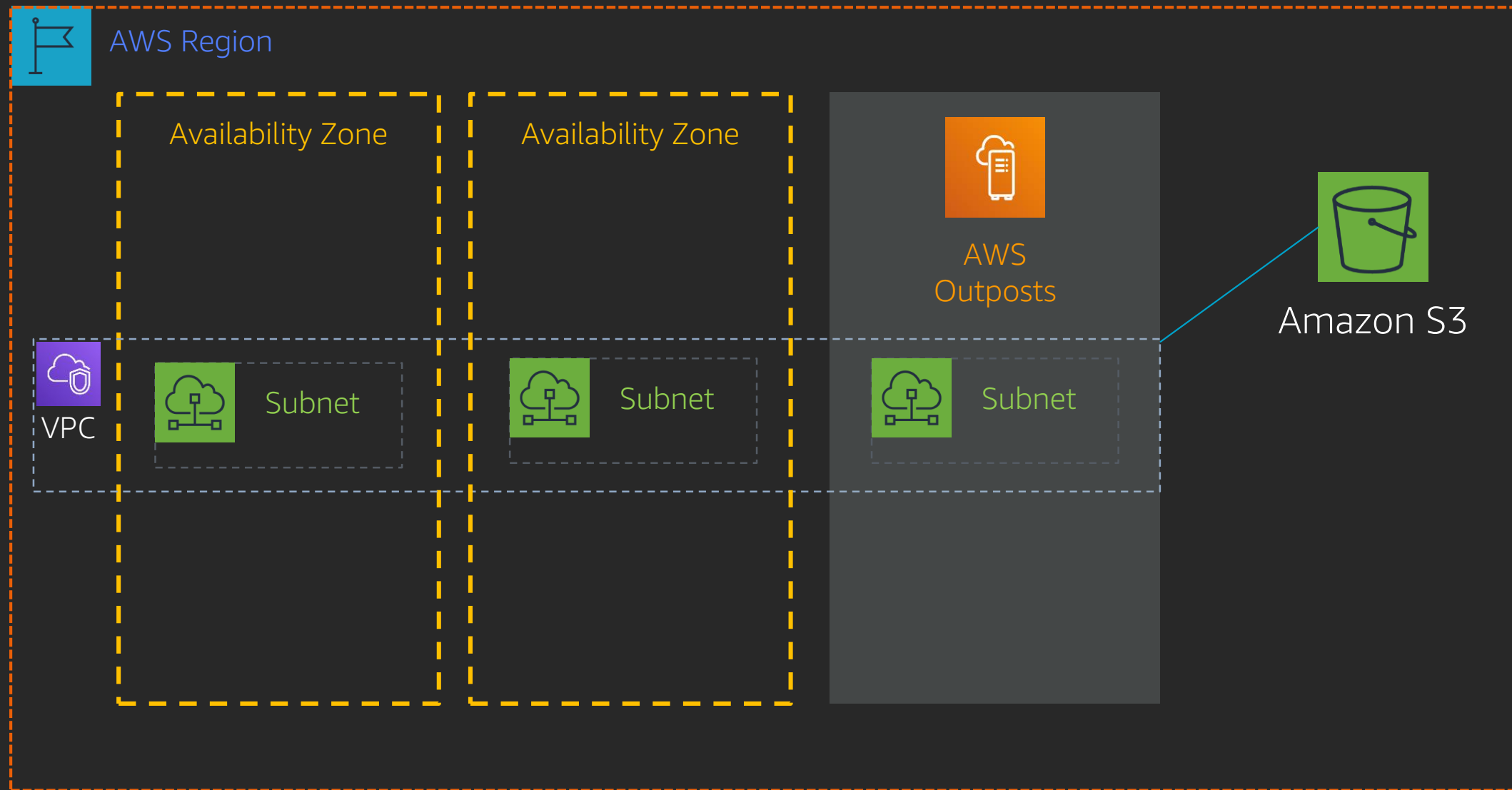


Seamlessly extend your regional VPC

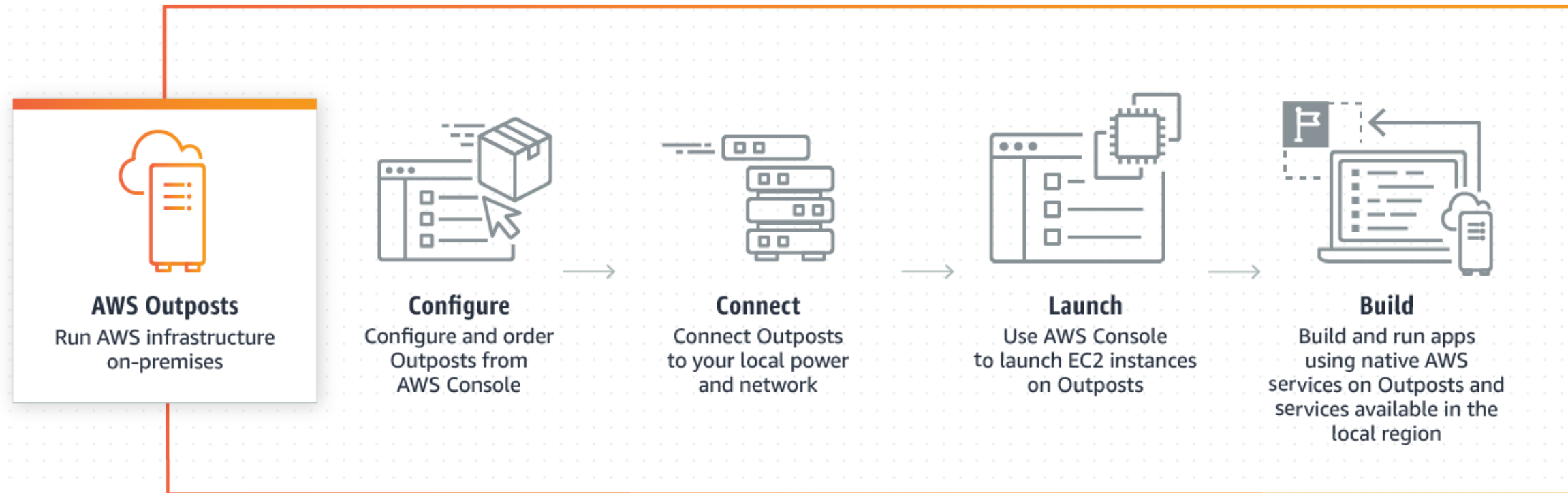


Instances in the Outpost can securely talk to other instances in the VPC via private IP addresses

Seamlessly extend your regional VPC



AWS Outposts – How it works



Customer use case



Philips used AWS Outposts to process local data quickly in order to provide immediate responses to healthcare professionals on the health of their patients

Get more information on VMware on AWS

If you have questions, we have answers...

You can find more information by reading the VM Ware on AWS documentation at:

<https://aws.amazon.com/vmware/>

If you would like to reach out to the VMware on AWS team, send an email to:

teamvmc@amazon.com

You can find more information by reading the AWS Outpost documentation at :

<https://aws.amazon.com/outposts/>

Summary

- The cloud offers you agility, scalability, and innovation, with reduced cost
- Hybrid cloud lets you migrate with consistent tooling with scalability backed by the AWS Cloud
- Speed matters, find ways to migrate faster while reducing risk
- VMware on AWS: the tools you are used to, AWS Cloud services you want
- AWS Outposts give you AWS infrastructure and APIs in your datacenter

Thank you!

Eric Scholz