



PUBLIC SECTOR  
SUMMIT ONLINE

# Course goals

## Goals

- Value proposition
- Global infrastructure
- Key services
- Security and compliance
- Architecture
- Pricing
- Support

## Audience

- Sales
- Legal
- Marketing
- Business analysts
- Project managers
- Other IT-related professionals

# Course modules

1. Introduction to the AWS Cloud
2. Getting started with the cloud
3. Building in the cloud
4. Secure your cloud applications
5. AWS pricing, support and architecting

**AWS**OME DAY  
ONLINE CONFERENCE

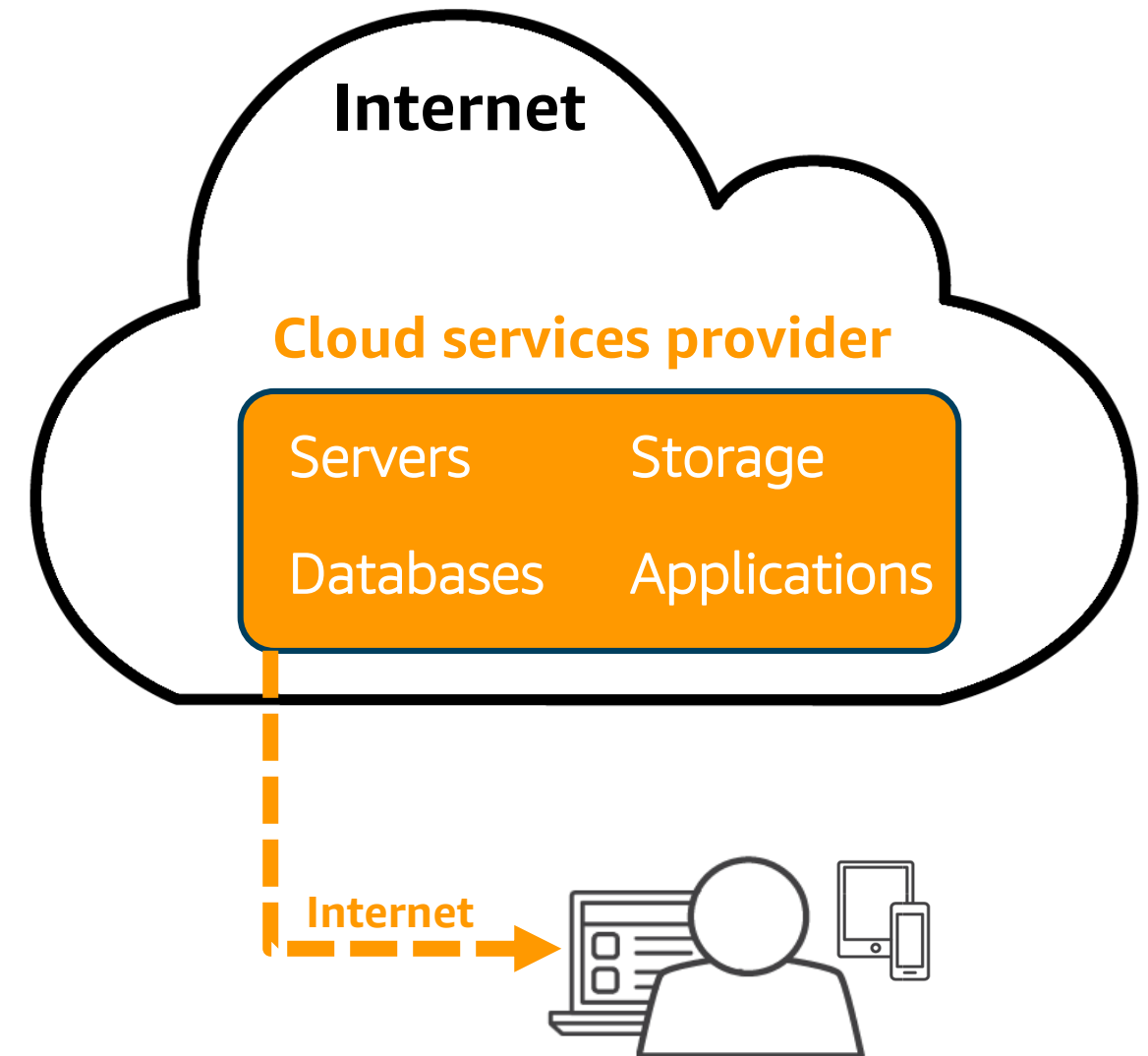
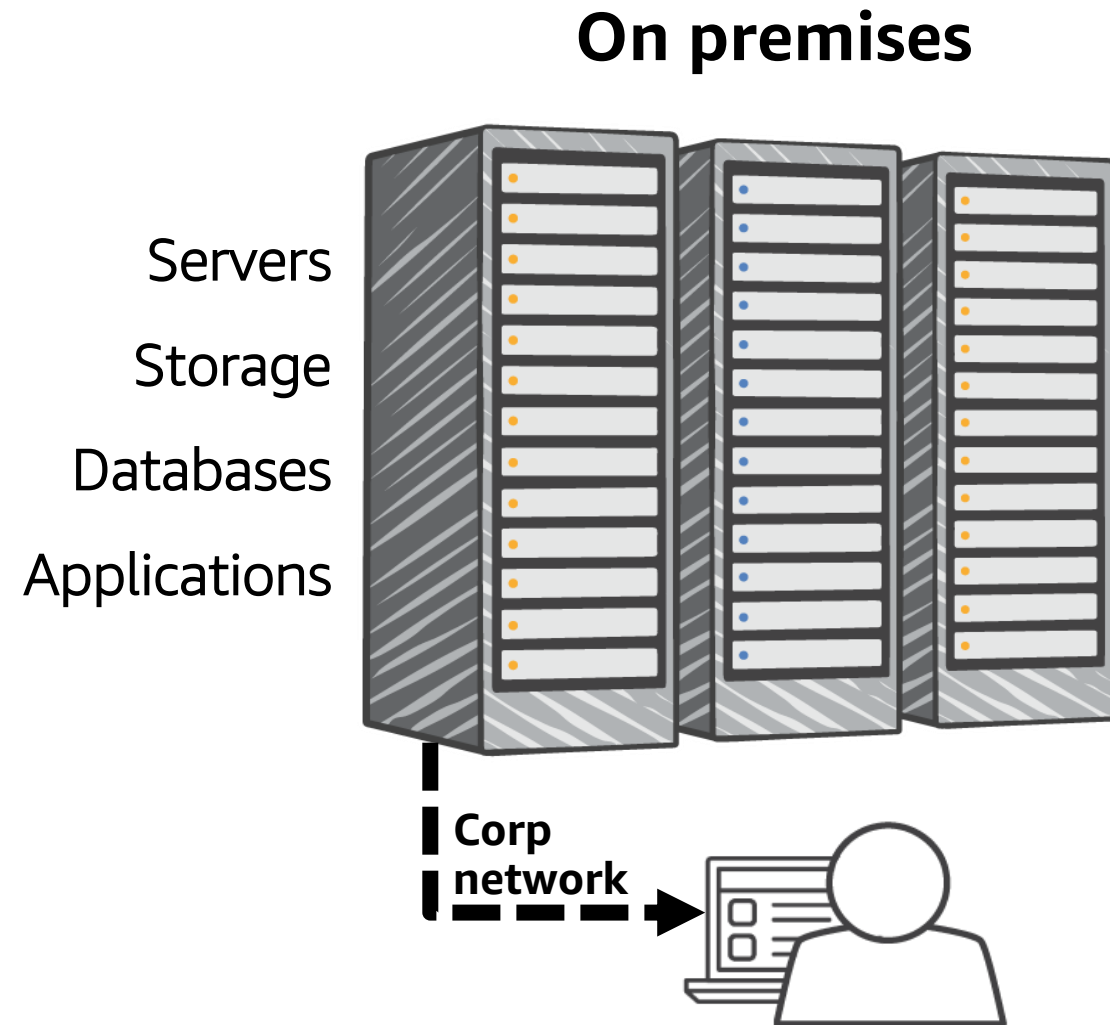
# Module 1: Introduction to the AWS Cloud

Patrick Do  
Technical Trainer  
AWS



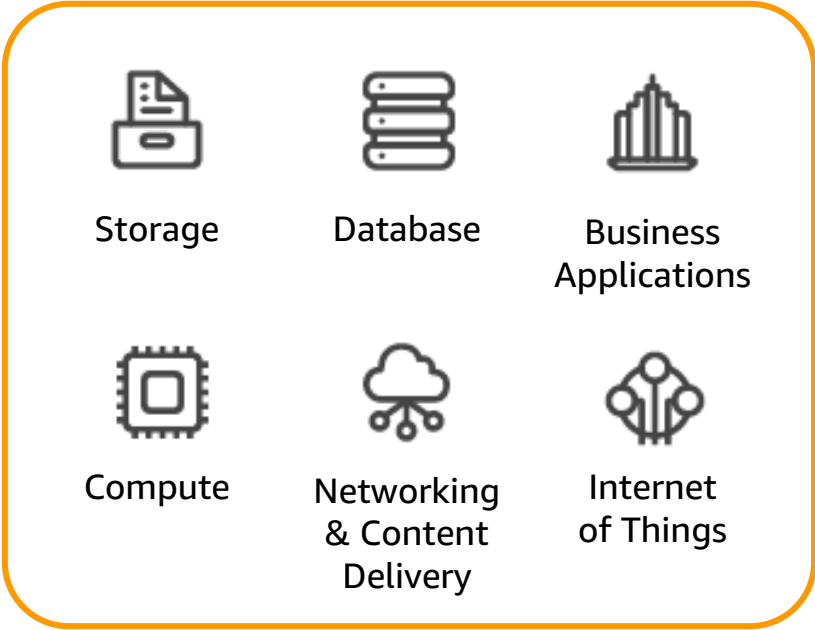
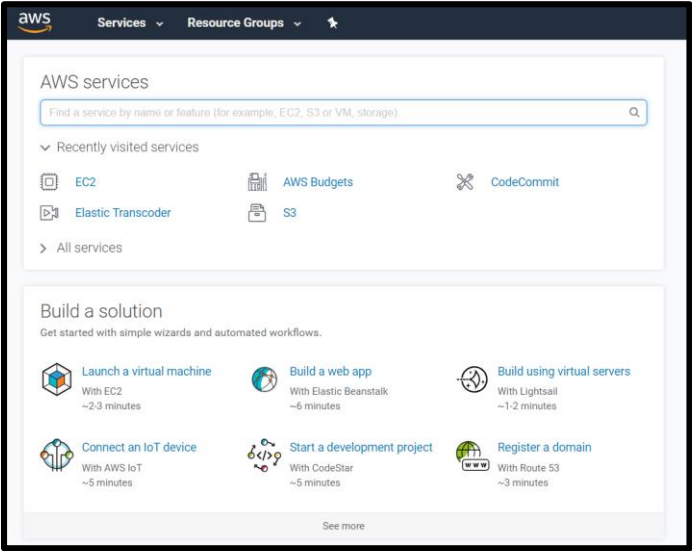
# What is the AWS Cloud?

# What is the cloud?



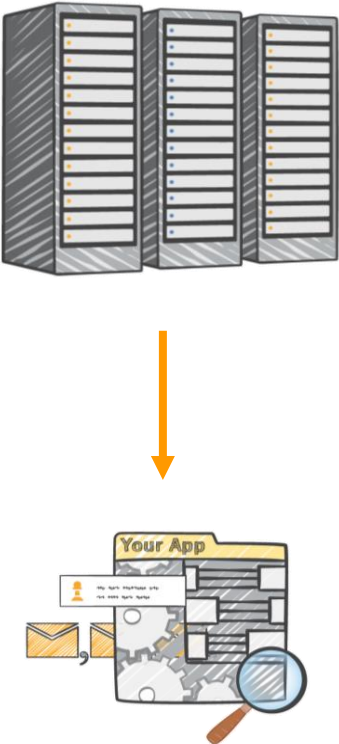
# How does it work?

- AWS owns and maintains the network-connected hardware
- You provision and use what you need

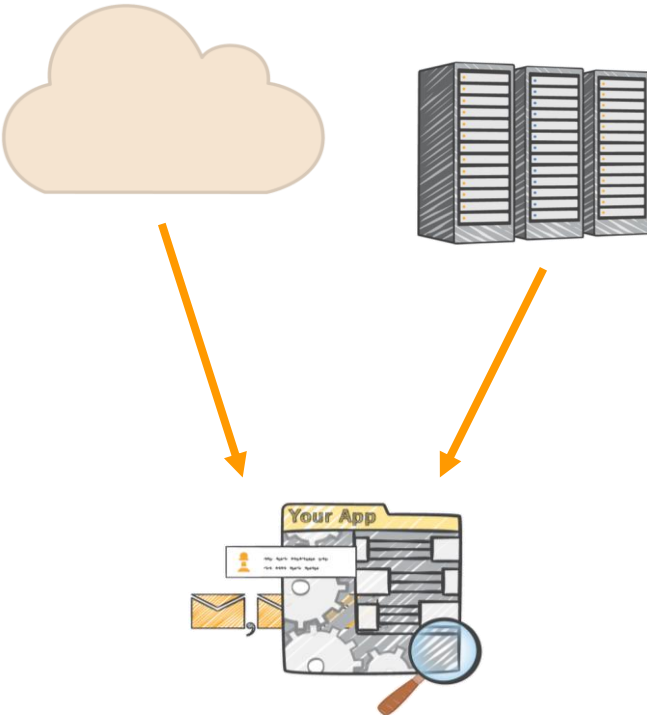


# Cloud deployment models

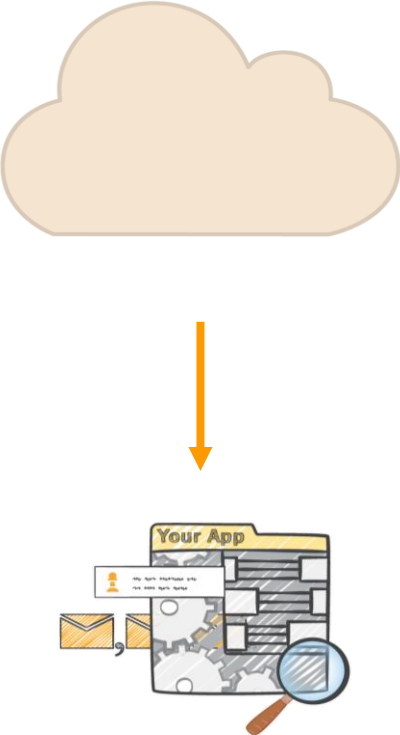
On premises



Hybrid



Cloud



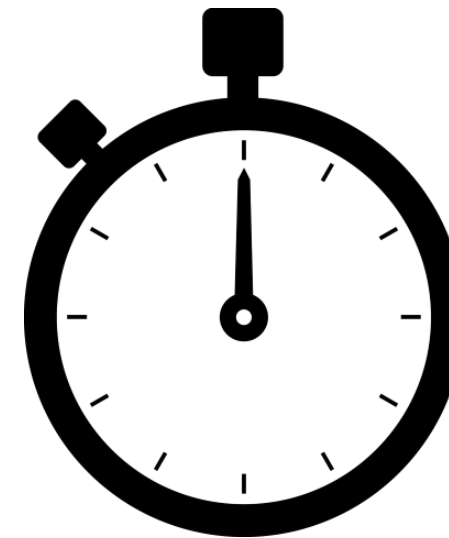


What are the benefits  
of the AWS Cloud?

# Trade capital expense for variable expense



Data center investment  
based upon forecast



Pay only for the amount  
you consume

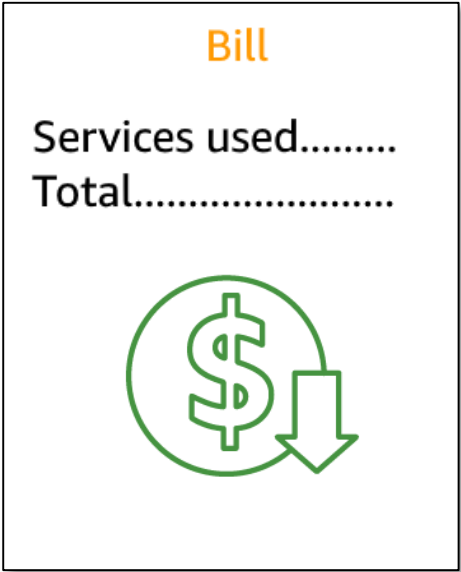
# Massive economies of scale

Because of aggregate usage from all customers, AWS can achieve higher economies of scale and pass savings on to customers



Economies of scale

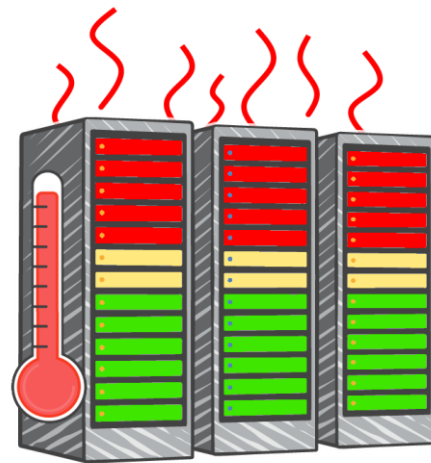
Savings



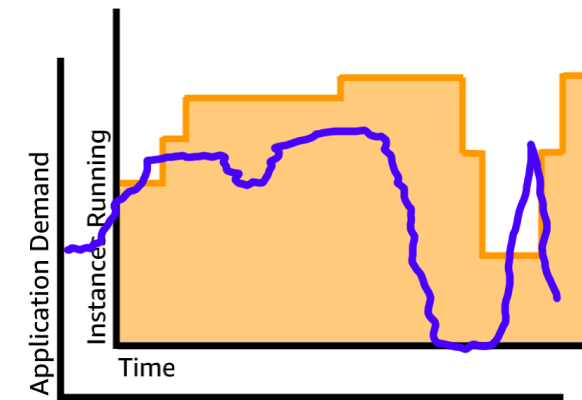
# Stop guessing capacity



Overestimated server capacity



Underestimated server capacity



Scaling on demand

# Increase speed and agility

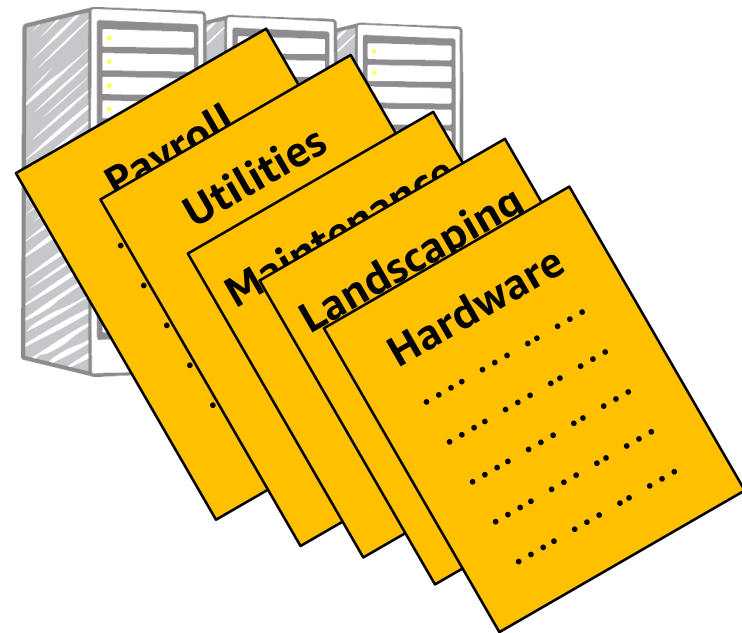
Purchasing Request	
Management Approval	waiting
Finance Approval	...
PO# Received	...
Item Ordered	...
Order Pulled	...
Order Shipped	...
Order Delivered	...
Order Unpacked	...

**Weeks** between wanting resources and having resources



**Minutes** between wanting resources and having resources

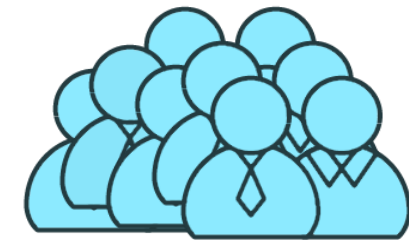
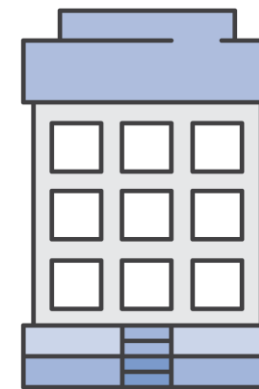
# Stop spending money on running and maintaining datacenters



Running datacenters



Investment



Business and customers

# Go global in minutes

The image shows a screenshot of the AWS console interface overlaid on a world map. The console displays the 'Services' and 'Resource Groups' tabs. The 'AWS services' section includes a search bar and a list of 'Recently visited services' such as EC2, Elastic Transcoder, AWS Budgets, and S3. Below this is the 'Build a solution' section with four quick-start options: 'Launch a virtual machine' (With EC2, ~2-3 minutes), 'Build a web app' (With Elastic Beanstalk, ~6 minutes), 'Connect an IoT device' (With AWS IoT, ~5 minutes), and 'Start a development project' (With CodeStar, ~5 minutes). On the right side, a dropdown menu lists various AWS regions, with 'US West (Oregon)' and 'Asia Pacific (Singapore)' highlighted. The map in the background features several circular icons in different colors (orange, purple, green, blue) placed over various geographical locations, with arrows pointing from these icons to the console interface. Three of these icons are enclosed in rounded square boxes: an orange one in North America, a green one in East Asia, and a blue one in South America.

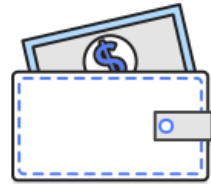
# AWS security



Keep your data safe



Meet compliance requirements



Save money



Scale quickly



# AWS service categories



Analytics



Application Integration



AR & VR



AWS Cost Management



Blockchain



Business Applications



Compute



Customer Engagement



Database



Developer Tools



End User Computing



Game Tech



Internet of Things



Machine Learning



Management & Governance



Media Services



Migration & Transfer



Mobile



Networking &  
Content Delivery



Robotics



Satellite



Security, Identity  
& Compliance



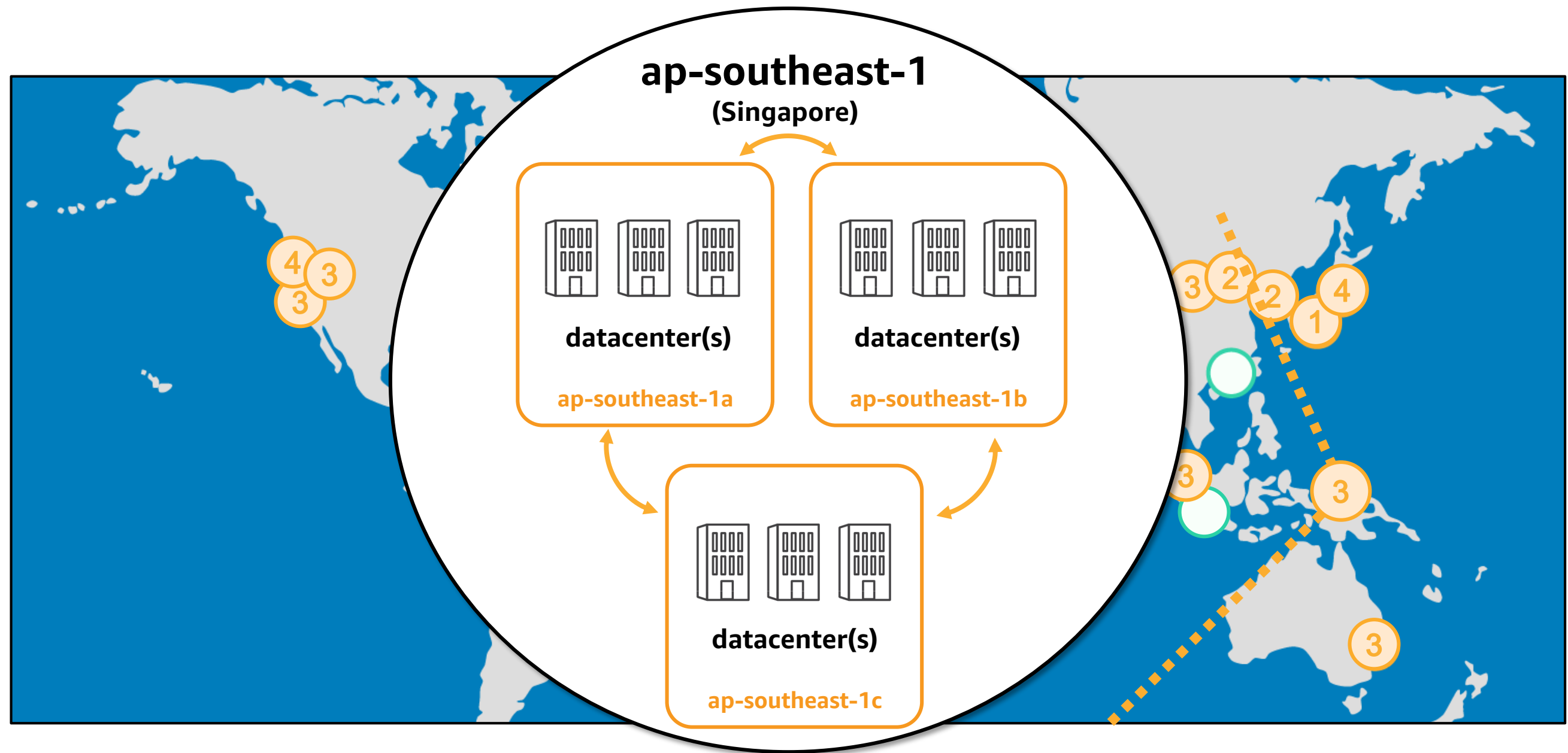
Storage



# AWS global infrastructure

# Demo

# Availability zones

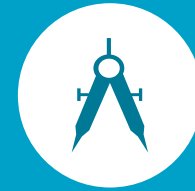


# Selecting a region

Determine the right region for your services, applications, and data based on these factors



Data governance,  
legal requirements



Proximity to  
customers (latency)

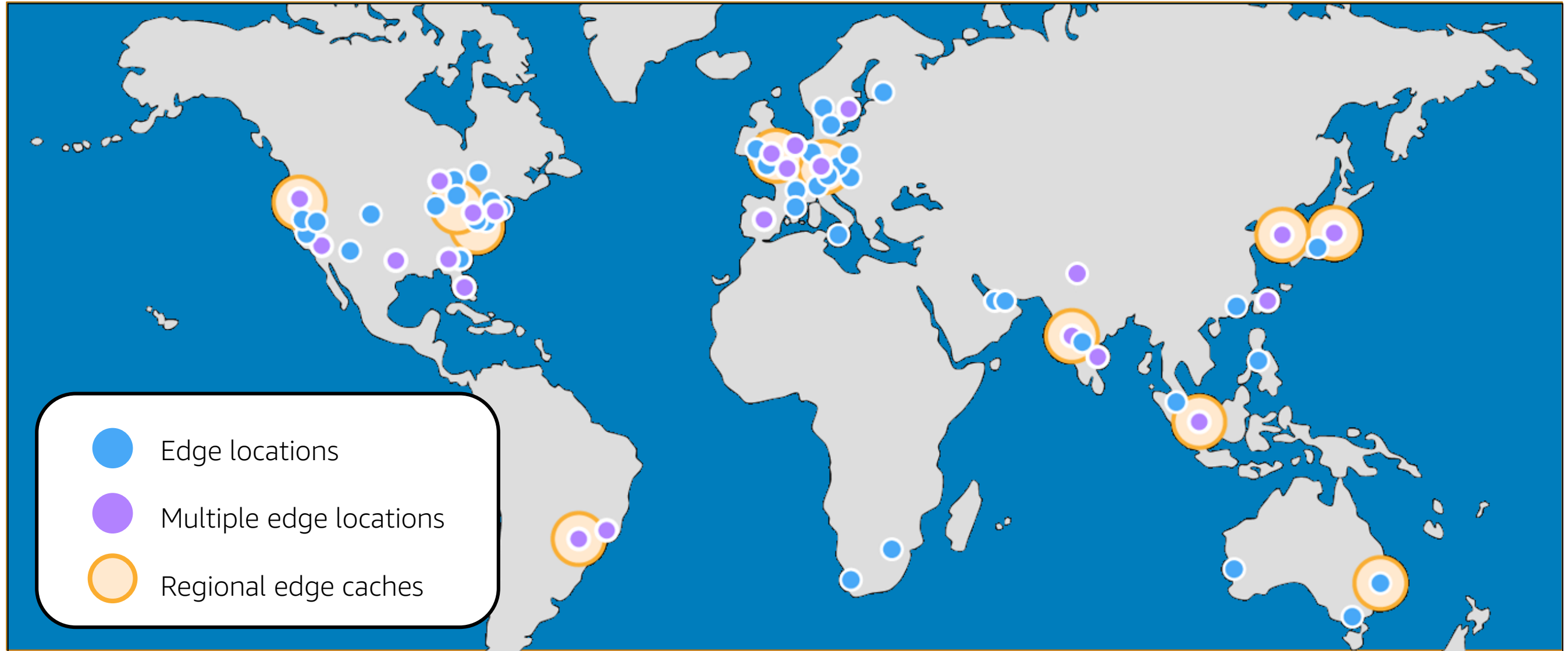


Services available  
within the region



Costs  
(vary by region)

# Edge locations: reaching distant customers

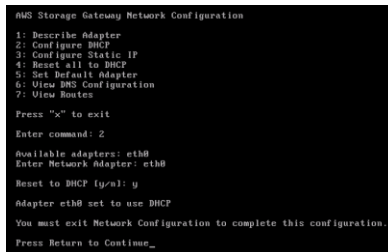


# AWS management interfaces

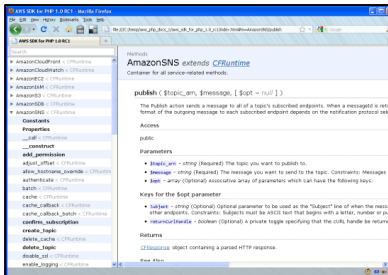
# Three ways to interact with AWS



AWS Management Console  
Easy-to-use graphical interface



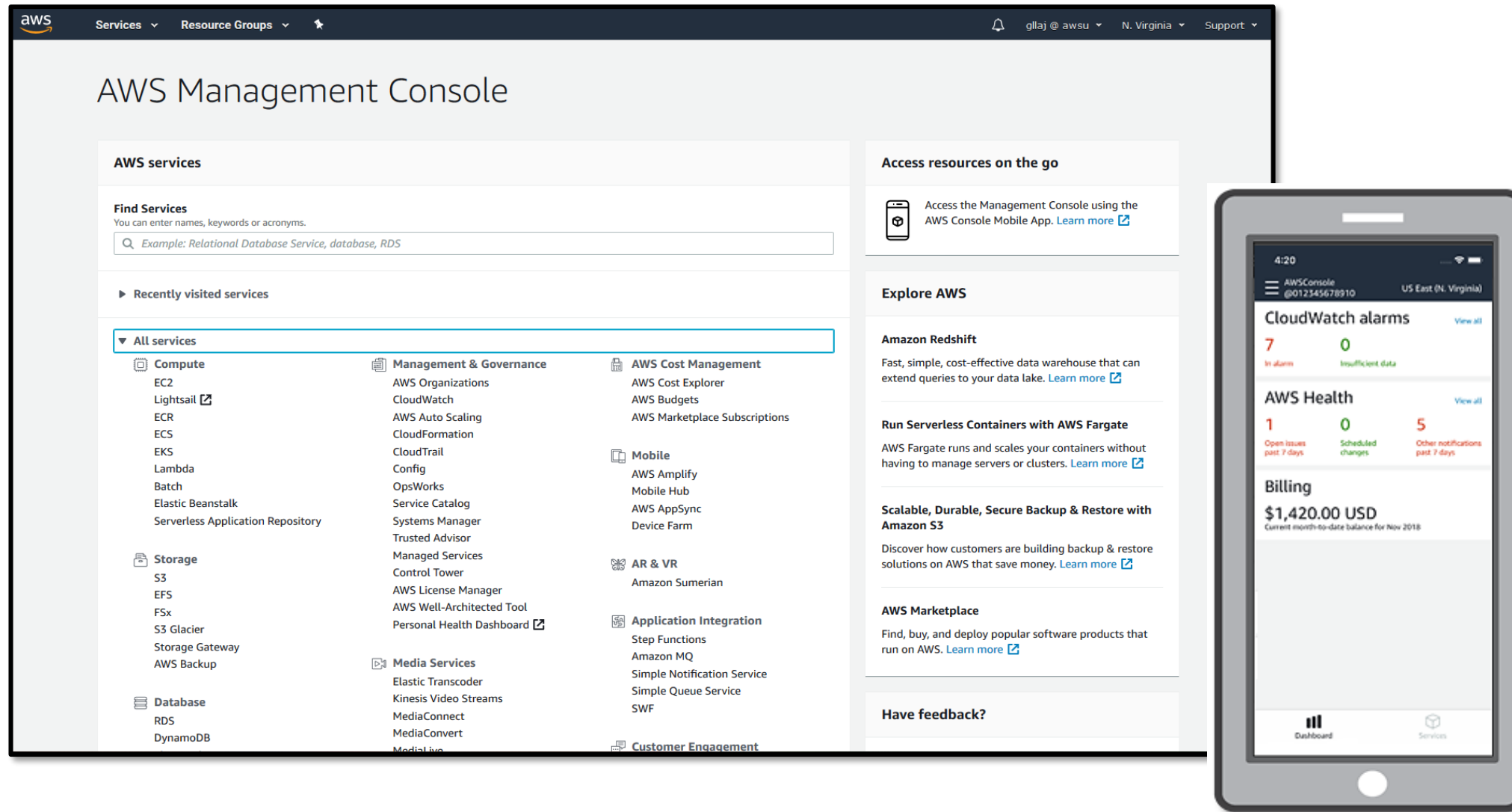
Command Line Interface (AWS CLI)  
Access to services by discrete command



Software Development Kits (SDKs)  
Access services in your code



# AWS Management Console



# AWS CLI

Open source tool for  
interacting with AWS services

Environments

- Linux
- MacOS
- Windows



# AWS SDKs



JavaScript



Go



Python



Node.js



PHP



C++



.NET



Java



Ruby



IoT

End of Module 1

Test your knowledge

# Thank you!