

# **AWS**SOME DAY

ONLINE CONFERENCE

# 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

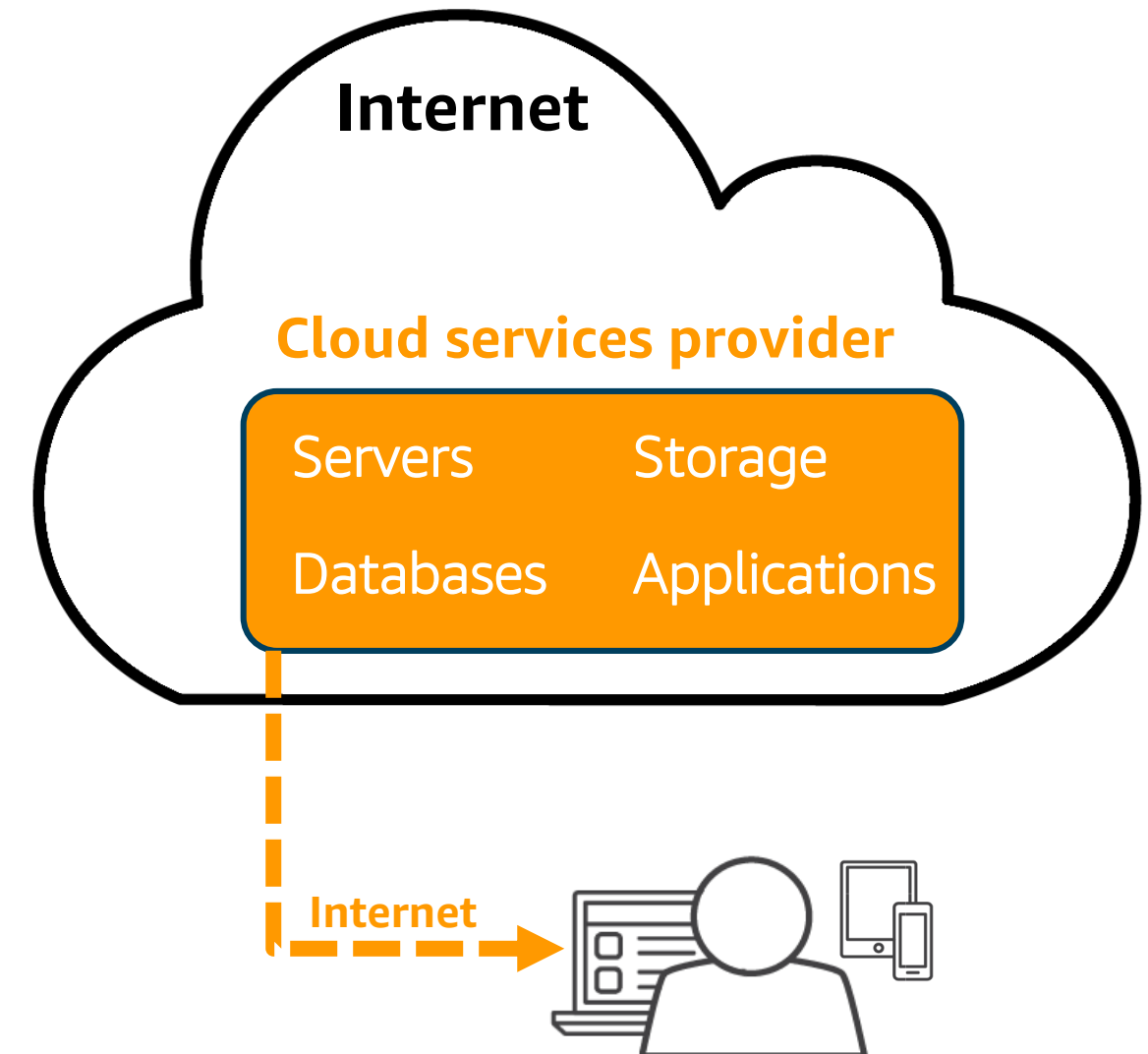
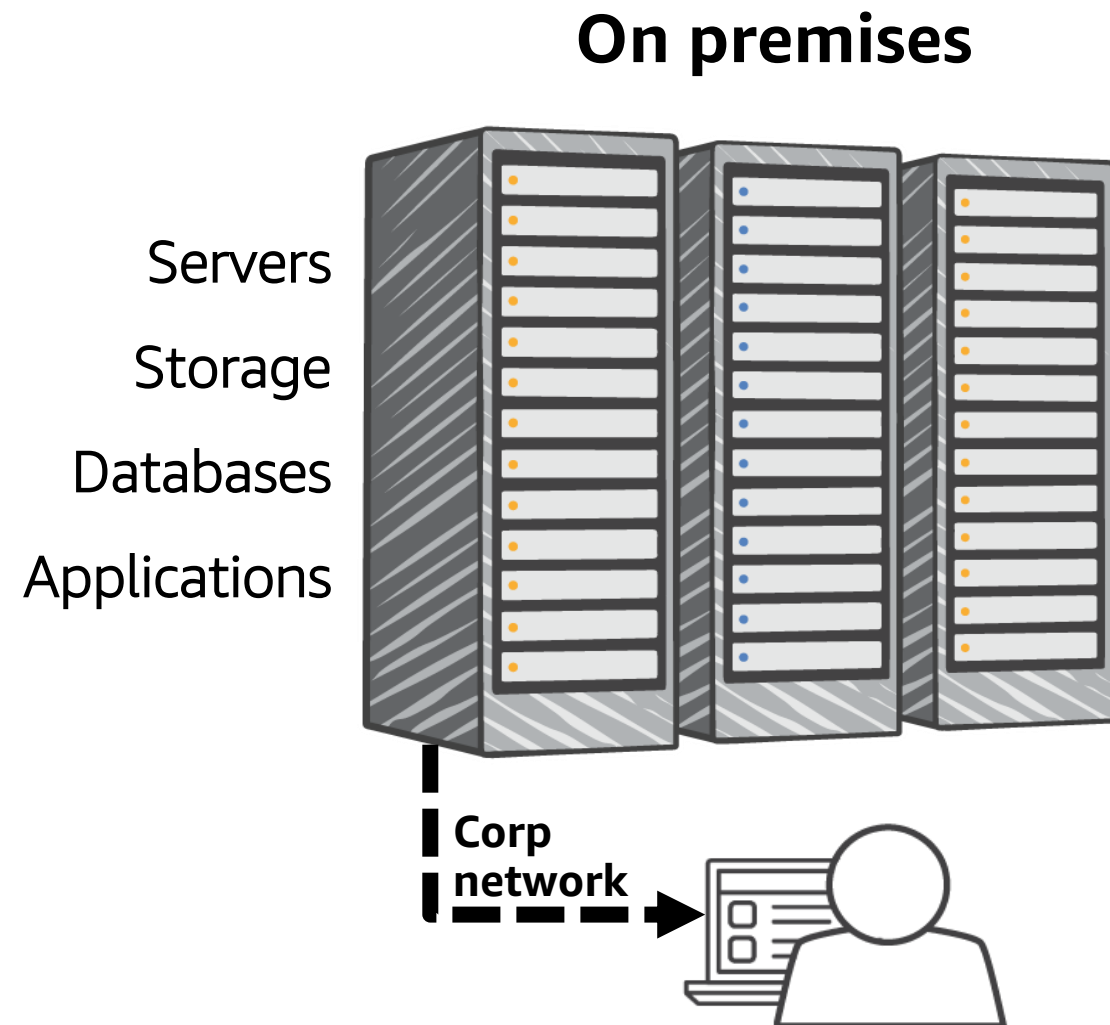
1. Introduction to the AWS Cloud
2. Getting started with the cloud
3. Building in the cloud
4. Secure your cloud applications
5. AWS pricing, support and architecting

# Module 1: Introduction to the AWS Cloud

Navjot Singh  
Technical Trainer  
AWS

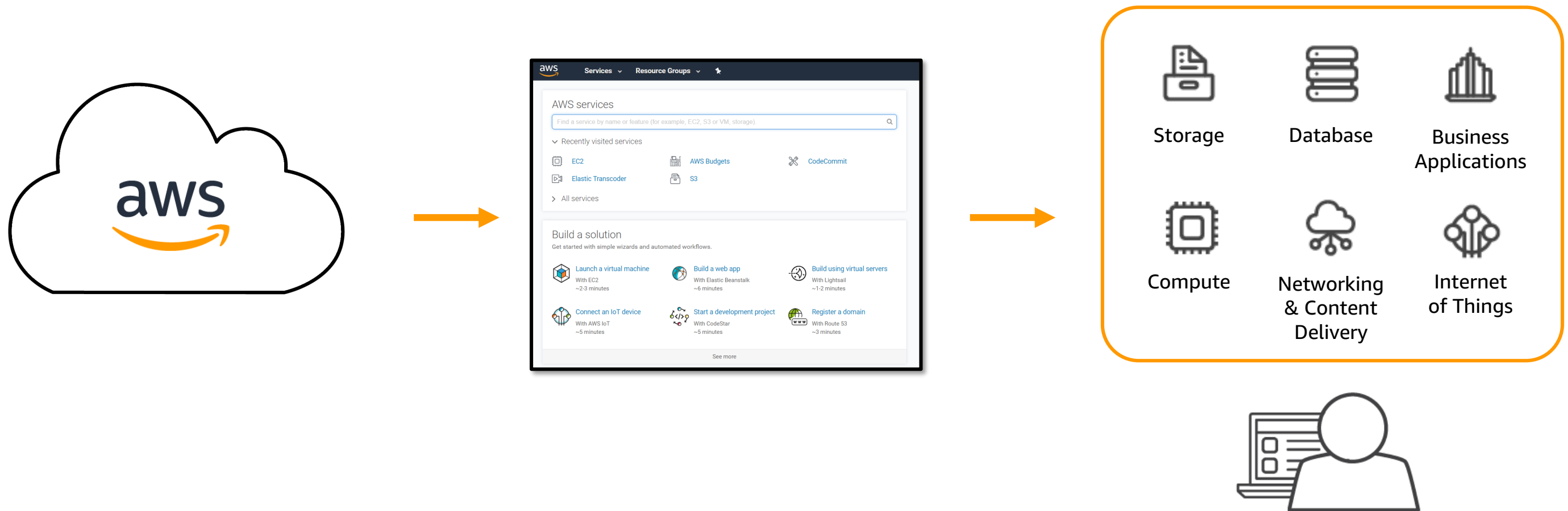
# What is the AWS Cloud?

# What is the cloud?



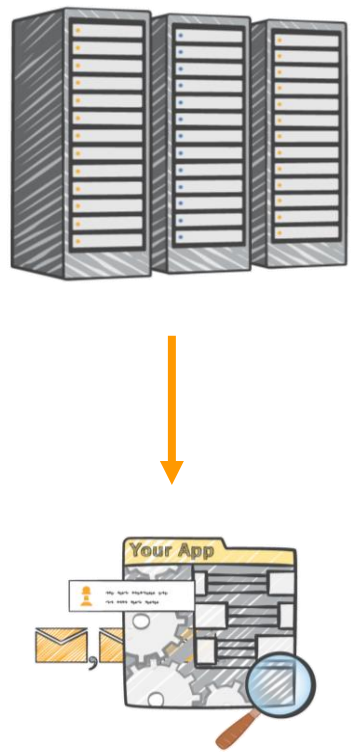
# How does it work?

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

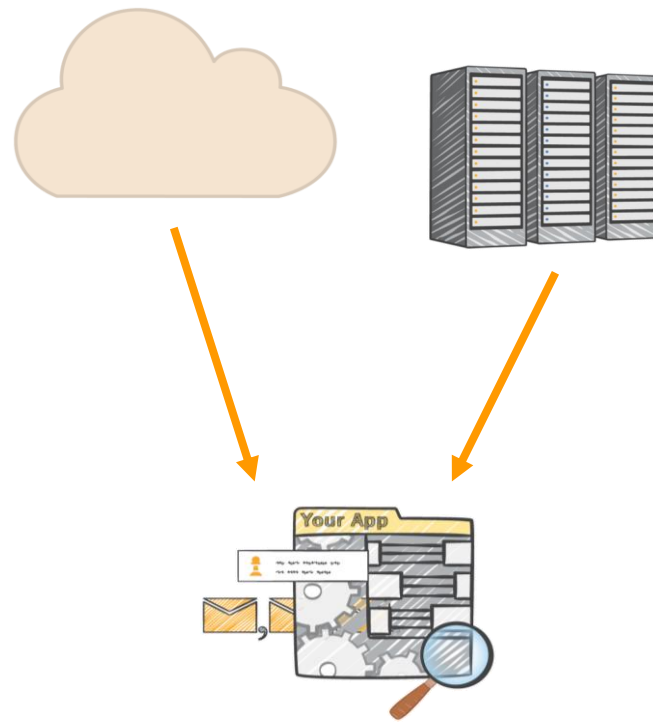


# Cloud deployment models

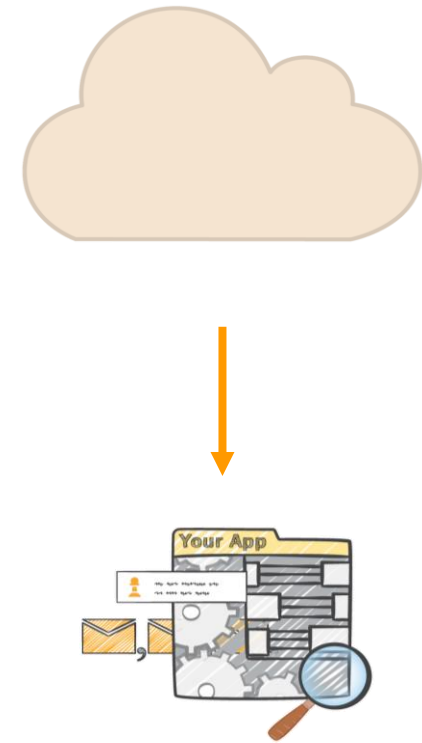
On premises



Hybrid



Cloud



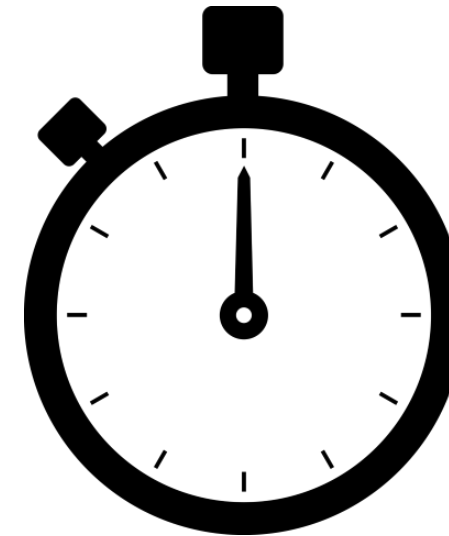


# What are the benefits of the AWS Cloud?

# Trade capital expense for variable expense



Data center investment  
based upon forecast



Pay only for the amount  
you consume

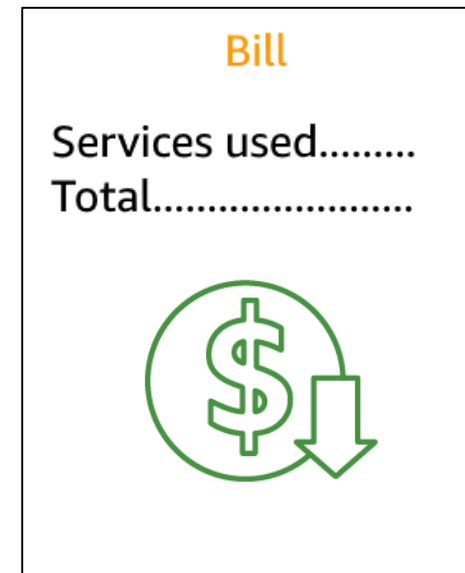
# Massive economies of scale

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



Economies of scale

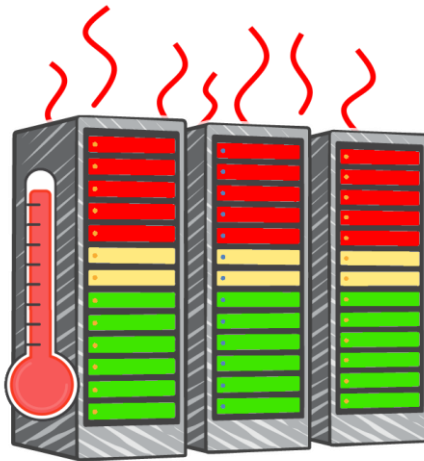
Savings



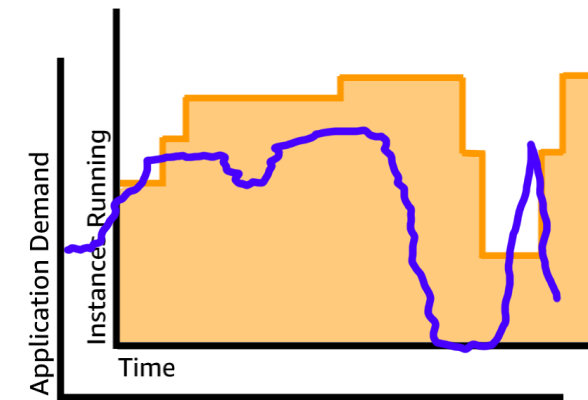
# Stop guessing capacity



Overestimated  
server capacity



Underestimated  
server capacity



Scaling  
on demand

# Increase speed and agility

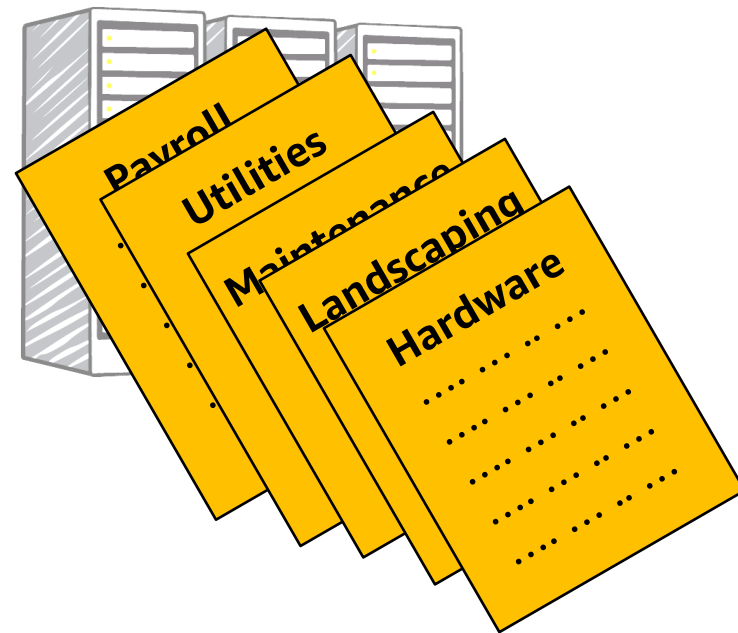
Purchasing Request	
Management Approval	waiting
Finance Approval	...
PO# Received	...
Item Ordered	...
Order Pulled	...
Order Shipped	...
Order Delivered	...
Order Unpacked	...

**Weeks** between wanting  
resources and having resources



**Minutes** between wanting  
resources and having resources

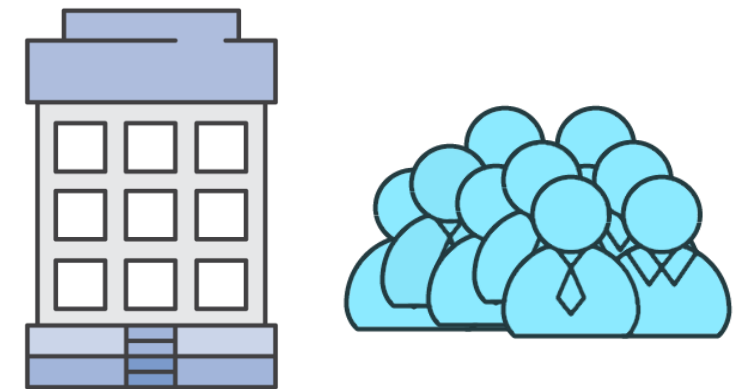
# Stop spending money on running and maintaining datacenters



Running datacenters



Investment



Business and customers

# Go global in minutes

The image shows a world map with four callouts pointing to different regions. Each callout contains an icon representing a document, a folder, and a play button. The callouts are: North America (orange icon), South America (blue icon), Europe (green icon), and Asia (blue icon). Each callout points to a specific region on the map.

**aws** Services Resource Groups

**AWS services**

Find a service by name or feature (for example, EC2, S3 or VM, storage).

Recently visited services

- EC2
- Elastic Transcoder
- AWS Budgets
- S3

All services

**Build a solution**

Get started with simple wizards and automated workflows.

- 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
- Start a development project  
With CodeStar  
~5 minutes

See more

US East (N. Virginia)  
US East (Ohio)  
US West (N. California)  
**US West (Oregon)**  
Asia Pacific (Mumbai)  
Asia Pacific (Osaka-Local)  
Asia Pacific (Seoul)  
**Asia Pacific (Singapore)**  
Asia Pacific (Sydney)  
Asia Pacific (Tokyo)  
Canada (Central)  
EU (Frankfurt)  
EU (Ireland)  
EU (London)  
EU (Paris)  
South America (São Paulo)

# 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



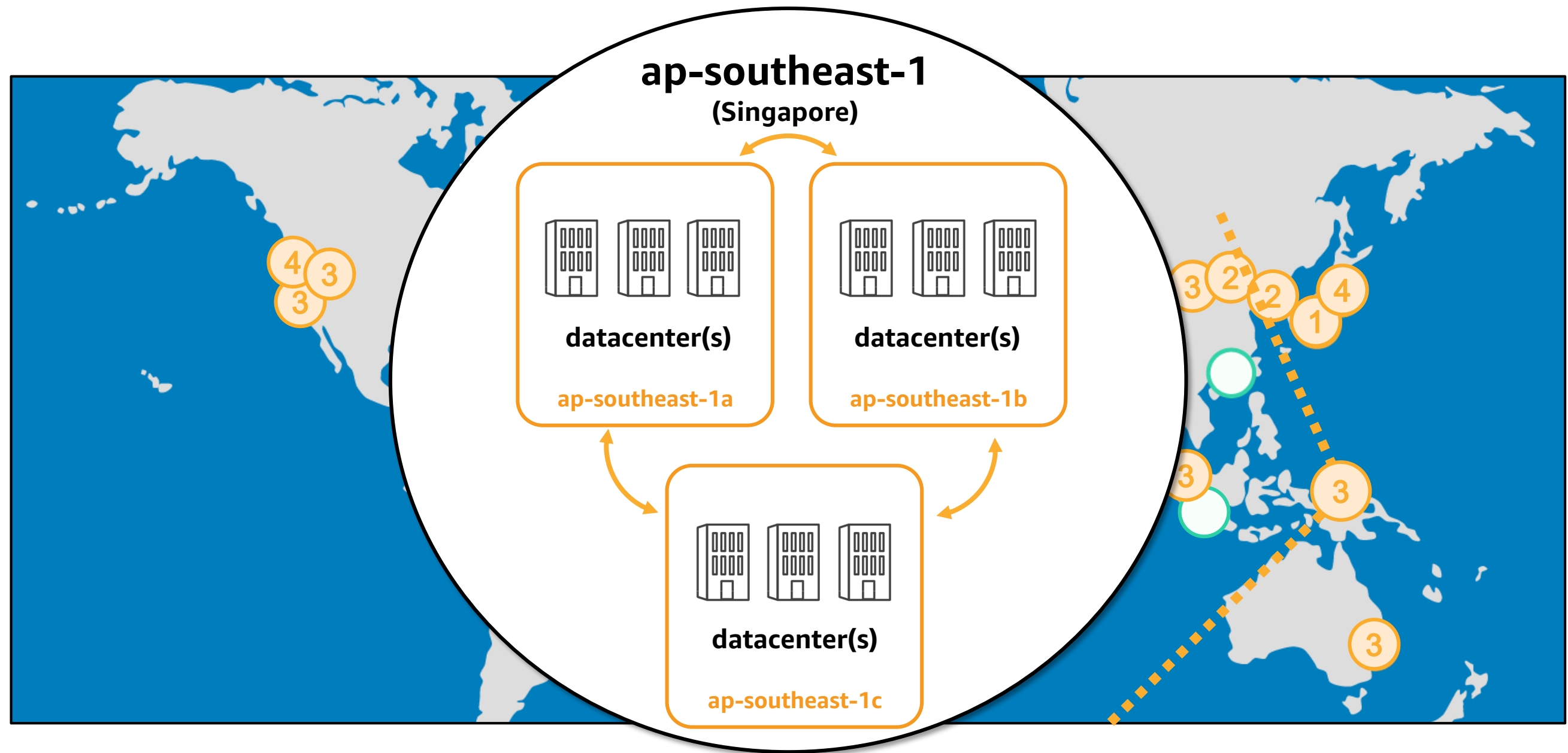
Storage

# AWS global infrastructure

# Regions



# Availability zones



# Demo

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# 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)

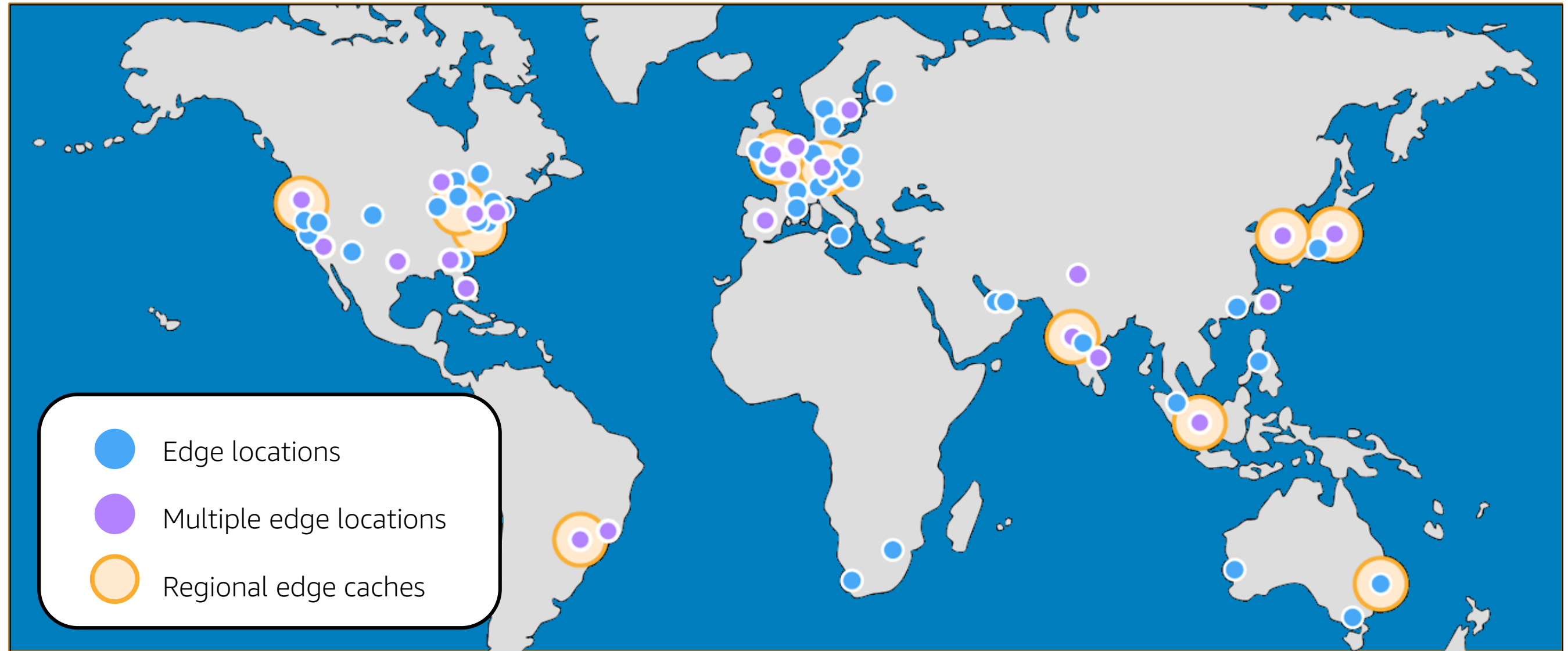


Services available  
within the region



Costs  
(vary by region)

# Edge locations: reaching distant customers



# AWS management interfaces



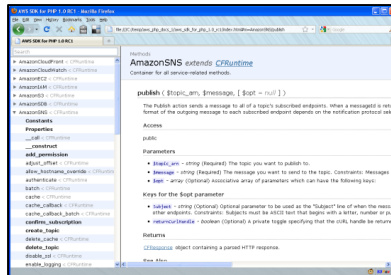
# Three ways to interact with AWS



AWS Management Console  
Easy-to-use graphical interface

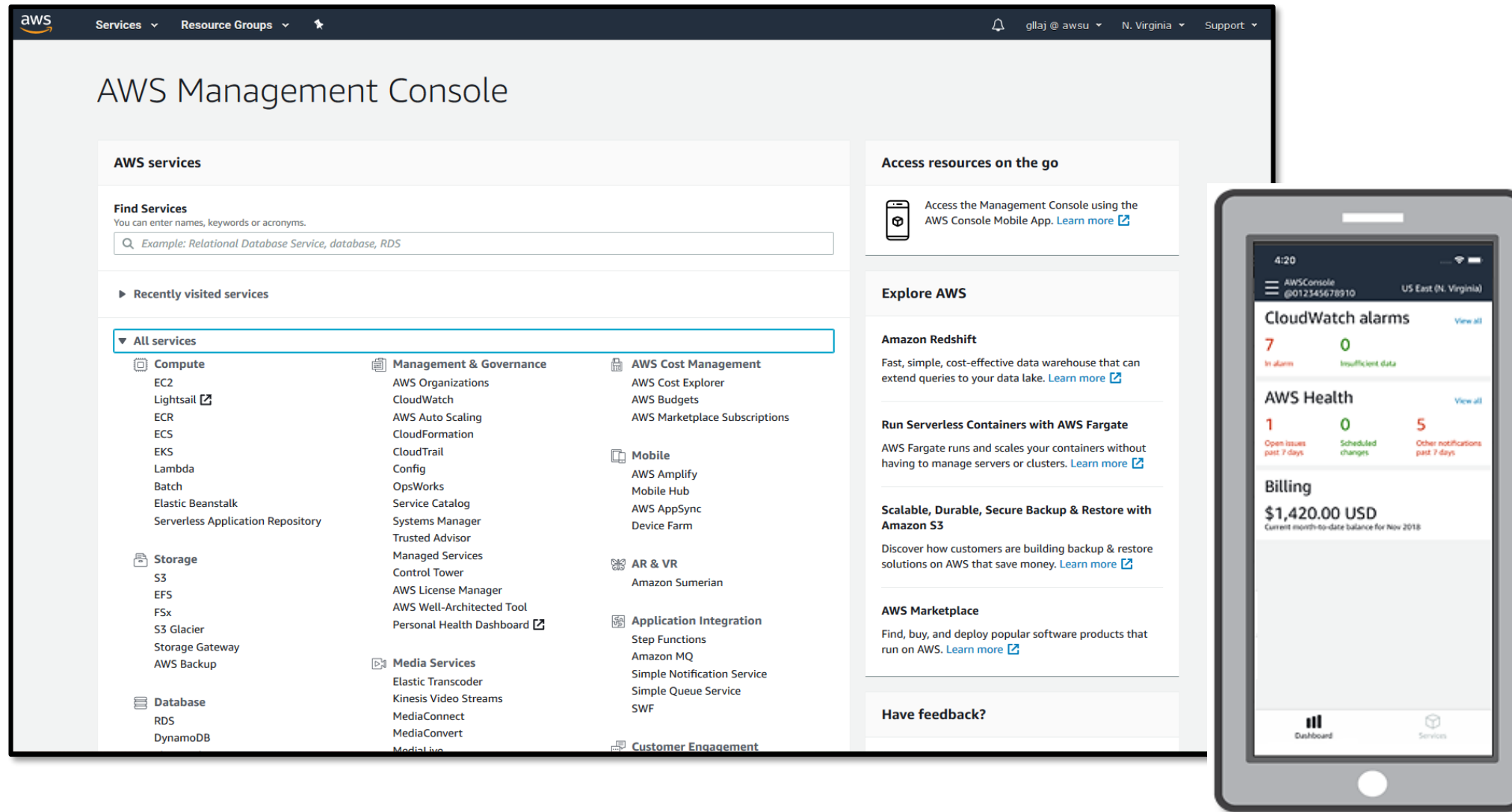


Command Line Interface (AWS CLI)  
Access to services by discrete command



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



Python



PHP



.NET



Ruby



Go



Node.js



C++



Java



IoT

# End of Module 1

## Test your knowledge

Access the quizzes with the "test your knowledge" button at the bottom of the page.