

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

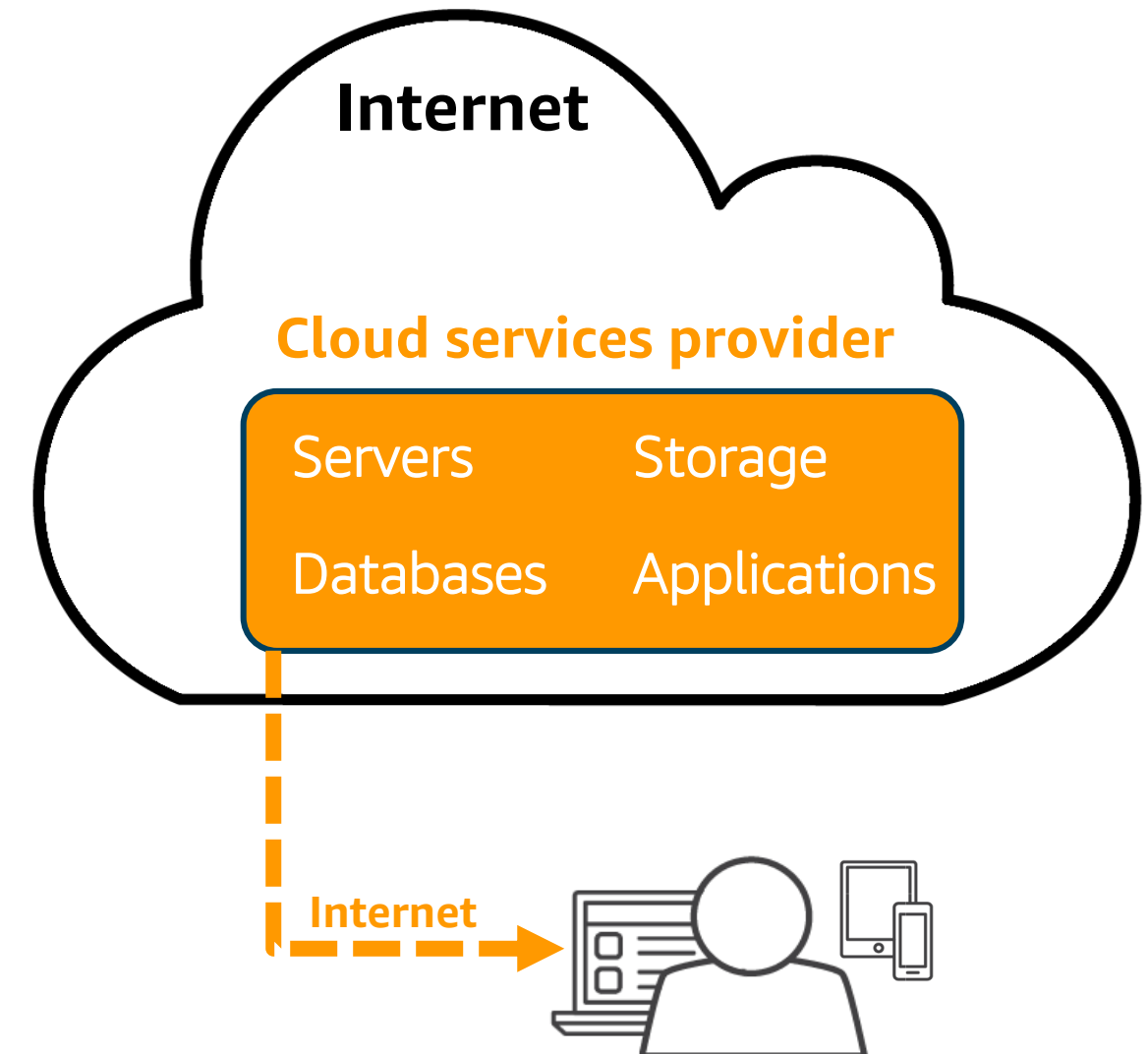
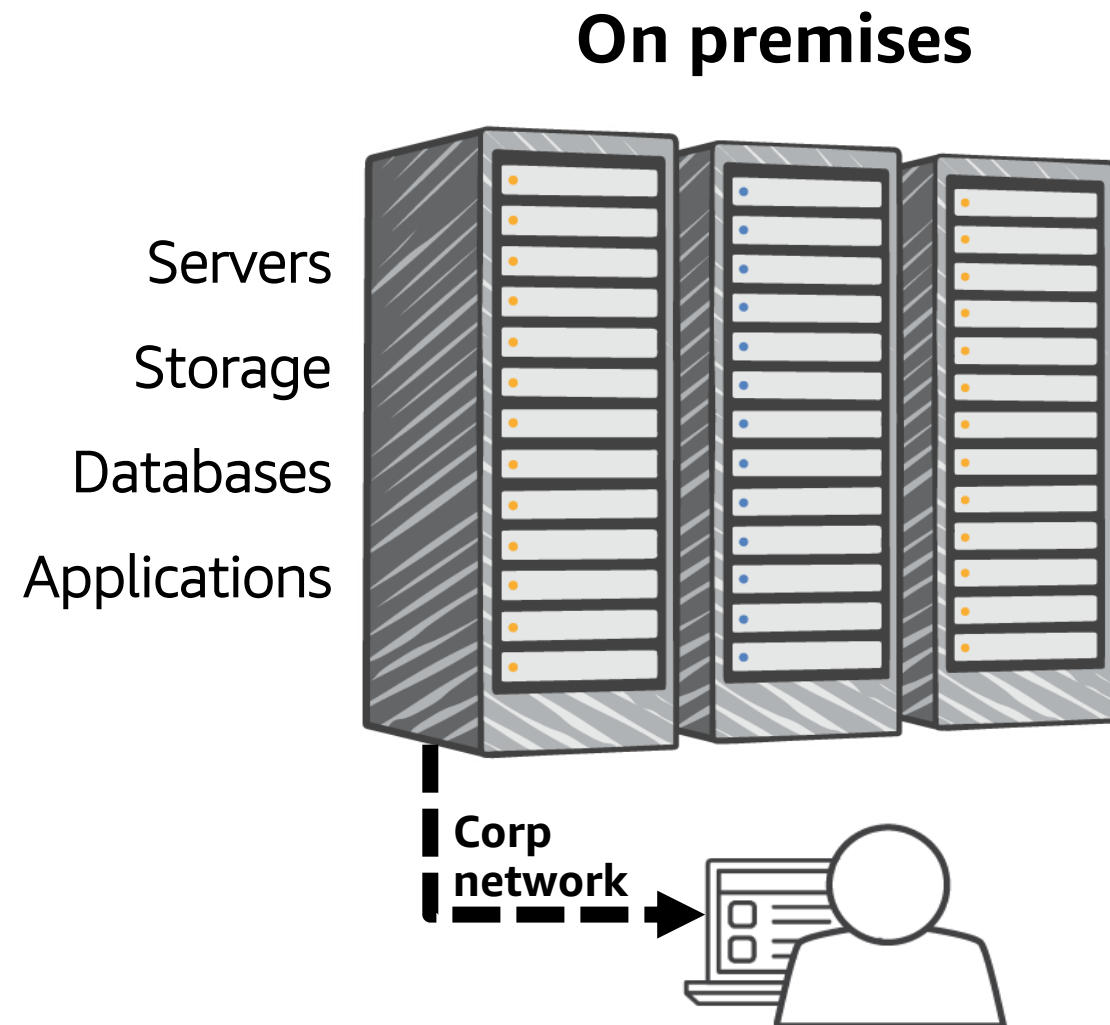
Module 1: Introduction to the AWS Cloud

Patrick Do
Technical Trainer
AWS



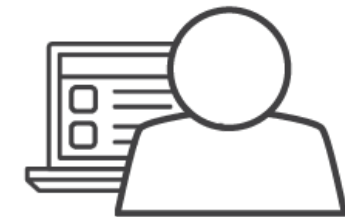
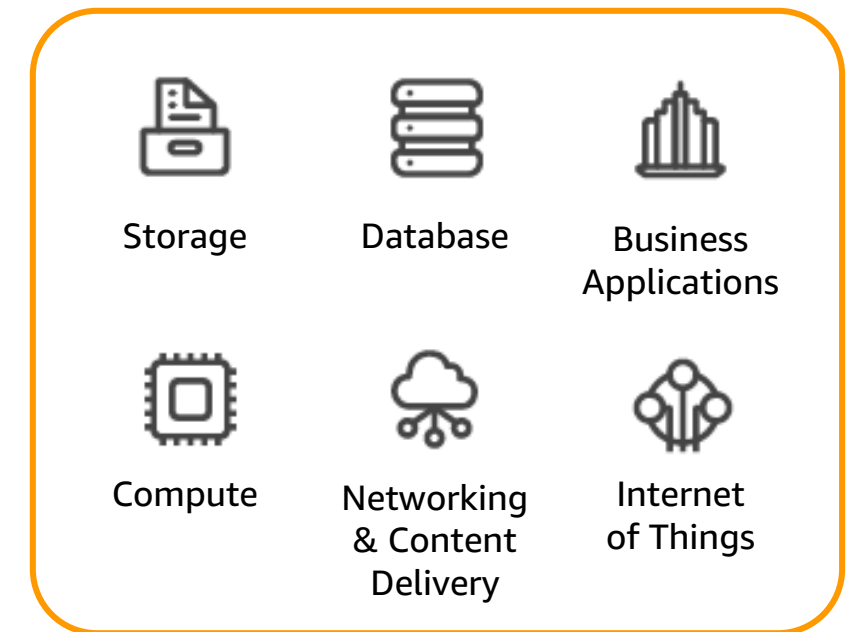
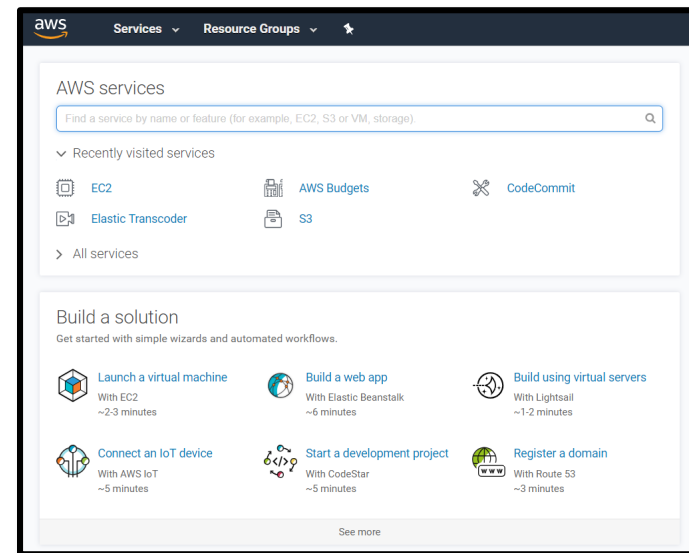
What is the AWS Cloud?

What is the cloud?



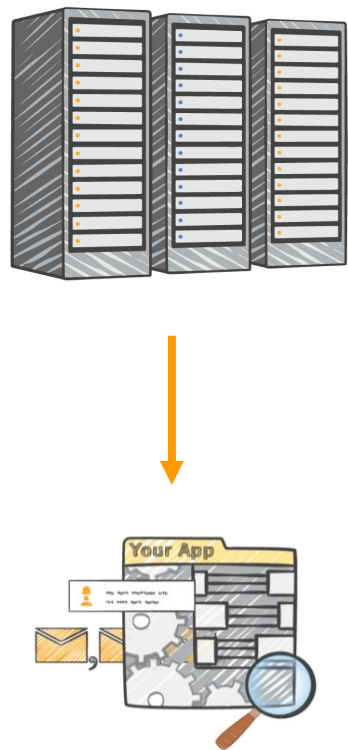
How does it work?

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

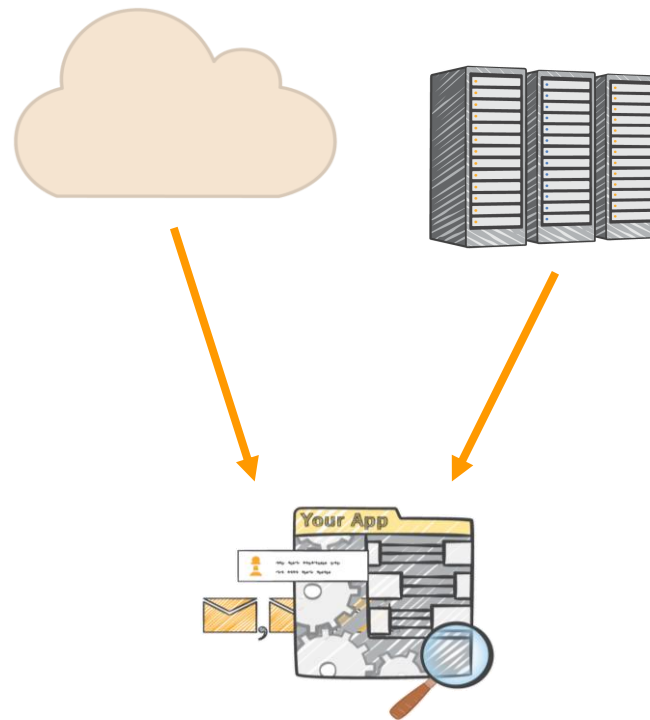


Cloud deployment models

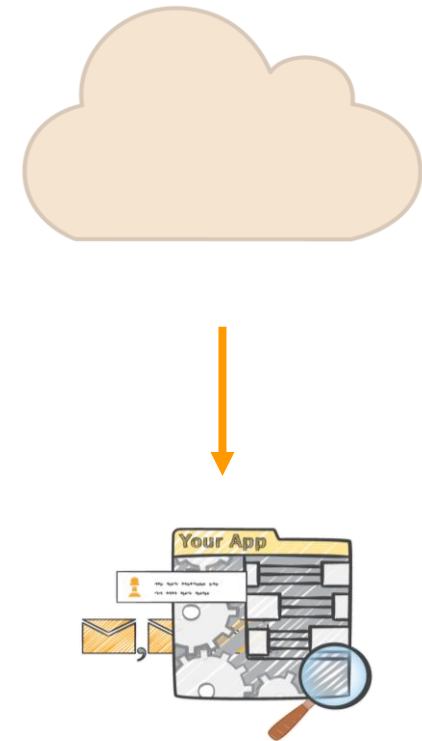
On premises



Hybrid



Cloud

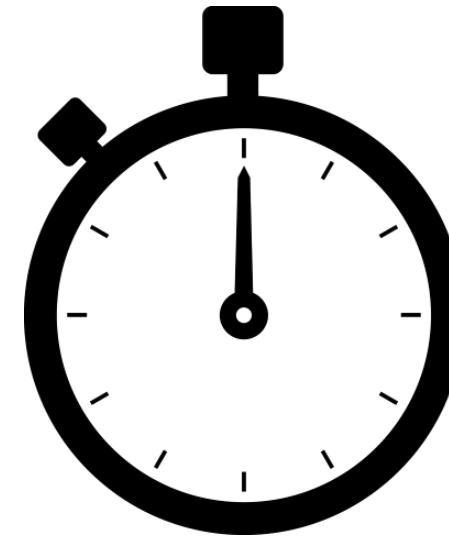


What are the benefits of the AWS Cloud?

Trade capital expense for variable expense



Data center investment
based upon forecast



Pay only for the amount
you consume

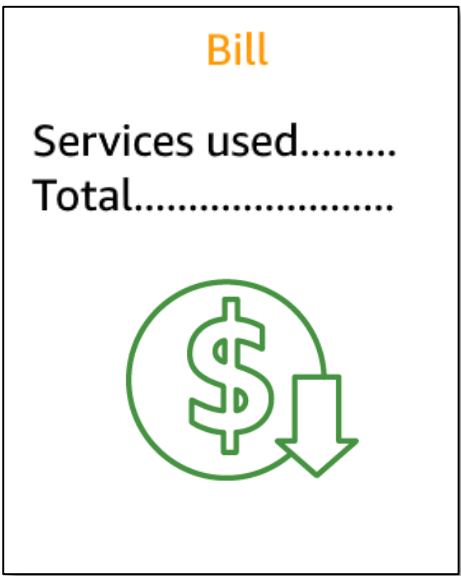
Massive economies of scale

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



Economies of scale

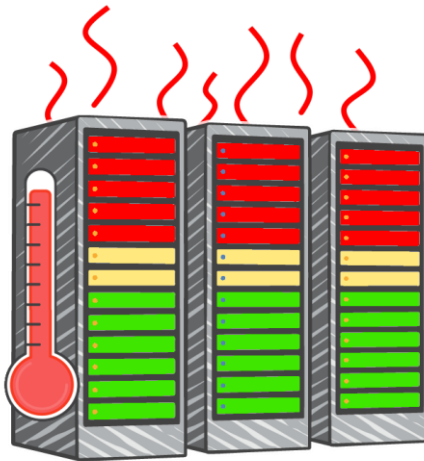
Savings



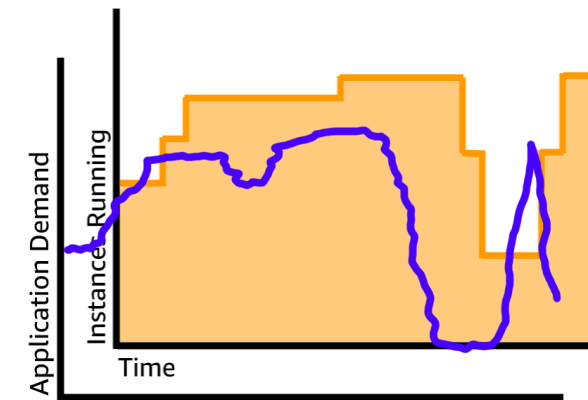
Stop guessing capacity



Overestimated
server capacity



Underestimated
server capacity



Scaling
on demand

Increase speed and agility

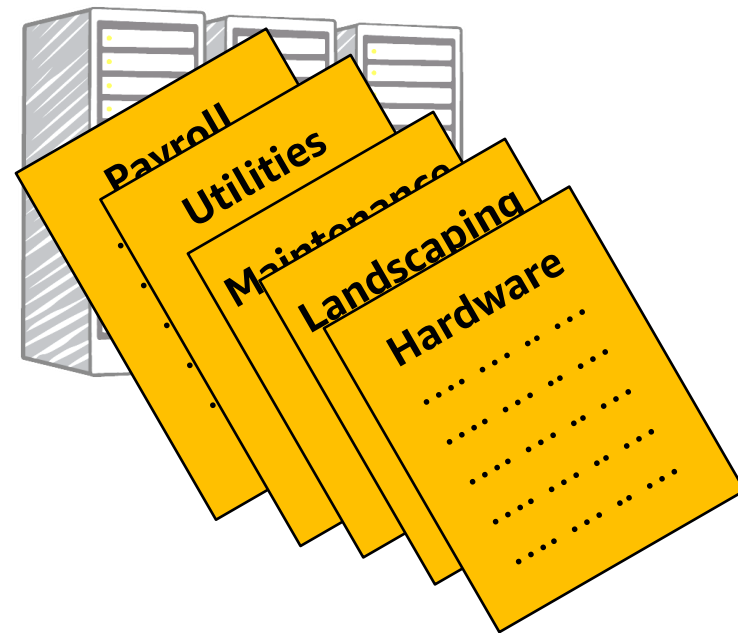
Purchasing Request	
Management Approval	waiting
Finance Approval	...
PO# Received	...
Item Ordered	...
Order Pulled	...
Order Shipped	...
Order Delivered	...
Order Unpacked	...

Weeks between wanting
resources and having resources



Minutes between wanting
resources and having resources

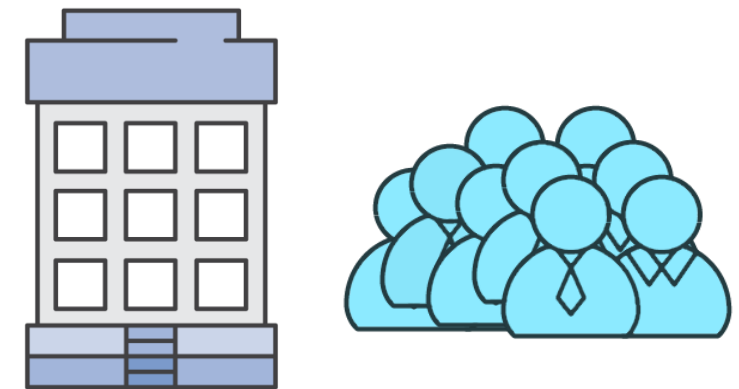
Stop spending money on running and maintaining datacenters



Running datacenters



Investment



Business and customers

Go global in minutes

The image shows a screenshot of the AWS Management 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: EC2, Elastic Transcoder, AWS Budgets, and S3. The 'Build a solution' section offers 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). A sidebar on the right lists various AWS regions, with 'US West (Oregon)' highlighted in orange. Other regions listed include US East (N. Virginia), US East (Ohio), US West (N. California), 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), and South America (São Paulo). Four callout boxes with icons (a folder with a play button) are positioned around the map, with arrows pointing to specific regions: North America, Europe, Asia, and 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



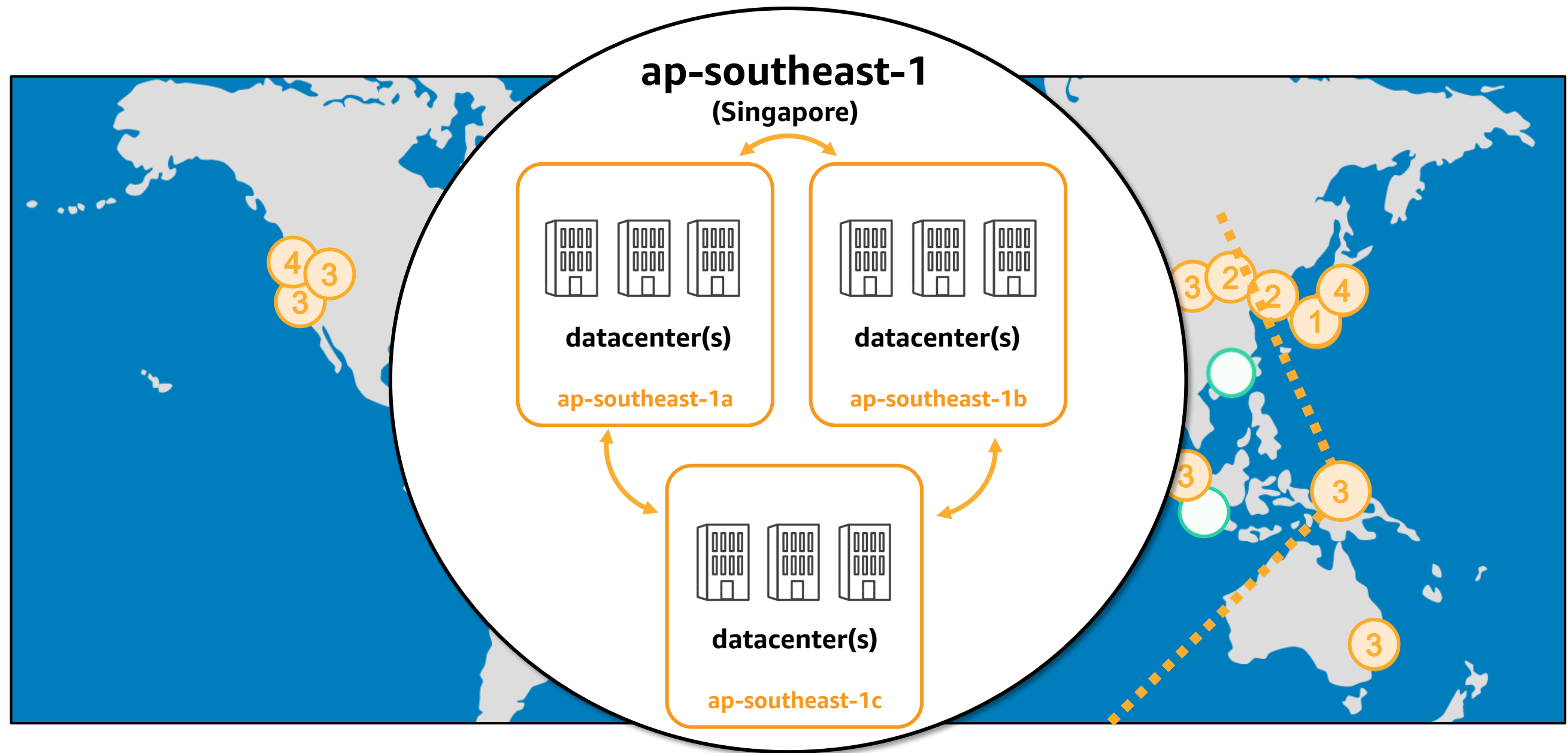
AWS global infrastructure

Demo

AWSSOME DAY
ONLINE CONFERENCE

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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)

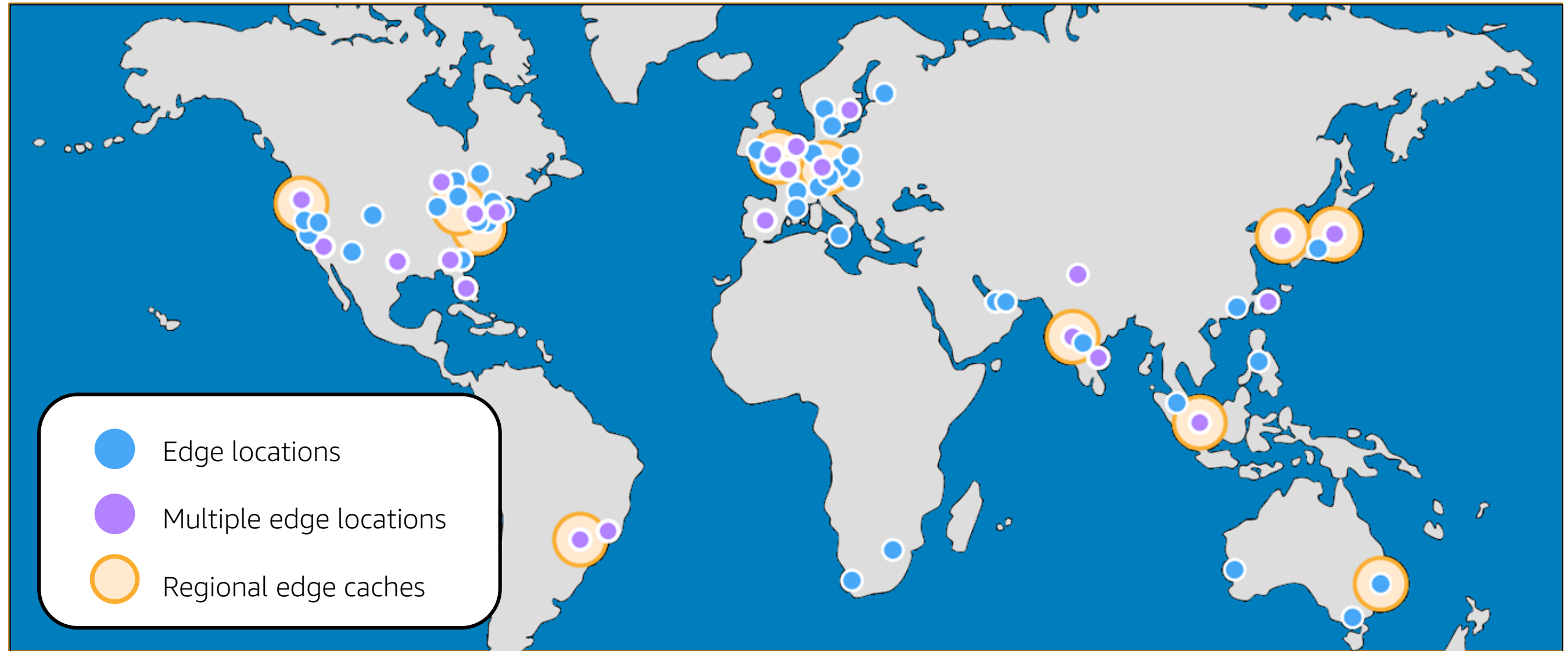


Services available
within the region



Costs
(vary by region)

Edge locations: reaching distant customers

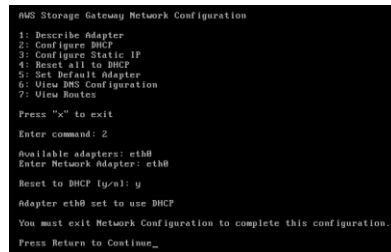


AWS management interfaces

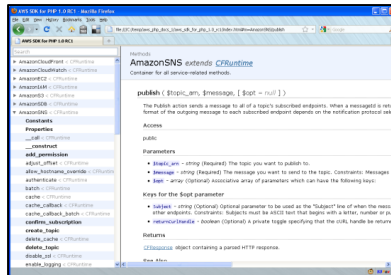
Three ways to interact with AWS



AWS Management Console
Easy-to-use graphical interface

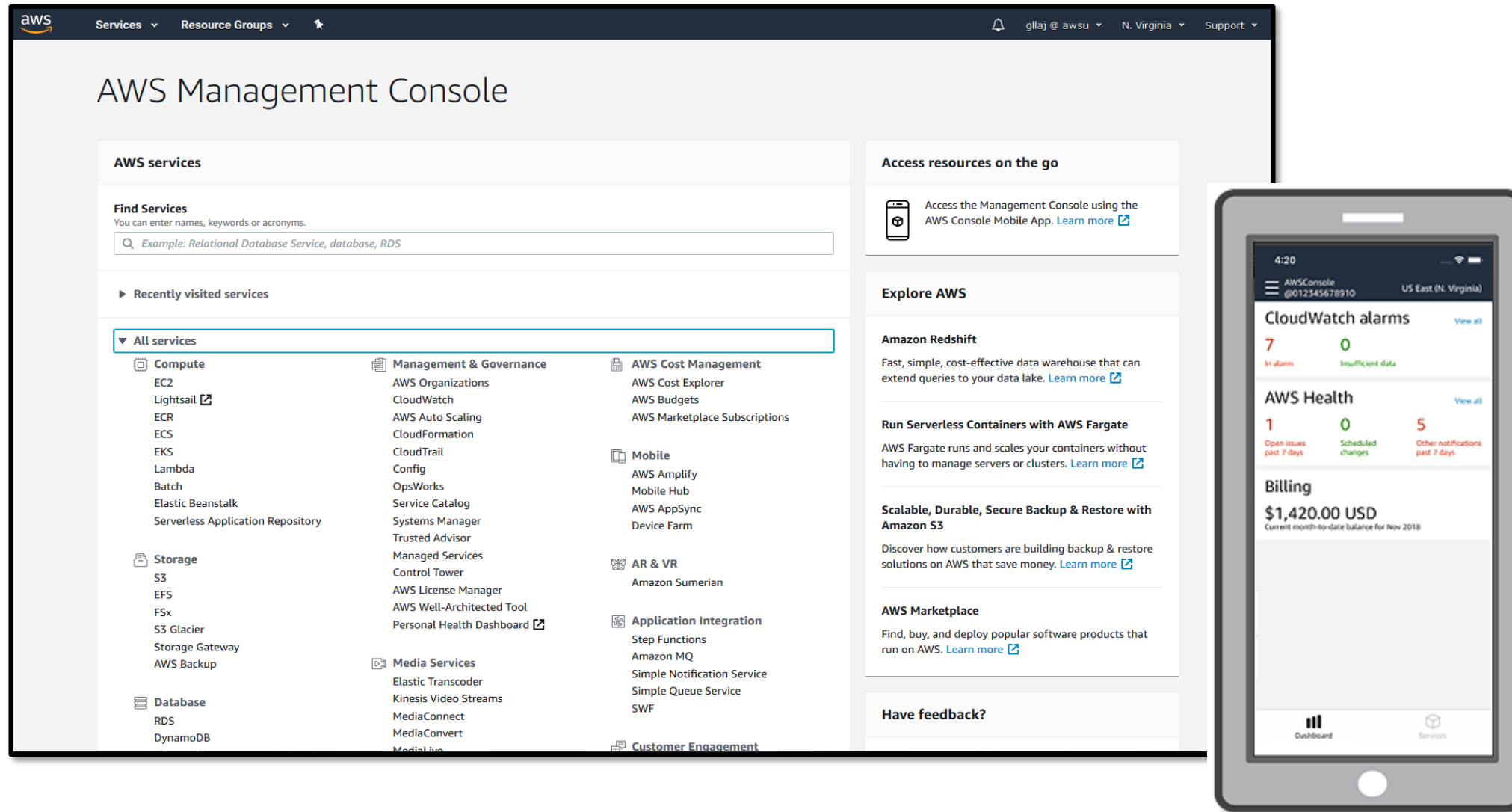


Command Line Interface (AWS CLI)
Access to services by discrete command



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



Python



PHP



.NET



Ruby



Go



Node.js



C++



Java



IoT

End of Module 1

Test your knowledge