



**aws** training and certification

ATP logo

# AWS Discovery Day



ATP logo

# Introduction to the Cloud and AWS



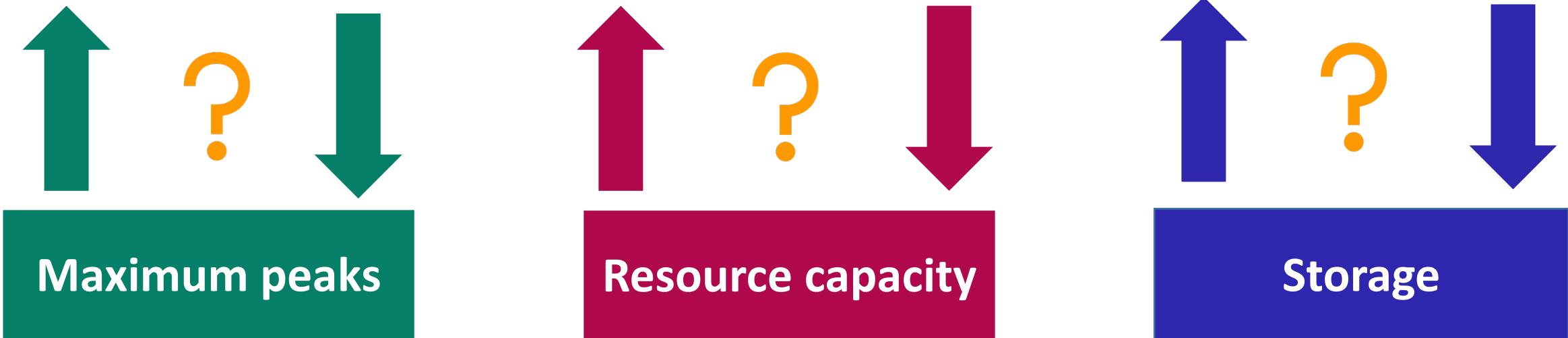
# Agenda

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- Define the cloud and how it works
- Explore the benefits of the Amazon Web Services (AWS) Cloud
- Examine customers who use AWS

# Before cloud computing

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# Introduction to the AWS Cloud



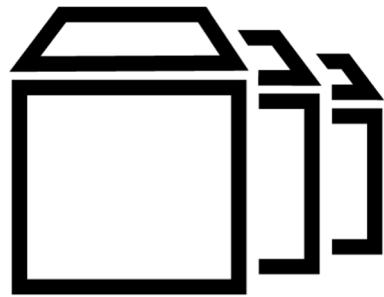
- On-demand delivery
- No large upfront investments
- Provisioning of computing resources as needed
- Pay only for what you use

# Cloud computing components

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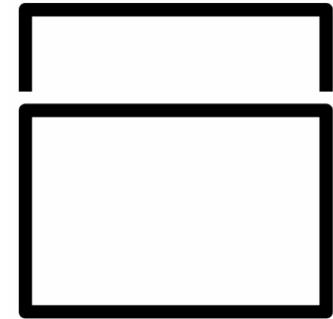
**Servers**



**Storage**



**Databases**



**Applications**

# Cloud computing deployment models

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**Cloud**



**Hybrid**



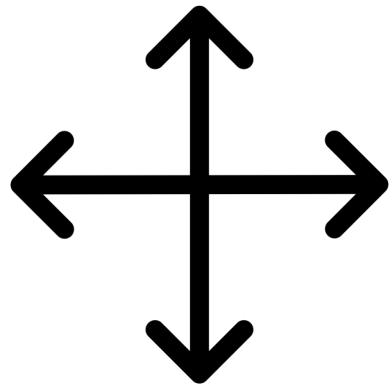
**On-premises**

# Benefits of AWS

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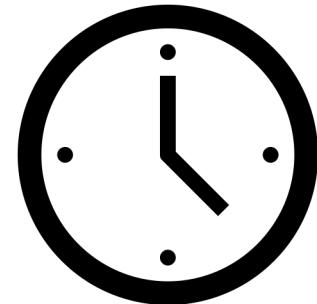
**Agility**



**Elasticity**



**Cost savings**



**Rapid  
deployment**

# Agility

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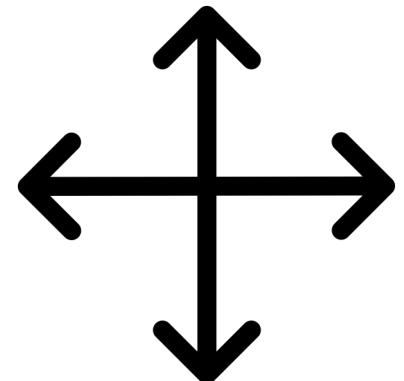
- Faster innovation
- No wait for additional resources
- Ability to experiment and innovate



# Elasticity

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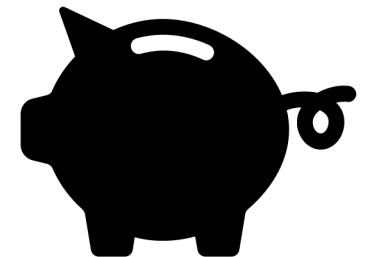
- Adapt to meet varying workloads
- Distribute workloads across multiple resources
- Deploy fault tolerant applications and resources



# Cost savings

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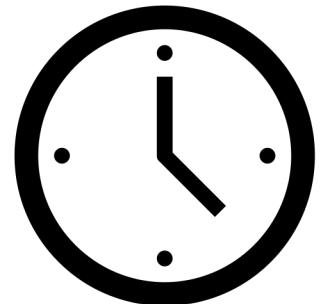
- Trade capital expense for variable expense
- Reduce facility maintenance costs
- Pay as you go



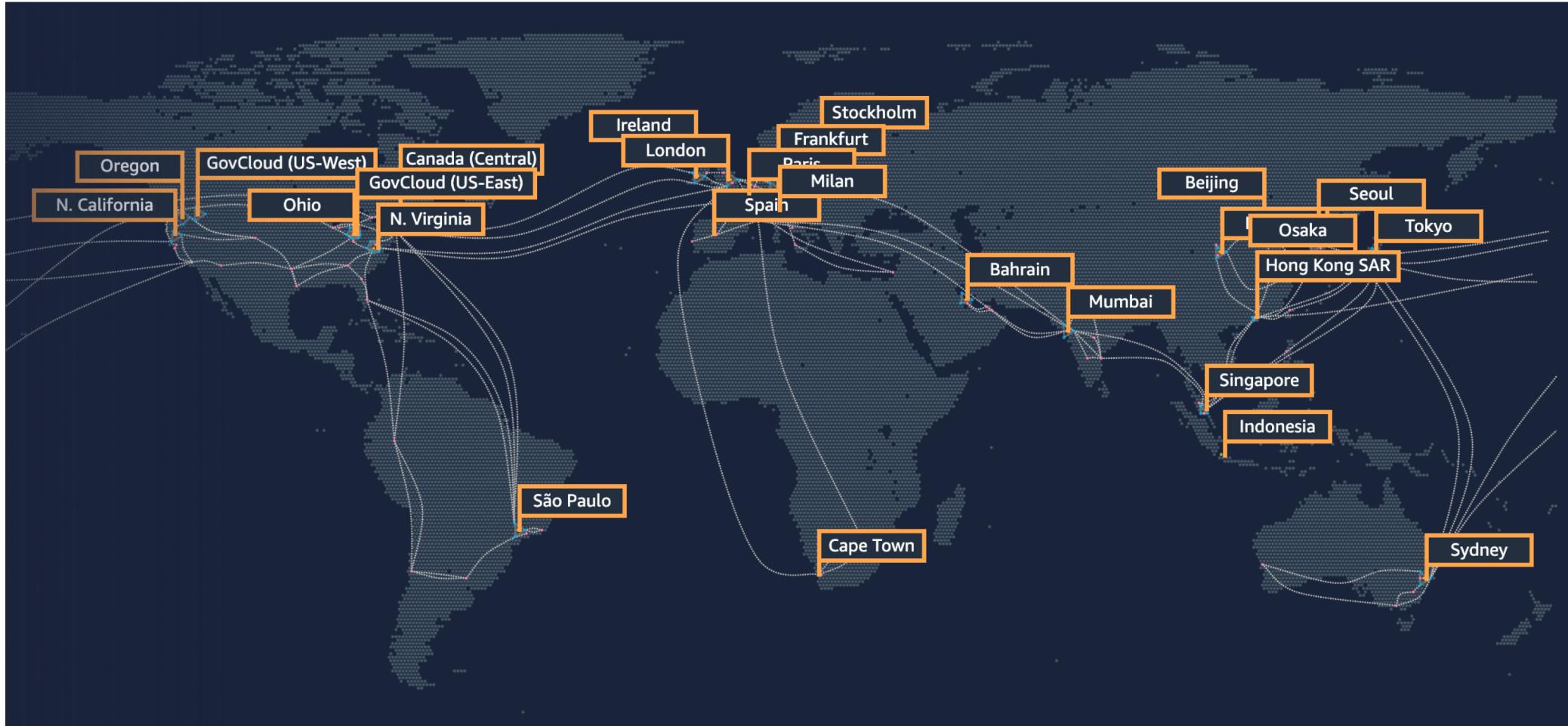
# Rapid deployment

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- Highly scalable platform around the world
- Quick release for new features in applications
- Automated deployment



# Global infrastructure



# Regions

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A **region** is a separate geographical location with multiple locations that are isolated from each other.

- Supports AWS's global footprint
- Serves customers across the world
- Fast-paced expansion with long-term commitment to sustainability

# Availability Zones

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- Fully isolated portions of the AWS global infrastructure
- All Availability Zones are interconnected with high-bandwidth, low-latency networking over fully redundant, dedicated fiber
- Help customers to build highly available applications

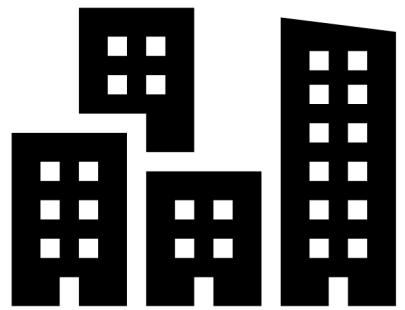
# Points of presence

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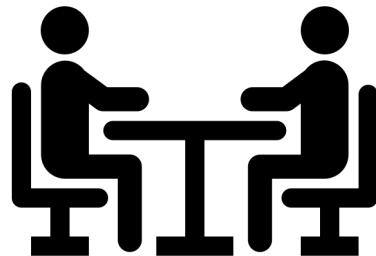
- Consist of edge locations and regional edge cache servers
- Deliver content to customers through a worldwide network of points of presence locations
- Low latency and high transfer speed

# Who uses AWS?

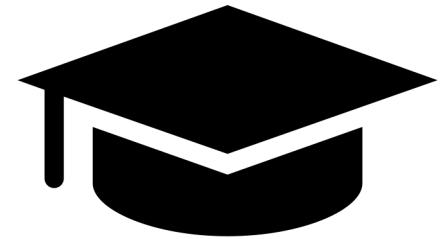
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**Enterprises**



**Startups**



**Public Sector**

# Enterprise customers

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The Newsweek logo, featuring the word "Newsweek" in a large, white, sans-serif font on a solid red rectangular background.The Wiley logo, featuring the word "WILEY" in a large, black, serif font.

# Startup resources

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- AWS Activate
- AWS Startup Events
- AWS Lofts

# Public sector entities

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- Government
- Education
- Nonprofits

# Key takeaways

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- Benefits of AWS:
  - Agility
  - Elasticity
  - Cost savings
  - Rapid deployment

The background features a series of diagonal stripes in various shades of teal, light blue, and dark navy, creating a layered effect that tapers towards the bottom right.

# Thank You