AWS SUMMIT ONLINE



LAU01

A newbie's guide to getting started with AWS

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Introduction to cloud computing

Considerations when moving to the cloud

Overview of AWS

Basic services and solutions

Getting started

Introduction to cloud computing



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What is cloud computing?

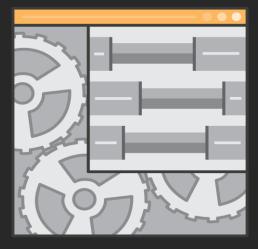


What is Amazon Web Services (AWS)?



Everything you'd want to do in a traditional datacenter

Provision network, compute, storage, and database services in the cloud with the click of a button



Run applications – **reliably** and **securely**

What sets AWS apart?



Customers move to the cloud for multiple reasons



Cost reduction

Agility and dev productivity



Innovation and digital transformation



Data centre consolidation

Colocation or outsourcing contract changes



Acquisitions or divestitures

Increase agility and developer productivity





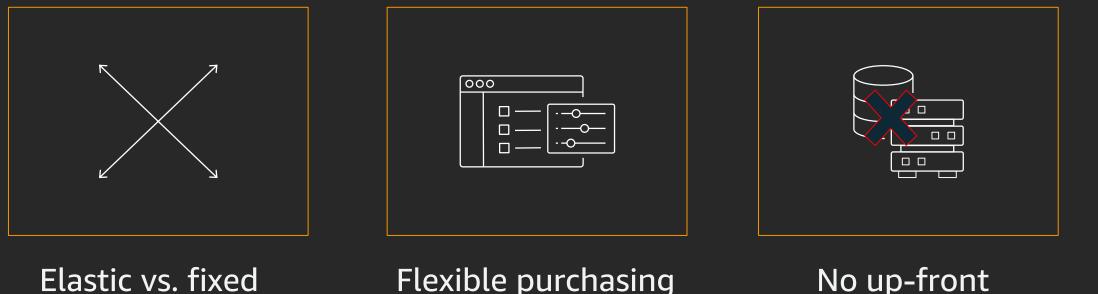


Use existing staff for higher-value work

Create momentum to grow new skills and processes

Invent and iterate with flexible resources

Free up financial resources



capacity

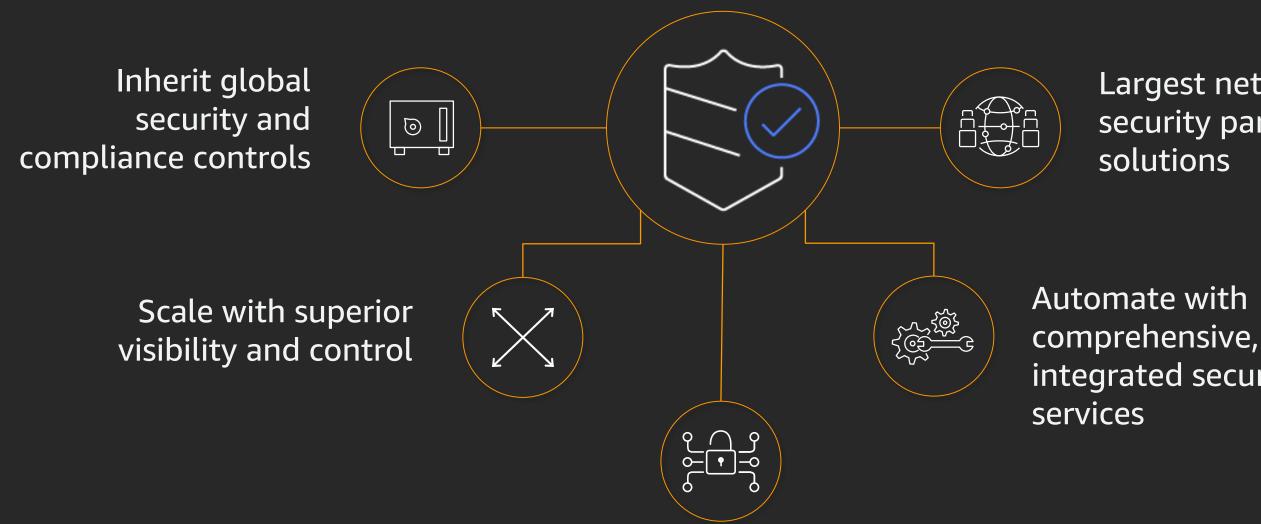
Flexible purchasing models

No up-front capital



Continually optimise costs

Elevate security



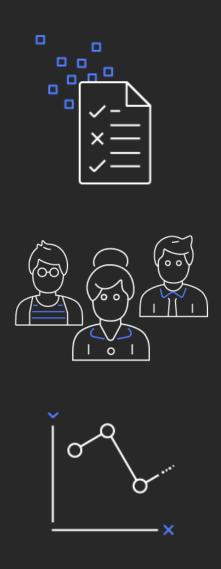
Highest standards for privacy and data security

Largest network of security partners and solutions

integrated security

Gain faster, deeper insights

Transform data into value, without compromising on security or governance



Speed decision-making to support your business

Deepen customer relationships

Reduce business risk

Improve operational resilience

Customer benchmarking insights

Before AWS After AWS

of total monthly incidents



reduction total monthly incidents

reduction in unplanned downtime

94%

Source: n = 500 AWS Customers. AWS Cloud Economics Benchmarking, August 2018.

Considerations when moving to the cloud



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Considerations when moving to the cloud

- Leadership alignment
- Breadth and depth
- Modernisation
- Data at scale
- Machine learning
- Breaking through barriers

Source: Andy Jassy's re:Invent 2019 keynote



AWS overview



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Customer obsessed



90% of roadmap originates with customer requests and are designed to meet specific needs

Global platform

AWS global network • Redundant 100 GbE network • 100% encrypted between facilities Private network capacity between all AWS Regions except China

AWS global infrastructure

- 24 AWS Regions with 76 Availability Zones
- 5 new AWS Regions coming soon: Indonesia, Italy, Japan, South Africa, Spain
- 16 new AZs planned

216 CloudFront PoPs

- 205 edge locations
- 11 regional edge caches
- 84 cities across 42 countries

Expansive ecosystem



Thousands of the world's largest technology and consulting companies

48+ global premier consulting partners

12+ Enterprise-focused competencies



4,200+ products available for 1-click deployment across 35 distinct product categories

Customers run over 143M hours of software per month

Critical certifications and compliance programs































cloud security alliance™

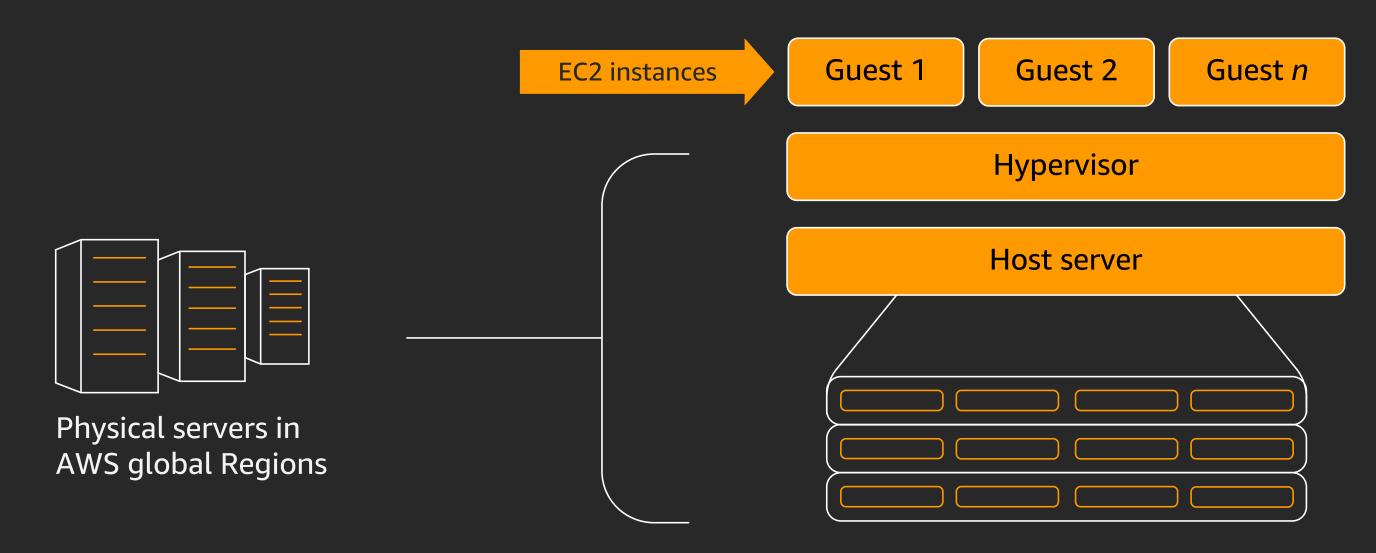
Basic services and solutions



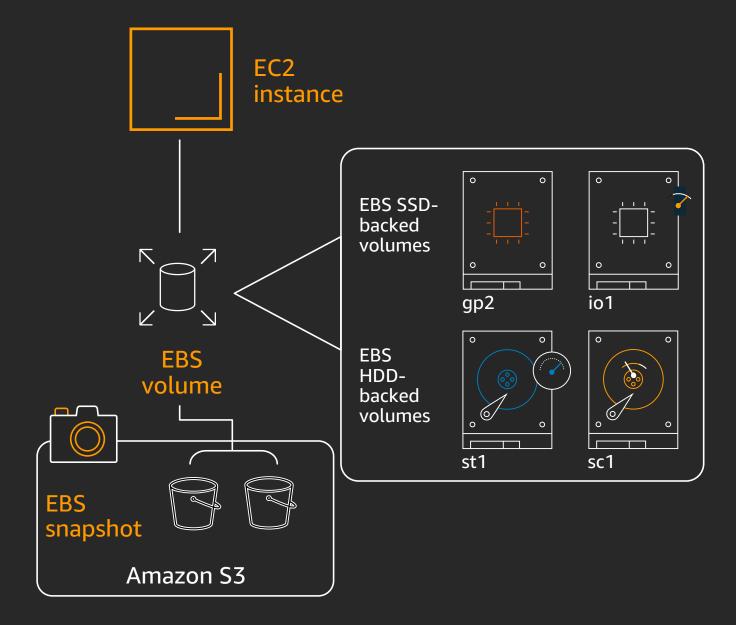
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Amazon EC2

Virtual servers in the cloud



Amazon Elastic Block Store (Amazon EBS)



Block storage as a service

Create, attach, modify through an API

Select storage and compute based on your workload

Detach and attach between instances

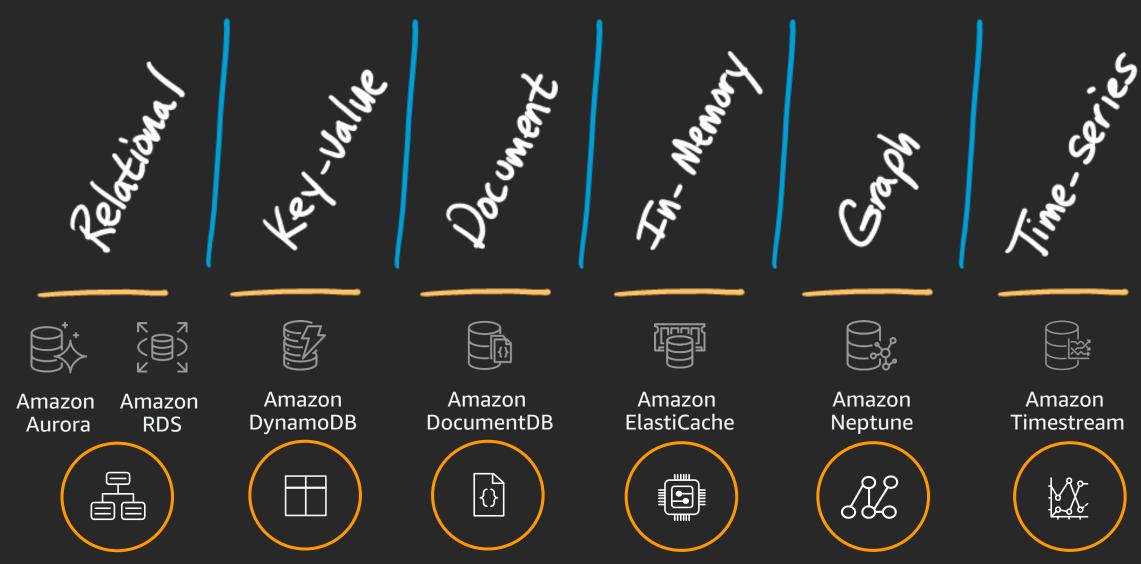
Choice of magnetic and SSD-based volume types

Supports snapshots: Point-in-time backup of modified volume blocks

e nrough an API oute based

een instances SSD-based

Purpose-built databases









Amazon S3



Durable, available, exabyte-scalable

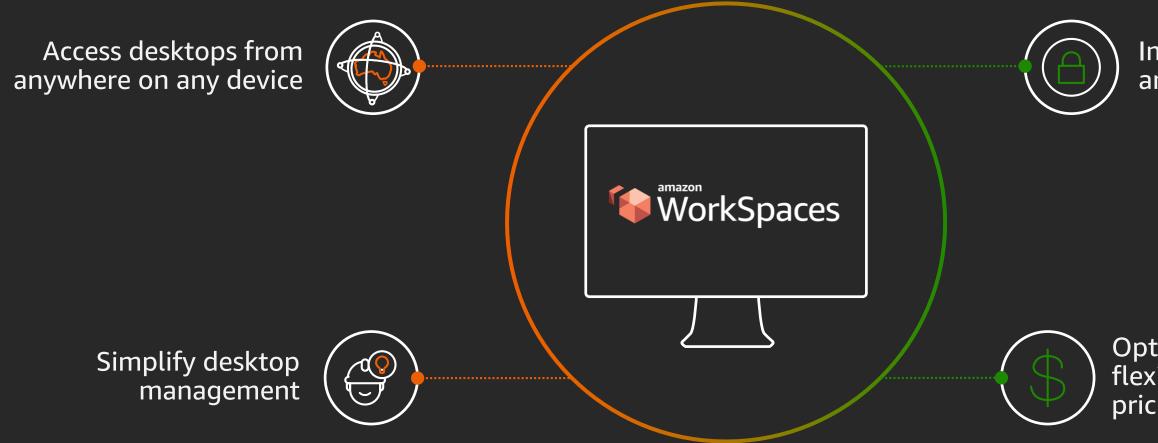
Secure, compliant, auditable

High performance

Low-cost storage and analytics

Broad network integration

Amazon WorkSpaces



Fully managed, secure Linux or Windows desktops on AWS

Improve security and compliance posture

Optimise costs with flexible bundles and pricing options



AppStream 2.0



Deliver desktop applications to any computer

It integrates with existing IT

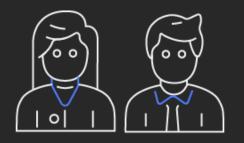
Scale without infrastructure

Getting started



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Reach out to your AWS account team **Engage Cloud Economics** for a business case



Check our whitepapers, guides, and videos



Engage AWS partners for assistance

Build skills through training



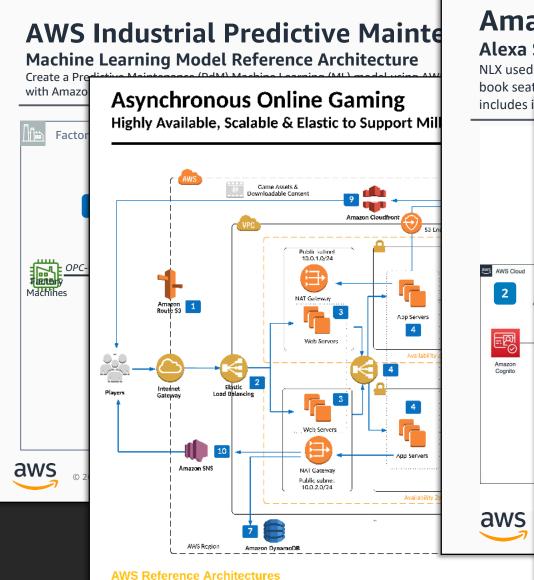
AWS Quick Starts

Automated, gold-standard deployments in the AWS Cloud

Quick Starts are built by AWS solur on AWS best practices for security just a few steps, so you can build y Each Quick Start includes AWS Clo architecture and provides step-by-	and high availability. These your production environment oudFormation templates that	accelerators reduce t quickly and start u t automate the dep	hundreds of manual procusing it immediately.	edures into	buildin AWS C	LSO tterns, tech ng Quick St cloud DevO tructure &	
Clear all filters	Q Search Quick Starts						
Filter by use case	1-15 (173)				Sort by:	Last upda	
AnalyticsBlockchain	DEVOPS	UPDATED	SECURITY, IDENTITY, COMPLIANCE	UPDATED	IBM CO MICROS	NTAINERS 8 ERVICES	
Business productivityCommunications	Quick Start	Quick Start		Quick Start		Quick Start	
Contact centerContainers & microservices	(H) Hash	HashiCorp		Security Standards Council		I	
Data lakes							

Reference architectures

Any workload – and guidance along the way

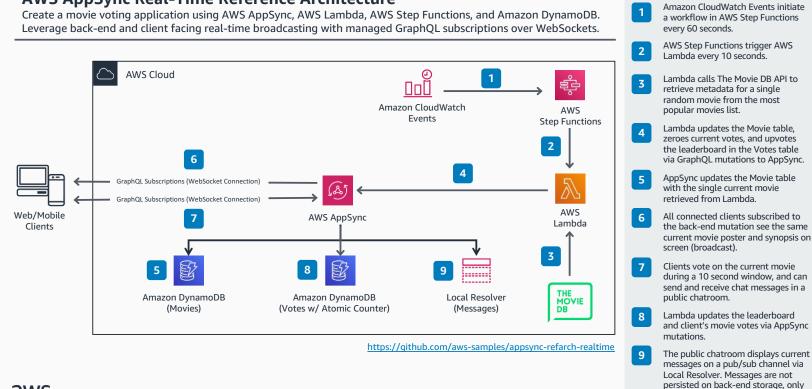


Amazon Alexa Skill for Airlines

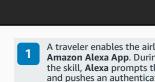
Alexa Skill for Booking and Managing Air Travel

NLX used Amazon Web Services (AWS) to implement an Alexa Skill for airlines that enables travelers to check in, book seat upgrades, check their flight status, and more, all done seamlessly via voice. The implementation

Serverless Web App Real-Time Data Broadcasting AWS AppSync Real-Time Reference Architecture



aws



A traveler enables the airline's Alexa Skill in their Amazon Alexa App. During their first interaction with the skill. Alexa prompts the customer to authenticate and pushes an authentication card to the Amazon Alexa App.

The authentication flow is built as a serverless website oved using Amazon S3 Amazon API Gateway and

new messages are displayed.

In summary

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Thank you!

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