



Architecting on AWS

Reference Material - v4.0

July 2021



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Introduction	2
Whitepapers	2
AWS Documentation	2
Well-Architected Framework	2
Cheat Sheets	3
AWS - FAQs - https://aws.amazon.com/faqs	3
Compute	3
Storage	3
Database	3
Networking and Content Delivery	4
Management Tools	4
AI and ML	4
Analytics	4
Security, Identity, & Compliance	5
Application Integration	5
Billing & Support	5
What's new at AWS	5
Knowledge Center - AWS Support	6
Videos	7
AWS Cost Management & Artifact	8
AWS Cost Management Pricing	8
AWS Cost Management Pricing	8
AWS Simple Monthly Calculator	8
AWS Total Cost of Ownership (TCO) Calculator	8
AWS Artifact - Getting Started	8
Access Compliance Reports	8
AWS Artifact Documentation	8
Training and Certification	8
AWS Certification	8

Introduction

1. [What is Cloud Computing?](#)
2. [Overview of AWS Cloud Adoption Framework](#)
3. [The Business Value of AWS](#)
4. [Architecting for the Cloud](#)

Whitepapers

1. [Overview of AWS Services](#)
2. [How AWS Pricing Works](#)
3. [AWS Storage Services Overview](#)
4. [AWS Security Best Practices](#)

AWS Documentation

- [Guides and API References](#)

Well-Architected Framework

- [AWS Well-Architected Framework](#)
- [Reliability Pillar](#)
- [Security Pillar](#)
- [Performance Efficiency Pillar](#)
- [Cost Optimization Pillar](#)
- [Operational Excellence Pillar](#)

Cheat Sheets

- [Comparison of AWS Services](#)
- [AWS Compute Services](#)
- [AWS Database Services](#)
- [AWS Storage Services](#)
- [AWS Management Tools](#)
- [AWS Networking and Content Delivery](#)
- [AWS Billing and Cost Management](#)
- [AWS Well-Architected Framework](#)

AWS - FAQs

FAQs Home - <https://aws.amazon.com/faqs>

Compute

Amazon EC2	AWS Elastic Beanstalk	Elastic Load Balancing
Amazon EC2 Auto Scaling	AWS Lambda	EC2 Savings plans
EC2 Image Builder		

Storage

Amazon EBS	Amazon FSx for Windows File Server	AWS Snowball
Amazon EFS		AWS Snowmobile
Amazon FSx for Lustre	Amazon S3	AWS Storage Gateway
AWS Snowcone	Amazon S3 Glacier	

Database

Amazon Aurora	Amazon	AWS Database
Amazon RDS	ElastiCache	Migration Service
Amazon	Amazon Redshift	
DynamoDB	Amazon Neptune	

Networking and Content Delivery

Amazon VPC	Amazon API	AWS Transit
Amazon	Gateway	Gateway
CloudFront	AWS Direct	
Amazon Route 53	Connect	

Management Tools

Amazon	Amazon	AWS Management
CloudWatch	CloudTrail	Console
AWS Auto Scaling	Amazon Config	AWS Managed
AWS	AWS Trusted	Services
CloudFormation	Advisor	AWS Quick Starts

AI and ML

AWS Comprehend	AWS Rekognition	AWS Translate
AWS Lex	Amazon Machine	AWS Transcribe
AWS Polly	Learning	

Analytics

Amazon Athena	Amazon	AWS Data Pipeline
Amazon Elastic	Elasticsearch	
MapReduce	Amazon Kinesis	

Security, Identity, & Compliance

AWS Identity and Access Management (IAM)	AWS Certificate Manager	AWS Organizations
Amazon Cognito	AWS CloudHSM	AWS Single Sign-On
AWS GuardDuty	AWS Directory Service	AWS Shield
Amazon Inspector	AWS Key Management Service	AWS WAF
Amazon Macie		AWS Artifact

Application Integration

Amazon MQ	Amazon SNS	Amazon SES
Amazon SQS		

Billing & Support

AWS Billing	AWS Pricing Calculator
AWS Support	

What's new at AWS

<https://aws.amazon.com/new/>

Knowledge Center - AWS Support

1. [Amazon EC2](#)
2. [Amazon S3](#)
3. [Amazon RDS](#)
4. [Amazon CloudFront](#)
5. [Account Management](#)
6. [Billing Management](#)
7. [Amazon SNS](#)
8. [Amazon Elastic Block Store \(Amazon EBS\)](#)
9. [Amazon File System \(Amazon EFS\)](#)
10. [Amazon Glacier](#)
11. [AWS Organizations](#)
12. [AWS CloudFormation](#)
13. [AWS Elastic Beanstalk](#)
14. [AWS Lambda](#)
15. [Amazon Elastic Container Service](#)
16. [Amazon Elastic Service for Kubernetes](#)
17. [Amazon ElastiCache](#)
18. [Amazon CloudWatch](#)
19. [AWS Snowball](#)
20. [Amazon API Gateway](#)
21. [AWS Direct Connect](#)
22. [Elastic Load Balancing](#)
23. [Amazon Route 53](#)
24. [AWS Certificate Manager](#)
25. [AWS CloudHSM](#)
26. [AWS CloudTrail](#)
27. [Amazon Cognito](#)
28. [AWS Config](#)
29. [Amazon GuardDuty](#)
30. [AWS Identity and Access Management](#)
31. [Amazon Inspector](#)
32. [AWS Key Management Service](#)
33. [AWS WAF](#)
34. [AWS Transit Gateway](#)
35. [Amazon Virtual Private Cloud \(VPC\)](#)
36. [AWS Support](#)
37. [AWS Tools and SDKs](#)

Videos

Basics

- [What is cloud computing?](#)
- [What is AWS?](#)

Compute

- [Introduction to Amazon EC2](#)
- [Introduction to AWS Lambda](#)

Storage

- [Getting Started with Amazon S3](#)
- [Introduction to Amazon S3](#)
- [AWS Storage Gateway](#)
- [Elastic Block Store \(EBS\)](#)

Networking

- [Networking Fundamentals](#)
- [Cloudfront Introduction](#)

Databases

- [How to choose a database on AWS?](#)

Case Studies

- [Netflix](#)
- [McDonald's](#)
- [Dream 11](#)
- [Under Armour](#)
- [PayU](#)

Demos

- [How to build a simple web application using AWS?](#)
- [Architecture Best Practices Playlist](#)

AWS Cost Management & Artifact

AWS Cost Management Pricing

- [AWS Cost Management Pricing](#)

AWS Simple Monthly Calculator

- [AWS Simple Monthly Calculator](#)

AWS Total Cost of Ownership (TCO) Calculator

- [AWS TCO Calculator](#)

AWS Artifact - Getting Started

Access Compliance Reports

- [AWS Artifact Documentation](#)

Training and Certification

AWS Certification

- [AWS Certification](#)
- [Learning Paths](#)
- [Certificate Preparation](#)
- [AWS Certified Solutions Architect - Associate](#)
- [Exam Guide](#)
- [Sample Questions](#)
- [AWS Certification](#)
- [AWS Exams \(Online Proctored Exam\)](#)



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