AWS Services Oveview

Analytics

AWS Services	Equivalents	Quickie	Descriptions
Amazon Athena		SQL on S3 data	An interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL.
Amazon EMR		Parallel processing of big data	Provides a managed Hadoop framework that makes it easy, fast, and cost-effective to process vast amounts of data across dynamically scalable Amazon EC2 instances.
Amazon CloudSearch		Create search application	Set up, manage, and scale a search solution for your website or application.
Amazon Elasticsearch Service			Deploy, secure, operate, and scale Elasticsearch to search, analyze, and visualize data in real-time.
Amazon Kinesis			Collect, process, and analyze real-time, streaming data so you can get timely insights and react quickly to new information.
Amazon Kinesis Data Firehose			Capture, transform, and load streaming data into Amazon S3, Amazon Redshift, Amazon Elasticsearch Service, and Splunk
Amazon Kinesis Data Analytics			Analyze streaming data, gain actionable insights, and respond to your business and customer needs in real time.
Amazon Kinesis Data Streams			Continuously capture gigabytes of data per second from hundreds of thousands of sources such as website clickstreams, database event streams, financial transactions, social media feeds, IT logs, and location-tracking events.
Amazon Kinesis Video Streams			Securely stream video from connected devices to AWS for analytics, machine learning (ML), playback, and other processing.
Amazon Redshift		Data warehouse	Data warehouse that makes it simple and cost-effective to analyze all your data across your data warehouse and data lake.
Amazon QuickSight	Science Logic	Graph data	Cloud-powered business intelligence (BI) service that makes it easy for you to deliver insights to everyone in your organization.
AWS Data Pipeline			Process and move data between different AWS compute and storage services, as well as on premises data sources, at specified intervals.
AWS Glue		Extract, Transform, Load (ETL)	Fully managed extract, transform, and load (ETL) service that makes it easy for customers to prepare and load their data for analytics.

AWS Services	Equivalents	Quickie	Descriptions
AWS Lake Formation			A data lake is a centralized, curated, and secured repository that stores all your data, both in its original form and prepared for analysis.
Amazon Managed Streaming for Kafka (MSK)			Build and run applications that use Apache Kafka to process streaming data. Apache Kafka is an open-source platform for building real-time streaming data pipelines and applications.

Application Integration

AWS Services	Equivalents	Quickie	Descriptions
AWS Step Functions		Stitch Lambda Functions together	You can design and run workflows that stitch together services such as AWS Lambda and Amazon ECS into feature-rich applications.
Amazon MQ			Message broker service for Apache ActiveMQ
Amazon SQS		Simple App Queue Services	A fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications.
Amazon SNS		Email, SMS, mobile push	Fully managed pub/sub messaging service
Amazon SWF			Build, run, and scale background jobs that have parallel or sequential steps.

AR and VR

AWS Services	Equivalents	Quickie	Descriptions
Amazon Sumerian		VR, AR	Create and run virtual reality (VR), augmented reality (AR), and 3D applications

AWS Cost Management

AWS Services	Equivalents	Quickie	Descriptions
AWS Cost Explorer			Visualize, understand, and manage your AWS costs and usage over time.
AWS Budgets			Set custom budgets that alert you when your costs or usage exceed (or are forecasted to exceed) your budgeted amount.
AWS Cost & Usage Report			A single location for accessing comprehensive information about your AWS costs and usage.
Reserved Instance (RI) Reporting			Visualize your RI data at an aggregate level or inspect a particular RI subscription.

Blockchain

AWS Services	Equivalents	Quickie	Descriptions
Amazon Managed Blockchain		Blockchain	Create and manage scalable blockchain networks using the popular open source frameworks Hyperledger Fabric and Ethereum.

Business Applications

AWS Services	Equivalents	Quickie	Descriptions
Alexa for Business		Voice Commands	Use Alexa as their intelligent assistant to be more productive in meeting rooms, at their desks, and even with the Alexa devices they already have at home.
Amazon WorkDocs	Sharepoint	Document sharing/repository	Enterprise storage and sharing service with strong administrative controls and feedback capabilities that improve user productivity.
Amazon WorkMail	Gmail, Webmail	Email (IMAP) and calendar service	Managed business email and calendar service with support for existing desktop and mobile email client applications.
Amazon Chime	WebEx, MS Team	Collab, Meeting, video bridge, IM	Online meetings, video conferencing, calls, chat, and to share content, both inside and outside your organization.

Compute

AWS Services	Equivalents	Quickie	Descriptions
Amazon EC2	VMWare	VM	Provides secure, resizable compute capacity in the cloud.
Amazon EC2 Auto Scaling		Auto Scale Out	Automatically add or remove EC2 instances according to conditions you define.
Amazon Elastic Container Registry			Fully-managed Docker container registry that makes it easy for developers to store, manage, and deploy Docker container images.
Amazon Elastic Container Service	Docker	Docker	Container orchestration service that supports Docker containers and allows you to easily run and scale containerized applications on AWS.

AWS Services	Equivalents	Quickie	Descriptions
Amazon Elastic Container Service for Kubernetes	Docker	Kubernetes	Deploy, manage, and scale containerized applications using Kubernetes on AWS.
Amazon Lightsail		VM + OS + Apps	Launch and manage a virtual private server with AWS.
AWS Batch			Enables developers, scientists, and engineers to easily and efficiently run hundreds of thousands of batch computing jobs on AWS.
AWS Elastic Beanstalk		Orchestration tools EC2, Load Balancer, Apps	Service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and Internet Information Services (IIS)
AWS Fargate			Run containers without having to manage servers or clusters.
AWSLambda		Serverless, FaaS	Lets you run code without provisioning or managing servers.
AWS Serverless Application Repository			Enables you to quickly deploy code samples, components, and complete applications for common use cases such as web and mobile back-ends, event and data processing, logging, monitoring, IoT, and more.
AWS Outposts			Bring native AWS services, infrastructure, and operating models to virtually any data center, co-location space, or on-premises facility
VMware Cloud on AWS		VMWare on AWS	Allows organizations to seamlessly migrate and extend their on-premises VMware vSphere-based environments to the AWS Cloud running on next generation Amazon Elastic Compute Cloud (Amazon EC2) bare metal infrastructure.

Customer Engagement

AWS Services	Equivalents	Quickie	Descriptions
Amazon Connect	IPScape	Contact Centre	Self-service, cloud-based contact center service that makes it easy for any business to deliver better customer service at lower cost.
Amazon SES		SMTP	Cloud-based email sending service designed to help digital marketers and application developers send marketing, notification, and transactional emails.

Database

AWS Services	Equivalents	Quickie	Descriptions
Amazon Aurora	Oracle	Contact Centre	MySQL and PostgreSQL compatible relational database engine that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases.
Amazon RDS		MySQL, PostgresSQL SQL Server, Oracle, MariaDB	Set up, operate, and scale a relational database in the cloud.
Amazon RDS on VMWare		On Premise RDS	Deploy managed databases in on-premises VMware environments using the Amazon RDS technology
Amazon DynamoDB		NoSQL	Key-value and document database that delivers single digit millisecond performance at any scale.
Amazon ElastiCache		Store Web Session data	Deploy, operate, and scale an in-memory cache in the cloud.
Amazon Neptune			Fully-managed graph database service that makes it easy to build and run applications that work with highly connected datasets.
Amazon Quantum Ledger Database (QLDB)		Data change history immutable	Fully managed ledger database that provides a transparent, immutable, and cryptographically verifiable transaction log owned by a central trusted authority.
Amazon Timestream		IOT	Fully managed time series database service for IoT - data that measures how things change over time

Desktop and App Streaming

AWS Services	Equivalents	Quickie	Descriptions
Amazon WorkSpaces	VDI	VDI	Fully managed, secure cloud desktop service.
Amazon AppStream 2.0	Citrix	Citrix	Centrally manage your desktop applications on AppStream 2.0 and securely deliver them to any computer.

Developer Tools

AWS Services	Equivalents	Quickie	Descriptions
AWS CodeCommit		Git-hub	Fully-managed source control service that hosts secure Git-based repositories.

AWS Services	Equivalents	Quickie	Descriptions
AWS CodeBuild		Compiler	Fully managed build service that compiles source code, runs tests, and produces software packages that are ready to deploy.
AWS CodeDeploy			Automates code deployments to any instance, including EC2 instances and instances running on premises.
AWS CodePipeline		Build, Test, Deploy	Fully managed continuous delivery service that helps you automate your release pipelines for fast and reliable application and infrastructure updates.
AWS CodeStar			Provides a unified user interface, enabling you to easily manage your software development activities in one place.
Amazon Corretto			No-cost, multiplatform, production-ready distribution of the Open Java Development Kit (OpenJDK).
AWS Cloud9		Lambda IDE	Cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser.
AWS X-Ray		Debug	Analyze and debug distributed applications in production or under development, such as those built using a microservices architecture.

Game Tech

AWS Services	Equivalents	Quickie	Descriptions
Amazon GameLift			Managed service for deploying, operating, and scaling dedicated game servers for session-based multiplayer games.
Amazon Lumberyard			A free, cross-platform, 3D game engine for you to create the highest-quality games, connect your games to the vast compute and storage of the AWS Cloud, and engage fans on Twitch.

Internet of Things (IoT)

AWS Services	Equivalents	Quickie	Descriptions
AWS IoT Core			Managed cloud service that lets connected devices easily and securely interact with cloud applications and other devices.
Amazon FreeRTOS		Microcontroller OS	An operating system for microcontrollers that makes small, low-power edge devices easy to program, deploy, secure, connect, and manage.

AWS Services	Equivalents	Quickie	Descriptions
AWS IoT Greengrass			Extends AWS to devices so they can act locally on the data they generate, while still using the cloud for management, analytics, and durable storage.
AWS IoT 1-Click			A service that enables simple devices to trigger AWS Lambda functions that can execute an action.
AWS IoT Analytics			A fully-managed service that makes it easy to run and operationalize sophisticated analytics on massive volumes of IoT data
AWS IoT Button		IOT Device	A programmable button based on the Amazon Dash Button hardware.
AWS IoT Device Defender			A fully managed service that helps you secure your fleet of IoT devices.
AWS IoT Device Management			Securely onboard, organize, monitor, and remotely manage IoT devices at scale.
AWS IoT Events			A fully managed IoT service that makes it easy to detect and respond to events from IoT sensors and applications.
AWS IoT SiteWise			A managed service that makes it easy to collect and organize data from industrial equipment at scale.
AWS IoT Things Graph			A service that makes it easy to visually connect different devices and web services to build IoT applications.
AWS Partner Device Catalog		Catalog of Sensors/IOT	Helps you find devices and hardware to help you explore, build, and go to market with your IoT solutions.

Machine Learning

AWS Services	Equivalents	Quickie	Descriptions
Amazon SageMaker			A fully-managed platform that enables developers and data scientists to quickly and easily build, train, and deploy machine learning models at any scale.
Amazon SageMaker Ground Truth			Build highly accurate training datasets for machine learning quickly.
Amazon Comprehend			A natural language processing (NLP) service that uses machine learning to find insights and relationships in text

AWS Services	Equivalents	Quickie	Descriptions
Amazon Lex		Speech recognition	A service for building conversational interfaces into any application using voice and text.
Amazon Polly		Text to Speech	A service that turns text into lifelike speech
Amazon Rekognition		Image object Recognition	Add image analysis to your applications.
Amazon Translate		Language Translation	A neural machine translation service that delivers fast, high-quality, and affordable language translation.
Amazon Transcribe		Audio to Text	An automatic speech recognition (ASR) service that makes it easy for developers to add speech-to-text capability to their applications.
Amazon Elastic Inference			Attach low-cost GPU-powered acceleration to Amazon EC2 and Amazon SageMaker instances to reduce the cost of running deep learning inference by up to 75%.
Amazon Forecast		Forecast	A fully managed service that uses machine learning to deliver highly accurate forecasts.
Amazon Textract		OCR	A service that automatically extracts text and data from scanned documents.
Amazon Personalize			A machine learning service that makes it easy for developers to create individualized recommendations for customers using their applications
Amazon Deep Learning AMIs			Provide machine learning practitioners and researchers with the infrastructure and tools to accelerate deep learning in the cloud, at any scale.
AWS DeepLens		Video Camera	A fully programmable video camera, tutorials, code, and pre-trained models designed to expand deep learning skills.
AWS DeepRacer		Model Car	A 1/18th scale race car which gives you an interesting and fun way to get started with reinforcement learning (RL)
Apache MXNet on AWS			A fast and scalable training and inference framework with an easy-to-use, concise API for machine learning.
TensorFlow on AWS			Enables developers to quickly and easily get started with deep learning in the cloud.
AWS Inferentia			A machine learning inference chip designed to deliver high performance at low cost.

Management and Governance

AWS Services	Equivalents	Quickie	Descriptions
Amazon CloudWatch		Monitor CPU	A monitoring and management service built for developers, system operators, site reliability engineers (SRE), and IT managers.
AWS Auto Scaling			Monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.
AWS Control Tower			Automates the set-up of a baseline environment, or landing zone, that is a secure, well-architected multi-account AWS environment.
AWS Systems Manager			Provides a unified user interface so you can view operational data from multiple AWS services and allows you to automate operational tasks across your AWS resources.
AWS CloudFormation		Infrastructure As Code	Create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion.
AWS CloudTrail		Audit Trail	Records AWS API calls for your account and delivers log files to you.
AWS Config			A fully managed service that provides you with an AWS resource inventory, configuration history, and configuration change notifications to enable security and governance.
AWS OpsWorks			A configuration management service that provides managed instances of Chef and Puppet. Chef and Puppet are automation platforms that allow you to use code to automate the configurations of your servers.
AWS Service Catalog			Create and manage catalogs of IT services that are approved for use on AWS.
AWS Trusted Advisor			An online resource to help you reduce cost, increase performance, and improve security by optimizing your AWS environment
AWS Personal Health Dashboard			Provides alerts and remediation guidance when AWS is experiencing events that might affect you.

AWS Services	Equivalents	Quickie	Descriptions
AWS Managed Services			Provides ongoing management of your AWS infrastructure so you can focus on your applications.
AWS Console Mobile Application		AWS Console on Mobile	Lets customers view and manage a select set of resources to support incident response while on-the-go.
AWS License Manager			Manage licenses in AWS and on premises servers from software vendors such as Microsoft, SAP, Oracle, and IBM.
AWS Well-Architected Tool			Review the state of your workloads and compares them to the latest AWS architectural best practices.

Media Services

AWS Services	Equivalents	Quickie	Descriptions
Amazon Elastic Transcoder		Transcode video	Media transcoding in the cloud.
AWS Elemental MediaConnect	WMT	Live video streaming	A high-quality transport service for live video.
AWS Elemental MediaConvert	WMT	Video ondemand	A file-based video transcoding service with broadcast-grade features.
AWS Elemental MediaLive		Encoder	A broadcast-grade live video processing service.
AWS Elemental Media Package		DRM/Package	Reliably prepares and protects your video for delivery over the Internet.
AWS Elemental MediaStore			An AWS storage service optimized for media.
AWS Elemental MediaTailor		Advertising	Lets video providers insert individually targeted advertising into their video streams without sacrificing broadcast-level quality-ofservice.

Migration and Transfer

AWS Services	Equivalents	Quickie	Descriptions
AWS Migration Hub			Provides a single location to track the progress of application migrations across multiple AWS and partner solutions.
AWS Application Discovery Service			Helps enterprise customers plan migration projects by gathering information about their on-premises data centers.
AWS Database Migration Service		Migrate Database	Migrate databases to AWS easily and securely.

AWS Services	Equivalents	Quickie	Descriptions
AWS Server Migration Service			An agentless service which makes it easier and faster for you to migrate thousands of on-premises workloads to AWS.
AWS Snowball		Snowball Appliance	A petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of AWS.
AWS Snowball Edge		Snowball + Lambda	A data migration and edge computing device that comes in two options.
AWS Snowmobile		Snowball on truck	An exabyte-scale data transfer service used to move extremely large amounts of data to AWS.
AWS DataSync			A data transfer service that makes it easy for you to automate moving data between on-premises storage and Amazon S3 or Amazon Elastic File System (Amazon EFS).
AWS Transfer for SFTP		SFTP	A fully managed service that enables the transfer of files directly into and out of Amazon S3 using the Secure File Transfer Protocol (SFTP)

Mobile

AWS Services	Equivalents	Quickie	Descriptions
AWS Amplify		Mobile App Backend	Create, configure, and implement scalable mobile applications powered by AWS.
Amazon Cognito		Mobile Auth	Lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily.
Amazon Pinpoint			Makes it easy to send targeted messages to your customers through multiple engagement channels.
AWS Device Farm			An app testing service that lets you test and interact with your Android, iOS, and web apps on many devices at once, or reproduce issues on a device in real time.
AWS AppSync			A serverless back-end for mobile, web, and enterprise applications.

Networking and Content Delivery

AWS Services	Equivalents	Quickie	Descriptions
AWS Amplify		Mobile App Backend	Create, configure, and implement scalable mobile applications powered by AWS.

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Last update: **2024/02/23 07:03**