1. Amazon EC2 (Elastic Compute Cloud)

EC2 is a cloud platform provided by Amazon that offers secure, and resizable compute capacity. Its purpose is to enable easy access and usability to developers for web-scale cloud computing, while allowing for total control of your compute resources.

Deploy applications rapidly without the need for investing in hardware upfront; all the while able to launch virtual servers as-needed and at scale.

2. Amazon RDS (Relational Database Services)

Amazon Relational Database Service (Amazon RDS) makes database configuration, management, and scaling easy in the cloud. Automate tedious tasks such as hardware provisioning, database arrangement, patching, and backups – cost-effectively and proportionate to your needs.

RDS is available on various database instances which are optimized for performance and memory, providing six familiar database engines including Amazon Aurora, PostgreSQL, MySQL, MariaDB, Oracle. database, and SQL server. By leveraging the AWS Database Migration Service, you can easily migrate or reproduce your existing databases to Amazon RDS. Visit Amazon's RDS page

Bonus Service: Amazon Connect

Amazon Connect is contact center built on the AWS cloud that is easy to set up and deploy. Benefit from industry-leading features, such as telephony, chat, routing, task management, and much more.

3. Amazon S3 (Simple Storage Service)

Amazon S3, at its core, facilitates object storage, providing leading scalability, data availability, security, and performance. Businesses of vast sizes can leverage S3 for storage and protect large sums of data for various use cases, such as websites, applications, backup, and more.

Amazon S3's intuitive management features enable the frictionless organization of data and configurable access controls.

4. Amazon Lambda

Lambda permits you to run code without owning or managing servers. Users only pay for the compute time consumed.

Operate code for nearly any application or backend utility without administration. Users just upload the code, and Lambda does the rest, which provides precise software scaling and extensive availability.

5. Amazon Cognito

AWS Cognito administers a control access dashboard for on-boarding users through sign-up, and sign-in features to their web and mobile apps. AWS Cognito scales to millions of users and offers sign-in support with social identity providers including Facebook, Google, and Amazon, along with enterprise identity providers via SAML 2.0.

6. Amazon Glacier

AWS Glacier services are secure, flexible, and affordable Amazon S3 cloud storage classes for data caching and prolonged backup. These storage classes ensure confident delivery while ensuring comprehensive security and compliance capabilities, while fulfilling the regulatory prerequisites.

Users can store as little as $1 per terabyte monthly; meanwhile, helping them save both up-front and long-term when compared to their on-premises servers.

7. [Amazon SNS (Simple Notification Service)](#)

Amazon SNS is a fully managed messaging solution that provides low-cost infrastructure for bulk message delivery, primarily to mobile users. Users can chat directly with customers through system-to-system or app-to-person communication between decoupled microservice apps.

8. [Amazon Lightsail](#)

Amazon Lightsail is an easy on-ramp for users who are getting started with AWS and just need virtual private servers. Lightsail has the tools required for a speedy product launch at a low and predictable price.

The resources included in Lightsail are virtual machines, SSD-based storage, data transfer, DNS management, and a static IP. After the provision of an instance, you can easily manage them within the Lightsail console, Lightsail API, or Lightsail command line interface.

9. [Amazon VPC (Virtual Private Cloud)](#)

Amazon VPC enables you to set up a reasonably isolated section of the AWS Cloud where you can deploy AWS resources at scale in a virtual environment. VPC gives you total control over your environment, which includes the option to choose your own IP address range, creation of subsets, and arrangement of route tables and network access points.

Easily customize the network configuration of your VPC with flexible dashboard management controls designed for maximum usability. For example, users can launch public-facing subnet for web servers with internet access.

10. [Amazon Kinesis](#)

Gain timely insights by leveraging Amazon Kinesis to collect, process, and analyze data in real-time, helping you react quickly. Key features inside AWS Kinesis are cost-efficient processing of streaming data at scale, and the option to choose tools best fit for your application.

Ingest real-time data, including video, audio, application records, website activity, and IoT telemetry data for machine learning and other apps. With Kineses, users can track, analyze, and process data in real-time, enabling instant response capabilities.

11. [Amazon Inspector](#)

Inspector provides automated security assessment to enhance security and compliance of apps deployed on AWS. AWS Inspector automates security audits to reveal vulnerabilities, exposures, and deviations.

After each assessment, Inspector displays a comprehensive list of security findings prioritized by the level of threat presented to your software - available on the user console or API.

12. [Amazon Auto-scaling](#)

The AWS Auto-scaling solution monitors your apps and automatically tunes capacity to sustain steady, predictable performance at the lowest possible price. Seamlessly configure application scaling abilities for various resources across multiple services almost instantly.

Auto-scaling has a feature-rich and straightforward user interface that enables you to build scaling plans for various assets. These resources include Amazon EC2 instances and Spot Fleets, EC2 tasks, Dynamo DB tables and indexes, and Amazon Aurora Replicas.

13. [Amazon IAM (Identity and Access Management)](#)

AWS Identity and Access Management provides secure access and management of resources in a secure and compliant manner. By leveraging IAM, you can create and manage users and groups by allowing and denying their permissions for individual resources.

There are no additional costs, people only get charged for the use of other services by their users.

14. [Dynamo DB](#)

DynamoDB is a document database with key-value structuring that delivers single-digit millisecond performance at scale. Dynamo has built-in security with a fully managed, multimaster, multiregion, durable database, backup and restore, and in-memory archiving for web-scale applications.

DynamoSB can manage upward of 10 trillion requests daily and can support thresholds of more than 20 million requests per second.

15. [Amazon SQS (Simple Queue Service)](#)

AWS SQS is a fully managed message queuing facility enabling you to decouple and scale microservices, distributed systems, and serverless apps. SQS purges the intricacies and overhead associated with managing and operating message-oriented middleware and permits developers to focus on diverse workloads.

With SQS, users can send, store, and receive messages between multiple software parts en masse, without losing message data or requiring the availability of other systems. SQS offers two classes of message queues, including standard queues, which provide maximum throughput and FIFO queues to guarantee that messages are processed only once, in the exact order the sequences occurred

16. [Amazon ElastiCache](#)

ElastiCache is an AWS service that effortlessly sets up, runs, and scales popular open-source, in-memory data storages in the cloud. Operate data-intensive apps or enhance the performance of existing databases by evaluating data from high throughput and low latency in-memory data stores.

AWS ElastiCache is a popular option for real-time use cases including caching, session stores, gaming, geospatial services, live analytics, and queuing. For high-maintenance applications that require sub-millisecond response times, ElastiCache offers fully managed Redis and Memcached applications.

Pro Tip: Save money on your AWS services by leveraging many of the cost-cutting tools offered by Amazon. AWS offers a spectrum of possibilities, with pay-as-you-go pricing that allows you to experiment before committing.

17. [Amazon Chime](#)

Chat, meet, and place business calls on Chimes communication service inside and outside of your application, all on a single platform. Leverage the same infrastructure and operations of Amazon Chime with audio calling, video calling, and screen sharing capabilities integrated directly to the Amazon Chime SDK.

Amazon Chime Voice Connector lets enterprises migrate their telephony workloads to AWS, supporting inbound and outbound calling functionality.

18. AWS Athena

Amazon Athena facilitates straightforward analysis of data stored in Amazon S3 by utilizing the standard Structured Query Language (SQL), Since Athena is serverless, there is no infrastructure to maintain, and you only pay for the

queries you execute. It's simple to get started with Athena. Simply specify the Amazon S3 bucket containing your data, specify the structure, and begin regular SQL queries.

19. CodeCatalyst

CodeCatalyst comes with a slew of continuous integration/continuous development (CI/CD) tools and can leverage other AWS services and be connected to other AWS projects on an account. As a collaborative tool, it is easy to introduce new members to the project and to log all activity or all tests from a single dashboard.

20. Web Application Firewall

AWS WAF (Web Application Firewall) is an online application firewall that helps protect your web applications or APIs against typical web exploits and bots that can cause availability issues, security compromises, or resource consumption issues.

21. AWS Amplify

AWS Amplify is a suite of purpose-built tools and capabilities meant to make building full-stack applications on AWS simpler for front-end web and mobile developers. Using Amplify's web and mobile app backends, users can create an app's front end graphically, connect the app in minutes, and manage content outside of Amazon's UI - even with minimal knowledge of cloud computing.

22. AWS Rekognition

Computer vision (CV) capabilities provided by Amazon Rekognition are pre-trained and programmable, making it easy to extract data and insights from images and videos. Pre-trained or configurable computer vision APIs can be swiftly integrated into your apps without the need to build machine learning (ML) models and infrastructure from scratch.

23. AWS QuickSight

Amazon's Quicksight aims to provide all members with the data they need when they need it in order to best make the decisions that will push the rest of the organization forward. This cloud-based service can distribute among organization members information that's not only easy to read, but in a timely manner to all levels.

24. AWS Cloudformation

Cloudformation is designed to tackle software-defined infrastructure - an IT setup where developers or operations teams continuously manage and provision the technological stack for an application via software, rather than manually configuring separate hardware devices and operating systems.

25. AWS Management Console

The AWS Management Console provides everything needed for running an application on a single interface. Everything from providing training to building applications, inspecting certifications, and training learning algorithms can be accessed from here