

AWS-MARKDOWN-Prasanna.R

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Introduction

AWS(Amazon Web Services) is a comprehensive, evolving cloud computing platform provided by Amazon. The **AWS** uses distributed IT infrastructure to provide different IT resources available on demand. It provides different services such as **platform as a service (PaaS)**, **infrastructure as a service (IaaS)**, and packaged **software as a service (SaaS)**.



In the year 2002 [Amazon.com](https://www.amazon.com) launched its first web services from the internal infrastructure that the company built to handle its online retail operations.

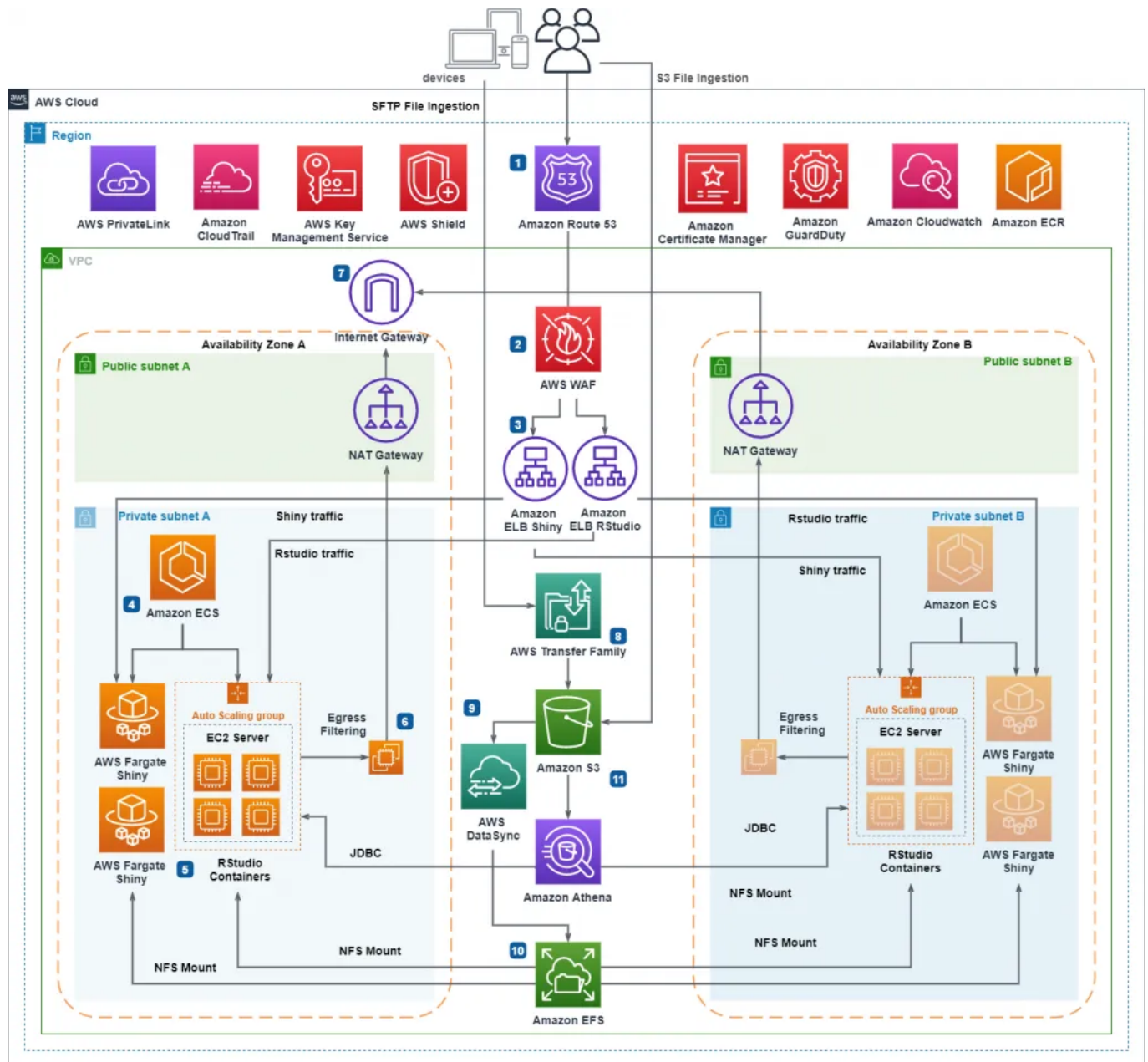
Since 2006 AWS is providing world-leading cloud technologies. AWS was one of the first companies to introduce a pay-as-you-go cloud computing model that provide users with compute, storage and output as needed.

AWS offers many different tools and products for enterprises and software developers in 245 countries and territories. Government agencies, education institutions, nonprofits and private organizations use AWS services.

Amazon Web Services is headquartered in Seattle, United States, and has 53 office locations. Features of AWS are represented in the image below.



AWS Architecture



Prerequisites

- User email address
- Phone number
- AWS account name
- Correspondence Address

How to setup AWS account

Part 1: Set up a new AWS account and secure the root user credentials. Follow the steps given below.

- Step 1: Sign up for an AWS account
- Step 2: Sign in as the root user
- Step 3: Activate MFA(Multi-factor authentication) for your AWS account root user

Part 2: Create an administrative user in IAM Identity Center. Follow the steps given below.

- Step 1: Enable IAM Identity Center
- Step 2: Choose your identity source
- Step 3: Create an administrative permission set
- Step 4: Set up AWS account access for an administrative user
- Step 5: Sign in to the AWS access portal with your administrative credentials

FAQ's

1.What is AWS Pay-as-you-go?

Pay-as-you-go model lowers the risk of overspending by allowing you to adjust your business based on actual needs rather than projections.

2.What is the AWS Free Tier?

The AWS Free Tier provides customers the ability to explore and try AWS services free of charge up to specified limits for each service.

3.What is IAM Identity Center?

AWS IAM Identity Center is the solution for connecting your workforce users to AWS managed applications and other AWS resources. You can then use IAM Identity Center for either or both of the following:

- User access to applications
- User access to AWS accounts

4.What is root user?

Root user defines the **account owner** or **account root user**. As the root user, you have complete access to all AWS services and resources in your AWS account.

Troubleshooting

1. I didn't receive the call from AWS to verify my new account.

If you don't receive the message or call, verify the following:

1. You have entered the correct phone number and selected the correct country code during the sign-up process.
2. If you're using a mobile phone, be sure that you have a cellular signal to receive SMS text messages or calls.
3. Check if the information that you entered for your payment method is correct.

Note: You can create a case with AWS Support even if your AWS account isn't activated.

2. I get an error about "maximum number of failed attempts" when I try to verify my AWS account by phone.

AWS Support can help you to manually activate your account. Follow these steps:

1. Sign in to your AWS account.
2. Open the AWS Support console , and then choose **Create case**.
3. Choose **Account and Billing Support**.
4. For **Type**, select **Account**.
5. For Category, select Activation.
6. In the Case description section, provide the details.
7. Choose Submit.

Note: User must refuse from giving sensitive information, such as credit card numbers, in any correspondence with AWS support.