

Homework

Task 1

1. What is a permission Boundary in AWS and provide a use case where you would use a permission Boundary?

Answer:

A permission boundary is an IAM policy attached to either an IAM role or an IAM user which helps restrict access or authorization in AWS.

Example:

I used permission boundary to limit access for a single developer who was previously part of a developer IAM user group. Since he was new to the organization, I wanted to limit what he could access for the first few months while learning the ropes around.

2. What is a trust relationship in AWS and what does it mean?

Answer:

A trust relationship in AWS refers to IAM roles. When we create an IAM role and grant it access to perform an action or actions on our behalf, we have established a trust relationship to assume a specific set of functions.

Example:

I created an IAM ec2 profile to enable interaction with EC2 and other AWS services.

3. What do you understand by an in-line policy within the IAM service?

Answer:

An in-line policy in AWS IAM service refers to an IAM policy that is not shareable/reusable.

When you create an in-line policy for an IAM user/group/role, usually you're creating it for that one-time use only. Alternatively, we can go with AWS managed policy or a customer managed policy if the intention is to reuse that same policy on other resources.

4. What is policy in AWS?

Answer:

Refers to a JSON formatted document that grants or denies access to entities within the AWS account/environment.

Example:

Granting access to an IAM user to deploy an EC2 instance