

# Interview Question

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**1) What is the need of IAM?**

- ➔ AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. IAM is to control who is authenticated (signed in) and authorized (has permissions) to use resources. Using IAM we can create different IAM identities (users, groups of users or roles) so that we can allow access of only those relevant AWS resources to them thereby following principle of least privileges.

**2) If I am a non tech person, how will you define policies in IAM**

- ➔ Policies define what is allowed for IAM identities (users, groups of users or roles). If we want specific group to access of specific resources only , we can create policy and attach it to that group. Policies helps us to define permissions for different IAM identities.

**3) Please define a scenario in which you would like to create your on own IAM policy**

- ➔ AWS managed policies are designed to provide permissions for many common use cases. These policies align closely to commonly used job functions in the IT industry. The intent is to make granting permissions for these common job functions easy.
- ➔ You cannot change the permissions defined in AWS managed policies. So when we want to allow/restrict something using policies which is not provided by AWS managed policies at that time we write our own IAM policy and will attach to IAM identities. Doing so we will take full control of what we want to allow/restrict.

**4) Why do we prefer not using root account?**

- ➔ Root account has all the privileges to perform all the actions. So using root account to perform day to day life IT operations, may lead to some serious issues as authorization is not being performed while user is logged as root. In AWS we follow least privileges, which means give only those permissions (using policies) which are needed for respective IAM identities.

**5) How to revoke policy for an IAM user?**

- ➔ If we have attached policies directly to an IAM user, then under IAM - Users we can click on that specific user and revoke policy (considering we have necessary admin rights to revoke).
- ➔ If we have assigned policy to a user group then also similar way we can revoke policy for that specific group.

**6) Can a single IAM user be a part of multiple policy via group and root? How?**

- ➔ Yes an IAM user can get policies through directly attached policies or it will get all the permissions attached to that specific group (considering we have a group created and that group has some permissions attached to it).