Assignment Interview question

Note :- Please prepare the answer of these questions in brief :- (in your own words)

1. What is the need of IAM?

IAM is very powerful service in AWS. With IAM we can manage users and groups of users. From the organization perspective we can’t give root credential to all the developers. So it is best practice to create IAM user for other users working in the organization or create a IAM group to manage those user. Using IAM organization can have complete control over AWS services like which service IAM user can access and what operation that user can perform on particular service and which not by using IAM policy.

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

It is always best practice to provide least privileges in IAM policy. So, for non tech person I will only provide the access which is needed and restrict all other services.

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

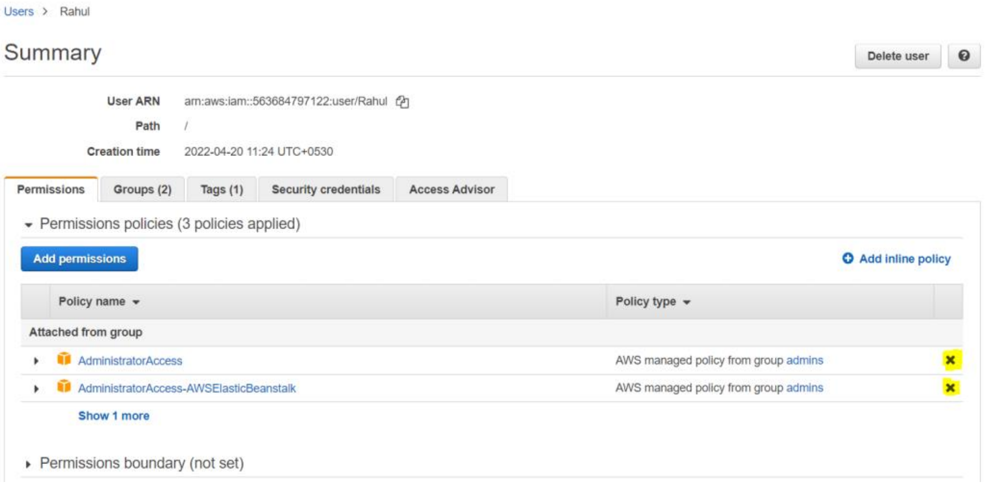
it is best practice to create own policy instead of using AWS pre-defined policy. Because it is easy to understand our own created IAM policy from scratch. We can have more control overt user by creating own IAM policy.

4. Why do we prefer not using root account?

After creation of AWS account, we can access the service by logging into root user credential to use the services. Root user has all the privileges like it can access all the AWS services, can see billing dashboard and changing the password as well. So, while working in team If you share your root credential or if it gets exploit then it might be a big problem. So, it is good practice not to use root account.

4. How to revoke policy for an IAM user?

On user profile, in the permission section you can check the policies assigned to that user and you can revoke the policy by clicking on cancel button.



User ARN arn:aws:iam::563684797122:user/Rahul

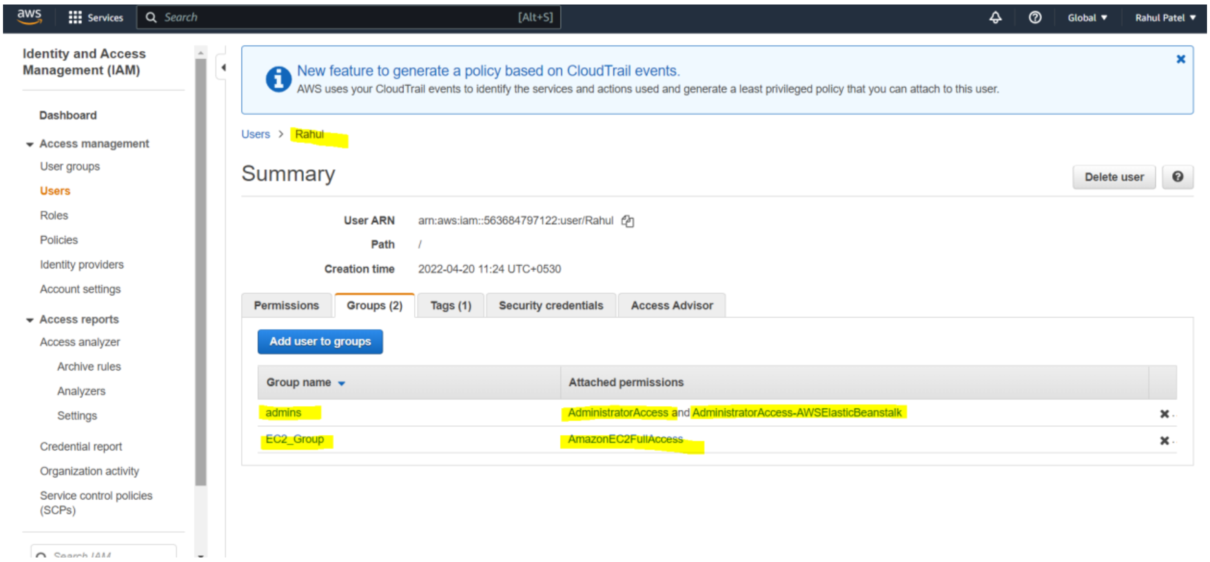
Path /

Creation time 2022-04-20 11:24 UTC+0530

Policy name	Policy type	
Attached from group		
AdministratorAccess	AWS managed policy from group admins	✕
AdministratorAccess-AWSElasticBeanstalk	AWS managed policy from group admins	✕

6. Can a single IAM user be a part of multiple policy via group and root? how?

Yes, single IAM user can be a part of multiple policy via group. You can add single IAM user to Multiple groups by just adding that user in particular group.



New feature to generate a policy based on CloudTrail events.
AWS uses your CloudTrail events to identify the services and actions used and generate a least privileged policy that you can attach to this user.

Summary

User ARN arn:aws:iam::563684797122:user/Rahul

Path /

Creation time 2022-04-20 11:24 UTC+0530

Group name	Attached permissions
admins	AdministratorAccess and AdministratorAccess-AWSElasticBeanstalk
EC2_Group	AmazonEC2FullAccess