Understanding IAM Permissions

Questions	Notes
Roles	 Roles define access permissions and are temporarily assumed by an IAM user or service you asssume a role to perform a task in a single session assumed by any user or service that needs it access is assigned using policies you grant users in one aws account access to ressources in another aws account In the real world:
	 Attach a role to an EC2 instance for access to s3: you can attach a role to an instance that provides privileges (uploading files to s3) to applications running on the instance. Roles help you avoid sharing long-term credentials like access keys and protect your instances from Unauthorized access
policies	• You manage permissions for IAM users, groups , and roles by creating a policy document in JSON format and attaching it
best practices for IAM	 Enable MFA for privileged users: you should enable multi-factor athentication (MFA) for the root user and other administrative users Implement strong password policies: you should require IAM users to change their passwords after a specified period of time, prevent users from reusing previous password, and rotate security credntials regularly Create Individual users instead of using root: you souldn't use the root user daily task use roles fro amazon ec2 instances: you should use roles for applications that run on ec2 instnances instead of long-term credentials like access keys
IAM Credential Report	 The IAM credential report: The IAM credential report lists all users in your account and the status of thier various credentials Lists all users and status of passwords, access keys, and MFA devices Used for auditing and compliance
review time	 roles: define access permissions and are temporarily assumed by an IAM user or service Policies:you manage permissions for IAM users, groups, and roles by creating a policy document in JSON format and attaching it Cresential Report: The IAM crdential report lists all users in your account and the status of thier various credentials