	AWS Identity and Access Management (IAM)
	Overview
	Purpose: Manage access to AWS resources and services.
1	Users and Access
	Root User:
	Access: Full access to all AWS resources and services.
	Responsibilities: Create and manage IAM users, groups, and roles.
	Best Practice: Use only for account setup; use IAM users for daily tasks.
	IAM Users:
	Access: Limited to permissions defined by IAM policies.
	Login: Can access the AWS Management Console based on assigned permissions.
	IAM Roles:
	Access: Temporary access to AWS resources for users or services.
	Use: Ideal for cross-account access and delegating permissions.
	IAM Groups:
	Access: Collect multiple IAM users to manage permissions collectively.
	Function: Assign permissions to groups rather than individual users.
	Policies
	Definition: JSON documents that define permissions for AWS resources.
	Creating Policies:
	Custom Policies: Write your own policies or use AWS templates.
	Attach: Apply policies to users, groups, or roles to grant permissions.
<b>一</b> う	Types:
	Managed Policies:
	AWS Managed: Predefined by AWS.

Customer Managed: Created by you.

Inline Policies: Directly attached to specific users, groups, or roles.
Scalability and Management
Scalability: IAM adapts to your needs, managing many users and permissions easily.
Best Practices:
Least Privilege: Give only the permissions needed.
Use Roles: Prefer roles for temporary access.
Regular Reviews: Check and update permissions regularly.