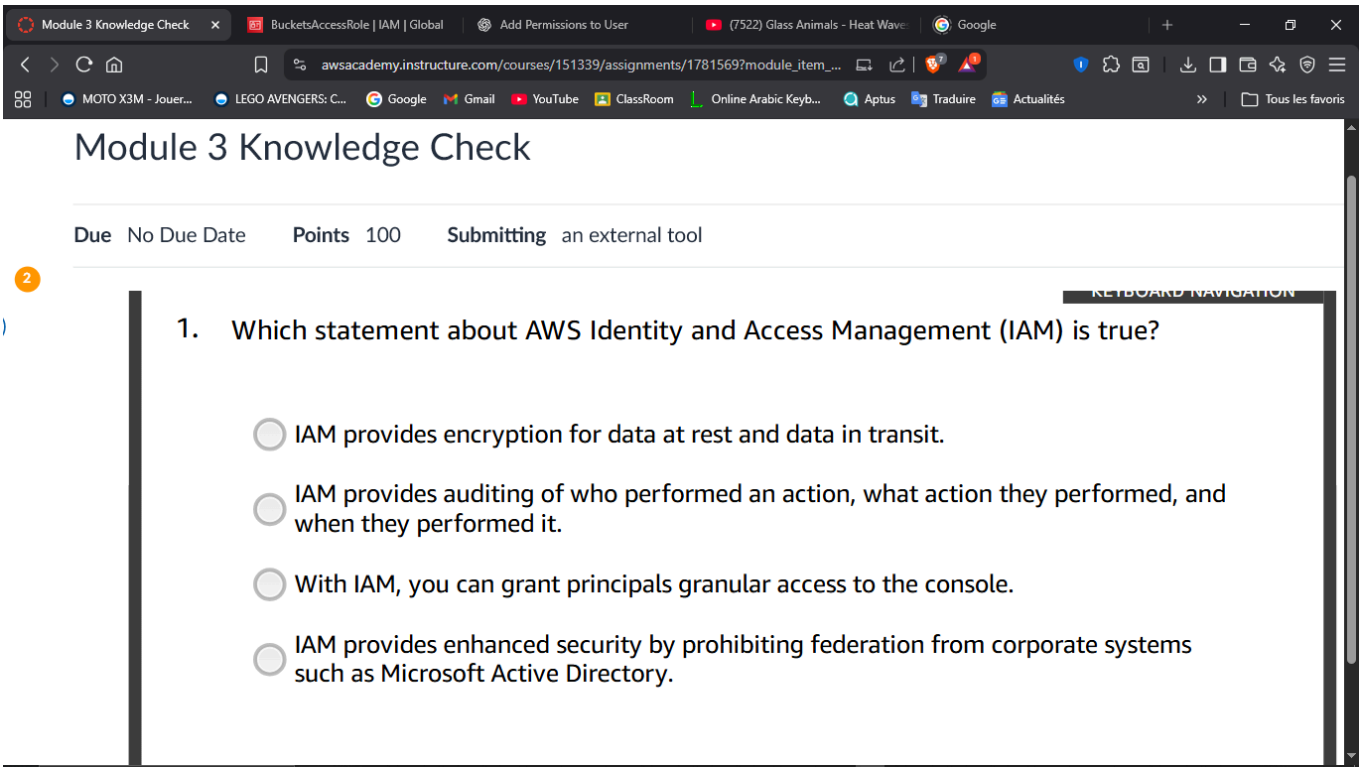
Quiz M3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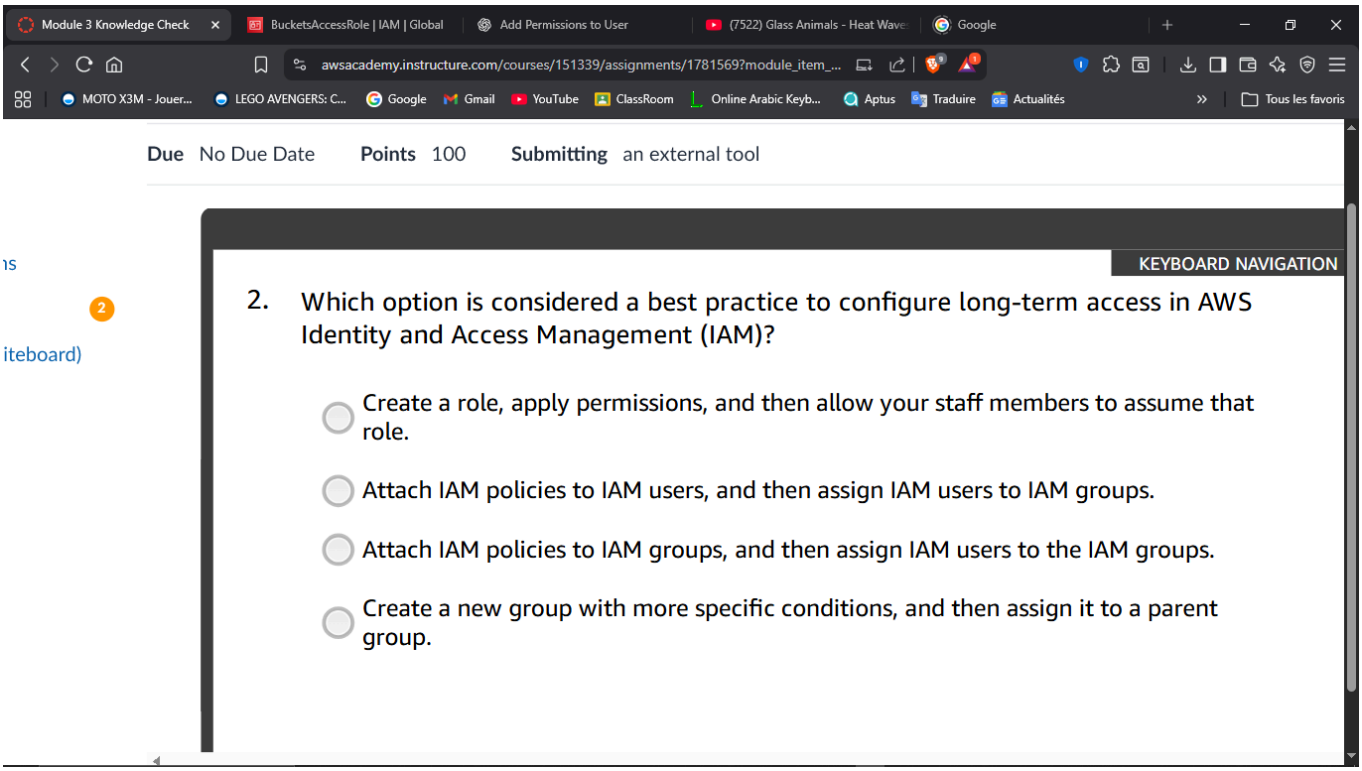
1. Which statement about AWS Identity and Access Management (IAM) is true?
IAM provides encryption for data at rest and data in transit.
IAM provides auditing of who performed an action, what action they performed, and when they performed it.
With IAM, you can grant principals granular access to the console.
IAM provides enhanced security by prohibiting federation from corporate systems such as Microsoft Active Directory.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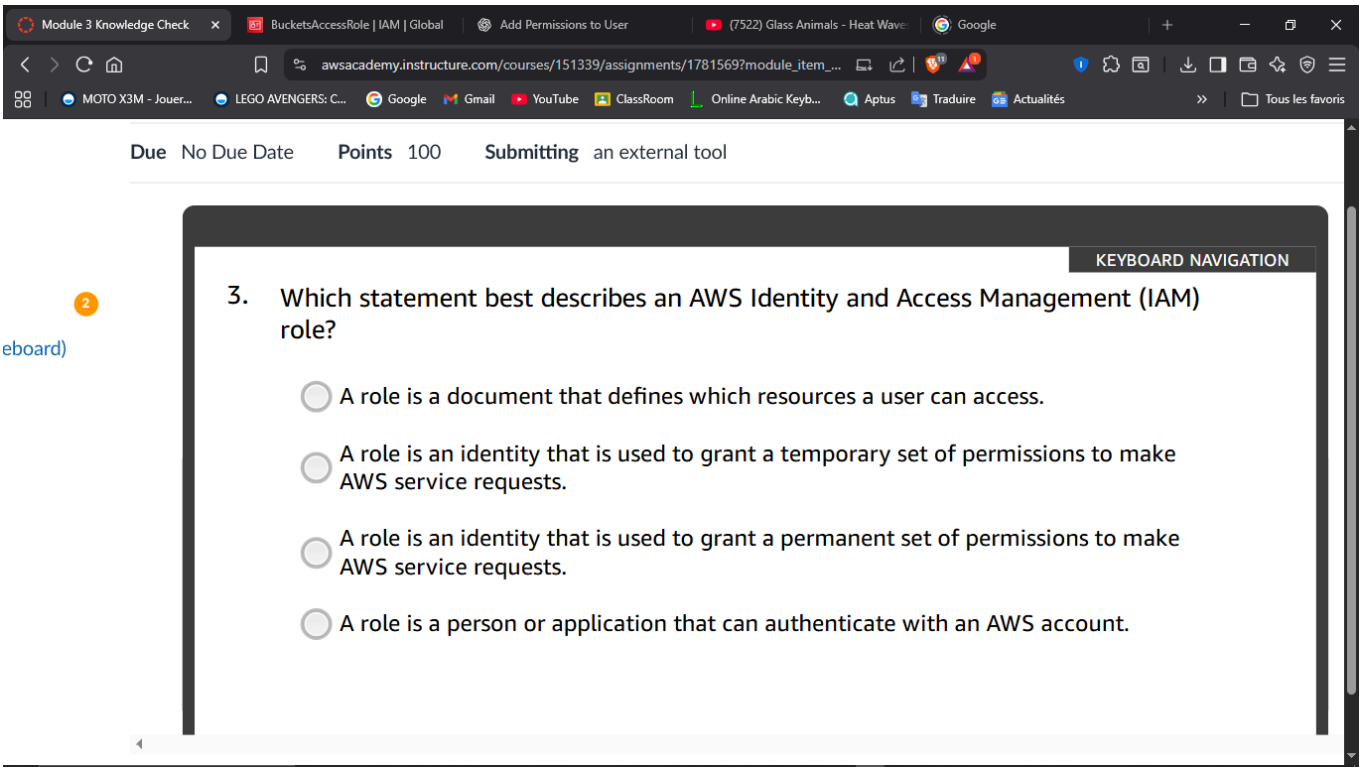
2. Which option is considered a best practice to configure long-term access in AWS Identity and Access Management (IAM)?
Create a role, apply permissions, and then allow your staff members to assume that role.
Attach IAM policies to IAM users, and then assign IAM users to IAM groups.
Attach IAM policies to IAM groups, and then assign IAM users to the IAM groups.
Create a new group with more specific conditions, and then assign it to a parent group.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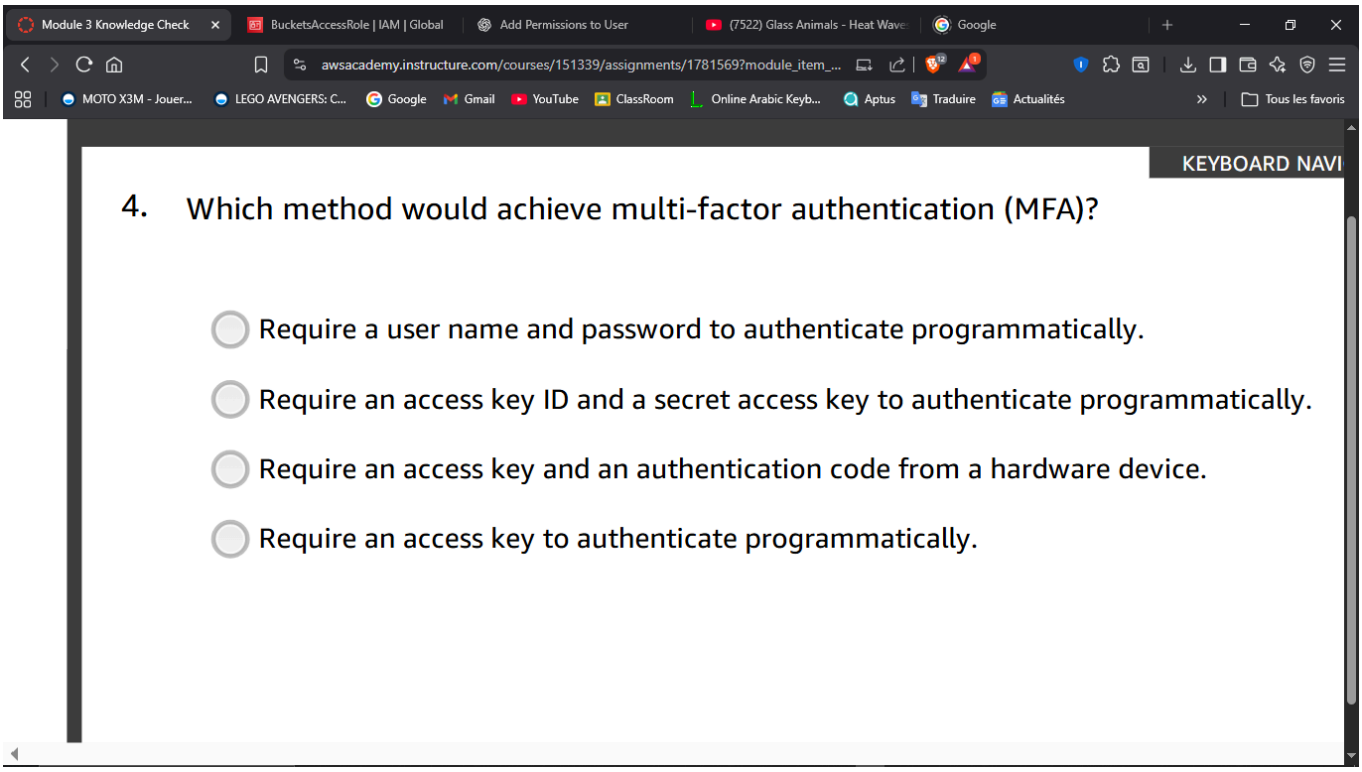
3. Which statement best describes an AWS Identity and Access Management (IAM) role?
A role is a document that defines which resources a user can access.
A role is an identity that is used to grant a temporary set of permissions to make AWS service requests.
A role is an identity that is used to grant a permanent set of permissions to make AWS service requests.
A role is a person or application that can authenticate with an AWS account.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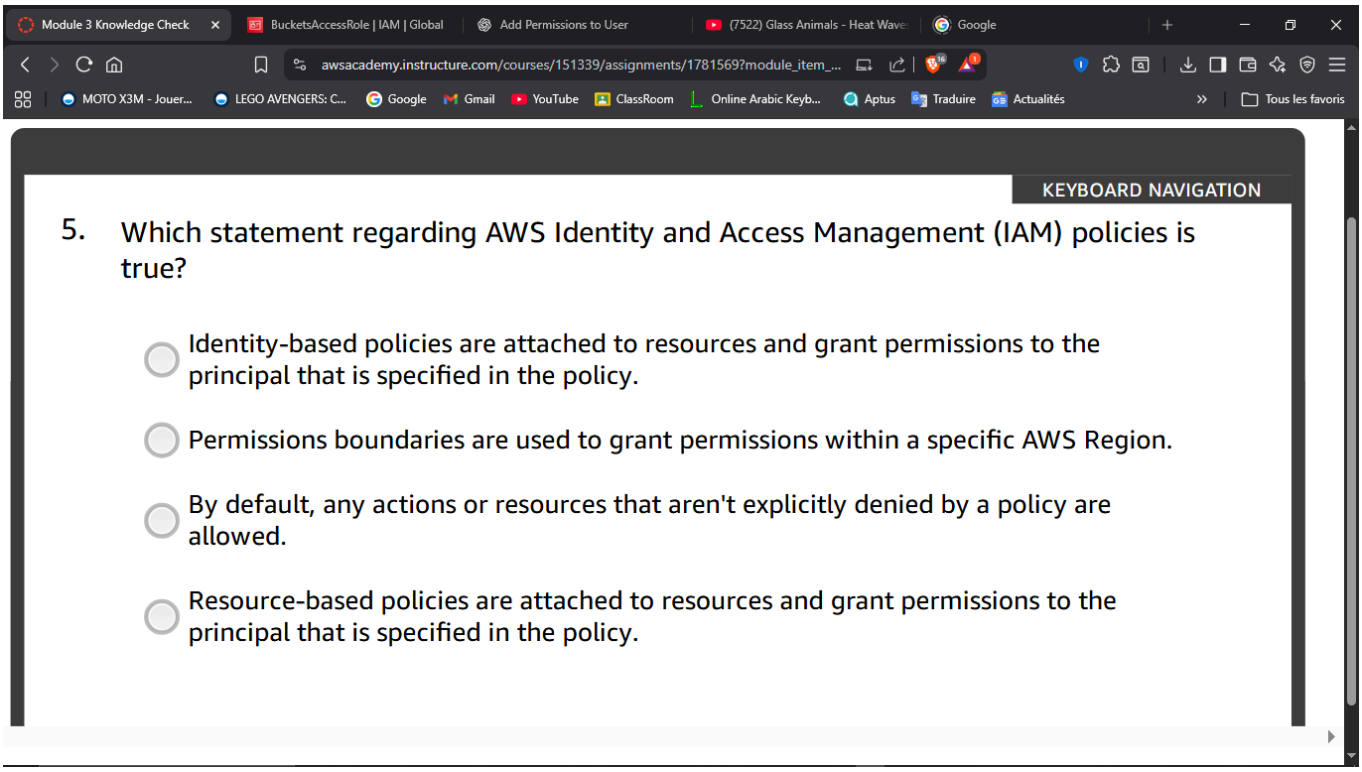
4. Which method would achieve multi-factor authentication (MFA)?
Require a user name and password to authenticate programmatically.
Require an access key ID and a secret access key to authenticate programmatically.
Require an access key and an authentication code from a hardware device.
Require an access key to authenticate programmatically.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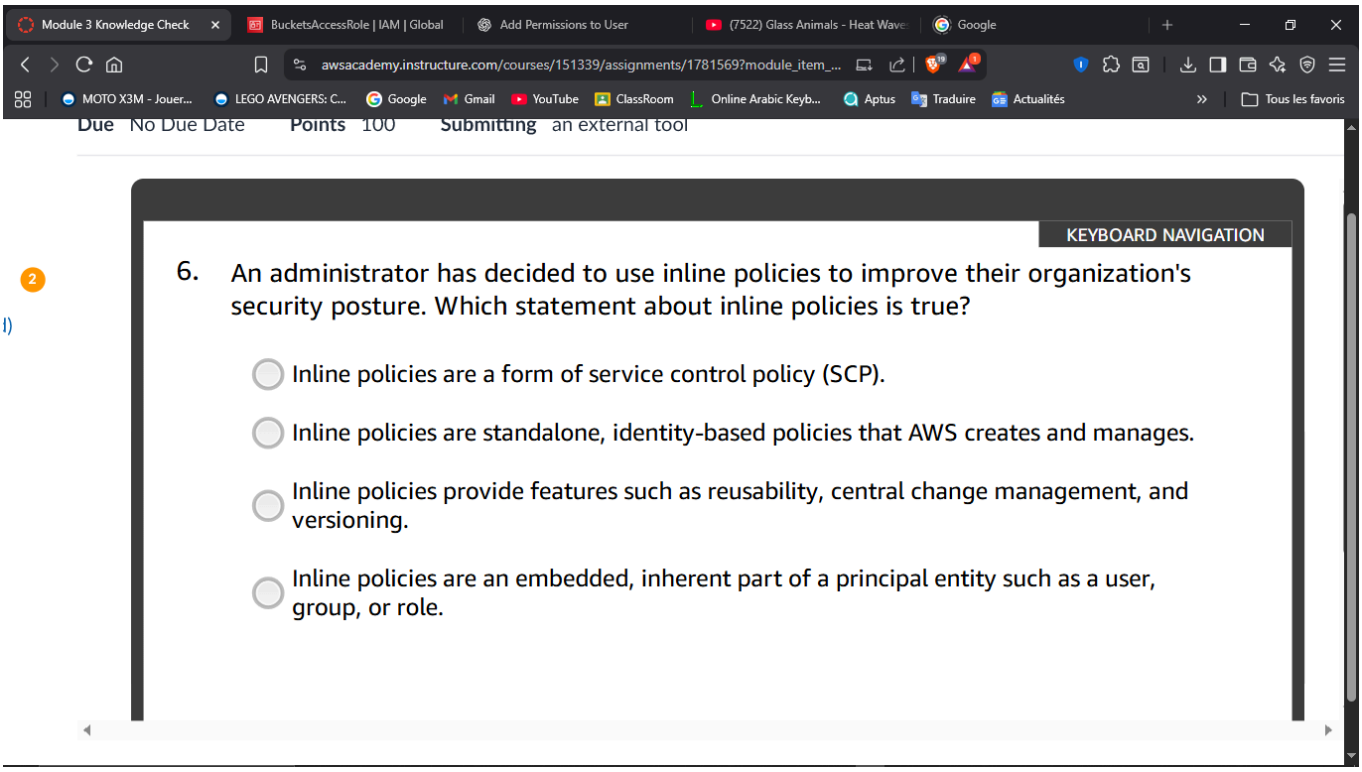
5. Which statement regarding AWS Identity and Access Management (IAM) policies is true?
Identity-based policies are attached to resources and grant permissions to the principal that is specified in the policy.
Permissions boundaries are used to grant permissions within a specific AWS Region.
By default, any actions or resources that aren't explicitly denied by a policy are allowed.
Resource-based policies are attached to resources and grant permissions to the principal that is specified in the policy.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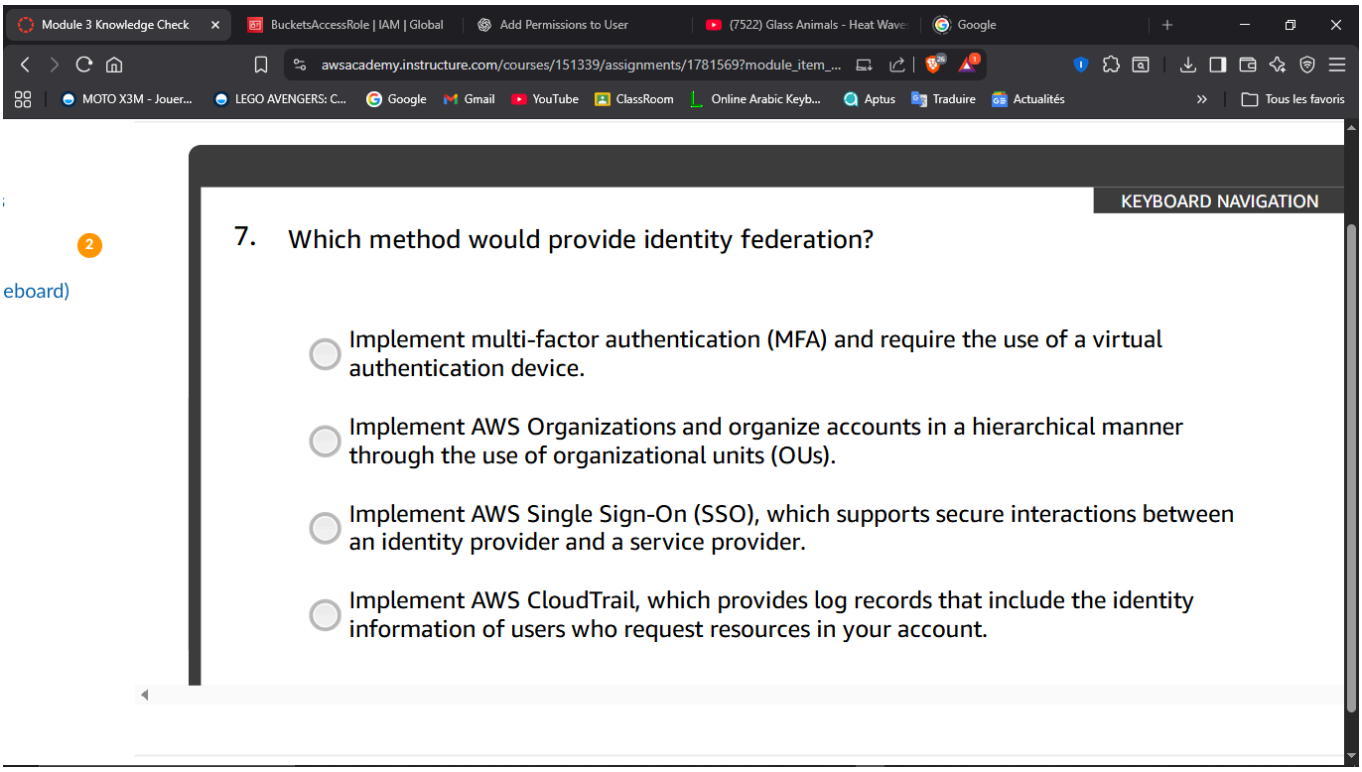
6. An administrator has decided to use inline policies to improve their organization's security posture. Which statement about inline policies is true?
Inline policies are a form of service control policy (SCP).
Inline policies are standalone, identity-based policies that AWS creates and manages.
Inline policies provide features such as reusability, central change management, and versioning.
Inline policies are an embedded, inherent part of a principal entity such as a user, group, or role.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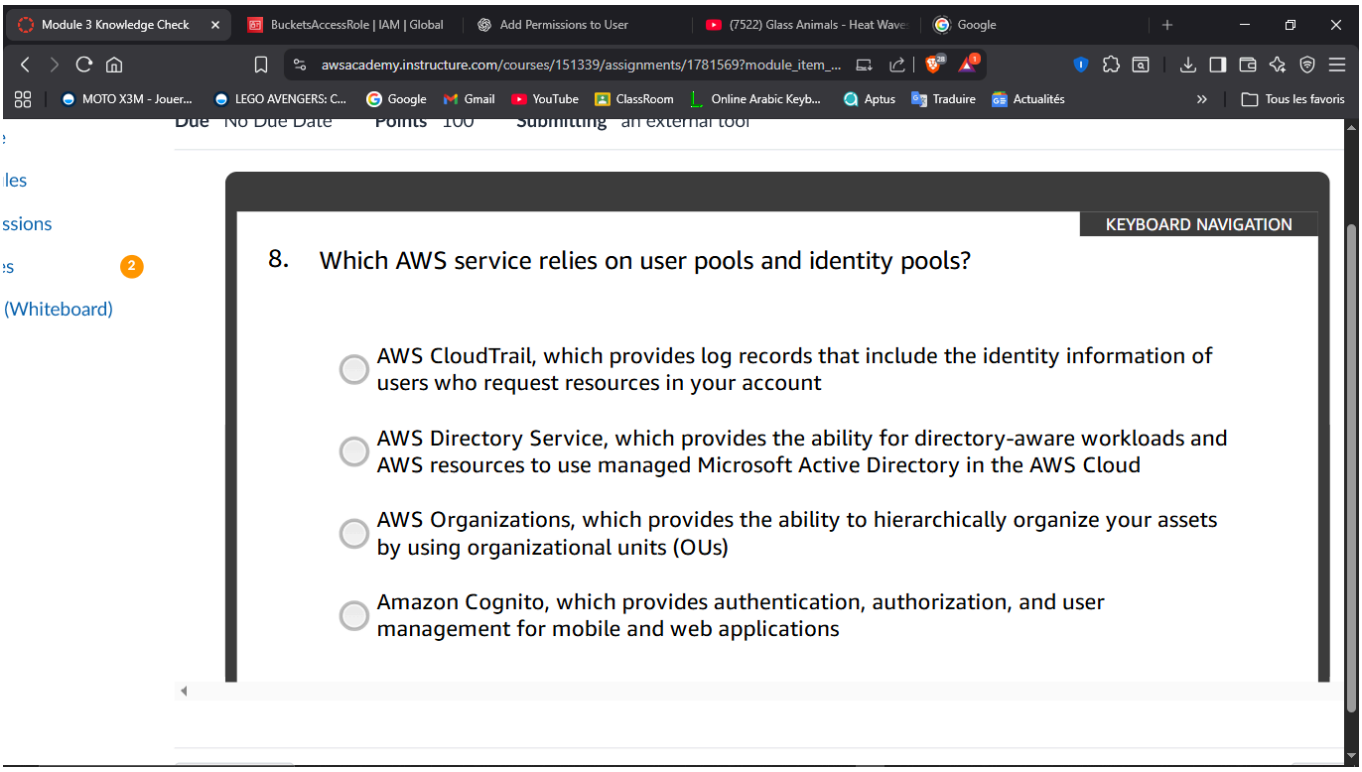
7. Which method would provide identity federation?
Implement multi-factor authentication (MFA) and require the use of a virtual authentication device.
Implement AWS Organizations and organize accounts in a hierarchical manner through the use of organizational units (OUs).
Implement AWS Single Sign-On (SSO), which supports secure interactions between an identity provider and a service provider.
Implement AWS CloudTrail, which provides log records that include the identity information of users who request resources in your account.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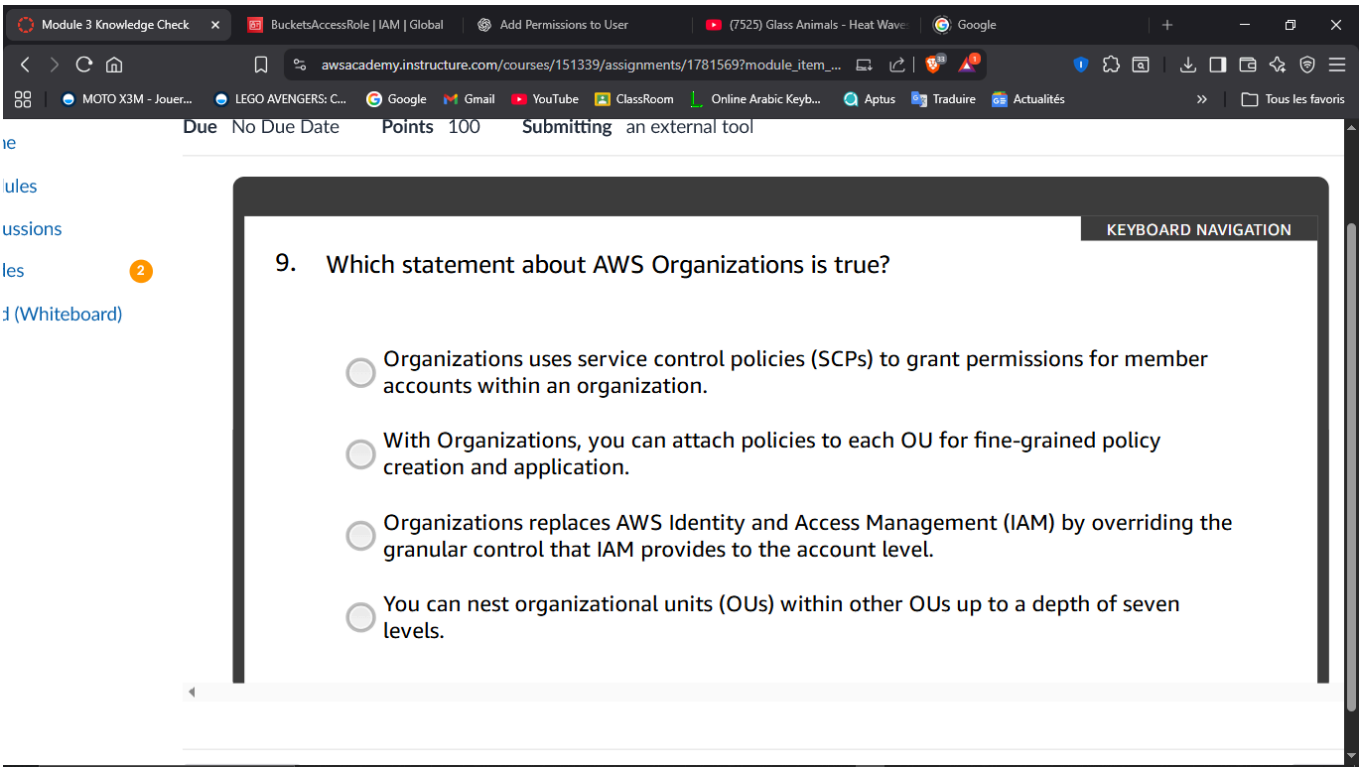
8. Which AWS service relies on user pools and identity pools?
AWS CloudTrail, which provides log records that include the identity information of users who request resources in your account
AWS Directory Service, which provides the ability for directory-aware workloads and AWS resources to use managed Microsoft Active Directory in the AWS Cloud
AWS Organizations, which provides the ability to hierarchically organize your assets by using organizational units (OUs)
Amazon Cognito, which provides authentication, authorization, and user management for mobile and web applications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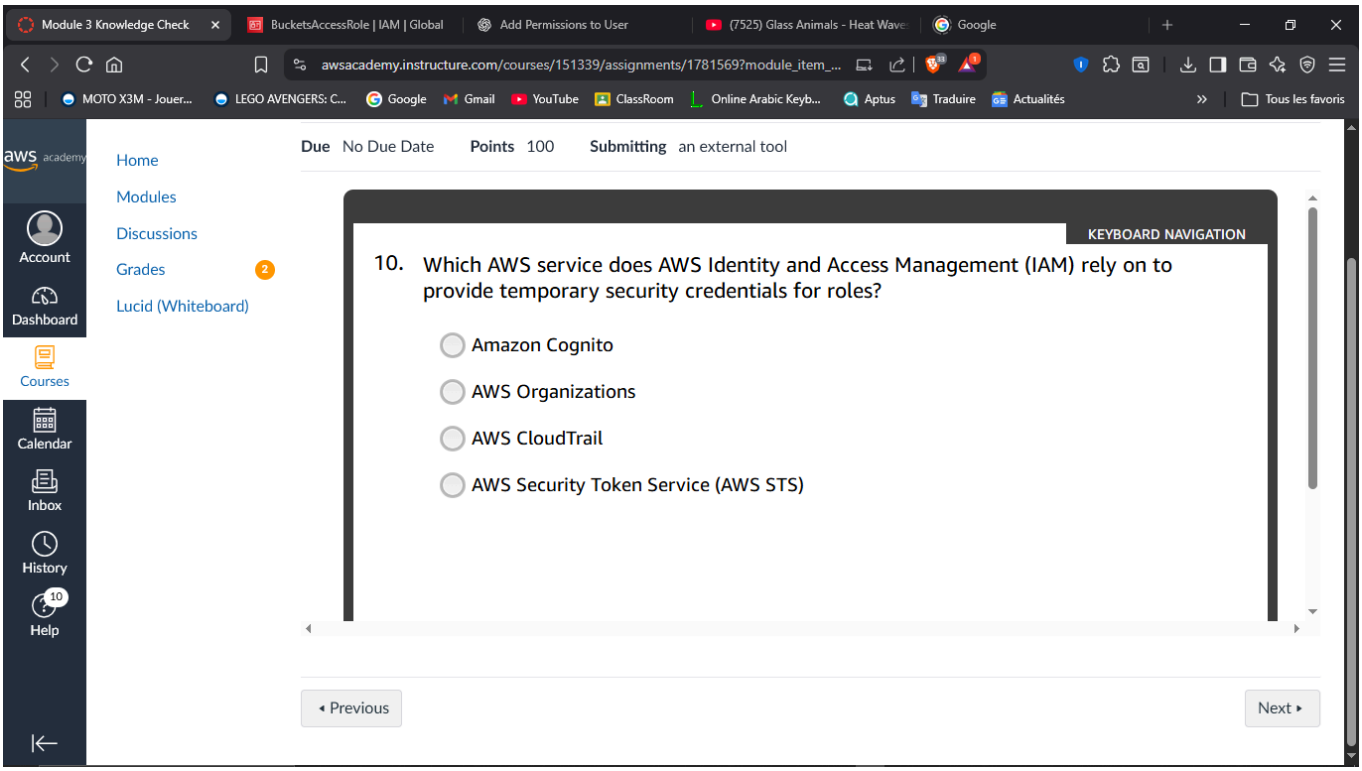
9. Which statement about AWS Organizations is true?
Organizations uses service control policies (SCPs) to grant permissions for member accounts within an organization.
With Organizations, you can attach policies to each OU for fine-grained policy creation and application.
Organizations replaces AWS Identity and Access Management (IAM) by overriding the granular control that IAM provides to the account level.
You can nest organizational units (OUs) within other OUs up to a depth of seven levels.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KEYBOARD NAVIGATION
10. Which AWS service does AWS Identity and Access Management (IAM) rely on to provide temporary security credentials for roles?
Amazon Cognito
AWS Organizations
AWS CloudTrail
AWS Security Token Service (AWS STS)
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