



What is Identity?

Security Architecture & Tool Sets

What is Identity?

- Collection of user information, rights, credentials, group memberships, & roles
- Set of claims about an individual or account holder made about one party to another party
- Key part of authentication, authorization, and trust



Attributes of Identity

- Name, address, title, contact information, identification number, etc...
- Attributes populate the directory and can be used as an authentication process



AAA: Authentication, Authorization, and Accounting

- Used to control access to computers, networks, and services
- AAA systems use usernames, passwords, or other attributes of an identity to authorize access



A login form with a dark blue background. It features two input fields: 'Username' with the text 'username' and 'Password' with masked characters '*****'. Below the password field is a checkbox labeled 'Remember Me'. At the bottom left is a yellow padlock icon. At the bottom right are two buttons: 'Login' and 'Register'.



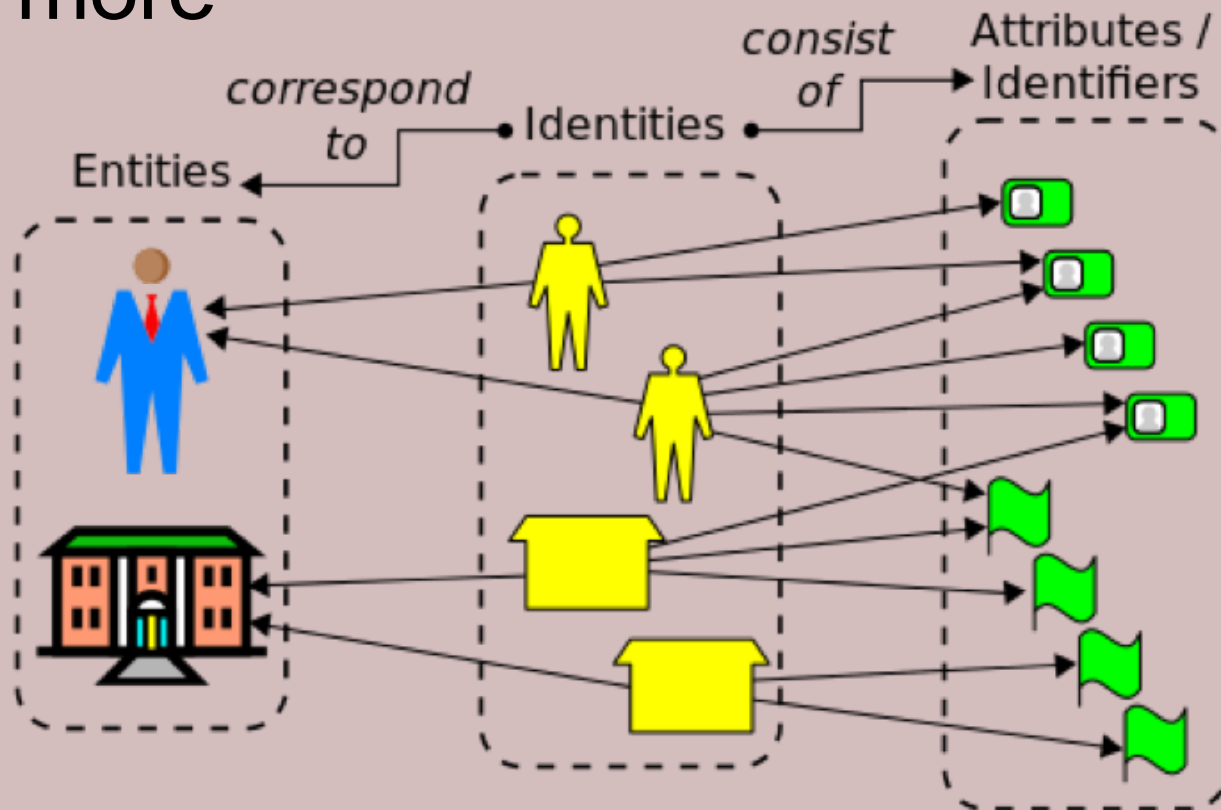
AAA: Authentication, Authorization, and Accounting

- Authentication
 - Individual proves who they are
- Authorization
 - Individual is provided access to a given resource
- Accounting
 - Logs and monitors a user when an authentication or authorization attempt is made or completed



Centralized Identity and Access Management (IAM)

- Systems built to create, store, and manage identity information, including group memberships, roles, permissions, and more



What does IAM do for us?

- Provisioning accounts
- Authentication
- Single-Sign-On (SSO)
- LDAP Directory
- Account Maintenance
- Reporting
- Monitoring
- Logging
- Auditing

