- and get alerts. advanced - track usage, costs, RI,
- savings plans: easy way to save based on long term usage of AWS.

Advanced Identity Section

AWS STS (security Token service).

- Enables you to create temporary, limited-privileges credentials to access your AWS resources
- Short-term credentials: you configure expiration period.
- Use cases:

1) Identity federation: Provide external systems with STS tokens
2) IAM Roles for cross / same account access
3) IAM Roles for Amazon EC2.

Other AWS services section

IAM Role (same / cross account)

User → (assume role) → STS service

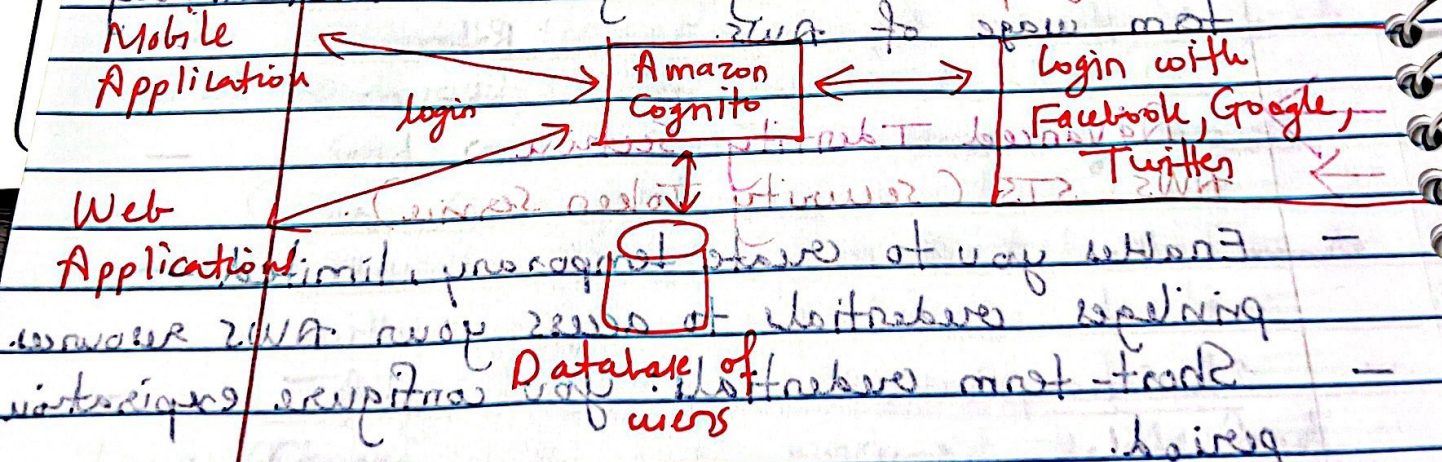
Temporary Security Credentials → User

User → Access → AWS Resources

Amazon Cognito (simplified)

Identity for your web & Mobile Application users (potentially millions)

Instead of creating them an IAM, you create a user in Cognito



What is Microsoft Active Directory (AD)?

1) Found on any Windows Servers with AD Domain Services

Scanned with CamScanner

2) Database of objects: User accounts, Computer, Printers, File shares, Security Groups.

3) Centralized security management, create account, assign permissions.

→ AWS Directory Service

1) AWS Managed Microsoft AD
- Create your own AD in AWS, manage users locally, supports MFA.
- Establish 'trust' connections with your on-premise AD.

2) AD Connector:
- Directory Gateway (proxy) to redirect to on-premise AD, supports MFA.
- Users are managed on the on-premise AD.

3) Simple AD:
- AD compatible managed directory on AWS.
- Cannot be joined with on-premise AD.

→ AWS single-sign-on (SSO)
- Centrally manage
- Access multiple accounts and 3rd party business applications.
- Integrated with AWS organisations
- Supports SAML 2.0
- Integration with on-premise AD.

* Advanced Identity Summary *

- IAM: Identity and Access Management
  1) For users that you trust and belong to your company.
  2) For users that you don't trust and belong to your company.
- Organizations: Manage multiple AWS accounts.
- STS: Temporary & limited privileges credentials for accessing AWS resources.
- Cognito: Create database of users for your mobile & web applications.
- Directory Service: Integrate Microsoft Active Directory (AD) in AWS.
- Single Sign On (SSO): One login for multiple AWS accounts & applications.