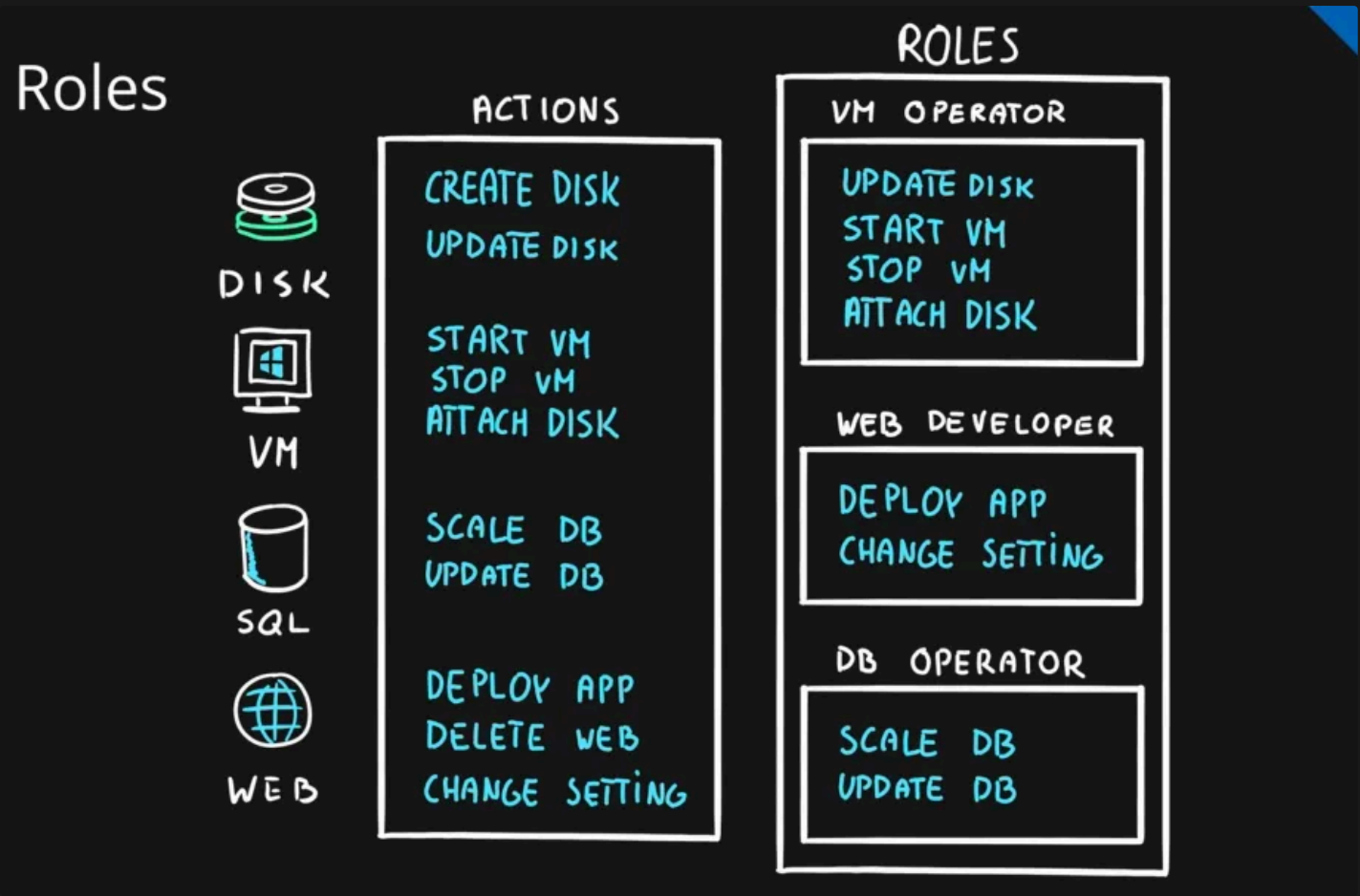


Azure Role based Access Control (RBAC)

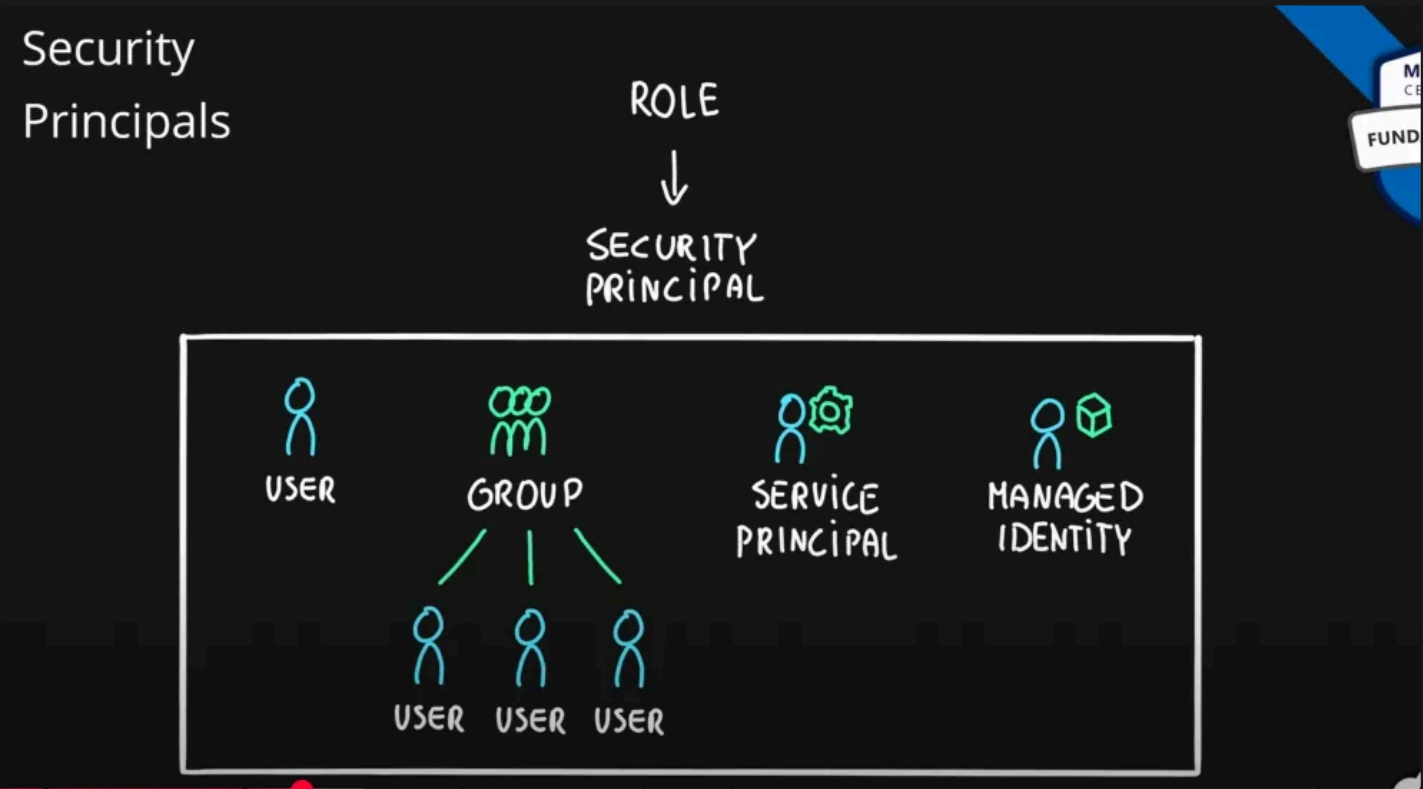


Role

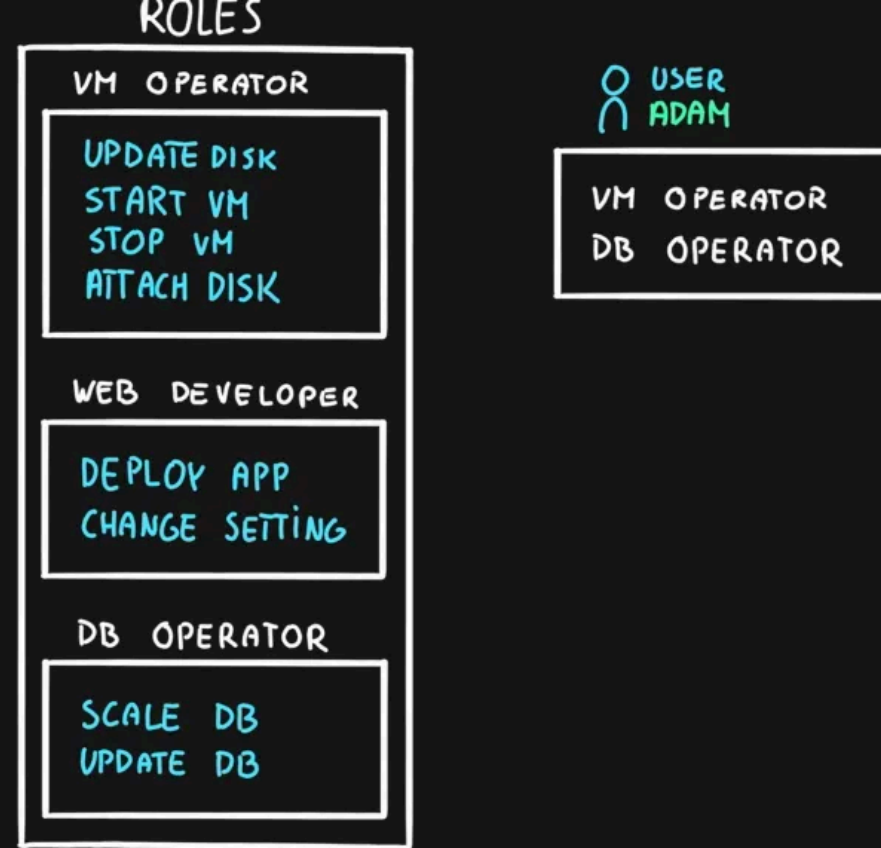
Microsoft
CERTIFIED
FUNDAMENTALS

Role (role definition) is a collection of actions that the assigned identity will be able to perform.

Role definition is an answer to a question "What can be done?"



Security Principals



Security Principal

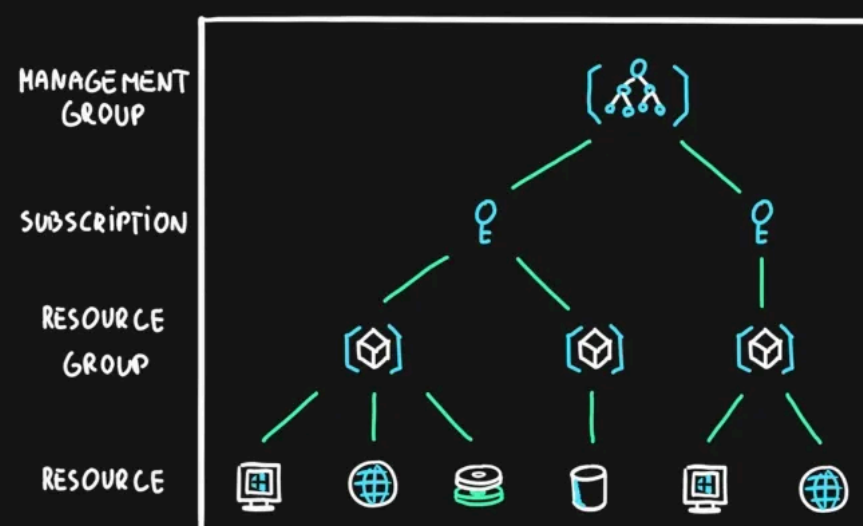


Security Principal is an Azure object (*identity*) that can be assigned to a role (ex. *users*, *groups* or *applications*).

Security Principal assignment is an answer to a question "Who can do it?"

Scopes

ROLE
↓
SCOPE



Key Characteristics



- Authorization system built on Azure Resource Manager (ARM)
- Designed for fine-grained access management of Azure Resources
- Role assignment is combination of
 - Role definition – list of permissions like create VM, delete SQL, assign permissions, etc.
 - Security principal – user, group, service principal and managed identity and
 - Scope – resource, resource groups, subscription, management group
- Scopes are hierarchical
 - Management Groups > Subscriptions > Resource Groups > Resources
- Built-in and Custom roles are supported