LECTURE 5

IDENTITY AND ACCESS MANAGEMENT

1. What is Access Control?

* The process of determining and assigning privileges to resources and data.

1. What are the two Fundamental Principles of User Management?

* Segregation of duties
* Least privilege

Segregation of duties:

Determines whether decision-making and control tasks are carried out by a person to avoid unauthorized or the misuse of the organization’s assets.

Least privilege:

A user should never be given more privileges than required to carry out a task.

1. What is Role-Based Access Control?

* To assign roles to each person and to make sure they do their own work.
* If we want to use principles of user management, we apply RBAC.

1. What are the Account Types?

* User accounts
* Privileged accounts
* Guest accounts
* Computer and service accounts

User accounts:

Standard account for general users. Usually limited in privileges.

Privileged accounts:

Greater access rights than standard user account. Admins need elevated privileges to fulfill duties.

Guest account:

Provided for those who need limited access and no password and can’t create, modify or delete files.

Computer and service accounts:

Non-human entities and computers and services may need access to other computers and services.