Authentication & Authorization

AGENDA

- ➤ Authentication Definition
- ➤ Authentication types
- ➤ Two Factor Authentication (2FA)
- ➤ Authorization

Authentication Definition

Verifying the identity of a user, device, Process or an entity who wants to access data, Machine, Device, resources, or applications. Validating that identity establishes a trust relationship for further interactions.

Authentication failure

Sign In

Authentication Types

There are Three types of Authentications: symmetric and asymmetric encryption.

Something You Know: Anything that you can remember like Password, Passcode or PINs.
Something You Have: Anything that you can hold like keys, smart phones, smart cards, USB drives, and token devices.
Something You Are: any part of Your body that can be offered for verification, such as fingerprints, palm scanning, facial recognition and voice verification.
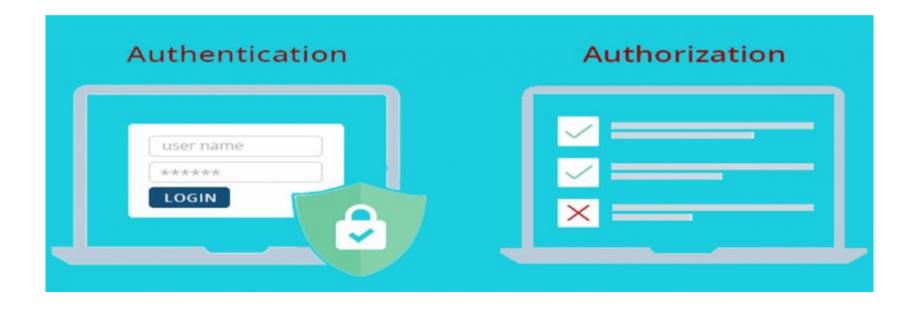
Two Factor Authentication (2FA)

Also Known as Multi Factor Authentication (MFA), an Authentication Method That required at least two Authentication Type's Factors those previously discussed.

Examples: One Time Password (OTP)

① User logs into an account using their primary password

② An authentication code (OTP) is sent to the user's mobile phone

③ User enters the OTP as the secondary password and is granted access to their online account

Authorization

Simply it's Mean: what you can do or What is your privilege allow to do.

Thanks!

Any questions?