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YTB sunny class room

Authentication.

- pass, pin,
- possession

what you know
what you have
what you are
what you do
where are you

Credentials

Biometrics

- fingerprints
- facial feature

Behaviors.

- voice recognition
- keystroke dynamics

Geo location

multi-factor Authentication

YTB IBM cloud

What is multi-Factor Authentication

What is single Sign-on (SSO)? How SSO Works

Local Authentication & Single-On

Hash - user enters password

- authenticator converts to hash
- authority compares ^{user's} hash w/ the stored hash
- authenticates subject if there is a match.

Central Authentication Server (CAS).

Vendors Google, Amazon, Go daddy

YTB - Symmetric Encryption

YTB. RSA algorithm. ^{Private Key}
Asymmetric Encryption ^{Public Key}

YTB: What is Public Key Infrastructure PKI by secure metric

Sunny YTB- Why digital certificate?

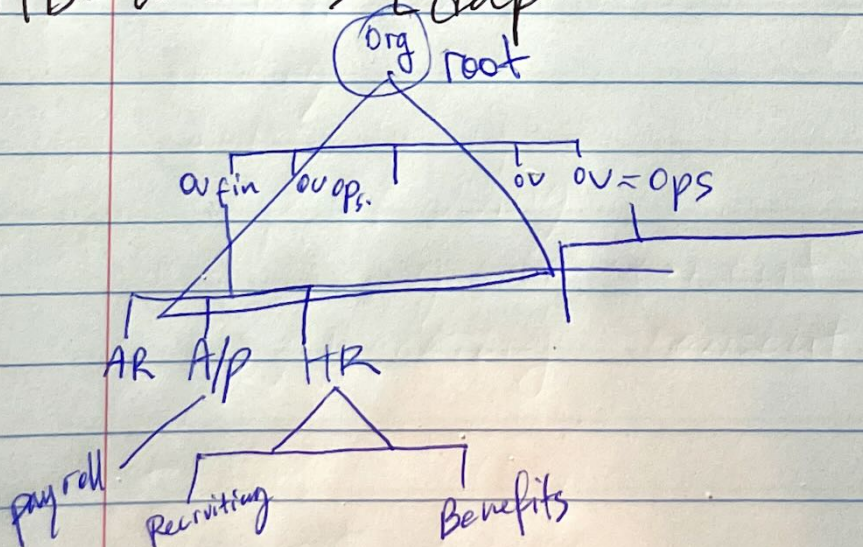
YTB What is PKI?

Sunny YTB Kerberos - authentication protocol
Kerberos - ^{Private Key}
^{symmetric} Key Distribution Center

Sunny YTB. AAA Framework & Radius

YTB Radius & TACACS - Comptia Security +

YTB- What is Ldap



- CA
- ☒ pub cm
 - ☒ Kerberos
 - ☒ Radius
 - ☒ TACACS
 - ☒ Ldap
 - ☒ AD

* you want authenticate your computer for security purpose.

YTB- 802.1X and EAP by Musraf

Extensible Authentication Protocol & IEEE 802.1X