Authorization
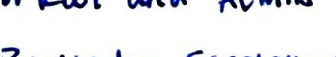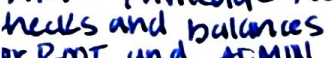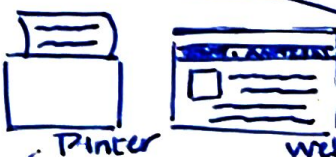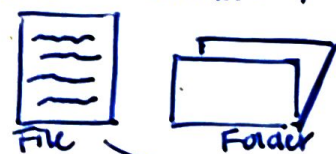"rights" and "permission"
Methods:
1). DAC (discretionary access control)
2). MAC
3). RBAC (role-based asset control)
4). Rule-Based AC

DAC - "owners", "assets"

File   Folder

Printer   Web

Resume } Owner Dafster

RBAC ←

Dafne   Maxon X

* This person is EVIL!

Disable Jack
MAC Filter
DHCP Snooping
DORA ☑
Port 1
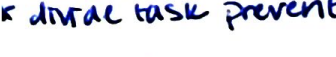
+ Default VLAN are ALWAYS 1!
* VLAN seperates the jacks that has different colors.
* All jacks on the switch are on VLAN one by default!

R
W
E
GO TO HELL

Firewall Types
1). Stateless   one at a time (packet)
2) Stateful - looks at all packets, conversation
3). Application
4). UTM (unified threat management)
5). NGFW (New Generation Firewall)
6) Hardware Based
7). Software Based

05/09/25 Notes

Least-Privledge = rights and permission
PAM = Privledge Access Management
checks and balances
or ROOT and ADMIN

Privledge Escalation = "moving up"

Separation of Duty
* established check and balance
* divide task prevents conflicts

Zero trust
* assume breach