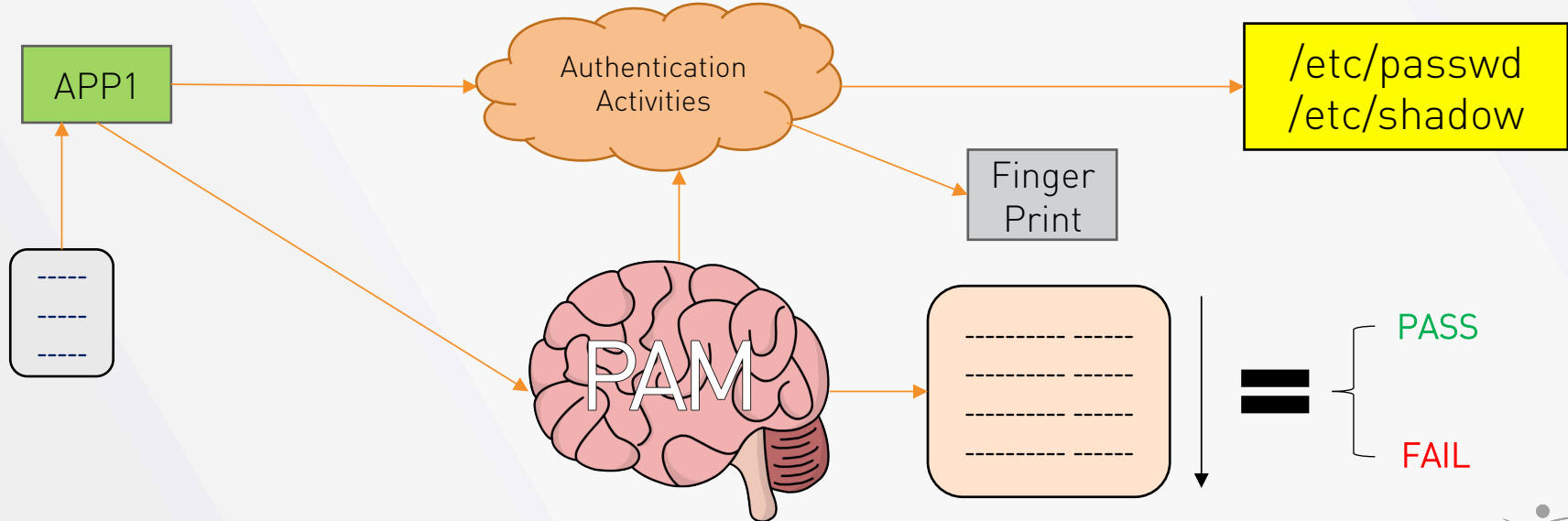


4.4 Linux PAM

- ▶ Pluggable Authentication Modules.
 - Provides dynamic authentication support for applications and services in a Linux

PAM Concept



PAM Concept

PAM Modules

/lib/security
/lib64/security

pam_unix
pam_cracklib
pam_tally2



PAM Configuration

/etc/pam.d
/etc/security
/etc/pam.d/sshd
/etc/pam.d/login

Module_Interface Control_flag Module_Name [Module_Arg]

Module_Interface

- ▶ Auth - verify the user's identity
- ▶ Account - checking if access is permitted
- ▶ Password - updates user's credentials (Password)
- ▶ Session - manages user's sessions

Control_Flag

- ▶ **Requisite** - Fail - Exit - Result Fail
- ▶ **Required** - Fail - Continue - Result Fail
- ▶ **Sufficient** - Succeed - Enough - Result Pass
- ▶ **Include** - Includes configuration from another file
- ▶ **Optional** - Pass/Fail ignored

Module_Name

auth	requisite	/lib/security/pam_securetty.so
auth	required	/lib/security/pam_env.so
auth	sufficient	/lib/security/pam_ldap.so
auth	required	/lib/security/pam_unix.so try_first_pass

PAM Documentation

- ▶ `/usr/share/doc/pam-*/`
- ▶ `man Module_Name`
 - `man pam_unix`



Thank You!