

BASH SCRIPTING.

WHAT IS BASH SCRIPTING

Bash(bourne again shell) is a command line shell used in Linux,MacOs and other unix-like systems. It's a text file containing a series of commands that the bash shell executes sequentially. It is a way of automating tasks by writing commands in a file.

KEY CONCEPTS:

- Shebang: every bash script starts with `#!/bin/bash` to tell the system to use the bash interpreter.
- Commands: commands like `cut`(to extract field), `last`(to check for login history) and loops to process data.
- File Handling: read from system files like `/etc/passwd` to get user information.
- Variables: store data temporarily, eg., usernames or login times.
- Permissions: scripts need execute permissions to run. (`chmod +x scripts.sh`)
- Echo: this prints a simple header for ease of readability. It indicates it's not just a plain word.
- `./?` : this indicates to the terminal to run the script in the current folder or can `sudo` everything

[illegible]

```
(precious@kali)-[~]
$ chmod +x logins.sh

(precious@kali)-[~]
$ ./logins.sh

List of all users and their last login time:
-----
user: nobody - Never logged in
-----

user: precious
precious .1 .1 Thu May 29 10:21 still logged in
-----

user: Pc_change - Never logged in
-----

user: Pcxchang - Never logged in
-----

user: Presh - Never logged in
-----

(precious@kali)-[~]
$
```

[illegible]