

CUPP Password Creation Script

CUPP (common user passwords profiler) is a script used to create custom password lists based on user information, such as

- Legal names
- Nicknames / Aliases
- Birthdays
- Family member names
- And more...



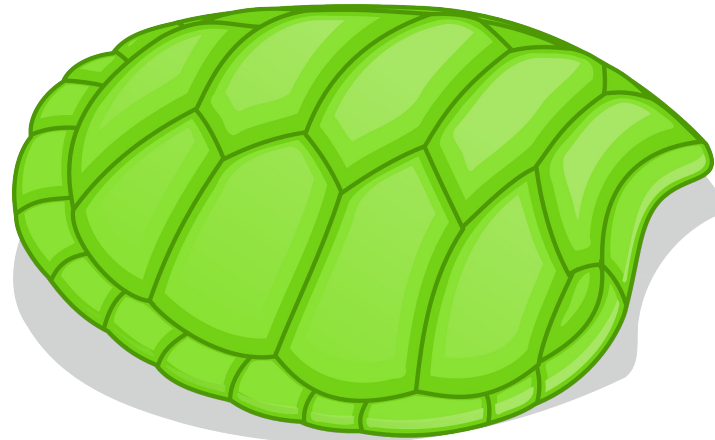
CUPP Password Creation Script

After entering the user info into the script, it creates a custom list of possible passwords based on different iterations of the data that we feed to the CUPP script

```
Alderson_86  
Alderson_9  
Alderson_97  
Elliot  
Elliot09
```

Privilege Escalation

Sudo Sh



Sh is a one of several shell programs on Linux /
UNIX systems

Privilege Escalation

Sudo Sh

A terminal window with a dark background and a white border. Inside the window, the text 'sudo sh' is written in a white, monospaced font.

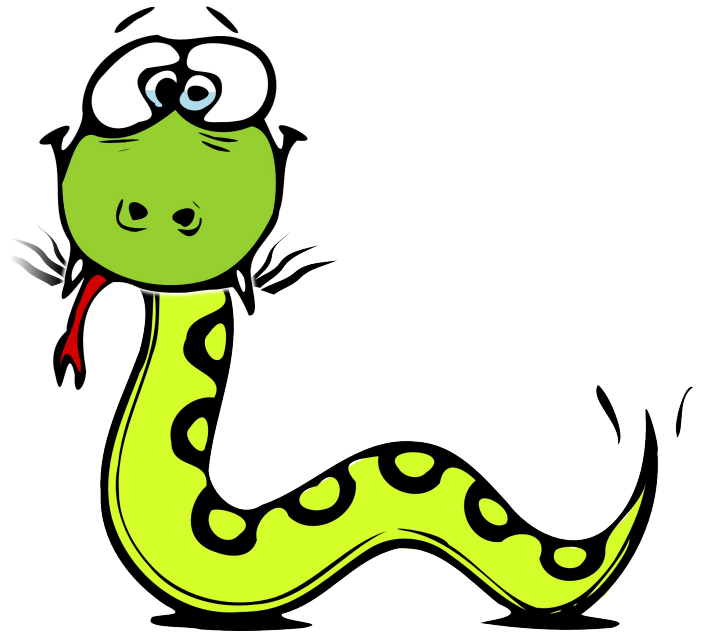
```
sudo sh
```

If we are able to run Sh with sudo, we are able to elevate our privileges with a command similar to the one illustrated above

Privilege Escalation

Sudo Python

Python is a very popular scripting language that can be used for a lot of different purposes



Privilege Escalation

Sudo Python

```
sudo python -c 'import os; os.system("/bin/sh")'
```

If we can run Python with Sudo, then we can elevate our privileges by using a command similar to the one illustrated above

Privilege Escalation

Sudo Awk

Awk is a Linux / Unix binary that is used for text formatting. It is very useful when we want to manipulate and replace characters in command output



Privilege Escalation

Sudo Awk

```
sudo awk 'BEGIN {system("/bin/sh")}'
```

If we are able to use Awk with sudo, we can escalate our privileges by using a command similar to the one illustrated above

Privilege Escalation

Sudo Zzuf

About zzuf:

zzuf is a transparent application input fuzzer. It works by intercepting file operations and changing random bits in the program's input. zzuf's behaviour is deterministic, making it easy to reproduce bugs.

The Zzuf program is an application input fuzzer, which can be used to test the security and stability of different programs

Privilege Escalation

Sudo Zzuf

```
sudo zzuf bash
```

If we can use the Zzuf program with Sudo, we can escalate privileges by using a command like the one illustrated above