Creating Shell Scripts in Enterprise Linux

AUTOMATING THE BORING STUFF



Andrew Mallett
LINUX AUTHOR AND CONSULTANT

@theurbanpenguin www.theurbanpenguin.com



Course



Why do we need scripts?

Creating scripts

Gathering user input and using logic

Using functions and loops within scripts

Building menus and operator login scripts



"Always choose a lazy person to do a difficult job, they will find an easy way to do it"

Bill Gates



Module Overview



What you will need for the labs

Automating the boring stuff

Using the command line to supercharge your administration



Lab System



We use Red Hat Enterprise Linux 8 for the demonstrations but any recent Linux distribution will suffice, it will require root access



Consider using AWS instance or similar cloud system



A single system is enough for this course



Because you have more interesting things to do with your life



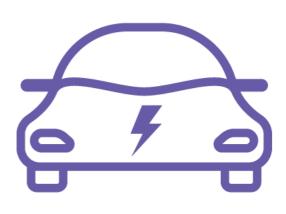
Repeatability



Follow procedures, ISO quality management



Repeatably correct, the script does the same things in the same order



Speed, for both your job and practical exams



Demo



Before we create scripts let's see how we can use scripting techniques to speed the command line



Summary



Automating the tedious tasks helps your work become more accurate

You can learn scripting on any Linux system

Executing loops from the command line can expedite administration tasks without the need for scripts



Using Loops from the CLI

```
$ for u in user{1..3}; do echo $u; done
user1
user2
user3
```



Next up: Writing Your First Script

