

Skills Practice - Shell Scripting Exercise 4

Goal:

The goal of this skills practice is to familiarize you with shell scripting techniques.

Instructions:

Start a Virtual Machine

For this practice let's use a virtual machine that we created for the previous exercise. First, start a command line session. Change into your `linuxclass` folder and then change into the `scripting` directory. From there start the virtual machine and connect to it.

```
cd linuxclass
cd scripting
vagrant up
vagrant ssh
```

Solution

Create the shell script with your favorite editor.

```
nano script4.sh
```

Place the following contents in the file.

```
#!/bin/bash

FILE="/etc/shadow"

if [ -e "$FILE" ]
then
    echo "Shadow passwords are enabled."
fi

if [ -w "$FILE" ]
then
    echo "You have permissions to edit ${FILE}."
else
    echo "You do NOT have permissions to edit ${FILE}."
fi
```

Save your changes, make the file executable, and run your script.

```
chmod 755 script4.sh
./script4.sh
```

Try executing the script with superuser privileges.

```
sudo ./script4.sh
```