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## Workshop 6

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### 1. Crear archivo hello.sh en maquina anfitriona

```
touch hello.sh
```

### 2. En hello.sh:

```
#!/bin/bash

# Hola mundo en Bash

clear
echo "Hola mundo"
```

### 3. En la maquina virtual:

```
echo "Hola mundo" > confidencial.txt
ls
ls -l
chmod 600 confidencial.txt
ls -l
echo "Hola mundo publico" > publico.txt
ls -l

sudo adduser tony
Ingresar la informacion de tony, password 12345678

su tony
cd
pwd
```

```
cd ..
ls -l
cd /vagrant
ls -l
cat publico.txt
cat confidencial.txt
exit

sudo addgroup isw811
sudo gpasswd -a tony isw811
ls -l
chown vagrant:isw811 confidencial.txt
ls -l

sudo adduser tommy
Ingresar la informacion de tommy, password 12345678

su tommy
ls -l
cat confidencial.txt
exit

su tony
ls -l
cat confidencial.txt
exit

chmod 640 confidencial.txt

su tony
ls -l
cat confidencial.txt
exit

cat /etc/group
cat /etc/group | grep isw811
```

#### 4. En hello.sh:

```
#!/bin/bash

# Hola mundo en Bash

clear
printf "Ingrese su nombre: "
read name
echo

if [ ${#name} -eq 0 ]; then
```

```
    echo "Me hubiera gustado conocerte..."
else
    echo "Hola $name"
fi

while [ true ]; do
    printf "Ingrese su año de nacimiento (yyyy): "
    read birthyear
    echo

    if [ -z `echo $birthyear | grep -E ^-\?[0-9]*$` ]; then
        echo "Debe ingresar un numero"
    else
        if [ $birthyear -ge 1930 ] && [ $birthyear -lt 2023 ]; then
            break
        else
            echo "Debe ingresar un numero entre 1930 y 2022"
        fi
    fi
done

if [ $birthyear -ge 2010 ]; then
    echo "Eres de la generacion alfa"
elif [ $birthyear -ge 1995 ] && [ $birthyear -lt 2010 ]; then
    echo "Eres un nativo digital (Z)"
elif [ $birthyear -ge 1982 ] && [ $birthyear -lt 1995 ]; then
    echo "Eres un millenial"
elif [ $birthyear -ge 1965 ] && [ $birthyear -lt 1982 ]; then
    echo "Eres de la generacion X"
elif [ $birthyear -ge 1945 ] && [ $birthyear -lt 1965 ]; then
    echo "Eres de la generacion de los Baby Boomers"
elif [ $birthyear -lt 1945 ]; then
    echo "Eres de la generacion silenciosa"
fi
```

## 5. En la maquina virtual:

```
cd /vagrant
ls
ls -l
chmod 744 hello.sh
./hello.sh
```

## 6. En la maquina virtual:

```
cd ~
mysqldump northwind > northwind.sql -u user_laravel -p
ls -lh
tar cvfz northwind.tar.gz northwind.sql
rm northwind.sql
```

## 7. Crear archivo backup-northwind.sh en maquina anfitriona

```
touch backup-northwind.sh
```

## 8. En backup-northwind.sh:

```
#!/bin/bash

site="northwind.isw811.xyz"
directory="/home/vagrant/backups/"$site
datetime=$(date +"%Y%m%d_%H%M%S")
database="northwind"
username="user_laravel"
password="secret"

if [ ! -z "$1" ]; then
    filename="$site_"$1.sql
else
    filename="$site_"$datetime.sql
fi

mkdir -p $directory
cd $directory

echo "$filename" >> "$directory/backup_$site.log"
echo "Inicio: $(date +"%d/%m/%Y %H:%M:%S") >>
"$directory/backup_$site.log"

echo "Iniciando respaldo..."

mysqldump northwind > "$directory/$filename" -u $username --
password=$password

echo "Comprimiendo respaldo..."

tar cvfz "$filename.tar.gz" $filename

echo "Eliminando archivo temporal..."
```

```
rm $filename

echo "Fin: "$(date +"%d/%m/%Y %H:%M:%S") >> "$directory/backup_$site.log"
echo >> "$directory/backup_$site.log"
```

## 9. En la maquina virtual:

```
cd /vagrant
ls
ls -l
chmod 744 backup-northwind.sh
./backup-northwind.sh
cd /home/vagrant/backups/northwind.isw811.xyz
ls -lh
cat backup_northwind.isw811.xyz.log

cd /vagrant
./backup-northwind.sh martes
cd /home/vagrant/backups/northwind.isw811.xyz
ls -lh
cat backup_northwind.isw811.xyz.log

cd /vagrant
date
crontab -e
Seleccionar nano
Agregar debajo del ultimo comentario:
    29 03 * 11 * /vagrant/backup-northwind.sh
    * * * * * /vagrant/backup-northwind.sh
CTRL+O, ENTER, CTRL+X

cd /home/vagrant/backups/northwind.isw811.xyz
ls

cd ~
ls -la
```