

Introducción a Linux Shell scripting

Programación en el shell

Automatizar tareas y reducir el riesgo de errores Combina una secuencia de comandos larga y repetitiva en un solo comando

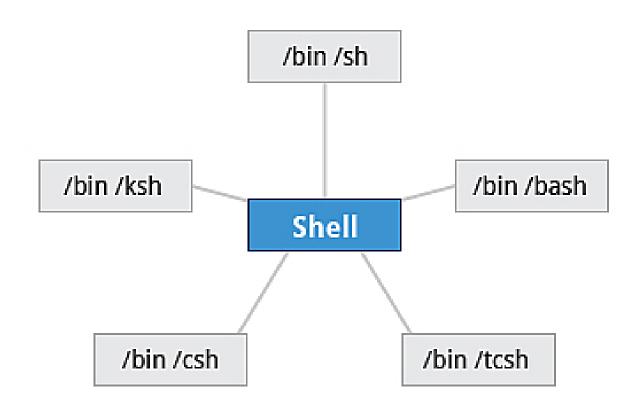
> Compartir procedimientos entre varios usuarios

Características de los scripts del shell

Proporcionar una interfaz controlada a los usuarios

Crea nuevos comandos usando combinaciones de utilidades Creación rápida de prototipos sin necesidad de compilarse

Intérpretes de comandos disponibles



Tipos de órdenes Compiled Built-in Other applications bash commands scripts cd rm ls pwd Parámetros df echo read \$0 gzip logout \$1 printf let \$2, \$3, etc. ulimit \$* \$#

echo "Hello Linux Foundation Student"

\$ cat > hello.sh

\$ bash hello.sh

Hello Linux Foundation Student

#!/bin/bash

\$

Sintaxis

```
#! /bin/bash

if [ -f "$1" ]
then
    echo file "$1 exists"
else
    echo file "$1" does not exist
fi
```

Sustitución

```
$(....)
`....`
```

Valor de retorno

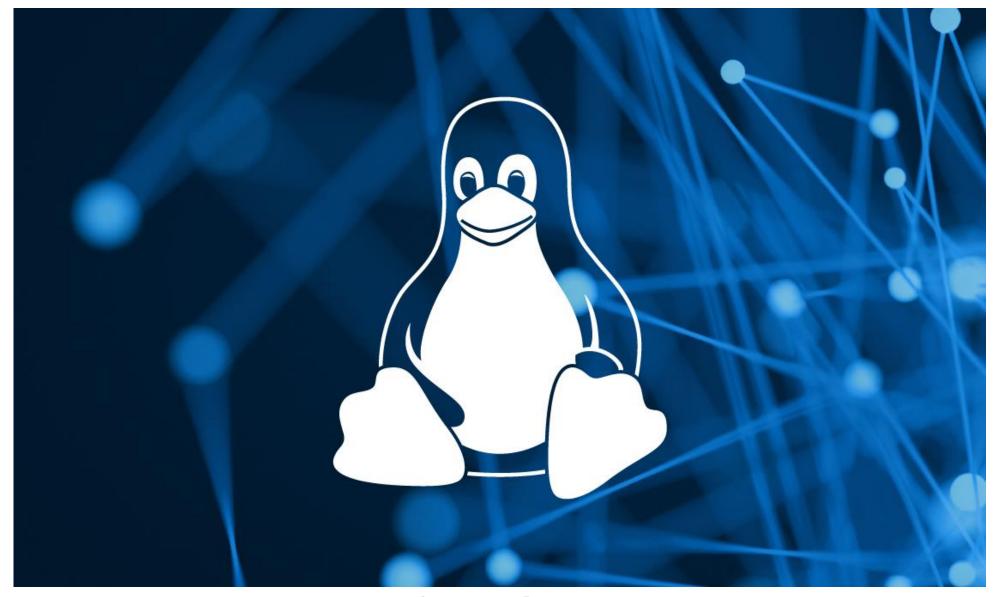
\$? exit 0

```
Redirecciones
```

```
>, >>
<, <<
|
```

Comprobaciones numéricas

```
🔞 🖨 🗊 student@ubuntu: /tmp
#!/bin/bash
AGE=$1
if [[ $AGE -ge 20 ]] && [[ $AGE -lt 30 ]]; then
   echo "You are in your 20s"
elif [[ $AGE -ge 30 ]] && [[ $AGE -lt 40 ]]; then
   echo "You are in your 30s"
elif [[ $AGE -ge 40 ]] && [[ $AGE -lt 50 ]]; then
   echo "You are in your 40s"
else
   echo at AGE=$AGE, you are not in the proper range of 21
-50
fi
student@ubuntu:/tmp$ ./checkage.sh 33
You are in your 30s
student@ubuntu:/tmp$ ./checkage.sh 21
You are in your 20s
student@ubuntu:/tmp$ ./checkage.sh 18
at AGE=18, you are not in the proper range of 21-50
student@ubuntu:/tmp$
```



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