

UNDERSTANDING SHELL SCRIPT

Creating Users on Linux through scripting



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c4:~$ ubuntu@ip-172-31-35-76:~
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ubuntu@ip-172-31-35-76:~$ vim create_user.sh
```

```
#!/bin/bash
#Script should be executed with root access only
if [ "$UID" -ne 0 ]
then
    echo "Please try again with root access"
    exit 1
fi

#User should provide atleast one argument as username
if [ "$#" -lt 1 ]
then
    echo "Please create user with name USER_NAME"
    exit 1
fi

#Store 1st argument as a username
USER_NAME=$1

#Incase of more than one arguments, store it as a account comments
shift
COMMENTS=$@

#Create a user
useradd -c "$COMMENTS" -m $USER_NAME

#Check if user is successfully created or not
if [ "$?" -ne 0 ]
```

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then
    echo "Account can not be created"
    exit 1
fi

#Set the password for the user
PASSWORD=$(date +%s%N)
echo "Password: $PASSWORD"
echo "$USER_NAME:$PASSWORD" | chpasswd

#Check if the password is successfully set or not
if [ "$?" -ne 0 ]
then
    echo "ERROR: Please set password "
    exit 1
fi

#Force password change on first login
passwd -e $USER_NAME
```

```
#Display the contents
echo
echo "SUCCESS!"
echo
echo "Login credentials are"
echo
echo "Username: $USER_NAME"
echo "Password: $PASSWORD"
echo "Hostname: $(hostname)"
```

```
root@ip-172-31-35-76: /home/ubuntu
ubuntu@ip-172-31-35-76:~$ sudo su
root@ip-172-31-35-76:/home/ubuntu# ./create_user.sh Kashif TestUser
Password: 1710764878991897769
passwd: password expiry information changed.

SUCCESS!

Login credentials are

Username: Kashif
Password: 1710764878991897769
Hostname: ip-172-31-35-76
root@ip-172-31-35-76:/home/ubuntu# su - Kashif
You are required to change your password immediately (administrator enforced).
Changing password for Kashif.
Current password:
New password:
Retype new password:
$ ls -l
total 0
$ mkdir Classes
$ ls -l
total 4
drwxrwxr-x 2 Kashif Kashif 4096 Mar 18 12:29 Classes
$ exit
root@ip-172-31-35-76:/home/ubuntu#
```