

#481532 - FIX HOME DIRECTORY ASSIGNMENT FOR USER "DAVID" ON OPENSUSE.EXAMPLE.COM

➤ **Objective:**

- This task involves resolving a home directory issue for the user "david" on the OpenSUSE 15 Leap system with hostname opensuse.example.com. Currently, the user receives a default home directory upon login, whereas they require a dedicated directory named "/home/david_home". Additionally, ensure the user can create directories and files within this new home directory. The password of david user is 'testuser' .

➤ **Scenario:**

- The script you will download sets up a user named "david" on the system. However, the user is not assigned the desired home directory "/home/david_home". As a result, the user receives a default home directory upon login. This task requires you to fix this configuration so "david" has the correct home directory and can manage files within it.

➤ **Constraints:**

- The root user password for opensuse.example.com is "MyOpenSUSE".
- Ensure the opensuse.example.com system can ping google.com to verify internet connectivity.

➤ **You will download a script using**

<https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task1>

- Run the downloaded script on the OpenSUSE 15 Leap system with hostname opensuse.example.com

➤ **Completion Criteria:**

- The user "david" is assigned the correct home directory "/home/david_home"

- The user "david" can create directories and files within their new home directory.
- Create a documentation explaining what steps you took to solve the issue

- LOG IN AS THE ROOT USER.
- CHECK HOSTNAME.
- ENSURE THE SYSTEM CAN PING AN EXTERNAL SITE LIKE GOOGLE TO VERIFY INTERNET CONNECTIVITY

```
localhost:~ # sudo -i
opensuse:~ # hostname
opensuse.example.com
opensuse:~ # ping google.com
PING google.com (142.250.199.174) 56(84) bytes of data.
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=1 ttl=49 time=108 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=2 ttl=49 time=87.6 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=3 ttl=49 time=101 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=4 ttl=49 time=127 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=5 ttl=49 time=123 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=6 ttl=49 time=147 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=7 ttl=49 time=149 ms
^C
--- google.com ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6033ms
rtt min/avg/max/mdev = 87.554/120.247/148.923/21.324 ms
opensuse:~ #
```

Download the script from the provided URL

```
localhost:~ # sudo -i
opensuse:~ # hostname
opensuse.example.com
opensuse:~ # ping google.com
PING google.com (142.250.199.174) 56(84) bytes of data.
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=1 ttl=49 time=108 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=2 ttl=49 time=87.6 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=3 ttl=49 time=101 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=4 ttl=49 time=127 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=5 ttl=49 time=123 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=6 ttl=49 time=147 ms
64 bytes from bom07s37-in-f14.1e100.net (142.250.199.174): icmp_seq=7 ttl=49 time=149 ms
^C
--- google.com ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6033ms
rtt min/avg/max/mdev = 87.554/120.247/148.923/21.324 ms
opensuse:~ # wget https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task1
--2024-06-17 11:08:10-- https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task1
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133, 185.199.111.133,
185.199.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.108.133|:443... connecte
d.
HTTP request sent, awaiting response... 200 OK
Length: 1379 (1.3K) [text/plain]
Saving to: 'Task1'

Task1                                100%[=====>]    1.35K  --.-KB/s    in 0s

2024-06-17 11:08:11 (12.5 MB/s) - 'Task1' saved [1379/1379]

opensuse:~ # chmod +x /root/Task1
opensuse:~ # /root/Task1
The Scenario is set
opensuse:~ #
```

- ✚ Execute the downloaded script
- ✚ Check if the user "david" has been created by the script.
- ✚ Create the new home directory "/home/david_home"
- ✚ Change the ownership of the new home directory to the user "david".
- ✚ Modify the user "david" to use the new home directory. Now Switch to the user "david" and check if the home directory is set correctly and the user can create files and directories

```

opensuse:~ # chmod +x /root/Task1
opensuse:~ # /root/Task1
The Scenario is set
opensuse:~ # cat /etc/passwd | grep david
david:x:1001:100::/home/david:/bin/bash
opensuse:~ # id david
uid=1001(david) gid=100(users) groups=100(users)
opensuse:~ # groupadd david
opensuse:~ # usermod -g david david
opensuse:~ # id david
uid=1001(david) gid=1000(david) groups=1000(david)
opensuse:~ # mkdir -p /home/david_home
opensuse:~ # chown david:david /home/david_home
opensuse:~ # usermod -d /home/david_home david
opensuse:~ # cat /etc/passwd | grep david
david:x:1001:1000::/home/david_home:/bin/bash
opensuse:~ # su - david
david@opensuse:~> pwd
/home/david_home
david@opensuse:~> mkdir directory1
david@opensuse:~> touch abc.txt
david@opensuse:~> ls -l
total 0
-rw-r--r-- 1 david david 0 Jun 17 11:18 abc.txt
drwxr-xr-x 1 david david 0 Jun 17 11:17 directory1
david@opensuse:~> _

```

END