

ASSIGNMENT #1(b) – Preparing a Linux server for Oracle installation

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ISQA 4300/8306-860

Fall 2019

• getentpasswd|grep “\home”

```
perl threads-shared.x86_64 0:1.43-6.el7
Complete!
[ec2-user@ip-172-31-55-153 ~]$ getent passwd | grep "/home"
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash
[ec2-user@ip-172-31-55-153 ~]$
```

• getentgroup|grep [1-9][0-9][0-9][0-9]

```
[ec2-user@ip-172-31-55-153 ~]$ getent group | grep [1-9][0-9][0-9][0-9]
ec2-user:x:1000:
[ec2-user@ip-172-31-55-153 ~]$
```

```
Complete!
[ec2-user@ip-172-31-55-153 ~]$ getent passwd | grep "/home"
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash
oracle:x:54321:54321::/home/oracle:/bin/bash
[ec2-user@ip-172-31-55-153 ~]$ getent group | grep [1-9][0-9][0-9][0-9]
ec2-user:x:1000:
nfsnobody:x:65534:
oinstall:x:54321:
dba:x:54322:oracle
[ec2-user@ip-172-31-55-153 ~]$ sudo
```

• lsblk

```
exit
[ec2-user@ip-172-31-55-153 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvdc        202:32   0   10G  0 disk
xvda        202:0    0   15G  0 disk
└─xvda1     202:1    0   15G  0 part /
xvdd        202:48   0   30G  0 disk
xvdb        202:16   0    5G  0 disk
[ec2-user@ip-172-31-55-153 ~]$
```

```
[ec2-user@ip-172-31-55-153 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvdc        202:32   0   10G  0 disk
xvda        202:0    0   15G  0 disk
└─xvda1     202:1    0   15G  0 part /
xvdd        202:48   0   30G  0 disk
xvdb        202:16   0    5G  0 disk
[ec2-user@ip-172-31-55-153 ~]$ sudo mkswap /dev/xvdb
Setting up swapspace version 1, size = 5242876 KiB
no label, UUID=ec829af8-fb9d-4928-804f-591824754148
[ec2-user@ip-172-31-55-153 ~]$ free -m
```

	total	used	free	shared	buff/cache	available
Mem:	3674	65	3439	8	170	3550
Swap:	0	0	0			

```
[ec2-user@ip-172-31-55-153 ~]$
```

```
[ec2-user@ip-172-31-55-153 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvdc        202:32   0   10G  0 disk
xvda        202:0    0   15G  0 disk
└─xvda1     202:1    0   15G  0 part /
xvdd        202:48   0   30G  0 disk
xvdb        202:16   0    5G  0 disk [SWAP]
[ec2-user@ip-172-31-55-153 ~]$
```

```
[ec2-user@ip-172-31-55-153 /]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvdc        202:32   0   10G  0 disk
xvda        202:0    0   15G  0 disk
└─xvda1     202:1    0   15G  0 part /
xvdd        202:48   0   30G  0 disk
xvdb        202:16   0    5G  0 disk [SWAP]
[ec2-user@ip-172-31-55-153 /]$
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[ec2-user@ip-172-31-55-153 /]$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvdc        202:32   0   10G  0 disk
xvda        202:0    0   15G  0 disk
└─xvda1     202:1    0   15G  0 part /
xvdd        202:48   0   30G  0 disk
xvdb        202:16   0    5G  0 disk [SWAP]
[ec2-user@ip-172-31-55-153 /]$
```

- **ls-l**

```
[ec2-user@ip-172-31-55-153 ~]$ ls -l
total 68
lrwxrwxrwx. 1 root root    7 Nov 27  2018 bin -> usr/bin
drwxr-xr-x. 4 root root 4096 Sep 24 15:55 boot
drwxr-xr-x. 18 root root 2980 Sep 24 20:32 dev
drwxr-xr-x. 74 root root 4096 Sep 24 21:32 etc
drwxr-xr-x. 4 root root 4096 Sep 18 21:56 home
drwxr-xr-x. 3 root root 4096 Sep 24 21:13 inv
lrwxrwxrwx. 1 root root    7 Nov 27  2018 lib -> usr/lib
lrwxrwxrwx. 1 root root    9 Nov 27  2018 lib64 -> usr/lib64
drwx-----. 2 root root 16384 Jan 29  2019 lost+found
drwxr-xr-x. 2 root root 4096 Apr 11  2018 media
drwxr-xr-x. 2 root root 4096 Apr 11  2018 mnt
drwxr-xr-x. 2 root root 4096 Apr 11  2018 opt
dr-xr-xr-x. 98 root root    0 Sep 24 20:32 proc
dr-xr-x---. 4 root root 4096 Sep 17 17:41 root
drwxr-xr-x. 23 root root  740 Sep 24 20:48 run
lrwxrwxrwx. 1 root root    8 Nov 27  2018 sbin -> usr/sbin
drwxr-xr-x. 2 root root 4096 Apr 11  2018 srv
dr-xr-xr-x. 13 root root    0 Sep 24 20:32 sys
drwxrwxrwt. 8 root root 4096 Sep 24 21:25 tmp
drwxr-xr-x. 3 root root 4096 Sep 24 21:15 u01
drwxr-xr-x. 13 root root 4096 Nov 27  2018 usr
drwxr-xr-x. 18 root root 4096 Nov 27  2018 var
[ec2-user@ip-172-31-55-153 ~]$
```

```
[ec2-user@ip-172-31-55-153 /]$ ls -l
total 68
lrwxrwxrwx. 1 root root 7 Nov 27 2018 bin -> usr/bin
drwxr-xr-x. 4 root root 4096 Sep 24 15:55 boot
drwxr-xr-x. 18 root root 2980 Sep 24 20:32 dev
drwxr-xr-x. 74 root root 4096 Sep 24 21:32 etc
drwxr-xr-x. 4 root root 4096 Sep 18 21:56 home
drwxr-xr-x. 3 oracle oinstall 4096 Sep 24 21:13 inv
lrwxrwxrwx. 1 root root 7 Nov 27 2018 lib -> usr/lib
lrwxrwxrwx. 1 root root 9 Nov 27 2018 lib64 -> usr/lib64
drwx----- 2 root root 16384 Jan 29 2019 lost+found
drwxr-xr-x. 2 root root 4096 Apr 11 2018 media
drwxr-xr-x. 2 root root 4096 Apr 11 2018 mnt
drwxr-xr-x. 2 root root 4096 Apr 11 2018 opt
dr-xr-xr-x. 101 root root 0 Sep 24 20:32 proc
dr-xr-x--- 4 root root 4096 Sep 17 17:41 root
drwxr-xr-x. 23 root root 740 Sep 24 20:48 run
lrwxrwxrwx. 1 root root 8 Nov 27 2018 sbin -> usr/sbin
drwxr-xr-x. 2 root root 4096 Apr 11 2018 srv
dr-xr-xr-x. 13 root root 0 Sep 24 20:32 sys
drwxrwxrwt. 8 root root 4096 Sep 24 21:25 tmp
drwxr-xr-x. 3 oracle oinstall 4096 Sep 24 21:15 u01
drwxr-xr-x. 13 root root 4096 Nov 27 2018 usr
drwxr-xr-x. 18 root root 4096 Nov 27 2018 var
[ec2-user@ip-172-31-55-153 /]$
```

```

Last login: Tue Sep 24 15:34:05 on ttys000
-bash: /user/libexec/java_home: No such file or directory
Rameshs-MacBook-Air:~ ramesh$ cd desktop/
Rameshs-MacBook-Air:desktop ramesh$ ssh -i 2019FallDBA.pem ec2-user@34.218.59.101
The authenticity of host '34.218.59.101 (34.218.59.101)' can't be established.
ECDSA key fingerprint is SHA256:qcaY5ZnmXPkavivyEYDF8qW3w79300YoAC7XMiki3eI.
Are you sure you want to continue connecting (yes/no)? y
Please type 'yes' or 'no': yes
Warning: Permanently added '34.218.59.101' (ECDSA) to the list of known hosts.
Last login: Tue Sep 24 17:25:45 2019 from 137.48.255.12
[ec2-user@ip-172-31-55-153 ~]$ sudo yum update
Loaded plugins: ulninfo
No packages marked for update
[ec2-user@ip-172-31-55-153 ~]$ getent passwd | grep "/home"
[ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash
oracle:x:54321:54321::/home/oracle:/bin/bash
[ec2-user@ip-172-31-55-153 ~]$ getent group | grep [1-9][0-9][0-9][0-9]
[ec2-user:x:1880:
nfsnobody:x:65534:
oinstall:x:54321:
dba:x:54322:oracle
[ec2-user@ip-172-31-55-153 ~]$ exit
[logout
Connection to 34.218.59.101 closed.
Rameshs-MacBook-Air:desktop ramesh$ ssh -i 2019FallDBA.pem ec2-user@34.218.59.101
Last login: Tue Sep 24 20:47:46 2019 from 137.48.255.12
[ec2-user@ip-172-31-55-153 ~]$ su oracle
Password:
[oracle@ip-172-31-55-153 ec2-user]$ cd ~
[oracle@ip-172-31-55-153 ~]$ pwd
/home/oracle
[oracle@ip-172-31-55-153 ~]$ exit
exit
[ec2-user@ip-172-31-55-153 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-31-55-153 ~]$ su oracle
Password:
[oracle@ip-172-31-55-153 ec2-user]$ pwd
/home/ec2-user
[oracle@ip-172-31-55-153 ec2-user]$ mkdir .ssh
mkdir: cannot create directory '.ssh': Permission denied
[oracle@ip-172-31-55-153 ec2-user]$ pwd
/home/ec2-user
[oracle@ip-172-31-55-153 ec2-user]$ cd ~
[oracle@ip-172-31-55-153 ~]$ pwd
/home/oracle
[oracle@ip-172-31-55-153 ~]$ mkdir .ssh
mkdir: cannot create directory '.ssh': File exists
[oracle@ip-172-31-55-153 ~]$ ls
[oracle@ip-172-31-55-153 ~]$ chmod 700 .ssh
[oracle@ip-172-31-55-153 ~]$ touch .ssh/authorized_keys
[oracle@ip-172-31-55-153 ~]$ GET http://169.254.169.254/latest/meta-data/public-keys/0/openssh-key>.ssh/authorized
[oracle@ip-172-31-55-153 ~]$ ls
[oracle@ip-172-31-55-153 ~]$ ls -a
. . . .bash_history .bash_logout .bash_profile .bashrc .kshrc .ssh
[oracle@ip-172-31-55-153 ~]$ cd .ssh
[oracle@ip-172-31-55-153 .ssh]$ ls
authorized_keys
[oracle@ip-172-31-55-153 .ssh]$ vi authorized_keys
[oracle@ip-172-31-55-153 .ssh]$ exit
exit
[ec2-user@ip-172-31-55-153 ~]$ lsblk
NAME      MAJ:MIN RM SIZE RO TYPE MOUNTPOINT

```

```

└─xvda1 202:1 0 15G 0 part /
xvdd 202:48 0 30G 0 disk
xvdb 202:16 0 5G 0 disk [SWAP]
[ec2-user@ip-172-31-55-153 /]$ sudo mount -a
[ec2-user@ip-172-31-55-153 /]$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
[xvdc 202:32 0 10G 0 disk /inv
[xvda 202:0 0 15G 0 disk
└─xvda1 202:1 0 15G 0 part /
xvdd 202:48 0 30G 0 disk /u01
xvdb 202:16 0 5G 0 disk [SWAP]
[ec2-user@ip-172-31-55-153 /]$ ls -l
total 68
lrwxrwxrwx. 1 root root 7 Nov 27 2018 bin -> usr/bin
drwxr-xr-x. 4 root root 4096 Sep 24 15:55 boot
drwxr-xr-x. 18 root root 2980 Sep 24 20:32 dev
drwxr-xr-x. 74 root root 4096 Sep 24 21:32 etc
drwxr-xr-x. 4 root root 4096 Sep 18 21:56 home
drwxr-xr-x. 3 root root 4096 Sep 24 21:13 inv
lrwxrwxrwx. 1 root root 7 Nov 27 2018 lib -> usr/lib
lrwxrwxrwx. 1 root root 9 Nov 27 2018 lib64 -> usr/lib64
drwx----- 2 root root 16384 Jan 29 2019 lost+found
drwxr-xr-x. 2 root root 4096 Apr 11 2018 media
drwxr-xr-x. 2 root root 4096 Apr 11 2018 mnt
drwxr-xr-x. 2 root root 4096 Apr 11 2018 opt
dr-xr-xr-x. 98 root root 0 Sep 24 20:32 proc
dr-xr-x--- 4 root root 4096 Sep 17 17:41 root
drwxr-xr-x. 23 root root 740 Sep 24 20:48 run
lrwxrwxrwx. 1 root root 8 Nov 27 2018 sbin -> usr/sbin
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drwxrwxrwt. 8 root root 4096 Sep 24 21:25 tmp
drwxr-xr-x. 3 root root 4096 Sep 24 21:15 u01
drwxr-xr-x. 13 root root 4096 Nov 27 2018 usr
drwxr-xr-x. 18 root root 4096 Nov 27 2018 var
[ec2-user@ip-172-31-55-153 /]$ sudo chown -R oracle.oinstall /inv
[ec2-user@ip-172-31-55-153 /]$ sudo chown -R oracle.oinstall /u01
[ec2-user@ip-172-31-55-153 /]$ ls -l
total 68
lrwxrwxrwx. 1 root root 7 Nov 27 2018 bin -> usr/bin
drwxr-xr-x. 4 root root 4096 Sep 24 15:55 boot
drwxr-xr-x. 18 root root 2980 Sep 24 20:32 dev
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drwxr-xr-x. 4 root root 4096 Sep 18 21:56 home
drwxr-xr-x. 3 oracle oinstall 4096 Sep 24 21:13 inv
lrwxrwxrwx. 1 root root 7 Nov 27 2018 lib -> usr/lib
lrwxrwxrwx. 1 root root 9 Nov 27 2018 lib64 -> usr/lib64
drwx----- 2 root root 16384 Jan 29 2019 lost+found
drwxr-xr-x. 2 root root 4096 Apr 11 2018 media
drwxr-xr-x. 2 root root 4096 Apr 11 2018 mnt
drwxr-xr-x. 2 root root 4096 Apr 11 2018 opt
dr-xr-xr-x. 101 root root 0 Sep 24 20:32 proc
dr-xr-x--- 4 root root 4096 Sep 17 17:41 root
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dr-xr-xr-x. 13 root root 0 Sep 24 20:32 sys
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drwxr-xr-x. 3 oracle oinstall 4096 Sep 24 21:15 u01
drwxr-xr-x. 13 root root 4096 Nov 27 2018 usr
drwxr-xr-x. 18 root root 4096 Nov 27 2018 var
[ec2-user@ip-172-31-55-153 /]$ packet_write_wait: Connection to 34.218.59.101 port 22: Broken pipe
Rameshs-MacBook-Air:desktop ramesh$

```