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]

```
[[ec2-user@ip-172-31-55-153 ~]$ getent group | grep [1-9][0-9][0-9][0-9]
ec2-user:x:1888:
[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

```
[ec2-user@ip-172-31-55-153 ~|$ lsblk
NAME
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
        202:32 0 10G 0 disk
xvdc
        202:0
xvda
                0 15G 0 disk
└xvda1 202:1
                   15G 0 part /
                0
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
                                                shared buff/cache
                                                                     available
                                      free
               3674
                            65
                                      3439
                                                     8
                                                               170
                                                                          3550
Mem:
Swap:
                 0
                             0
                                         0
[ec2-user@ip-172-31-55-153 ~]$
```

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

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

• Is-I

```
[ec2-user@ip-172-31-55-153 /]$ ls -l
 total 68
 drwxr-xr-x. 74 root root 4096 Sep 18 21:56 home
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/
lrwxrwxrwx. 1 root root 9 Nov 27 2018 lib64 -> us
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 9 Sep 24 20:32 proc
                                           4096 Sep 24 21:13 inv
7 Nov 27 2018 lib -> usr/lib
                                                                2018 lib64 -> usr/lib64
 dr-xr-x---. 4 root root
drwxr-xr-x. 23 root root
                                             740 Sep 24 20:48 run
                                                8 Nov 27 2018 sbin -> usr/sbin
 lrwxrwxrwx. 1 root root
                                           4096 Apr 11 2018 srv
 drwxr-xr-x. 2 root root
 dr-xr-xr-x. 13 root root
                                                0 Sep 24 20:32 sys
                                           4096 Sep 24 21:25 tmp
 drwxrwxrwt. 8 root root
 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.
                                   7 Nov 27 2018 bin -> usr/bin
             1 root
                      root
             4 root
                                4096 Sep 24 15:55 boot
drwxr-xr-x.
                      root
drwxr-xr-x. 18 root
                      root
                                2980 Sep 24 20:32 dev
                                4096 Sep 24 21:32 etc
drwxr-xr-x. 74 root
                      root
             4 root
                                4096 Sep 18 21:56 home
drwxr-xr-x.
                      root
drwxr-xr-x.
             3 oracle oinstall 4096 Sep 24 21:13 inv
                                   7 Nov 27 2018 lib -> usr/lib
lrwxrwxrwx. 1 root
                      root
                                   9 Nov 27 2018 lib64 -> usr/lib64
lrwxrwxrwx. 1 root
                      root
            2 root
drwx----.
                               16384 Jan 29 2019 lost+found
                      root
drwxr-xr-x.
            2 root
                      root
                                4096 Apr 11 2018 media
             2 root
                                4096 Apr 11 2018 mnt
drwxr-xr-x.
                      root
                                4096 Apr 11 2018 opt
drwxr-xr-x.
             2 root
                      root
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
                                 740 Sep 24 20:48 run
                      root
            1 root
                                   8 Nov 27 2018 sbin -> usr/sbin
lrwxrwxrwx.
                      root
            2 root
drwxr-xr-x.
                      root
                                4096 Apr 11 2018 srv
                                   0 Sep 24 20:32 sys
dr-xr-xr-x. 13 root
                      root
                                4096 Sep 24 21:25 tmp
drwxrwxrwt. 8 root
                      root
drwxr-xr-x. 3 oracle oinstall
                                4096 Sep 24 21:15 u01
drwxr-xr-x. 13 root
                                4096 Nov 27 2018 usr
                      root
                                4096 Nov 27 2018 var
drwxr-xr-x. 18 root
                      root
[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:1000:
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
[[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
[[oracle@ip-172-31-55-153 <u>ec2-user]</u>$ 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
. . . .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
```

```
15G 0 part /
└xvda1 202:1
                  Θ
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
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
NAME
[xvdc
         202:32
                  0
                    10G 0 disk /inv
xvda
         202:0
                  0
                    15G
                         0 disk
└xvda1 202:1
                    15G 0 part /
                  Θ
                     30G 0 disk /u01
5G 0 disk [SWAP]
xvdd
        202:48
                  0
         202:16
                  0
[ec2-user@ip-172-31-55-153 /]$ ls -l
total 68
                               7 Nov 27 2018 bin -> usr/bin
lrwxrwxrwx. 1 root root
[drwxr-xr-x. 4 root root
drwxr-xr-x. 18 root root
                           4096 Sep 24 15:55 boot
                            2980 Sep 24 20:32 dev
                           4096 Sep 24 21:32 etc
drwxr-xr-x. 74 root root
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
              2 root root 16384 Jan 29
drwx----.
                                         2019 lost+found
drwxr-xr-x.
              2 root root
                           4096 Apr 11
                                         2018 media
             2 root root
                            4096 Apr 11
                                         2018 mnt
drwxr-xr-x.
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
                              0 Sep 24 20:32 sys
dr-xr-xr-x. 13 root root
drwxrwxrwt. 8 root root
drwxr-xr-x. 3 root root
                            4096 Sep 24 21:25 tmp
                           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
                                   4096 Sep 24 15:55 boot
drwxr-xr-x.
              4 root
                        root
             18 root
                                   2980 Sep 24 20:32 dev
drwxr-xr-x.
                        root
              74 root
                                   4096 Sep 24 21:32 etc
drwxr-xr-x.
                        root
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
               1 root
                                      9 Nov 27
                                                 2018 lib64 -> usr/lib64
lrwxrwxrwx.
                        root
drwx----.
               2 root
                                  16384 Jan 29
                                                 2019 lost+found
                        root
               2 root
drwxr-xr-x.
                        root
                                   4096 Apr 11
                                                 2018 media
               2 root
                                   4096 Apr 11
                                                 2018 mnt
drwxr-xr-x.
                        root
drwxr-xr-x.
               2 root
                        root
                                   4096 Apr 11 2018 opt
                                      0 Sep 24 20:32 proc
dr-xr-xr-x. 101 root
                        root
                                   4096 Sep 17 17:41 root
dr-xr-x---.
              4 root
                        root
              23 root
                                    740 Sep 24 20:48 run
drwxr-xr-x.
                        root
                                      8 Nov 27 2018 sbin -> usr/sbin
lrwxrwxrwx.
               1 root
                        root
                                   4096 Apr 11 2018 srv
drwxr-xr-x.
               2 root
                        root
dr-xr-xr-x. 13 root
                                      0 Sep 24 20:32 sys
                        root
              8 root
                                   4096 Sep 24 21:25 tmp
drwxrwxrwt.
                        root
                                   4096 Sep 24 21:15 u01
4096 Nov 27 2018 usr
4096 Nov 27 2018 var
drwxr-xr-x.
              3 oracle oinstall
             13 root
drwxr-xr-x.
                        root
drwxr-xr-x.
              18 root
                        root
[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$
```