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

ISQA 4300/8306-860

Fall 2019

Due date: Wednesday, September 25

Overview

This assignment is the second in a series in which you will provision a Linux server and install Oracle 12c. In assignment 1(a), you launched and configured a Linux server on Amazon AWS. In this assignment you will create an Xterminal session to that server and perform a variety of preparation tasks, such as creating an oracle user account and attaching storage to the system. In later assignments, you will install a desktop, and then install Oracle.

Task

Follow the step-by step instructions in the accompanying document.

Deliverables

You will submit a screenshot that shows the results of the following four commands (note that you should be in the root "/" directory. `$ cd / `):

- `getent passwd | grep "\home"`
- `getent group | grep [1-9][0-9][0-9][0-9]`
- `lsblk`
- `ls -l`

These commands, executed after you have followed all of the instructions, will show the creation of the oracle user, the oracle groups, and of the storage mounted to the swap, /inv, and /u01 directories. Your session should have a label that reflects your name or NetID (in my example, it is called '2019 Wolcott DBA').

```
[ec2-user@ip-172-31-40-10 /]$ 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-172-31-40-10 /]$ getent group | grep [0-9][0-9][0-9][0-9]
ec2-user:x:1000:
nfsnobody:x:65534:
oinstall:x:54321:
dba:x:54322:oracle
[ec2-user@ip-172-31-40-10 /]$ 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-172-31-40-10 /]$ ls -l
total 68
lrwxrwxrwx.   1 root    root              7 Nov 27  2018 bin -> usr/bin
drwxr-xr-x.   4 root    root           4096 Aug 22 21:00 boot
drwxr-xr-x.  18 root    root           2980 Aug 24 19:32 dev
drwxr-xr-x.  74 root    root           4096 Aug 24 20:50 etc
drwxr-xr-x.   4 root    root           4096 Aug 24 20:13 home
drwxr-xr-x.   3 oracle oinstall        4096 Aug 24 20:37 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. 108 root    root              0 Aug 24 19:32 proc
dr-xr-x---.   4 root    root           4096 Aug 22 20:58 root
drwxr-xr-x.  22 root    root            640 Aug 24 20:13 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 Aug 24 19:32 sys
drwxrwxrwt.   8 root    root           4096 Aug 24 20:54 tmp
drwxr-xr-x.   3 oracle oinstall        4096 Aug 24 20:38 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-172-31-40-10 /]$
```

Grading

Assignment 1(b) will be worth 25 points.