ASSIGNMENT #1(a) – Provisioning a Linux server in the Cloud

ISQA 4300/8306-860

Fall 2019

Due date: Wednesday, September 18

Overview

This assignment is the first in a series in which you will provision a Linux server and install Oracle 12c. The provisioning will take place in three stages. First (this assignment) you will launch and configure a Linux server on Amazon AWS. In later assignments, you will prepare the server for the installation of Oracle, and then install Oracle.

Task

Follow the step-by step instructions in the accompanying document. The basic steps are the following:

1. Create an account on Amazon AWS.
2. Create an instance that uses Oracle Linux.
    a. Choose an (operating system) image to use for this instance.
    b. Choose an instance type suitable for an Oracle database server.
    c. Configure the instance.
    d. Add storage.
    e. Add tags that label the instance in a useful manner
    f. Configure security using a security group.
    g. Create a key pair to use to access your instance
    h. Launch the instance
3. Set up a billing alert

Deliverables

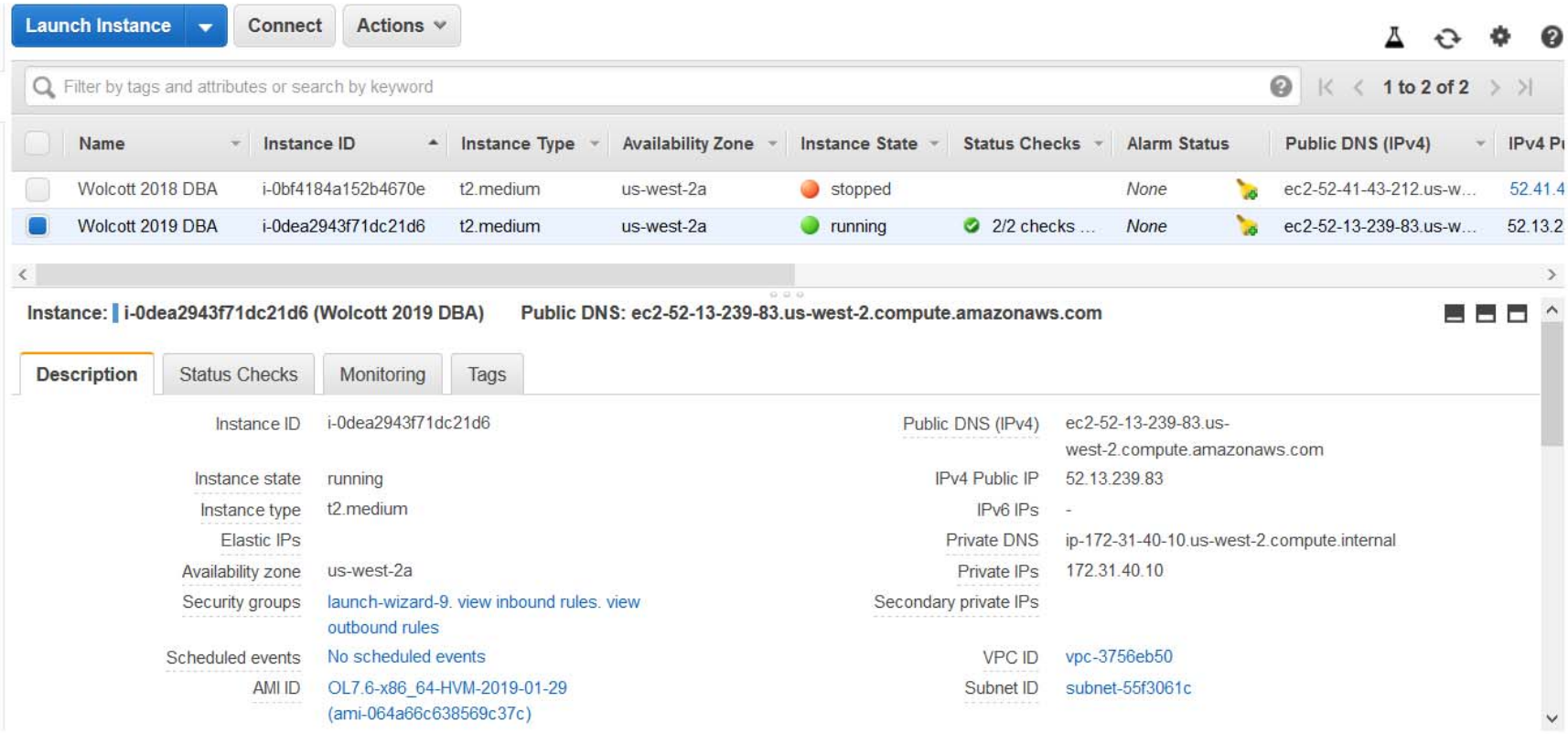
You will submit a screenshot of the instance details page for your server. It should look something like the figure below, though with different identifiers, DNS, and IP addresses, of course. If the information doesn't fit on one screen on your browser, take multiple screenshots.

I'll be looking to see that the server is running, that it has block devices attached, and that you are using the right instance type and right AMD ID. Please do

include your name somewhere in the name of the instance (this is one of the steps in the tutorial).

Grading

Assignment 1(a) will be worth 35 points. It will pretty much be an all- or nothing grading scale. If you have successfully launched the server and configured the security and connectivity, you get full points. If not, you won't.


Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
IPv4 Pu
Wolcott 2018 DBA
i-0bf4184a152b4670e
t2.medium
us-west-2a
stopped
None
ec2-52-41-43-212.us-w...
52.41.4
Wolcott 2019 DBA
i-0dea2943f71dc21d6
t2.medium
us-west-2a
running
2/2 checks ...
None
ec2-52-13-239-83.us-w...
52.13.2
Instance: i-0dea2943f71dc21d6 (Wolcott 2019 DBA)
Public DNS: ec2-52-13-239-83.us-west-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-0dea2943f71dc21d6
Instance state
running
Instance type
t2.medium
Elastic IPs
Availability zone
us-west-2a
Security groups
launch-wizard-9. view inbound rules. view outbound rules
Scheduled events
No scheduled events
AMI ID
OL7.6-x86_64-HVM-2019-01-29 (ami-064a66c638569c37c)
Public DNS (IPv4)
ec2-52-13-239-83.us-west-2.compute.amazonaws.com
IPv4 Public IP
52.13.239.83
IPv6 IPs
-
Private DNS
ip-172-31-40-10.us-west-2.compute.internal
Private IPs
172.31.40.10
Secondary private IPs
VPC ID
vpc-3756eb50
Subnet ID
subnet-55f3061c

Platform	-
IAM role	-
Key pair name	2019 Fall DBA
Owner	299195930536
Launch time	August 22, 2019 at 4:08:01 PM UTC-5 (1 hour)
Termination protection	False
Lifecycle	normal
Monitoring	basic
Alarm status	*None*
Kernel ID	-
RAM disk ID	-
Placement group	-
Partition number	-
Virtualization	hvm
Reservation	r-02df41921b7e5fc8d
AMI launch index	0
Tenancy	default
Host ID	-
Affinity	-
State transition reason	-
State transition reason message	-
Stop - Hibernation behavior	Disabled
Number of vCPUs	2

Network interfaces	eth0
Source/dest. check	True
T2/T3 Unlimited	Disabled
EBS-optimized	False
Root device type	ebs
Root device	/dev/sda1
Block devices	/dev/sda1 /dev/sdb /dev/sdc /dev/sdd
Elastic Graphics ID	-
Elastic Inference accelerator ID	-
Capacity Reservation	-
Capacity Reservation Settings	Open