# Atria Institute of Technology



## **Department of Information Science and Engineering**

# **Big Data Analytics (18CS72)**

## **Assignment-1**

#### **SUBMITTED BY**

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USN: 1AT20IS089

Section: 7 ISE - 2

Submission Date: 13/12/2023

#### **Course Handling Faculty Name:**

Dr. K S Ananda Kumar Associate Professor Dept of ISE, Atria IT.

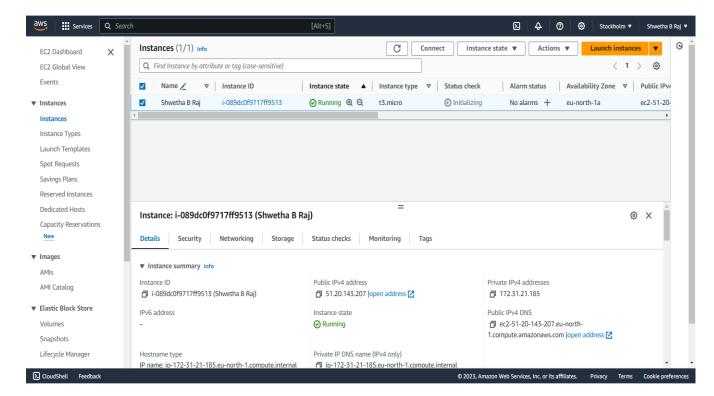
#### **Table of contents**

Sl. No	Description
1	1. create an EC2 Linux instance in AWS Cloud /Any cloud
	INSTANCE NAME - YOUR NAME
	INSTANCE TYPE - t2.micro/any other also.
	key pair name- your name
	storage - 10 GB
	Take the screenshot of instance running status
	Mention the private IP address and Public IP address.
	(Execute this program/concept and take a screenshot of the output)
2	Execute the basic Linux commands/ simple program on the instance
	(Execute this program and take a screenshot of the output)
3	Create the GitHub Account with your credentials, Same things stored in
	public repository in Github. Share the assignment in github link.

#### Note:

- 1. Minimum 10 Screenshots with proper explanation
- 2. Minimum no of pages -10
- 3. Submit your Assignment soft copy (Word & PDF) to <a href="mailto:anandakumar.ks@atria.edu">anandakumar.ks@atria.edu</a>. Subject Line in mail: Student\_Name\_USN\_BDA\_Assignment1
- 4. Share your assignment Github link in Assignment Document.
- 5. Submit Assignment on or before 27th Nov 2023.

# Instance Creation-01 SCREENSHOTS OF AWS INSTANCE



• Instance:

i-089dc0f9717ff9513 (Shwetha B Raj)

• Instance ID:

i-089dc0f9717ff9513 (Shwetha B Raj)

• Public IPv4 address:

51.20.143.207

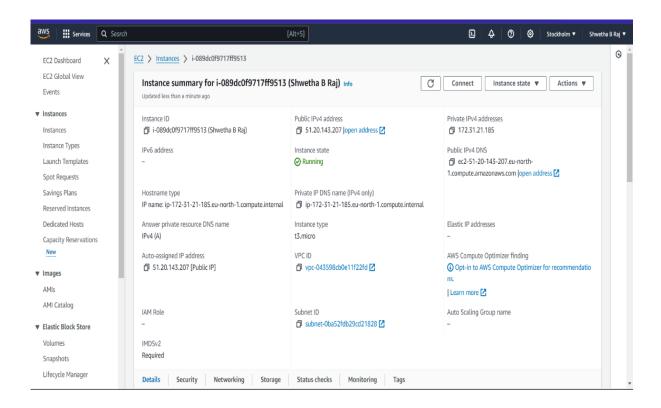
• Private IPv4 address:

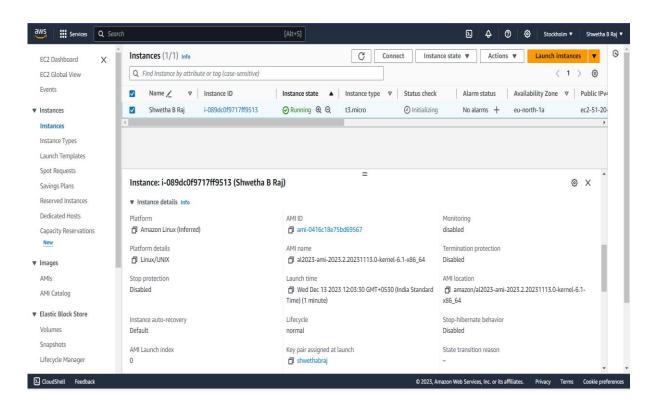
172.31.21.185

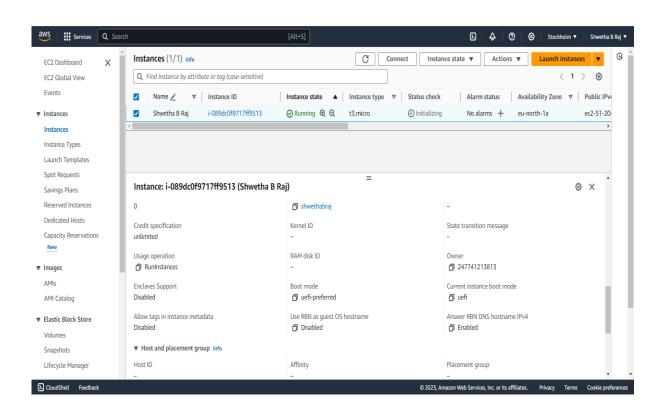
Instance State:

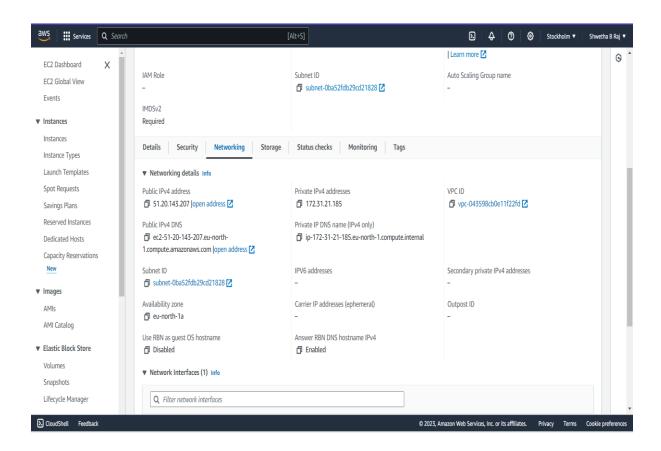
Running

#### SCREENSHOTS OF AWS INSTANCE

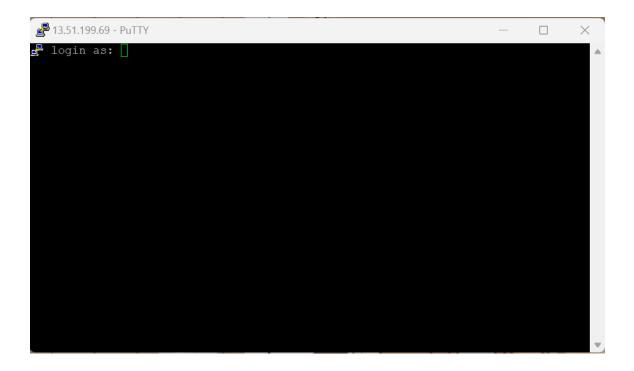








#### RUNNING SAMPLE PROGRAM ON LINUX INSTANCE



This directs us to this screen now enter the User name that is ec2-user

Ater successful login it authenticates and now we can enter any commands.

#### **SCREENSHOTS FROM COMMANDS**



#### • pwd:

pwd is used to present working directory, this gave the output /home/ec2-user

#### • mkdir:

The mkdir (**make directory**) command creates a new directory in the provided location. I have created a directory called new directory

#### • ls:

The ls command (list) prints a list of the current directory's contents. Therefore, we got the directory created display as output.

#### • touch:

- The touch command's primary purpose is to modify an existing file's timestamp. The command creates an empty file if it does not exist. Due to this effect, touch is also a quick way to make a new file (or a batch of files).
- Here I have created a txt file called new\_file first then a second txt file called file\_txt.
- Using Is command, we can find where these files have been created.

#### • cat:

- The cat command (concatenate) displays the contents of a file in the terminal (standard output or stdout).
- To use the command, provide a file name from the current directory.
- Here I provide the txt file called new\_file.txt.

#### • echo:

- The echo command to print arguments to the terminal.
- Here I have used echo "hello good morning my name is Shwetha".
- The >> operator redirects output to a file.

Later I used cat command to find the content in new\_file.txt. Therefore, we can see that "hello good morning my name is Shwetha" has been added to new\_file.txt cat file.txt is executed to show that there is no content in file.txt.

#### • cp:

- The main way to copy files and directories in Linux is through the cp (copy) command. cp <source file> <target file>.
- The source and target files must have different names since the command copies in the same directory. Provide a path before the file name to copy to another location.
- Here we are copying the content of new\_file.txt into file.txt using cp [cp new\_file.txt file.txt]
- Then when we use cat on file.txt it shows "hello this is the content in new\_file.txt" so content is successfully copied.
- Now we make use of echo and >> to add a new line in file.txt i.e "after copying contents from new\_file I am adding a new line into file.txt".
- Now when cat is used on file.txt both are lines are given as output.

Assignment GitHub Link:						
https://github.co	om/Shwetha-B-Raj	/BDA-Assignme	ent-1			