



CLOUD COMPUTING IOT BONOUS ASSIGNMENT

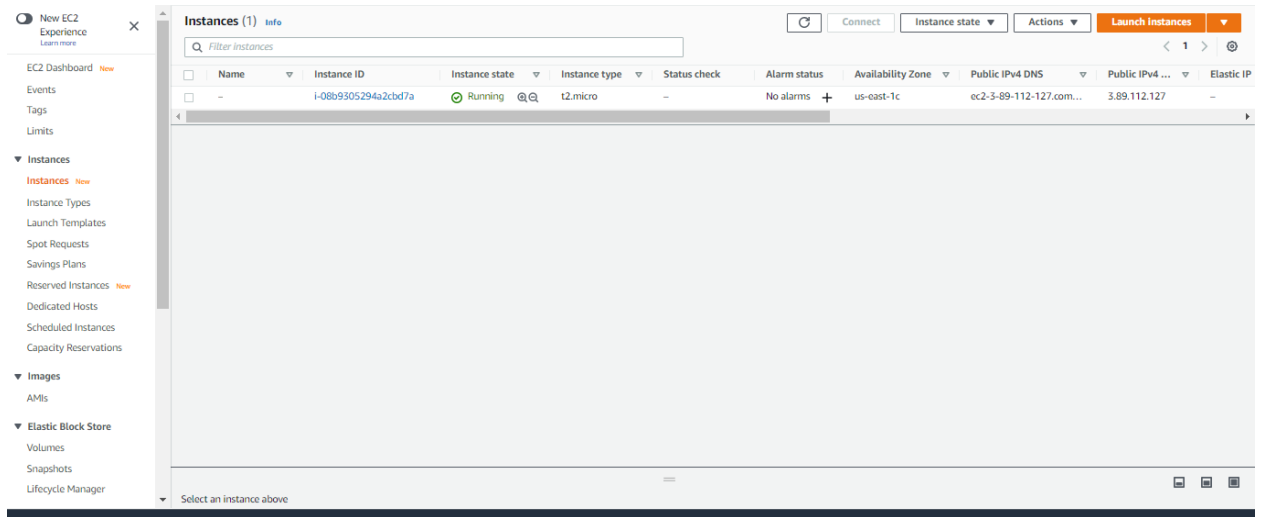
Dr. Mostafa Amar



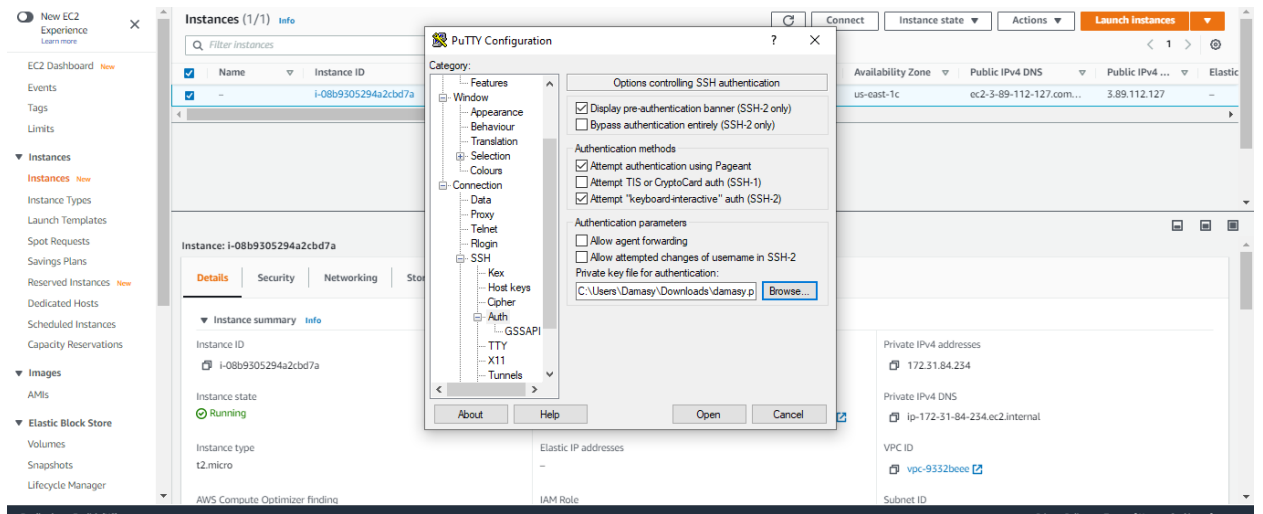
JUNE 6, 2021

BOULA NESSIM SOLIMAN
17100677

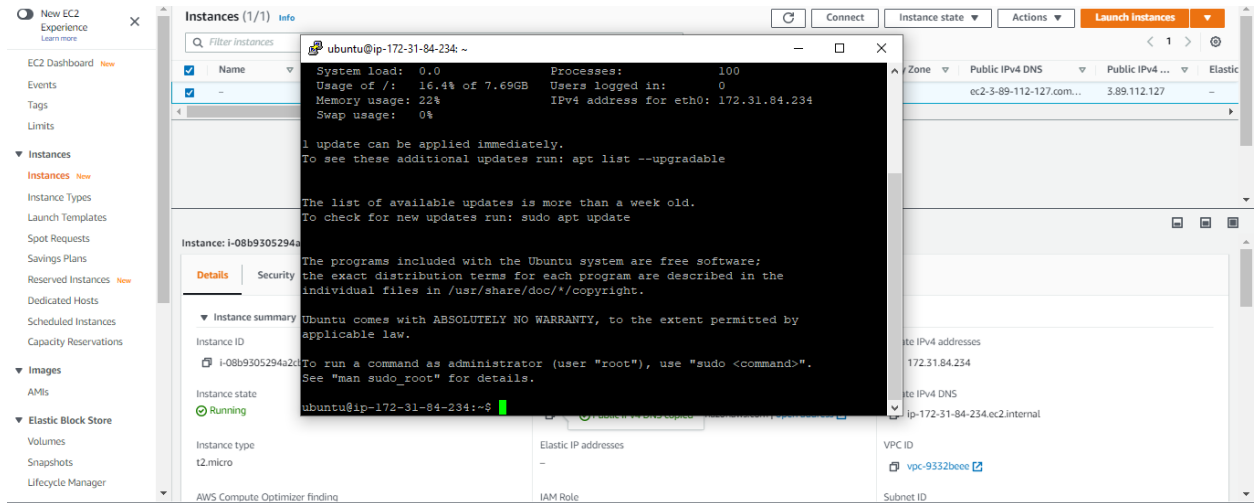
1- Creating instanc



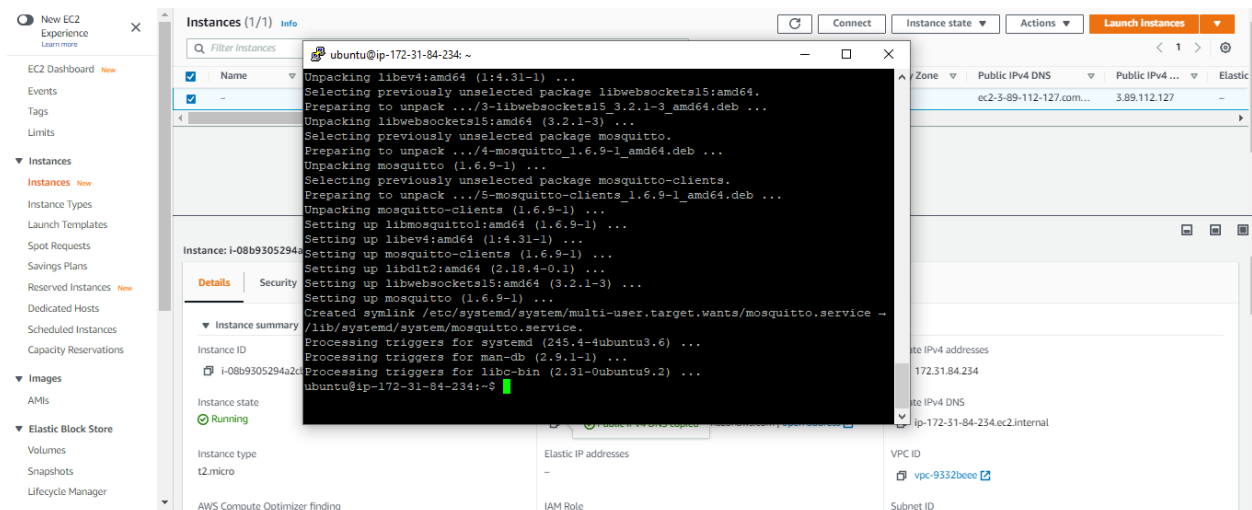
2- Connect to PUTTY



3- Using the instance



4- sudo apt update -y && sudo apt install mosquitto mosquitto-clients -y



5- Inbound Rules editing

EC2 > Security Groups > sg-0bbf0573946e411ba - launch-wizard-2 > Edit inbound rules

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules [Info](#)

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	Custom	
Custom TCP	TCP	1883	Custom	

[Add rule](#)

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. That rule will be dropped for a very brief period of time until the new rule can be created.

[Cancel](#) [Preview changes](#) [Save rules](#)

EC2 > Instances > i-08b9305294a2cbd7a

Instance summary for i-08b9305294a2cbd7a [Info](#)

Updated less than a minute ago

Instance ID
i-08b9305294a2cbd7a

Instance state
Running

Instance type
t2.micro

AWS Compute Optimizer finding
User: arnawssts:848749125770:assumed-role/vocartsoft/user:1337054-moodamazy@gmail.com is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * with an explicit deny
[Retry](#)

Public IPv4 address
3.89.112.127 | [open address](#)

Public IPv4 DNS copied

EC2-3-89-112-127.compute-1.amazonaws.com | [open address](#)

Elastic IP addresses
-

IAM Role
-

Private IPv4 addresses
172.31.84.234

Private IPv4 DNS
ip-172-31-84-234.ec2.internal

VPC ID
vpc-9332beee

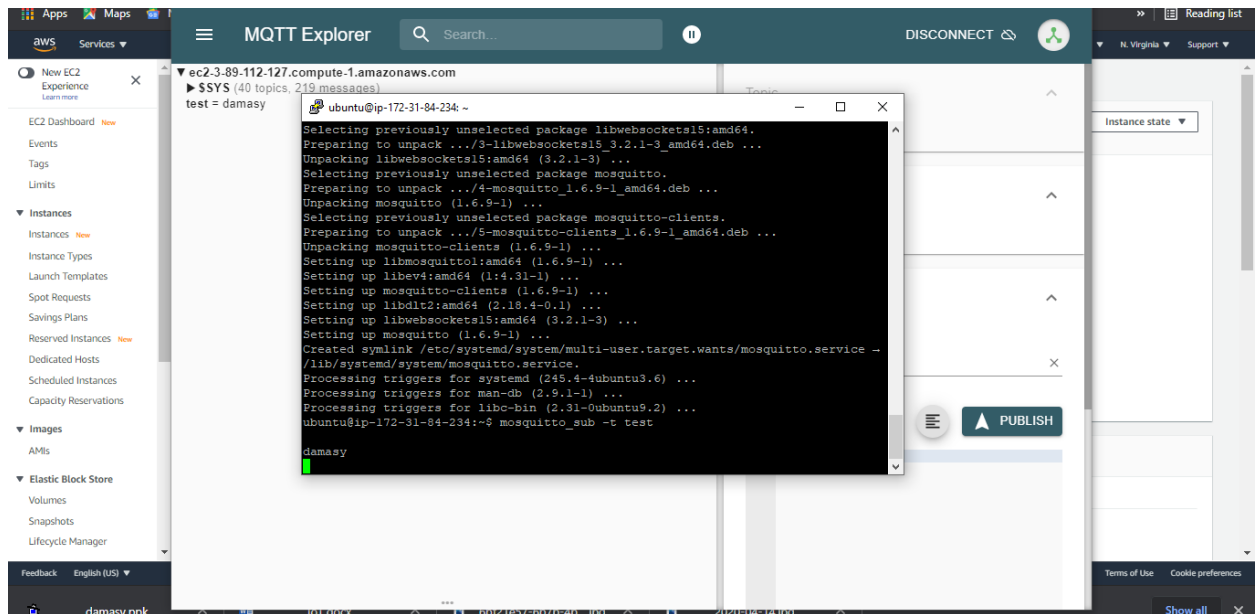
Subnet ID
subnet-58e49a79

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)

Instance details [Info](#)

Platform Ubuntu (Inferred)	AMI ID ami-09e67e426f25ce0d7	Monitoring disabled
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7- Connecting to MQTT



8- MQTT code configuration





9- IFTTT account creation


Cancel


Welcome to IFTTT!


To help you get personalized recommendations, pick at least one of the following that you use regularly.



Amazon Alexa


Date & Time


Dropbox


Google Assistant


Calendar


hue

10 – selecting the trigger

What do you want to say?

Open the light

What's another way to say it? (optional)

turn on

And another way? (optional)

TURN on the light


What do you want the Assistant to say in response?

OK

Language

English

11- IO – Dashboard

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[moodamasy](#) > [Dashboards](#)

+ New Dashboard


Search

Dashboards

<input type="checkbox"/> Name	Key	Created At
<input type="checkbox"/> Welcome Dashboard	welcome-dashboard	June 6, 2021

Loaded in 0.21 seconds.

12- feeds IO – Dashboard

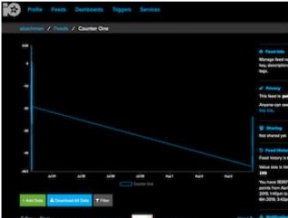

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Welcome Feed

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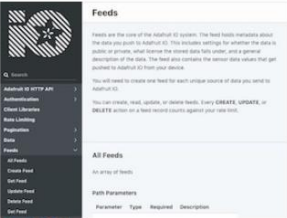
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Adafruit IO Basics: Feeds

API Documentation

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Feed API

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