

# Week 13 Graded Project

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## 1. Creation of EC2 instances:

The screenshot displays the AWS Management Console 'Instances' page for the 'ap-south-1' region. Three EC2 instances are listed, all in a 'Running' state with '2/2 checks passed'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
MySQL	i-0b1eec10bc0e107d8	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b
NAT	i-02d4e7f023f34ddf6	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a
Mattermost	i-05f09a5a244cf79cd	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a

The 'MySQL' instance details are expanded, showing the following information:

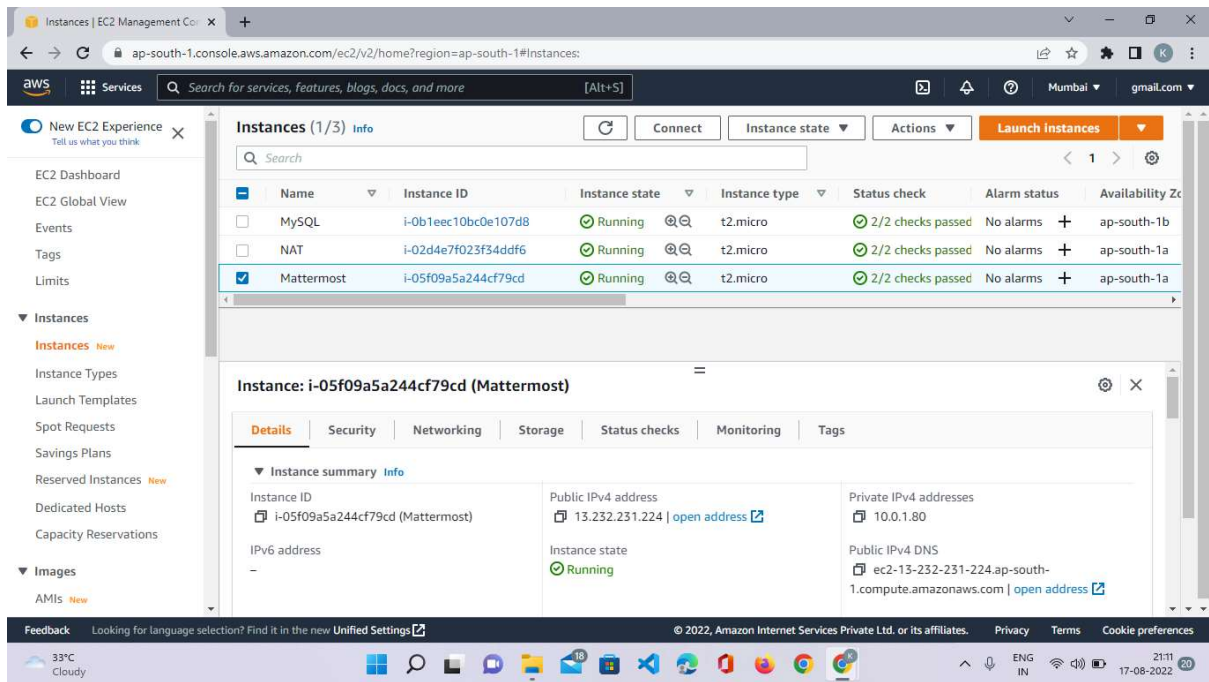
- Instance ID:** i-0b1eec10bc0e107d8 (MySQL)
- Public IPv4 address:** -
- Private IPv4 addresses:** 10.0.2.205
- IPv6 address:** -
- Instance state:** Running
- Public IPv4 DNS:** -
- Hostname type:** Private IP DNS name (IPv4 only)

This screenshot shows the details for the 'NAT' instance (i-02d4e7f023f34ddf6) in the AWS Management Console. The instance is in a 'Running' state with '2/2 checks passed'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
MySQL	i-0b1eec10bc0e107d8	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b
NAT	i-02d4e7f023f34ddf6	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a
Mattermost	i-05f09a5a244cf79cd	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a

The 'NAT' instance details are expanded, showing the following information:

- Instance ID:** i-02d4e7f023f34ddf6 (NAT)
- Public IPv4 address:** 43.205.130.255 | [open address](#)
- Private IPv4 addresses:** 10.0.1.137
- IPv6 address:** -
- Instance state:** Running
- Public IPv4 DNS:** ec2-43-205-130-255.ap-south-1.compute.amazonaws.com | [open address](#)



## 2. Installation of Database Server:

```

ubuntu@ip-10-0-1-205: /opt/mattermost
Microsoft Windows [Version 10.0.25179.1000]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sk meer kalesha>cd onedrive
C:\Users\sk meer kalesha\OneDrive>cd desktop
C:\Users\sk meer kalesha\OneDrive\Desktop>scp -i MySQL.pem MySQL.pem ubuntu@3.238.43.197:/home/ubuntu
The authenticity of host '3.238.43.197 (3.238.43.197)' can't be established.
ED25519 key fingerprint is SHA256:h6kqWlxokFRD4vNhfTlCei0hK10DDYJ1V/wuvJ9YSFM.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Warning: Permanently added '3.238.43.197' (ED25519) to the list of known hosts.
MySQL.pem 100% 1678 6.7KB/s 00:00

C:\Users\sk meer kalesha\OneDrive\Desktop>ssh -i "MySQL.pem" ubuntu@ec2-3-238-43-197.compute-1.amazonaws.com
The authenticity of host 'ec2-3-238-43-197.compute-1.amazonaws.com (3.238.43.197)' can't be established.
ED25519 key fingerprint is SHA256:h6kqWlxokFRD4vNhfTlCei0hK10DDYJ1V/wuvJ9YSFM.
This host key is known by the following other names/addresses:
  C:\Users\sk meer kalesha/.ssh/known_hosts:1: 3.238.43.197
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-238-43-197.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-1029-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue Aug 16 10:12:07 UTC 2022

System load:  0.08      Processes:    104
Usage of /:   19.5% of 7.58GB  Users logged in:  0
Memory usage: 20%        IPv4 address for eth0: 10.0.1.205
Swap usage:   0%

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable
  
```

```
ubuntu@ip-10-0-1-205: /opt/mattermost
ubuntu@ip-10-0-1-205:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:5 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2036 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [364 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [15.6 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1222 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [174 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [584 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [936 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [210 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [21.0 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [24.4 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7336 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [588 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.6 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.0 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [860 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1672 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [282 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.8 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1138 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [162 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [588 B]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [714 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [130 kB]
```

```
ubuntu@ip-10-0-1-205: /opt/mattermost
52 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-10-0-1-205:~$ sudo apt upgrade -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
  linux-aws-5.15-headers-5.15.0-1017 linux-headers-5.15.0-1017-aws linux-image-5.15.0-1017-aws
  linux-modules-5.15.0-1017-aws
The following packages will be upgraded:
  apt apt-utils cloud-init curl dirmngr git git-man gnupg gnupg-l10n gnupg-utils gpg gpg-agent gpg-wks-client
  gpg-wks-server gpgconf gpgsm gpgv intel-microcode isc-dhcp-client isc-dhcp-common libapt-pkg6.0 libcurl3-gnutls
  libcurl4 libfreetype6 libgnutls30 libgstreamer1.0-0 libmbim-glib4 libmbim-proxy libmm-glib0 libnetplan0 libnss3
  libpython3.8 libpython3.8-minimal libpython3.8-stdlib libqmi-glib5 libqmi-proxy libssl1.1 libxml2 linux-aws
  linux-headers-aws linux-image-aws modemmanager netplan.io open-vm-tools openssl python3-jwt python3.8
  python3.8-minimal snapd ubuntu-advantage-tools unattended-upgrades update-notifier-common
52 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
34 standard security updates
Need to get 113 MB of archives.
After this operation, 238 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libapt-pkg6.0 amd64 2.0.9 [839 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 apt amd64 2.0.9 [1294 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 apt-utils amd64 2.0.9 [213 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpg-wks-client amd64 2.2.19-3ubuntu2.2 [97.4 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 dirmngr amd64 2.2.19-3ubuntu2.2 [330 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpg-wks-server amd64 2.2.19-3ubuntu2.2 [90.2 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gnupg-utils amd64 2.2.19-3ubuntu2.2 [481 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpg-agent amd64 2.2.19-3ubuntu2.2 [232 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpg amd64 2.2.19-3ubuntu2.2 [482 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpgconf amd64 2.2.19-3ubuntu2.2 [124 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gnupg-l10n all 2.2.19-3ubuntu2.2 [51.7 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gnupg all 2.2.19-3ubuntu2.2 [259 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpgsm amd64 2.2.19-3ubuntu2.2 [217 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgnutls30 amd64 3.6.13-2ubuntu1.7 [828 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 gpgv amd64 2.2.19-3ubuntu2.2 [200 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8 amd64 3.8.10-0ubuntu1~20.04.5 [1625 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libssl1.1 amd64 1.1.1f-1ubuntu2.16 [1321 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8 amd64 3.8.10-0ubuntu1~20.04.5 [387 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8-stdlib amd64 3.8.10-0ubuntu1~20.04.5 [1675 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8-minimal amd64 3.8.10-0ubuntu1~20.04.5 [1905 kB]
```



```
ubuntu@ip-10-0-1-205: /opt/mattermost
Found Ubuntu 20.04.4 LTS (20.04) on /dev/xvda1
done
ubuntu@ip-10-0-1-205:~$ chmod 400 MYSQL.pem
ubuntu@ip-10-0-1-205:~$ ssh -i "MYSQL.pem" ubuntu@10.0.2.230
The authenticity of host '10.0.2.230 (10.0.2.230)' can't be established.
ECDSA key fingerprint is SHA256:X5wcGxmDP06R7zva0Y0itqNGmVekW1bJPS7k.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.2.230' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.4.0-1038-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue Aug 16 10:22:30 UTC 2022

System load:  0.0          Processes:      92
Usage of /:   14.5% of 7.69GB    Users logged in:  0
Memory usage: 19%          IP address for eth0: 10.0.2.230
Swap usage:   0%

0 packages can be updated.
0 of these updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-2-230:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
```

```
ubuntu@ip-10-0-1-205: /opt/mattermost
Processing triggers for initransf-tools (0.130ubuntu3.13) ...
update-initransf: Generating /boot/initrd.img-5.4.0-1083-aws
ubuntu@ip-10-0-2-230:~$ wget https://d6opu47qoi4ee.cloudfront.net/install_mysql.sh
install_mysql.sh
sudo ./install_mysql.sh--2022-08-16 10:29:54-- https://d6opu47qoi4ee.cloudfront.net/install_mysql.sh
Resolving d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)... 99.84.178.114, 99.84.178.161, 99.84.178.164, ...
Connecting to d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)|99.84.178.114|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 759 [text/x-sh]
Saving to: 'install_mysql.sh'

install_mysql.sh          100%[=====] 759 --.-KB/s  in 0s

2022-08-16 10:29:54 (59.6 MB/s) - 'install_mysql.sh' saved [759/759]

ubuntu@ip-10-0-2-230:~$ chmod 700 install_mysql.sh
ubuntu@ip-10-0-2-230:~$ sudo ./install_mysql.sh
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu bionic-security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7 mysql-client-core-5.7 mysql-common
  mysql-server-5.7 mysql-server-core-5.7
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinycd
The following NEW packages will be installed:
  libaio1 libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7 mysql-client-core-5.7 mysql-common
  mysql-server mysql-server-5.7 mysql-server-core-5.7
0 upgraded, 21 newly installed, 0 to remove and 0 not upgraded.
Need to get 20.0 MB of archives.
```

### 3. Installation of Application Server:

```
ubuntu@ip-10-0-1-205: /opt/mattermost
ubuntu@ip-10-0-2-230:~$ exit
logout
Connection to 10.0.2.230 closed.
ubuntu@ip-10-0-1-205:~$ wget https://d6opu47qoi4ee.cloudfront.net/mattermost_install.sh
700 mattermost_install.sh
sudo ./mattermost_install.sh <private IP of MySQL server>
E--2022-08-16 10:33:19-- https://d6opu47qoi4ee.cloudfront.net/mattermost_install.sh
xample :Resolving d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)... sudo ./mattermost_install.sh 173.65.34.7
sudo chown -R 99.84.216.8, 99.84.216.50, 99.84.216.90, ...
Connecting to d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)|99.84.216.8|:443... connected.
R mattermost:mattermost /opt/mattermost
sudo chmod -R g+wx /opt/mattermost
cd /opt/mattermost HTTP request sent, awaiting response...
sudo -u mattermost ./bin/mattermost200 OK
Length: 413 [text/x-sh]
Saving to: 'mattermost_install.sh'

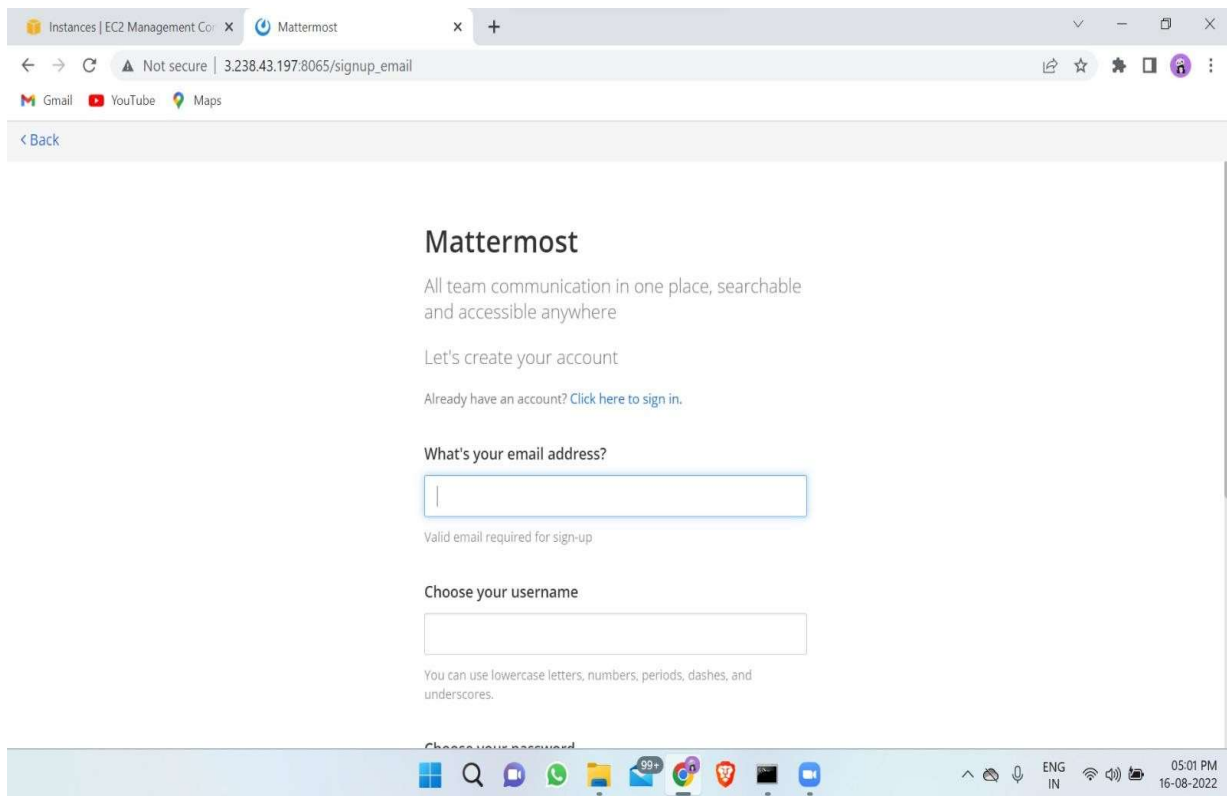
mattermost_install.sh                               100%[=====]           413  --.-KB/s   in 0s

2022-08-16 10:33:19 (64.0 MB/s) - 'mattermost_install.sh' saved [413/413]

ubuntu@ip-10-0-1-205:~$ chmod 700 mattermost_install.sh
ubuntu@ip-10-0-1-205:~$ sudo ./mattermost_install.sh <private IP of MySQL server>
-bash: syntax error near unexpected token `newline'
ubuntu@ip-10-0-1-205:~$ Example : sudo ./mattermost_install.sh 173.65.34.7
Example: command not found
ubuntu@ip-10-0-1-205:~$ sudo chown -R mattermost:mattermost /opt/mattermost
chown: invalid user: 'mattermost:mattermost'
ubuntu@ip-10-0-1-205:~$ sudo chmod -R g+wx /opt/mattermost
chmod: cannot access '/opt/mattermost': No such file or directory
ubuntu@ip-10-0-1-205:~$ cd /opt/mattermost
-bash: cd: /opt/mattermost: No such file or directory
ubuntu@ip-10-0-1-205:~$ sudo -u mattermost ./bin/mattermost
sudo: unknown user: mattermost
sudo: unable to initialize policy plugin
ubuntu@ip-10-0-1-205:~$ chmod 700 mattermost_install.sh
ubuntu@ip-10-0-1-205:~$ sudo ./mattermost_install.sh 10.0.2.230
--2022-08-16 10:37:10-- https://releases.mattermost.com/5.19.0/mattermost-5.19.0-linux-amd64.tar.gz
Resolving releases.mattermost.com (releases.mattermost.com)... 99.84.208.93, 99.84.208.119, 99.84.208.42, ...
Connecting to releases.mattermost.com (releases.mattermost.com)|99.84.208.93|:443... connected.
```

```
ubuntu@ip-10-0-1-205: /opt/mattermost
mattermost/prepackaged_plugins/mattermost-plugin-gitlab-v1.0.1.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-custom-attributes-v1.0.2.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-zoom-v1.1.2.tar.gz
Extracted Mattermost
Created user
ubuntu@ip-10-0-1-205:~$ sudo chown -R mattermost:mattermost /opt/mattermost
ubuntu@ip-10-0-1-205:~$ sudo chown -R g+wx /opt/mattermost
chown: invalid user: 'g+wx'
ubuntu@ip-10-0-1-205:~$ sudo chown -R g+wx /opt/mattermost
sudo: chown: command not found
ubuntu@ip-10-0-1-205:~$ sudo chmod -R g+wx /opt/mattermost
ubuntu@ip-10-0-1-205:~$ cd /opt/mattermost
ubuntu@ip-10-0-1-205:~$ sudo -u mattermost ./bin/mattermost
{"level":"info","ts":1660646597.3357646,"caller":"utils/i18n.go:83","msg":"Loaded system translations","for locale":"en","from locale":"/opt/mattermost/i18n/en.json"}
{"level":"info","ts":1660646597.3361003,"caller":"app/server_app_adapters.go:58","msg":"Server is initializing..."}
{"level":"info","ts":1660646597.3454342,"caller":"sqlstore/supplier.go:212","msg":"Pinging SQL","database":"master"}
{"level":"info","ts":1660646598.158193,"caller":"sqlstore/upgrade.go:110","msg":"The database schema version has been set","version":"5.19.0"}
{"level":"error","ts":1660646601.794508,"caller":"app/server_app_adapters.go:125","msg":"SiteURL must be set. Some features will operate incorrectly if the SiteURL is not set. See documentation for details: http://about.mattermost.com/default-site-url"}
{"level":"info","ts":1660646601.798087,"caller":"app/license.go:39","msg":"License key from https://mattermost.com required to unlock enterprise features."}
{"level":"info","ts":1660646601.799713,"caller":"app/migrations.go:26","msg":"Migrating roles to database."}
{"level":"info","ts":1660646601.905587,"caller":"sqlstore/post_store.go:1351","msg":"Post.Message has size restrictions","max_characters":16383,"max_bytes":65535}
{"level":"info","ts":1660646601.913105,"caller":"app/migrations.go:102","msg":"Migrating emojis config to database."}
{"level":"info","ts":1660646602.4719296,"caller":"mlog/log.go:166","msg":"Starting up plugins"}
{"level":"info","ts":1660646602.4722807,"caller":"app/plugin.go:213","msg":"Syncing plugins from the file store"}
{"level":"info","ts":1660646606.5383844,"caller":"mlog/sugar.go:19","msg":"Ensuring Surveybot exists","plugin_id":"com.mattermost.nps"}
{"level":"info","ts":1660646606.576332,"caller":"mlog/sugar.go:19","msg":"Surveybot created","plugin_id":"com.mattermost.nps"}
{"level":"info","ts":1660646606.5949419,"caller":"mlog/sugar.go:19","msg":"Upgrade detected. Checking if a survey should be scheduled.","plugin_id":"com.mattermost.nps"}
{"level":"info","ts":1660646606.7928405,"caller":"mlog/sugar.go:19","msg":"Scheduling next survey for Sep 6, 2022","plugin_id":"com.mattermost.nps"}
{"level":"info","ts":1660646607.3954368,"caller":"app/server.go:217","msg":"Current version is 5.19.0 (5.19.0/Thu Jan 16 18:30:33 UTC 2020/90cf883f8400d6fdb025308ad14d56a6ed53f05/1268390c0cd16f757b0b6f6e2534b82586d95f)"}
{"level":"info","ts":1660646607.3956275,"caller":"app/server.go:218","msg":"Enterprise Enabled: true"}
{"level":"info","ts":1660646607.3957806,"caller":"app/server.go:221","msg":"Printing current working","directory":"/opt/mattermost"}
{"level":"info","ts":1660646607.3958988,"caller":"app/server.go:222","msg":"Loaded config","source":"file:///opt/mattermost/config/config.json"}
{"level":"error","ts":1660646607.4247948,"caller":"mlog/log.go:174","msg":"RPC call OnConfigurationChange to plugin failed.","plugin_id":"com.mattermost.nps","error":"connection is shut down"}
{"level":"error","ts":1660646607.482459,"caller":"mlog/log.go:174","msg":"RPC call OnConfigurationChange to plugin failed.","plugin_id":"com.mattermost.nps","error":"connection is shut down"}
{"level":"info","ts":1660646607.4939415,"caller":"jobs/workers.go:68","msg":"Starting workers"}
{"level":"info","ts":1660646607.502019,"caller":"jobs/schedulers.go:74","msg":"Starting schedulers."}
```

## 4. Front Page of Application:



The screenshot shows a web browser window with two tabs: 'Instances | EC2 Management Console' and 'Mattermost'. The address bar shows 'Not secure | 3.238.43.197:8065/signup\_email'. The page has a 'Back' button in the top left. The main content area is titled 'Mattermost' with the tagline 'All team communication in one place, searchable and accessible anywhere'. Below this, it says 'Let's create your account' and 'Already have an account? [Click here to sign in.](#)'. The first form field is 'What's your email address?' with a text input box and a note 'Valid email required for sign-up'. The second form field is 'Choose your username' with a text input box and a note 'You can use lowercase letters, numbers, periods, dashes, and underscores.'.

Instances | EC2 Management Console x Mattermost x +

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Gmail YouTube Maps

< Back

### Mattermost

All team communication in one place, searchable and accessible anywhere

Let's create your account

Already have an account? [Click here to sign in.](#)

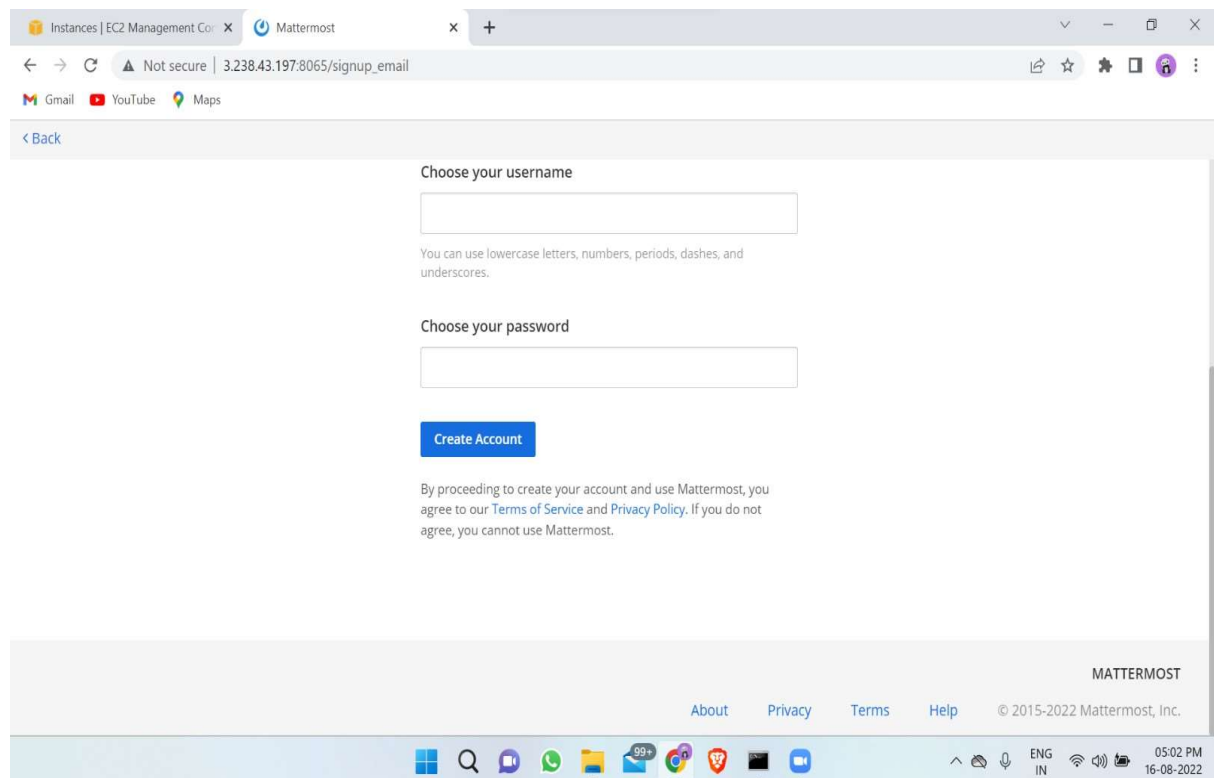
What's your email address?

Valid email required for sign-up

Choose your username

You can use lowercase letters, numbers, periods, dashes, and underscores.

Choose your password



The screenshot shows the same web browser window as the previous one, but the 'Choose your password' field is now visible. It has a text input box. Below the input fields is a blue 'Create Account' button. At the bottom of the page, there is a footer with links for 'About', 'Privacy', 'Terms', and 'Help', followed by the copyright notice '© 2015-2022 Mattermost, Inc.'.

Instances | EC2 Management Console x Mattermost x +

← → ↻ ⚠ Not secure | 3.238.43.197:8065/signup\_email ⌵ ☆ ⚙ □ ⓘ ⋮

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< Back

Choose your username

You can use lowercase letters, numbers, periods, dashes, and underscores.

Choose your password

Create Account

By proceeding to create your account and use Mattermost, you agree to our [Terms of Service](#) and [Privacy Policy](#). If you do not agree, you cannot use Mattermost.

MATTERMOST

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