Install MySQL database server

1. Create a directory "software" in your home directory and download the MySQL Yum repository from dev.mysql.com.
wget http://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
A:

```
[pranay@localhost software]$ sudo wget http://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
--2023-05-27 12:56:29--  http://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
Resolving dev.mysql.com (dev.mysql.com)... 104.122.98.3, 2600:140f:6:39c::2e31, 2600:140f:6:39b::2e31
Connecting to dev.mysql.com (dev.mysql.com)|104.122.98.3|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm [following]
--2023-05-27 12:56:30--  https://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
Connecting to dev.mysql.com (dev.mysql.com)|104.122.98.3|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql57-community-release-el7-9.noarch.rpm [following]
--2023-05-27 12:56:30--  https://repo.mysql.com//mysql57-community-release-el7-9.noarch.rpm
Resolving repo.mysql.com (repo.mysql.com)... 23.201.200.232
Connecting to repo.mysql.com (repo.mysql.com)|23.201.200.232|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9224 (9.0K) [application/x-redhat-package-manager]
Saving to: ‘mysql57-community-release-el7-9.noarch.rpm’

100%[======================================================================>] 9,224       --.-K/s   in 0s

2023-05-27 12:56:30 (350 MB/s) - ‘mysql57-community-release-el7-9.noarch.rpm’ saved [9224/9224]

[pranay@localhost software]$
```

2. Install the Yum repository from the file that you downloaded. sudo yum localinstall mysql57-community-release-el7-9.noarch.rpm
A:

```
[pranay@localhost software]$ sudo yum localinstall mysql57-community-release-el7-9.noarch.rpm
Loaded plugins: fastestmirror
Examining mysql57-community-release-el7-9.noarch.rpm: mysql57-community-release-el7-9.noarch
Marking mysql57-community-release-el7-9.noarch.rpm to be installed
Resolving Dependencies
--> Running transaction check
---> Package mysql57-community-release.noarch 0:el7-9 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                    Arch          Version         Repository          Size
================================================================================
Installing:
 mysql57-community-release  noarch        el7-9           /mysql57-community-release-el7-9.noarch  8.6 k

Transaction Summary
================================================================================
Install  1 Package

Total size: 8.6 k
```

```
Installed:
  mysql57-community-release.noarch 0:el7-9

Complete!
[pranay@localhost software]$
```

3. Install MySQL.
sudo yum install mysql-community-server
A:

```
[pranay@localhost software]$ sudo yum install mysql-community-server
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * extras: centos.excellmedia.net
 * updates: centos.excellmedia.net
base                                                                    | 3.6 kB  00:00:00
extras                                                                  | 2.9 kB  00:00:00
mysql-connectors-community                                              | 2.6 kB  00:00:00
mysql-tools-community                                                   | 2.6 kB  00:00:00
mysql57-community                                                       | 2.6 kB  00:00:00
updates                                                                 | 2.9 kB  00:00:00
(1/3): mysql-tools-community/x86_64/primary_db                          |  92 kB  00:00:00
(2/3): mysql-connectors-community/x86_64/primary_db                     |  99 kB  00:00:00
(3/3): mysql57-community/x86_64/primary_db                              | 340 kB  00:00:00
Resolving Dependencies
```

4. Start the MySQL server. sudo systemctl start mysqld.service
A:

```
[pranay@localhost software]$ systemctl start mysqld.service
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to manage system services or units.
Multiple identities can be used for authentication:
 1.  App Developer1 (app1)
 2.  my main area (pranay)
Choose identity to authenticate as (1-2): 2
Password:
==== AUTHENTICATION COMPLETE ===
```

5. The first time you start MySQL, the superuser account 'root'@'localhost' is created and a temporary password is generated for it. This password need to be changed now.
6. Obtain the root password that was generated when you started MySQL for the first time.
sudo grep 'temporary password' /var/log/mysqld.log
5 and 6 a:

```
[pranay@localhost software]$ sudo grep 'temporary password' /var/log/mysqld.log
[sudo] password for pranay:
2023-05-27T14:03:58.751965Z 1 [Note] A temporary password is generated for root@localhost: =Q(BF=Zaf8pQ
[pranay@localhost software]$
```

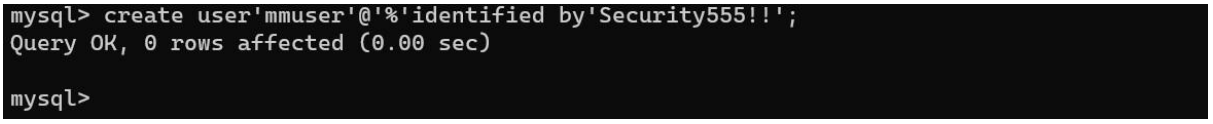
7. Login with the password that you obtained from the previous step. mysql -u root -p
A:

```
[pranay@localhost software]$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.42

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

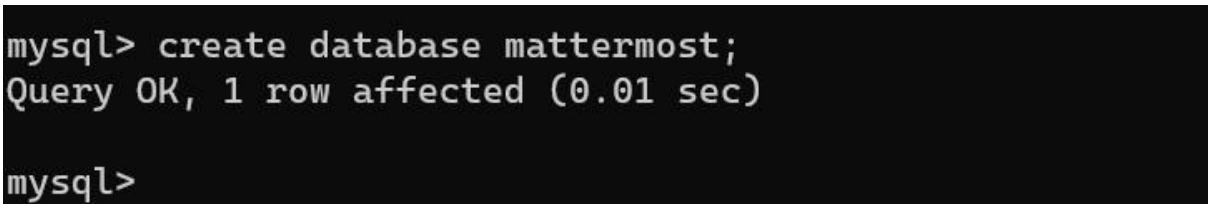
8. Change the root password. At the mysql prompt, type the following command. Be sure to replace <<Password>>with the password that you want to use. New Password should to contain at least one upper case letter, one lower case letter, one digit, and one special

character, and that the total password length is at least 8 characters. mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '<<Password>>';
A:

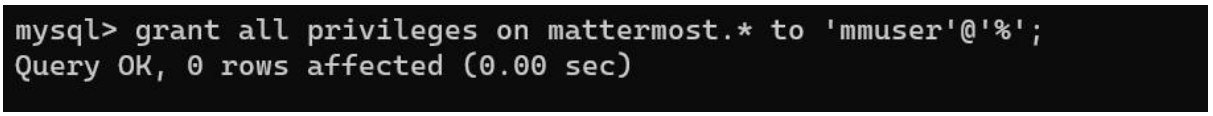
9. Create the Mattermost user 'mmuser'. Replace <<mmuser-password>> with the password that you want to set mysql> create user 'mmuser'@'%' identified by '<<mmuser-password>>';
A:



10. Create the Mattermost database.
mysql> create database mattermost;
A:

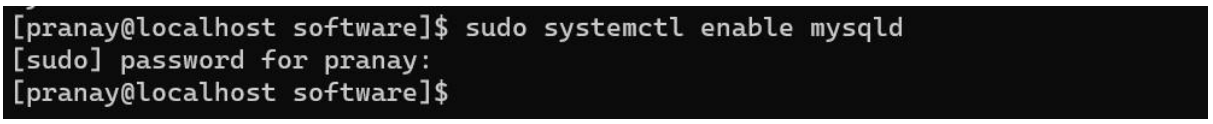


11. Grant access privileges to the user 'mmuser'.
mysql> grant all privileges on mattermost.* to 'mmuser'@'%';
A:



12. Log out of MySQL(use exit)
A:

13. Set MySQL to start automatically when the machine starts.
sudo systemctl enable mysqld
A:



Install Mattermost server

1. Go to the directory "software" in your home directory and download the latest version of the Mattermost Server wget
https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd64.tar.gz
A:

```
[pranay@localhost software]$ wget https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd64.tar.gz
--2023-05-27 15:44:27--  https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd64.tar.gz
Resolving releases.mattermost.com (releases.mattermost.com)... 13.249.235.112, 13.249.235.37, 13.249.235.93, ...
Connecting to releases.mattermost.com (releases.mattermost.com)|13.249.235.112|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 329062904 (314M) [application/x-tar]
mattermost-6.6.1-linux-amd64.tar.gz: Permission denied

Cannot write to ‘mattermost-6.6.1-linux-amd64.tar.gz’ (Success).
[pranay@localhost software]$ sudo wget https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd64.tar.gz
[sudo] password for pranay:
--2023-05-27 15:44:49--  https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd64.tar.gz
Resolving releases.mattermost.com (releases.mattermost.com)... 13.249.235.37, 13.249.235.93, 13.249.235.112, ...
Connecting to releases.mattermost.com (releases.mattermost.com)|13.249.235.37|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 329062904 (314M) [application/x-tar]
Saving to: ‘mattermost-6.6.1-linux-amd64.tar.gz’

100%[=======================================================================================>] 329,062,904 6.25MB/s   in 51s

2023-05-27 15:45:40 (6.11 MB/s) - ‘mattermost-6.6.1-linux-amd64.tar.gz’ saved [329062904/329062904]
```

2. Extract the Mattermost Server files. tar -xvzf *.gz
A:

```
[pranay@localhost software]$ sudo tar -xvzf *.gz
[sudo] password for pranay:
mattermost/
mattermost/bin/
mattermost/bin/mattermost
mattermost/bin/mmctl
mattermost/logs/
mattermost/prepackaged_plugins/
mattermost/prepackaged_plugins/mattermost-plugin-antivirus-v0.1.2-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-antivirus-v0.1.2-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-autolink-v1.2.2-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-autolink-v1.2.2-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-aws-SNS-v1.2.0-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-aws-SNS-v1.2.0-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-calls-v0.4.8-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-calls-v0.4.8-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-channel-export-v1.0.0-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-channel-export-v1.0.0-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-custom-attributes-v1.3.0-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-custom-attributes-v1.3.0-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-github-v2.0.1-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-github-v2.0.1-linux-amd64.tar.gz.sig
mattermost/prepackaged_plugins/mattermost-plugin-gitlab-v1.3.0-linux-amd64.tar.gz
mattermost/prepackaged_plugins/mattermost-plugin-gitlab-v1.3.0-linux-amd64.tar.gz.sig
```

3. Move the extracted file to the /opt directory. sudo mv mattermost /opt
A:

```
[pranay@localhost software]$ sudo mv mattermost /opt
[pranay@localhost software]$ cd /opt
[pranay@localhost opt]$ ls
mattermost
```

4. /opt/mattermost is referred as the Mattermost directory. Create the storage directory for files(/opt/mattermost/data)
A:

```
[pranay@localhost mattermost]$ sudo mkdir data
[sudo] password for pranay:
[pranay@localhost mattermost]$ ls
bin     config  ENTERPRISE-EDITION-LICENSE.txt  i18n  manifest.txt  prepackaged_plugins  templates
client  data    fonts                           logs  NOTICE.txt    README.md
```

5. Create a system user and group called mattermost that will run this service, and set the ownership and permissions to the mattermost directory including child directories and files (TODO: Identify the commands you need to use for this) (Note: Make sure you Provide the executable permission for the whole Mattermost directory)
A:

```
[pranay@localhost ~]$ sudo useradd --system --user-group mattermost
[pranay@localhost ~]$ id mattermost
uid=997(mattermost) gid=994(mattermost) groups=994(mattermost)
[pranay@localhost ~]$ sudo chown -R mattermost:mattermost /opt/mattermost
[sudo] password for pranay:
[pranay@localhost ~]$ sudo chmod -R g+w /opt/mattermost
[pranay@localhost ~]$
```

6. Set up the database driver in the file /opt/mattermost/config/config.json. Open the file as root in a text editor and make the following changes:
6.1 Set "DriverName" to "mysql"
6.2 Set "DataSource" to the following value, replacing <mmuser-password> and <host-name-or-IP> with the appropriate values.
"<mmuser>:<mmuser-password>@tcp(<host-name-or-IP>:3306)/mattermost?charset=utf8mb 4,utf8&writeTimeout=30s"
6.3 Also set "SiteURL" to the full base URL of the site (e.g. "http://localhost").
A:


```
"SqlSettings": {
  "DriverName": "msql",
  "DataSource": "mmuser:Security555!!@tcp(192.168.56.101:3306)/mattermost?charset=utf8mb4,utf8&writeTimeout=30s",
  "DataSourceReplicas": [],
  "DataSourceSearchReplicas": [],
  "MaxIdleConns": 20,
  "ConnMaxLifetimeMilliseconds": 3600000,
  "ConnMaxIdleTimeMilliseconds": 300000,
```

7. Test the Mattermost server to make sure everything works.
7.1 Change to the mattermost directory:
7.2 Start the Mattermost server(bin/mattermost) as the user mattermost(TODO: Identify the commands you need to use for this)
When the server starts, it shows some log information and the text Server is listening on :8065. You can stop the server by pressing CTRL+C in the terminal window.
A:

```
[pranay@localhost config]$ sudo vi config.json
[pranay@localhost config]$ cd ../
[pranay@localhost mattermost]$ sudo -u mattermost ./bin/mattermost
{"timestamp":"2023-05-29 17:46:24.178 Z","level":"info","msg":"Server is initializing...","caller":"app/server.go:259","go_version":"
go1.16.7"}
{"timestamp":"2023-05-29 17:46:24.179 Z","level":"info","msg":"Pinging SQL","caller":"sqlstore/store.go:218","database":"master"}
{"timestamp":"2023-05-29 17:46:24.341 Z","level":"info","msg":"Pinging SQL","caller":"sqlstore/store.go:218","database":"master"}
{"timestamp":"2023-05-29 17:46:30.650 Z","level":"warn","msg":"could not receive the schema version from systems table","caller":"sql
store/upgrade.go:119","error":"sql: no rows in result set"}
{"timestamp":"2023-05-29 17:46:30.674 Z","level":"info","msg":"The database schema version has been set","caller":"sqlstore/upgrade.g
o:137","version":"6.6.1"}
{"timestamp":"2023-05-29 17:46:31.001 Z","level":"error","msg":"License key from https://mattermost.com required to unlock enterprise
 features.","caller":"app/license.go:147","error":"resource: License id: "}
{"timestamp":"2023-05-29 17:46:31.025 Z","level":"info","msg":"Starting websocket hubs","caller":"app/web_hub.go:93","number_of_hubs"
:2}
{"timestamp":"2023-05-29 17:46:31.041 Z","level":"info","msg":"Loaded system translations","caller":"i18n/i18n.go:93","for locale":"e
n","from locale":"/opt/mattermost/i18n/en.json"}
{"timestamp":"2023-05-29 17:46:31.086 Z","level":"info","msg":"Current version is 6.6.1 (6.6.1/Wed Apr 27 17:29:30 UTC 2022/3161c1a18
6595cc371830c4e651002377d4e77cc/6185d9ea2cb7954b153c280f91cedb11ae92930f)","caller":"app/server.go:561","current_version":"6.6.1","bu
ild_number":"6.6.1","build_date":"Wed Apr 27 17:29:30 UTC 2022","build_hash":"3161c1a186595cc371830c4e651002377d4e77cc","build_hash_e
nterprise":"6185d9ea2cb7954b153c280f91cedb11ae92930f"}
```

{"timestamp":"2023-05-29 17:47:11.579 Z","level":"info","msg":"Server is listening on [::]:8065","caller":"app/server.go:1282","address":"[::]:8065"}

8. Set up Mattermost to use the systemd init daemon which handles supervision of the Mattermost process.

8.1 Create the Mattermost configuration file: /etc/systemd/system/mattermost.service

8.2 Open the configuration file, and copy the following lines into the file:

A:

```
[pranay@localhost ~]$ cd /etc/systemd/system
[pranay@localhost system]$ ls
basic.target.wants                                getty.target.wants          remote-fs.target.wants
dbus-org.freedesktop.nm-dispatcher.service        local-fs.target.wants       sockets.target.wants
default.target                                    multi-user.target.wants     sysinit.target.wants
default.target.wants                              mytimelog.service           system-update.target.wants
dev-virtio\x2dports-org.qemu.guest_agent.0.device.wants  network-online.target.wants  vmtoolsd.service.requires
[pranay@localhost system]$ sudo touch mattermost.service
[pranay@localhost system]$ ls
basic.target.wants                                local-fs.target.wants       sockets.target.wants
dbus-org.freedesktop.nm-dispatcher.service        mattermost.service          sysinit.target.wants
default.target                                    multi-user.target.wants     system-update.target.wants
default.target.wants                              mytimelog.service           vmtoolsd.service.requires
dev-virtio\x2dports-org.qemu.guest_agent.0.device.wants  network-online.target.wants
getty.target.wants                                remote-fs.target.wants
[pranay@localhost system]$ sudo vi mattermost.service
[pranay@localhost system]$
```

9. Set the configuration file permissions such that the owner of the file has read and write access, while the group members and other users on the system only have read access (TODO: Identify the permission value you need to use for this)

(TODO: Identify the command you need to use for 10,11,12) mattermost is the service name

A:

```
[pranay@localhost system]$ sudo chmod 644 mattermost.service
[pranay@localhost system]$ ls -ltr
total 12
drwxr-xr-x. 2 root root   44 Apr 30  2020 system-update.target.wants
drwxr-xr-x. 2 root root   32 Apr 30  2020 getty.target.wants
drwxr-xr-x. 2 root root   87 Apr 30  2020 default.target.wants
drwxr-xr-x. 2 root root   28 Apr 30  2020 sockets.target.wants
drwxr-xr-x. 2 root root  171 Apr 30  2020 sysinit.target.wants
drwxr-xr-x. 2 root root   35 Apr 30  2020 local-fs.target.wants
drwxr-xr-x. 2 root root   32 Apr 30  2020 basic.target.wants
drwxr-xr-x. 2 root root   48 Apr 30  2020 network-online.target.wants
lrwxrwxrwx. 1 root root   57 Apr 30  2020 dbus-org.freedesktop.nm-dispatcher.service -> /usr/lib/systemd/system/NetworkManager-dispat
cher.service
drwxr-xr-x. 2 root root   31 Apr 30  2020 remote-fs.target.wants
drwxr-xr-x. 2 root root   58 Apr 30  2020 vmtoolsd.service.requires
drwxr-xr-x. 2 root root   38 Apr 30  2020 dev-virtio\x2dports-org.qemu.guest_agent.0.device.wants
lrwxrwxrwx. 1 root root   37 Apr 30  2020 default.target -> /lib/systemd/system/multi-user.target
-rw-r-----. 1  640 root  299 May 26 18:38 mytimelog.service
drwxr-xr-x. 2 root root 4096 May 27 14:03 multi-user.target.wants
-rw-r--r--. 1 root root  249 May 29 17:59 mattermost.service
```

10. Reload the systemd services.

11. Set Mattermost service to start on boot.

12. Start the Mattermost server.

13. Verify that Mattermost is running curl http://localhost:8065

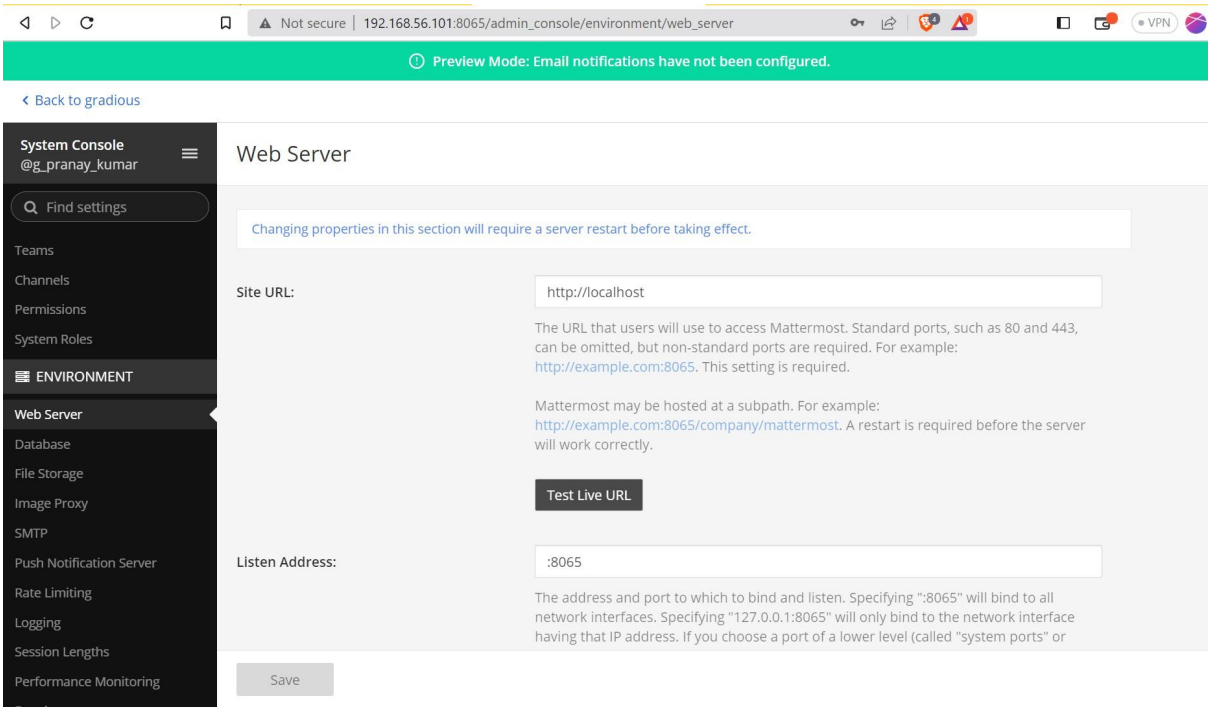
You should see the HTML that's returned by the Mattermost server.

Answer for 10 -13 a :

```
[pranay@localhost system]$ systemctl daemon-reload
==== AUTHENTICATING FOR org.freedesktop.systemd1.reload-daemon ===
Authentication is required to reload the systemd state.
Multiple identities can be used for authentication:
 1.  App Developer1 (app1)
 2.  my main area (pranay)
Choose identity to authenticate as (1-2): 2
Password:
==== AUTHENTICATION COMPLETE ===
[pranay@localhost system]$ sudo systemctl enable mattermost.service
Created symlink from /etc/systemd/system/multi-user.target.wants/mattermost.service to /etc/systemd/system/mattermost.service.
[pranay@localhost system]$ sudo systemctl start mattermost.service
[pranay@localhost system]$ curl http://localhost:8065
<!doctype html><html lang="en"><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1,maximum-
scale=1,user-scalable=0"><meta name="robots" content="noindex, nofollow"><meta name="referrer" content="no-referrer"><title>Mattermos
t</title><meta name="mobile-web-app-capable" content="yes"><meta name="application-name" content="Mattermost"><meta name="format-dete
ction" content="telephone=no"><link rel="icon" type="image/png" href="/static/images/favicon/favicon-default-16x16.png" sizes="16x16"
><link rel="icon" type="image/png" href="/static/images/favicon/favicon-default-24x24.png" sizes="24x24"><link rel="icon" type="image
/png" href="/static/images/favicon/favicon-default-32x32.png" sizes="32x32"><link rel="icon" type="image/png" href="/static/images/fa
vicon/favicon-default-64x64.png" sizes="64x64"><link rel="icon" type="image/png" href="/static/images/favicon/favicon-default-96x96.p
ng" sizes="96x96"><link rel="stylesheet" class="code_theme"><style>.error-screen{font-family:'Helvetica Neue',Helvetica,Arial,sans-se
```

Configure Mattermost server

Create the System Admin user and set up Mattermost for general use. This can be done from host windows machine
1. Open a browser and navigate to your Mattermost instance. For example http://192.168.56.101:8065.
2. Create the first team and user. The first user in the system has the system_admin role, which gives you access to the System Console.
3. To open the System Console, select the Product menu in the top-left corner of the navigation panel, then select System Console.
4. Set the site URL:
4.1 Open System Console > Environment > Web Server.
4.2 In the Site URL field, set the URL that users point their browsers at. For example, http://localhost
A: answer for all above questions



Installing NGINX server
We use NGINX as proxy server for greater security and performance of Mattermost.

1. Create the file /etc/yum.repos.d/nginx.repo.
2. Open the file as root in a text editor and add the following contents
3. Install NGINX.

sudo yum install nginx.x86_64

A: answer for above 3 questions

```
[pranay@localhost ~]$ sudo touch /etc/yum.repos.d/nginx.repo
[sudo] password for pranay:
[pranay@localhost ~]$ sudo vi /etc/yum.repos.d/nginx.repo
[pranay@localhost ~]$ sudo yum install nginx.x86_64
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * extras: centos.excellmedia.net
 * updates: centos.excellmedia.net
base                                                                    | 3.6 kB  00:00:00
extras                                                                  | 2.9 kB  00:00:00
mysql-connectors-community                                              | 2.6 kB  00:00:00
mysql-tools-community                                                   | 2.6 kB  00:00:00
mysql57-community                                                       | 2.6 kB  00:00:00
nginx                                                                   | 2.9 kB  00:00:00
updates                                                                 | 2.9 kB  00:00:00
nginx/x86_64/primary_db                                                 |  85 kB  00:00:01
```

4. start NGINX. nginx is the service name
5. Set NGINX to start at system boot.
6. Verify that NGINX is running. curl http://localhost

A: answer for above 3 questions

```
[pranay@localhost ~]$ sudo systemctl start nginx
[pranay@localhost ~]$ sudo systemctl enable nginx
Created symlink from /etc/systemd/system/multi-user.target.wants/nginx.service to /usr/lib/systemd/system/nginx.service.
[pranay@localhost ~]$ sudo systemctl status nginx
● nginx.service - nginx - high performance web server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2023-05-30 15:26:37 UTC; 24s ago
     Docs: http://nginx.org/en/docs/
 Main PID: 3212 (nginx)
   CGroup: /system.slice/nginx.service
           ├─3212 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf
           └─3213 nginx: worker process

May 30 15:26:37 localhost.localdomain systemd[1]: Starting nginx - high performance web server...
May 30 15:26:37 localhost.localdomain systemd[1]: Started nginx - high performance web server.
[pranay@localhost ~]$ curl http://localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
```

Configure NGINX as a proxy for Mattermost server

1. Create a configuration file for Mattermost. (/etc/nginx/conf.d/mattermost) and copy the below content

A:

```
upstream backend {
   server 192.168.56.101:8065;
   keepalive 32;
}

proxy_cache_path /var/cache/nginx levels=1:2 keys_zone=mattermost_cache:10m max_size=3g inact

server {
  listen 80;
  server_name   192.168.56.101;
location ~ /api/v[0-9]+/(users/)?websocket$ {
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
        client_max_body_size 50M;
        proxy_set_header Host $http_host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
        proxy_set_header X-Frame-Options SAMEORIGIN;
        proxy_buffers 256 16k;
```

```
[pranay@localhost ~]$ sudo touch /etc/nginx/conf.d/mattermost
[pranay@localhost ~]$ sudo vi /etc/nginx/conf.d/mattermost
```

2. Remove the existing default config file(/etc/nginx/conf.d/default) (Note: change owner for the file /etc/nginx to nginx) (also change the owner of the file /var/cache/nginx to nginx)

A:

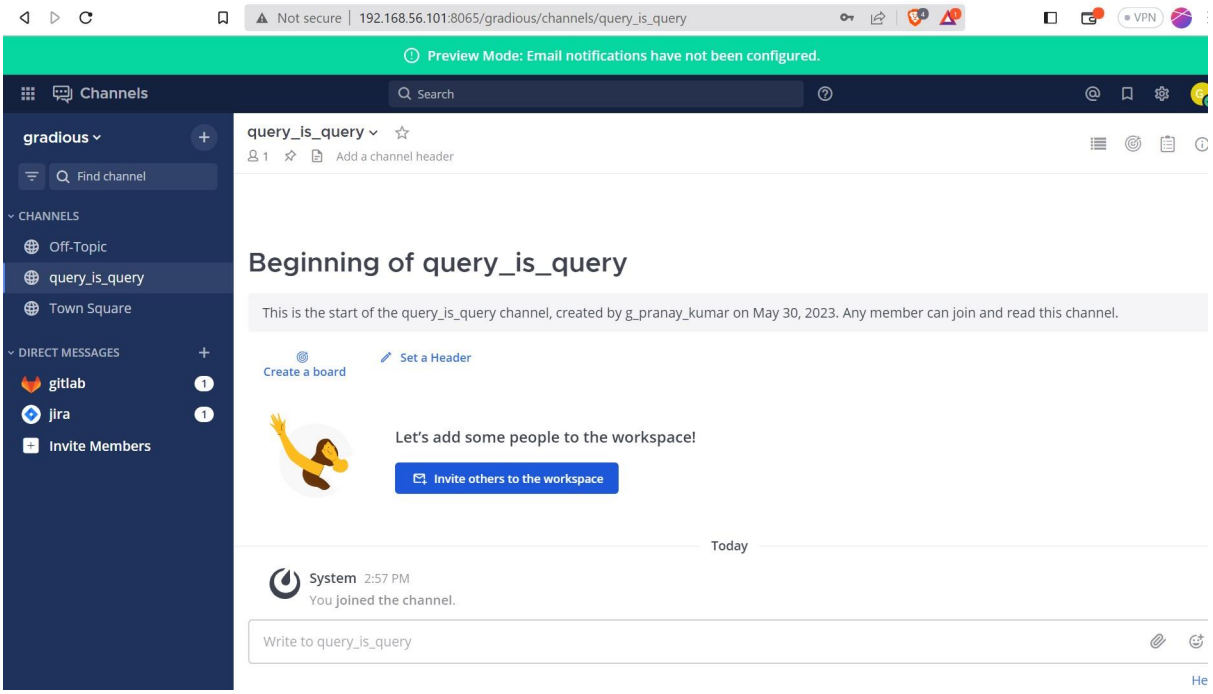
```
[pranay@localhost conf.d]$ sudo rm -r /etc/nginx/conf.d/default.conf
[pranay@localhost conf.d]$ sudo chown nginx:nginx /etc/nginx
[pranay@localhost conf.d]$ sudo chown nginx:nginx /var/cache/nginx
[pranay@localhost conf.d]$
```

3. Enable the mattermost configuration. sudo ln -s /etc/nginx/conf.d/mattermost /etc/nginx/conf.d/default.conf

4. Restart NGINX and Verify that you can see Mattermost through the proxy. curl http://localhost (if you get bad gateway error execute sudo sudo setsebool httpd_can_network_connect 1)

A:

```
[pranay@localhost conf.d]$ sudo ln -s /etc/nginx/conf.d/mattermost/etc/nginx/conf.d/default.conf
[pranay@localhost conf.d]$ curl http://localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
[pranay@localhost conf.d]$
```


Not secure | 192.168.56.101:8065/gradious/channels/query_is_query
VPN
Preview Mode: Email notifications have not been configured.
Channels
Search
gradious
Find channel
CHANNELS
Off-Topic
query_is_query
Town Square
DIRECT MESSAGES
gitlab
jira
Invite Members
query_is_query
1
Add a channel header
Beginning of query_is_query
This is the start of the query_is_query channel, created by g_pranay_kumar on May 30, 2023. Any member can join and read this channel.
Create a board
Set a Header
Let's add some people to the workspace!
Invite others to the workspace
Today
System 2:57 PM
You joined the channel.
Write to query_is_query