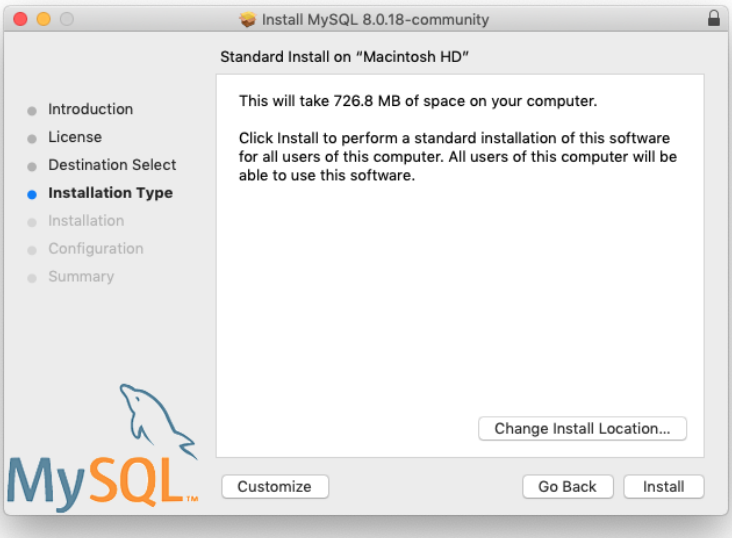
Installing MySQL Community Server 8.0.18 with Document Store

1. Download and install MySQL Community Server 8.0.18 for macOS (x86, 64-bit), DMG Archive from https://dev.mysql.com/downloads/mysql/

2. Launch the .dmg and start the installer .pkg

3. Click 'Continue' > 'Continue' > 'Agree'

4. Click 'Install' then enter your password to begin installation.



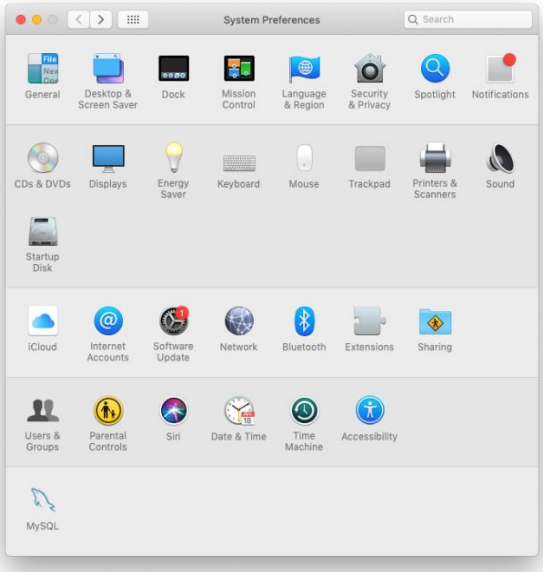
5. Configuration:

Passwords: Use strong password encryption, then click 'next'

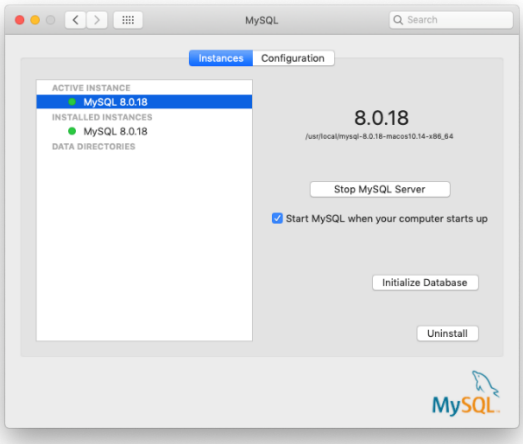
Enter a password: You will need this password to connect to your database later - remember it!

Click 'next', then enter your password.

6. Close the installer, then go to 'System Preferences'. There should be a new icon at the bottom titled 'MySQL':



Click on it to get to view your MySQL instances and configuration control panels. You can go here to configure, start and stop your MySQL server. Make sure it is running now (green lights):



You have now installed MySQL at the location: /usr/local/bin/mysql

We are going to install a more advanced MySQL shell to test the document store.

7. Download the MySQL Shell .dmg from https://dev.mysql.com/downloads/shell

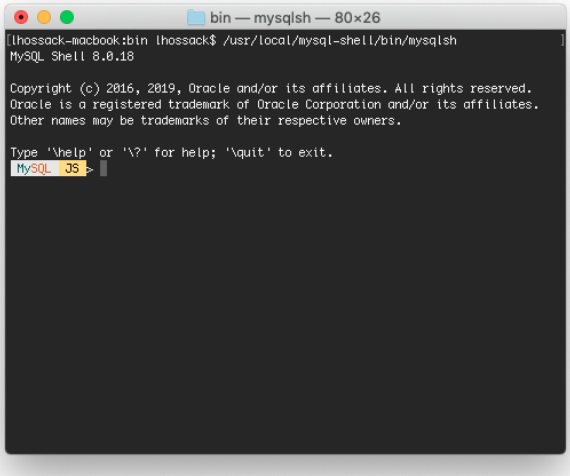
8. Launch the .dmg and start the .pkg.

9. Click 'Continue' > 'Continue' > 'Agree' > 'Install', then enter your password. Close the installer when complete. It will have installed to /usr/local/

10. Launch MySQL Shell by opening a terminal window and typing:

```
/usr/local/mysql-shell/bin/mysqlsh
```

Which should give you the following prompt:



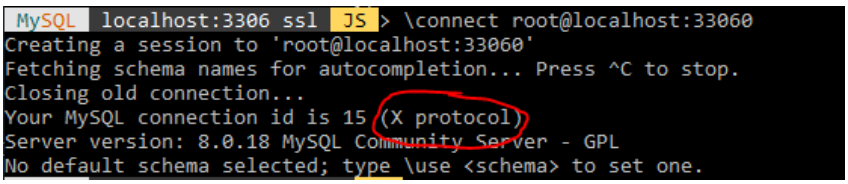
11. Testing the document store from MySQL Shell:

To connect to your database server, type:

```
\connect root@localhost:33060
```

And then enter the password you designated.

Ensure that the line which says "Your MySQL Connection id is xx" contains the message "(X Protocol)":



You can now type the following (on separate lines):

```
\sql
```

```
CREATE DATABASE Test;
```

```
\use Test
```

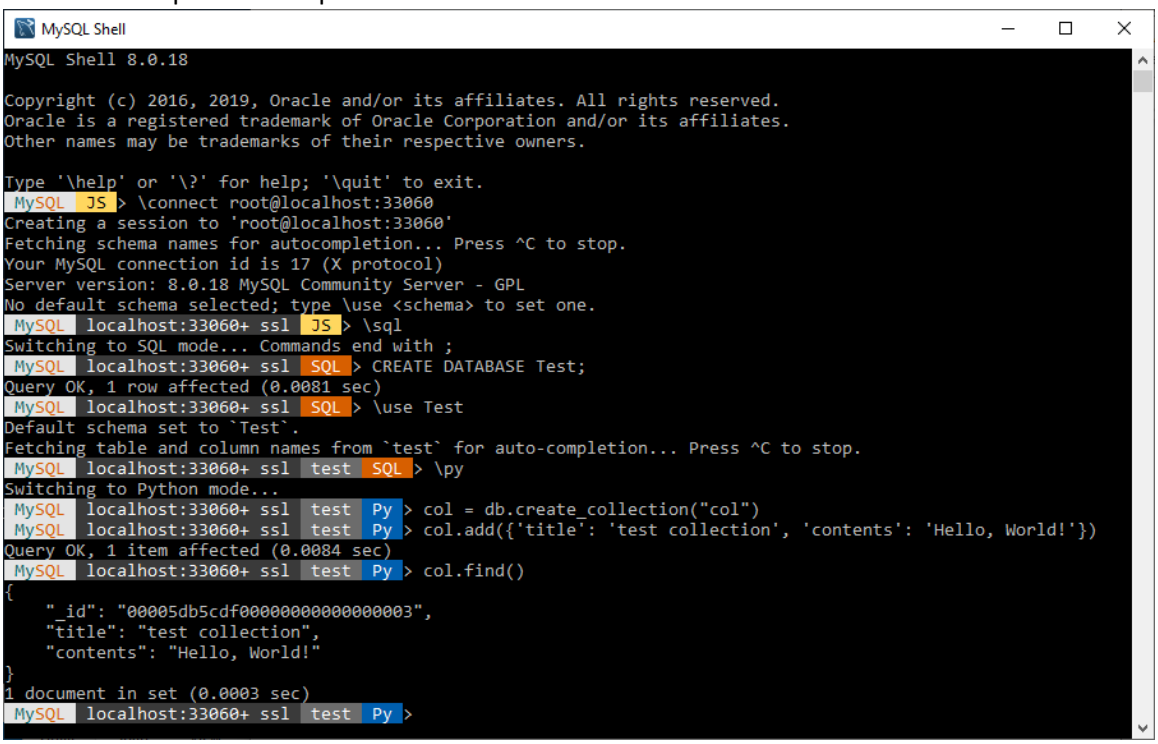
```
\py
```

```
col = db.create_collection("col")
```

```
col.add({'title': 'test collection', 'contents': 'Hello, World!'})
```

```
col.find()
```

Which should produce output like this:

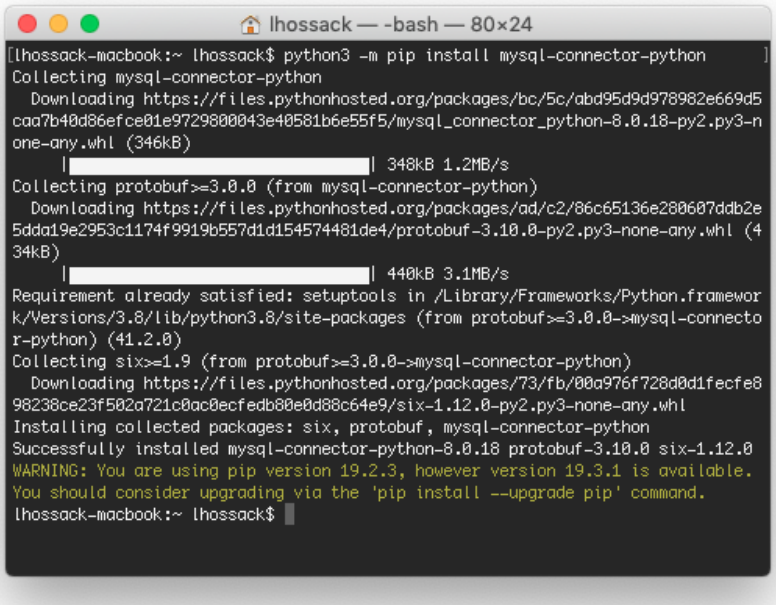


If any of these commands returned errors, there may be an issue with your installation or configuration.

8. Installing the connector/python with pip.

Open a terminal window, and replace 'python3' with the python3 name in your path and run:

```
python3 -m pip install mysql-connector-python
```



10. With this document is a python file 'test_connection.py' containing the following:

```
import mysqlx

# Connect to server on localhost
session = mysqlx.get_session({
    'host': 'localhost',
    'port': 33060,
    'user': 'root',
    'password': ''
})
```

```
schema = session.get_schema('Test')



# Specify which document to find with Collection.find()
result = schema.get_collection('col').find().limit(1).execute()
docs = result.fetch_all()
print(str(docs))


session.close()
```

You will need to edit the password on line 8 to be a string containing the password you specified for the MySQL root user.

Open a new cmd.exe window and run the code. You should get similar output (the document you added to this collection in Step 7) if the connector/python is installed and working properly.

```
M:\A2>py test_connection.py
[{'_id': '00005db5cdf00000000000000003', 'title': 'test collection', 'contents': 'Hello, World!'}]
```

Note: If the MySQL shell in Step 7 connected fine, but you get a segmentation fault while testing the python connector (Step 9), try installing a more recent version of python and installing the mysql-connector-python again.