

Milestone3-information about the "another service"

Introduce

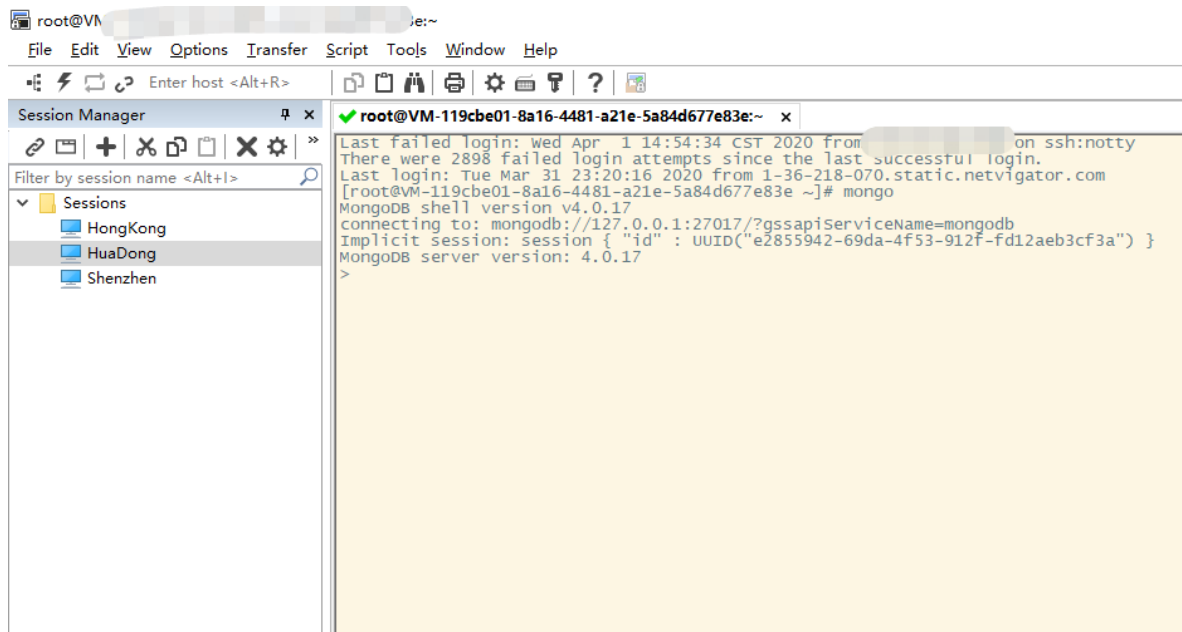
In the section, we add **MongoDB** as our main storage material, and we also add **OSS**(Object Storage Service) as our images storage material.

Description



We set up MongoDB on Alibaba Cloud server, and using Alibaba OSS.

①**Step1** - Using SecureCRT to connect to the server:

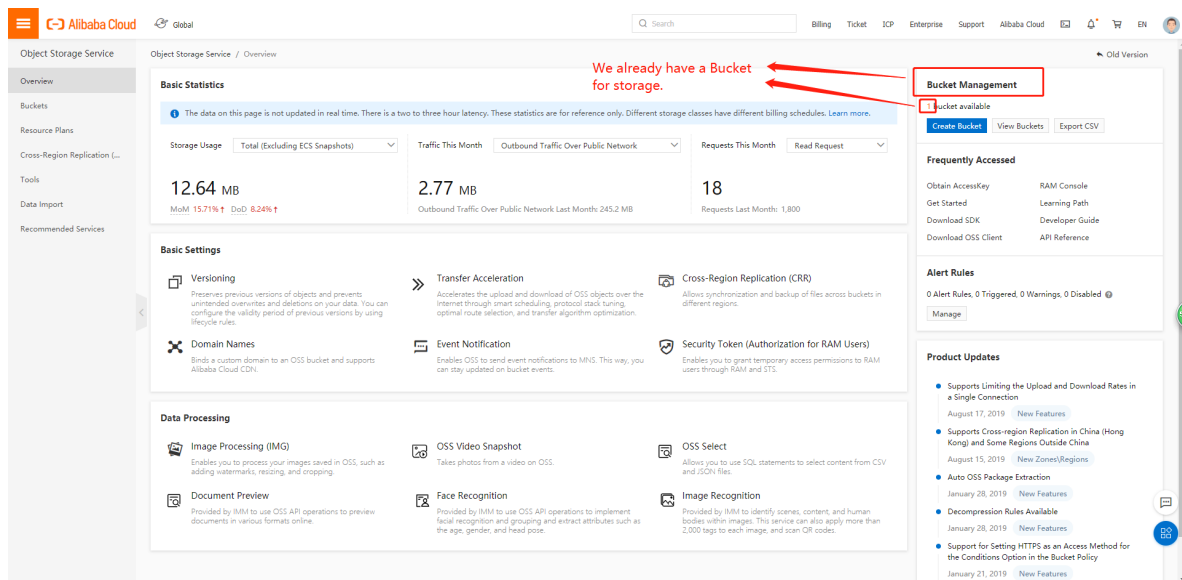


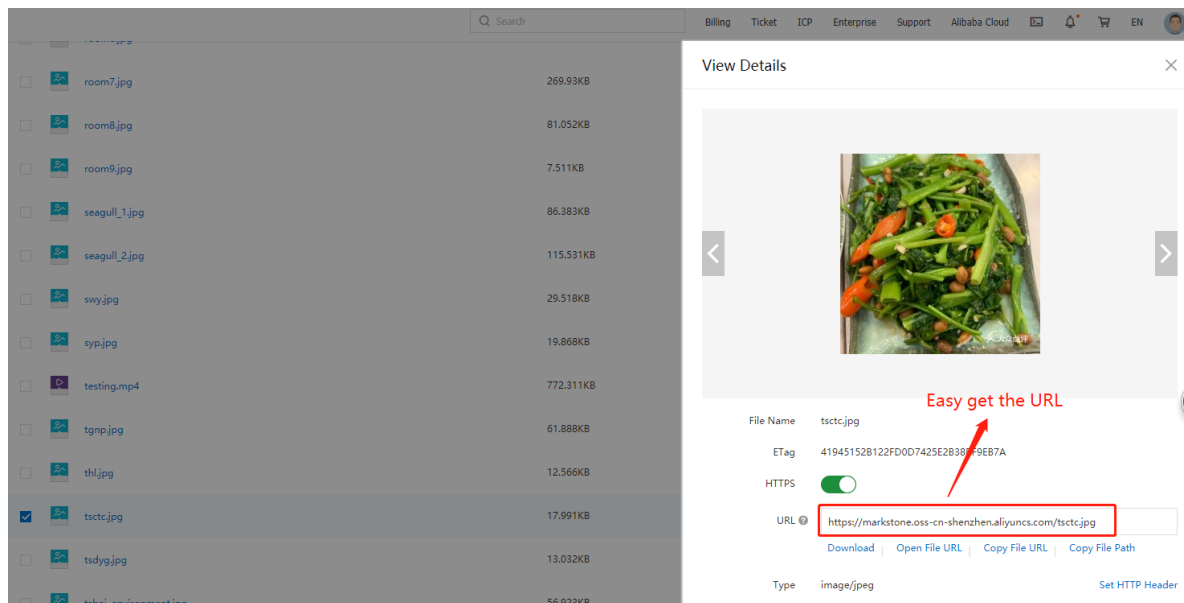
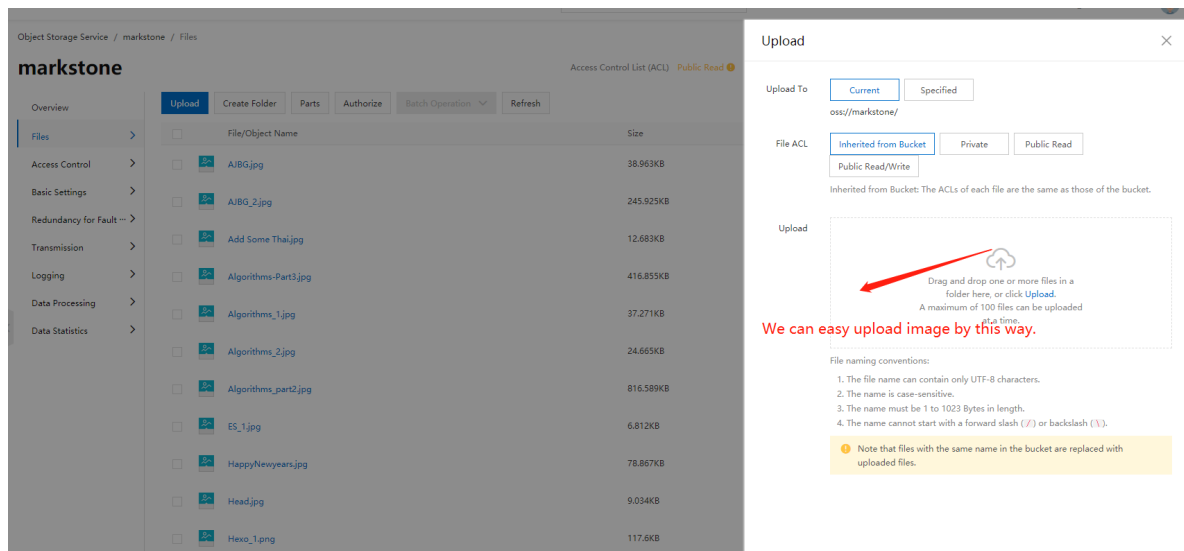
②Step 2 - Using yum to install MongoDB:

```
sudo yum install -y mongodb-org
```

After install MongoDB, we also configured some settings, to make sure we can connect to the MongoDB remotely.

③Step3 - Upload our images into the OSS.





④Step4 - Modify our script to change the URL and upload JSON data into MongoDB.

We post the testing code under it, you can use it to connect to the remote MongoDB and successfully insert some data.

```
import pymongo

myclient = pymongo.MongoClient("mongodb://115.220.10.112:27017/")
mydb = myclient["admin"]          #admin is Database name
mydb.authenticate('myUserAdmin', 'abc123')

tdb = myclient.admin
post = tdb.test                    #test is set, also is table.

print("inserting")
post.insert({'name': "李白", "age": "30", "skill": "Python"})
print("Complete insert")

print("querying")
result = post.find_one({'name': '李白'})
print(result)
```

Summary

In this milestone, we learned how to operate **Linux server**, also, we learned how to operate **MongoDB** in command-line interface and in Python.