Twarc, mongodb community, mongodb cloud

Week 3

COMP 2031/8031

installation

- On Unix
  - pip3 install twarc
  - twarc configure
- On Windows:
- https://github.com/alblaine/twarc-tutorial

- Example:
- twarc search covid19 > search.jsonl

tweet

- https://developer.twitter.com/en/docs/twitter-api/v1/data-dictionary/overview#:~:text=All%20Twitter%20APIs%20that%20return,JSON%2C%20including%20Tweets%20and%20Users.
  - Tweet object
  - User object
  - Entities object
  - Extended entities object
  - Geo object
-

Importing a csv

- mongoimport -d tweetstestdb -c dailywords --type CSV --file test-tweets.csv --headerline

Mongodb location

- The databases are stored in the **/usr/local/var/mongodb/** directory

- The mongod.conf file is here: **/usr/local/etc/mongod.conf**

- The mongo logs can be found at **/usr/local/var/log/mongodb/**

- The mongo binaries are here: **/usr/local/Cellar/mongodb/[version]/bin**

Start shell

- On a new terminal type mongosh
  - show databases show
  - dbs
- For table/collection list:
  - show collections
  - show tables db.getCollectionNames()

- > use tweetstestdb
- switched to db tweetstestdb
- > show collections
- dailywords

Cloud

- https://cloud.mongodb.com/
- Create an account

MongoDB.

MONGODB ATLAS

Deploy a cloud database

Experience the best of MongoDB on AWS, Azure, and Google Cloud. Choose a deployment option to get started.

PREVIEW	ADVANCED	FREE
Serverless	**Dedicated**	**Shared**
For serverless applications that aren't critical with variable traffic. Minimal configuration required.	For production applications with sophisticated workload requirements. Advanced configuration controls.	For learning and exploring MongoDB in a cloud environment. Basic configuration options.
✔ Pay only for the operations you run	✔ Network isolation and fine-grained access controls	✔ No credit card required to start
✔ Resources scale seamlessly to meet your workload	✔ On-demand performance advice	✔ Explore with sample datasets
✔ Always-on security and backups	✔ Multi-region and multi-cloud options available	✔ Upgrade to dedicated clusters for full functionality
Create	Create	Create
Starting at	Starting at	Starting at
$0.30/1M reads	$0.08/hr*	FREE
	*estimated cost $56.94/month	

I'll do this later   Advanced Configuration Options

Create a Shared Cluster

Welcome to MongoDB Atlas! We've recommended some of our most popular options, but feel free to customize your cluster to your needs. For more information, check our documentation.

PREVIEW Serverless	Dedicated	FREE Shared

For learning and exploring MongoDB in a sandbox environment. Basic configuration controls. ✕

No credit card required to start. Upgrade to dedicated clusters for full functionality.
Explore with sample datasets. Limit of one free cluster per project.

Cloud Provider & Region   AWS, Sydney (ap-southeast-2) ⌄

aws	Google Cloud	▲ Azure

★ Recommended region ⓘ   ⬚ Paid tier region ⓘ

NORTH AMERICA	EUROPE	AUSTRALIA
🇺🇸 **Oregon** (us-west-2) ★	🟢 **Ireland** (eu-west-1) ★	🇦🇺 **Sydney** (ap-southeast-2) ★
🇺🇸 **N. Virginia** (us-east-1) ★	🟡 **Stockholm** (eu-north-1) ★	**ASIA**
🇺🇸 Ohio (us-east-2) ★ ⬚	🇫🇷 **Paris** (eu-west-3) ★	🇮🇳 **Mumbai** (ap-south-1)
🇺🇸 **N. California** (us-west-1) ★ ⬚	🇩🇪 **Frankfurt** (eu-central-1) ★	🇰🇷 **Seoul** (ap-northeast-2)

FREE **Free forever!** Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.   Back   **Create Cluster**

📁 Project 0 ▾ ⋮ 🌿 Atlas 🔁 Realm ☁ Charts

Database Deployments

🔍 Find a database deployment...

+ Create

DEPLOYMENT
Database
Data Lake

DATA SERVICES
Triggers
Data API `PREVIEW`

SECURITY
Database Access
Network Access
Advanced

New On Atlas ①

● **Cluster0** | Connect | View Monitoring | Browse Collections | ⋯ | `FREE` `SHARED`

● R	ⓘ	Connections	ⓘ	● In	ⓘ	Data Size	ⓘ
● W				● Out			
100.0/s		100.0		100.0 B/s		512.0 MB	

🌿 **Enhance Your Experience**

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED REALM APP	ATLAS SEARCH
5.0.6	AWS / Sydney (ap-southeast-2)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	None Linked	Create Index

MBot from MongoDB
👋 Hi there!

Is there anything I can help you with?

Choose a subscription   Something else

No, I'm just browsing

✓ **Get Started** ②

📁 Project 0 ▼ ⋮   🔵 Atlas   🔄 Realm   ☁ Ch

DEPLOYMENT

Database

Data Lake

DATA SERVICES

Triggers

Data API   PREVIEW

SECURITY

Database Access

Network Access

Advanced

New On Atlas ①

FLINDERS > PROJECT 0

Database Deployments

🔍 Find a database deployment...

🔵 **Cluster0**   Connect   View Monitoring

● R 0
● W

100.0%

VERSION   **REGION**   CL
5.0.6   AWS / Sydney (ap-southeast-2)   MC

+ Create

FREE   SHARED

0.0 B / 512.0 MB (0%)   ①

🔷 **Enhance Your Experience**

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

Connect to Cluster0   ✕

✔ Setup connection security 〉 ✔ Choose a connection method 〉 **Connect**

❶ Select your driver and version

DRIVER   **VERSION**
Node.js   ▼   4.0 or later   ▼

❷ Add your connection string into your application code

☐ Include full driver code example

```
mongodb+srv://mehwishnasim:<password>@cluster0.btymo.mongodb.net/myFirstDatabase?
retryWrites=true&w=majority
```
📋

Replace **<password>** with the password for the **mehwishnasim** user. Replace **myFirstDatabase** with the name of the database that connections will use by default. Ensure any option params are **URL encoded.**

Having trouble connecting? **View our troubleshooting documentation**

Go Back   Close

MBot from MongoDB

👋 Hi there!

Is there anything I can help you with?

Choose a subscription   Something else

No, I'm just browsing

✅ Get Started ②

Flinders

Access Manager ▼   Billing

All Clusters   Get Help ▼   Mehwish ▼

Project 0 ▼   ⋮   🍃 Atlas   🔄 Realm   📊 Charts

DEPLOYMENT

Database
Data Lake

DATA SERVICES

Triggers
Data API PREVIEW

SECURITY

Database Access
Network Access
Advanced

FLINDERS > PROJECT 0 > DATABASES

VERSION 5.0.6   REGION AWS Sydney (ap-southeast-2)

⚙ Cluster0

Overview   Real Time   Metrics   **Collections**   Search   Profiler   Performance Advisor   Online Archive   Cmd Line Tools

DATABASES: 0 COLLECTIONS: 0

📊 VISUALIZE YOUR DATA   🔄 REFRESH

Explore Your Data

- **Find:** run queries and interact with documents
- **Indexes:** build and manage indexes
- **Aggregation:** test aggregation pipelines
- **Search:** build search indexes

Load a Sample Dataset   Add My Own Data

Learn more in Docs and Tutorials ↗

System Status: All Good

©2022 MongoDB, Inc.   Status   Terms   Privacy   Atlas Blog   Contact Sales

Get Started 2