

MongoDB教育訓練-02

Setting-up MongoDB Atlas

We will set up an Atlas Free Tier cluster

- 3 Nodes in different datacenters
- Highly available
- 512 MB of storage
- Secure by default
- Using TLS network encryption

註冊

<https://cloud.mongodb.com/>

tool

<https://www.mongodb.com/try/download/shell>

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

GCP, Taiwan (asia-east1) ▼

aws

Google Cloud

Azure

★ Recommended region ⓘ 🏷️ Paid tier region ⓘ

NORTH AMERICA / SOUTH AMERICA

EUROPE / MIDDLE EAST / AFRICA

ASIA PACIFIC

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

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[Back](#)

Create Cluster

1.新增帳號



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Access Manager ▼ Billing

Project 0

Atlas

Realm

Charts

DEPLOYMENT

Databases

Data Lake

DATA SERVICES

Triggers

Data API PREVIEW

SECURITY

Quickstart

Database Access

Network Access

Advanced

To access data stored in Atlas, you'll need to create users and set up network security controls. [Learn more about security setup](#)

1 How would you like to authenticate your connection?


Your first user will have permission to read and write any data in your project.

Username and Password

Certificate

Create a database user using a username and password. Users will be given the *read and write to any database privilege* by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.


Username

Password 

Create User


admin

2.新增你的存取IP-> 【add My Current Ip address】



My Local Environment

Use this to add network IP addresses to the IP Access List. This can be modified at any time.



Cloud Environment

Use this to configure network access between Atlas and your cloud or on-premise environment. Specifically, set up IP Access Lists, Network Peering, and Private Endpoints.

Add entries to your IP Access List

Only an IP address you add to your Access List will be able to connect to your project's clusters. You can manage existing IP entries via the [Network Access Page](#).

IP Address

Description

Add Entry


Add My Current IP Address

IP Access List	Description	
125.227.1.109/32	My IP Address	<div> <div>REMOVE</div> </div>

ninq...

×

3.下載sample資料庫



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⚙️

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TREEMAN'S ORG - 2021-12-16 > PROJECT 0

Database Deployments

Find a database deployment...

Cluster0

Connect

View Monitoring

Browse Collections

⋮

Edit Configuration

Command Line Tools

Load Sample Dataset

Terminate

● R 0

● W 0

Last 6 minutes

100.0/s

ⓘ

Connections 0

Last 11 minutes

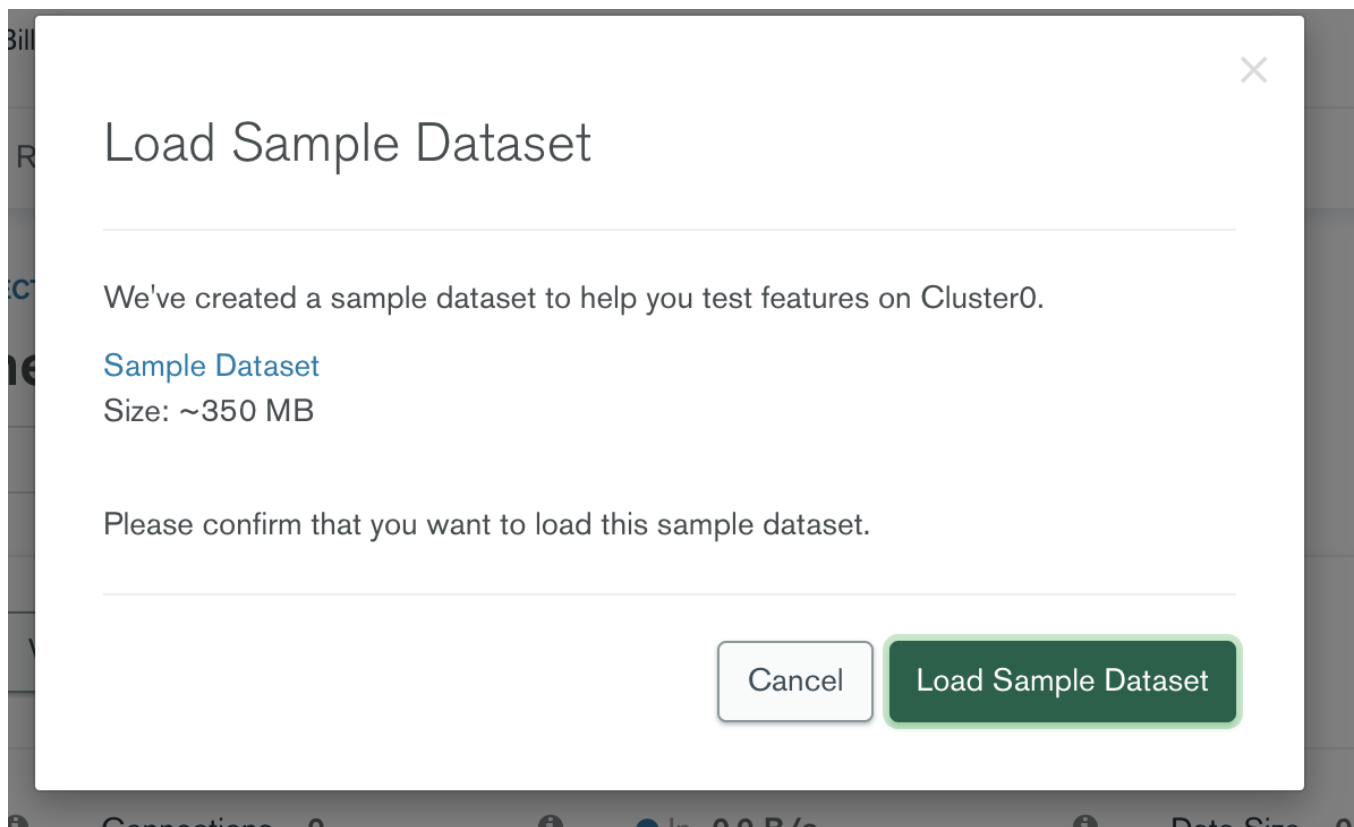
100.0

ⓘ

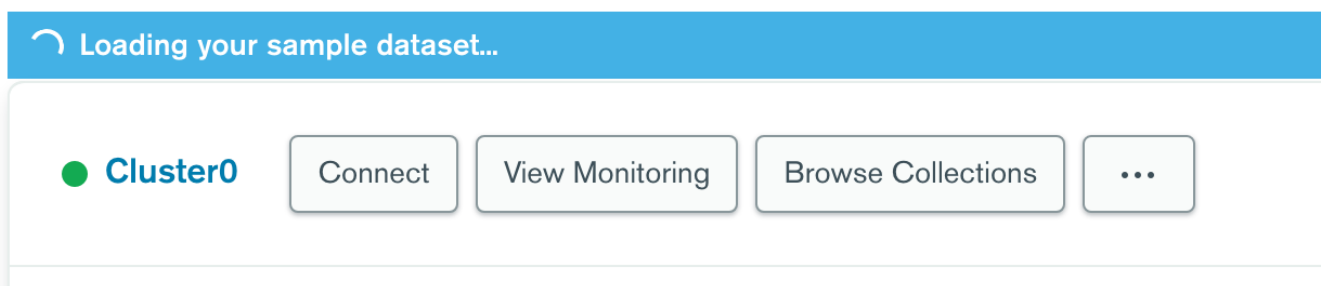
Dat

Las

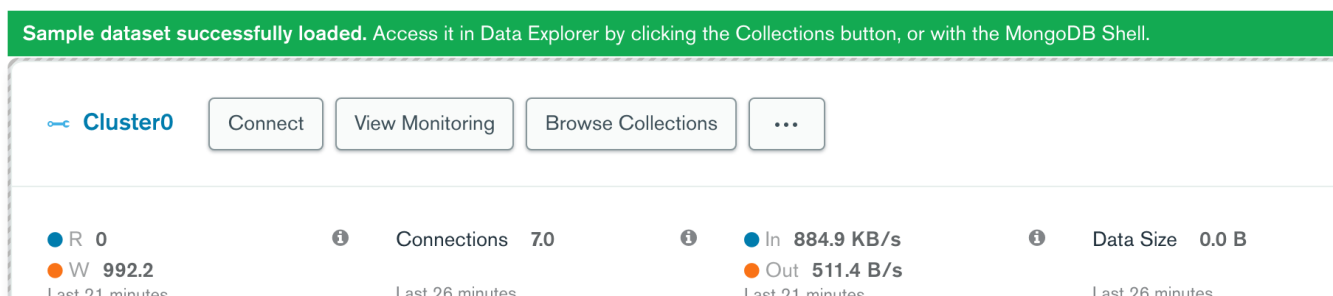
512



下載中.....



已下載完成



4.新增連線 【Connect】



DEPLOYMENT

Databases

Data Lake

DATA SERVICES

Triggers

Data API **PREVIEW**

SECURITY

Database Access

Network Access

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Database Deployments

Cluster0

Connect

View Monitoring

Browse Collections

...

R 0

W 0

Last 2 minutes

100.0/s



Connections 0

Last 7 minutes

100.0



In 0.0 B/s

Out 0.0 B/s

Last 2 minutes

100.0 B/s

Connect with the MongoDB Shell



Connect to Cluster0

✓ Setup connection security

Choose a connection method

Connect

Choose a connection method [View documentation](#)

Get your pre-formatted connection string by selecting your tool below.

**Connect with the MongoDB Shell**

Interact with your cluster using MongoDB's interactive Javascript interface

**Connect your application**

Connect your application to your cluster using MongoDB's native drivers

**Connect using MongoDB Compass**

Explore, modify, and visualize your data with MongoDB's GUI



Go Back

Close

Connect to Cluster0

✓ Setup connection security

✓ Choose a connection method

Connect

I do not have the MongoDB Shell installed

I have the MongoDB Shell installed

1 Select your operating system and download the mongosh

🍏 macOS

Install via Homebrew

```
brew install mongosh
```



Homebrew is a package manager for macOS. [Install Homebrew](#)

2 Run your connection string in your command line

Use this connection string in your application:

```
mongosh "mongodb+srv://cluster0.0roj8.mongodb.net/myFirstDatabase" --username  
admin
```



Replace **myFirstDatabase** with the name of the database that connections will use by default. You will be prompted for the password for the Database User, **admin**. When entering your password, make sure all special characters are [URL encoded](#).

Having trouble connecting? [View our troubleshooting documentation](#)

Mac 安裝

```
brew install mongosh
```

連線(依照網頁url)

```
mongosh "mongodb+srv://cluster0.0roj8.mongodb.net/myFirstDatabase" --username admin
```

```
sample_analytics      9.94 MB
sample_geospatial    1.79 MB
sample_mflix          48.4 MB
sample_restaurants    6.78 MB
sample_supplies        991 kB
sample_training        48.7 MB
sample_weatherdata    2.51 MB
admin                  336 kB
local                  4.26 GB
Atlas atlas-vnfeuv-shard-0 [primary] sample_training> use sample_airbnb
switched to db sample_airbnb
Atlas atlas-vnfeuv-shard-0 [primary] sample_airbnb> show tables
listingsAndReviews
Atlas atlas-vnfeuv-shard-0 [primary] sample_airbnb> db.listingsAndReviews.find()
```

🔗 修訂版本 #5

★ 由 treeman 建立於 16 🍀🍀🍀🍀🍀 2021 19:14:00

🔧 由 treeman 更新於 5 🍀🍀🍀🍀🍀 2023 10:14:59