

CU Bank

Set up guide

1. เข้าเว็บไซต์ mongodb

The image shows the MongoDB logo, which consists of a green leaf icon followed by the text "MongoDB." in a green serif font. The background is dark blue with large, rounded, light green shapes. Below the logo, there is a white box containing text.

The World's Leading Modern Database


Get your ideas to market faster with a flexible, AI-ready database.
MongoDB makes working with data easy.

 MongoDB



Sign up

See what Atlas is capable of for free

 Sign up with Google

First Name*

Last Name*

Company

Email*

Password*



☐ I agree to the Terms of Service and Privacy Policy.

Create your Atlas account


Sign in

สมัครและเข้าสู่ระบบของ mongodb

Setup สำหรับคนที่ ยังไม่มี บัญชี MongoDB

ใครที่มีบัญชี MongoDB อยู่แล้วให้ข้ามไปหน้าที่ 11

New User

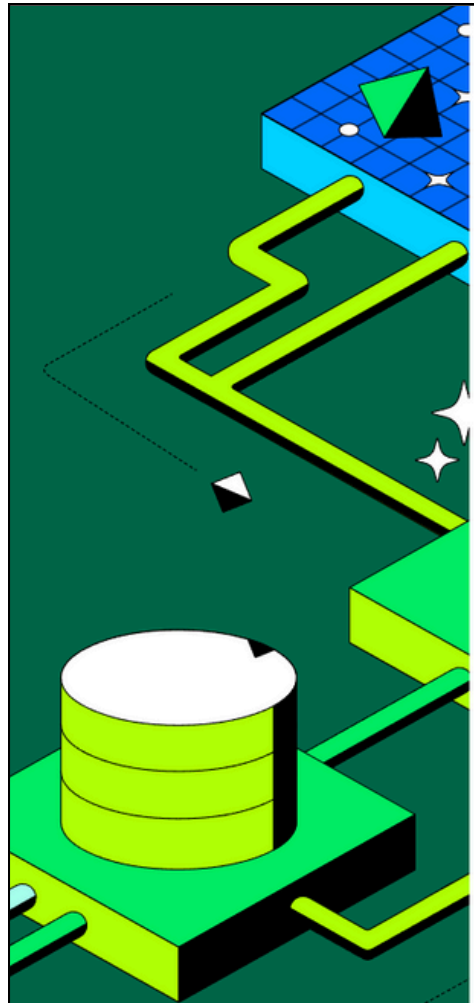


Accept Privacy Policy & Terms of Service


Please acknowledge the following terms and conditions to finish creating your account.

☒ I accept the [Privacy Policy](#) and the [Terms of Service](#)

[Cancel Signup](#) [Submit](#)



1.Accept Privacy Policy & Terms of Service



Welcome to Atlas. Let's build something great.

Help us tailor your experience by taking a minute to answer the questions below.

GETTING TO KNOW YOU

What is your primary goal?

Select

How long have you been developing software with MongoDB?

Select

GETTING TO KNOW YOUR PROJECT

What programming language are you primarily building on MongoDB with?

Select

What type(s) of data will your project use?
You can choose as many as you want

Select

Will your application include any of the following architectural models?
You can choose as many as you want

Select

[Skip personalization](#) [Finish](#)

2.กดปุ่ม Skip ได้ข้างล่างนี้

Create Deployment

ORGANIZATION

poomipata's Org - 2...

PROJECT

Project 0

Deploy your cluster

Use a template below or set up advanced configuration options. You can also edit these configuration options once the cluster is created.

M10

\$0.09/hour

Dedicated cluster for development environments and low-traffic applications.

STORAGE

10 GB

RAM

2 GB

vCPU

2 vCPUs

Flex

From \$0.011/hour

Up to \$30/month

For development and testing, with on-demand burst capacity for unpredictable traffic.

STORAGE

5 GB

RAM

Shared

vCPU

Shared

Free

For learning and exploring MongoDB in a cloud environment.

STORAGE

512 MB

RAM

Shared

vCPU

Shared

Free forever!

Your free cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Configurations

Name

You cannot change the name once the cluster is created.

CUBankCluster

Provider

aws

Google Cloud

Azure

Region

Singapore (ap-southeast-1)

Quick setup

☒ Automate security setup

☒ Preload sample dataset

I'll do this later

Go to Advanced Configuration

Create Deployment

3.สร้าง Cubank Cluster

Connect to CUBankCluster

1

2

3

Set up connection security

Choose a connection method

Connect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

1. Add a connection IP address

✓

Your current IP address (184.22.145.3) has been added to enable local connectivity. Only an IP address you add to your Access List will be able to connect to your project's clusters. Add more later in [Network Access](#).

2. Create a database user

This first user will have [atlasAdmin](#) permissions for this project.

We autogenerated a username and password. You can use this or create your own.

ⓘ

You'll need your database user's credentials in the next step. Copy the database user password.

Username

poomipataarm_db_user

Password

8fys97cHihPOff6T

HIDE

Copy

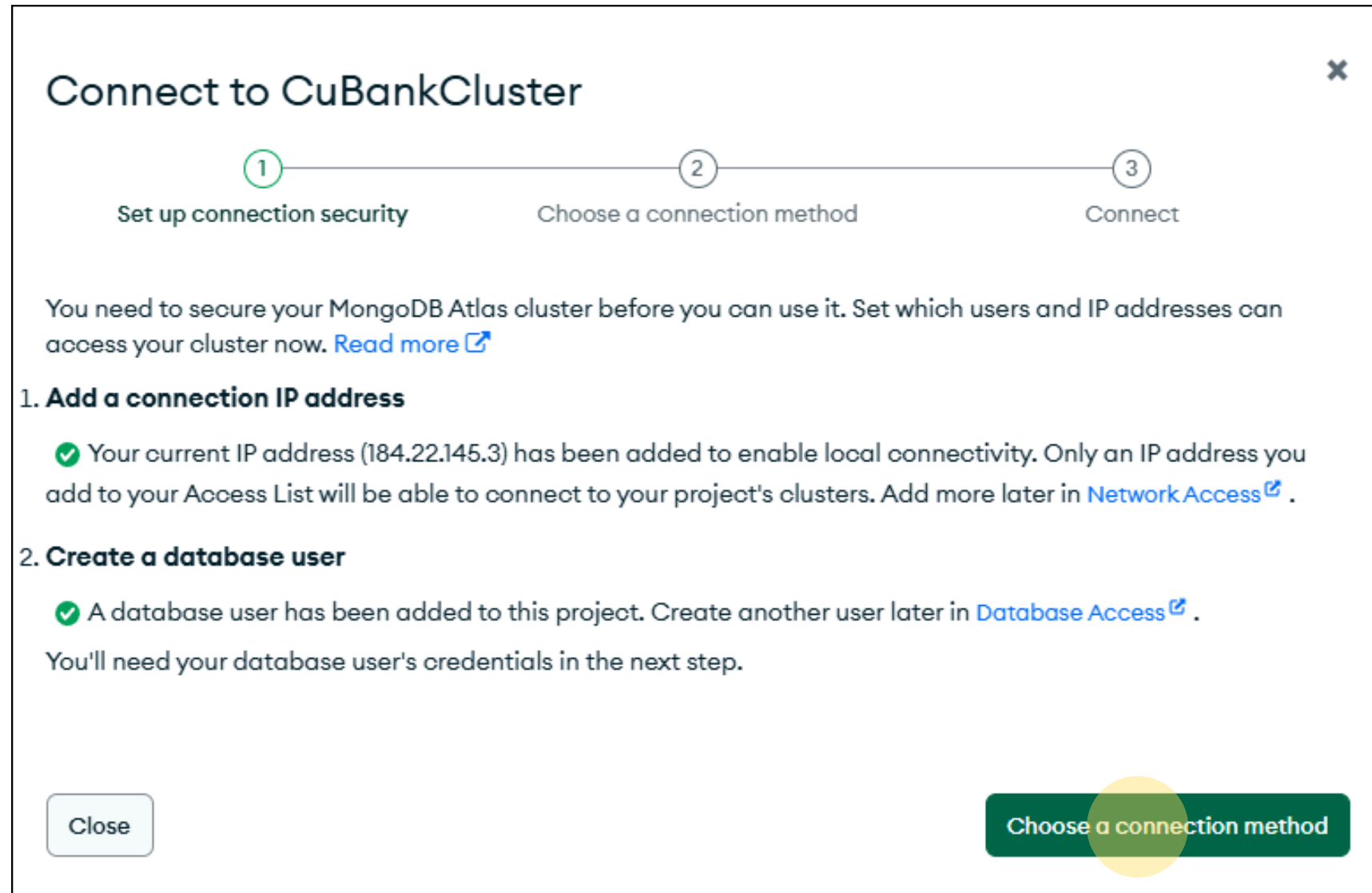
Create Database User

Close

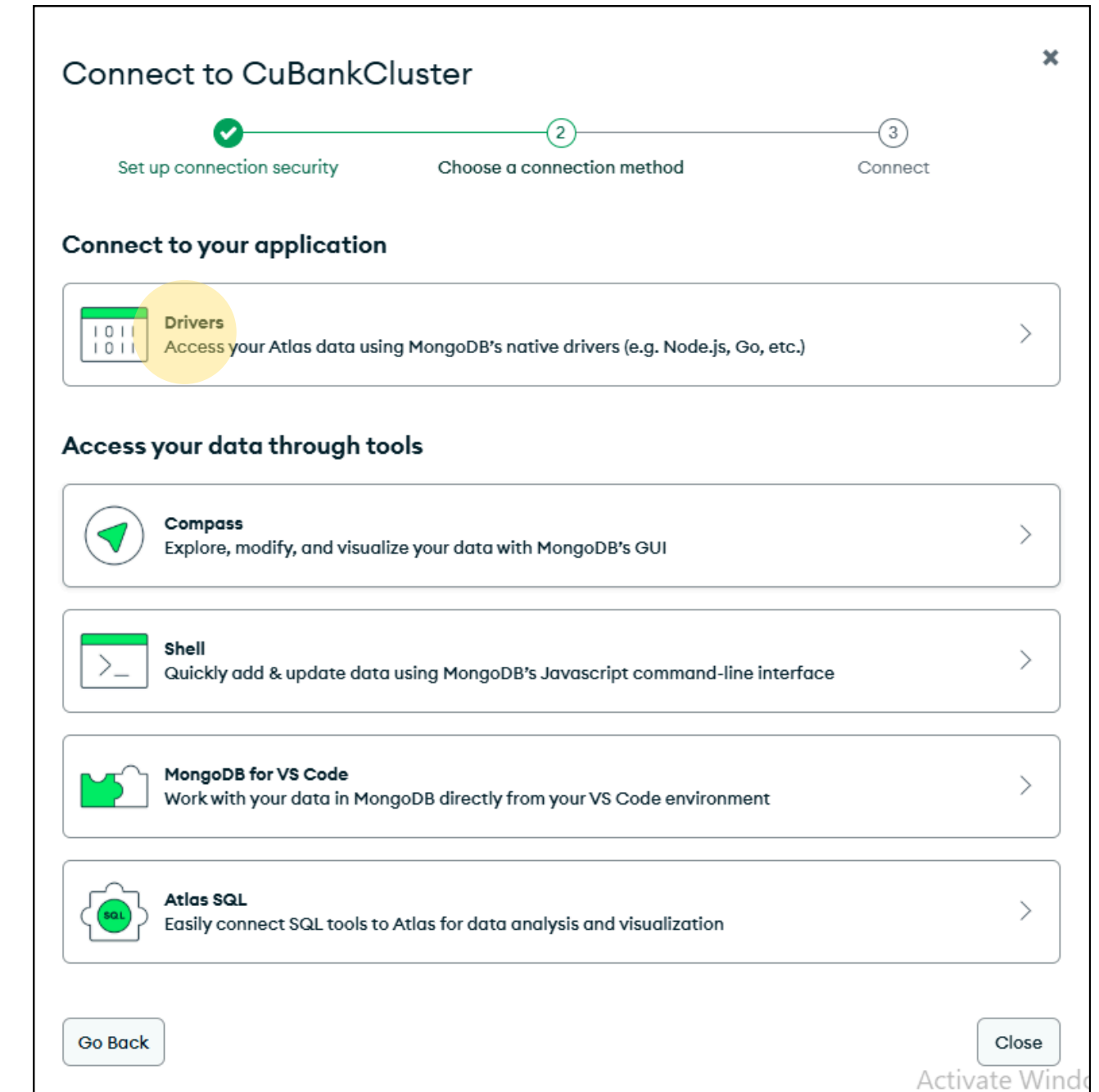
Choose a connection method

4.สร้าง Database User

6



5.เลือก a connection method



6.Select Drivers

Connect to CuBankCluster

✓

✓

3

Set up connection security

Choose a connection method

Connect

Connecting with MongoDB Driver

1. Select your driver and version

We recommend installing and using the latest driver version.

Driver

Version

Node.js

6.7 or later

2. Install your driver

Run the following on the command line

npm install mongodb

View MongoDB Node.js Driver installation instructions.

3. Add your connection string into your application code

Use this connection string in your application

View full code sample

Show Password

mongodb+srv://poomipat_db_user:NdizxuAswtANda5E@cubankcluster.baqapsj.mongodb.net/?appName=CuBankCluster

The password for **poomipat_db_user** is included in the connection string for your first time setup. This password will not be available again after exiting this connect flow.

RESOURCES

Get started with the Node.js Driver

Node.js Starter Sample App

Access your Database Users

Troubleshoot Connections

Go Back

Done

7.Copy Connetion String

8


```
1  PORT = 4000
2  NODE_ENV = development
3  MONGO_URI =
4  JWT_SECRET = system_testing
5  JWT_EXPIRE = 30d
6  JWT_COOKIE_EXPIRE = 30
```

8.เปิดไฟล์ config.env จาก directory : cubank/backend/config/config.env

```
1  PORT = 4000
2  NODE_ENV = development
3  MONGO_URI = mongodb+srv://rattasan:<db_password>@cu-bank.2b0bqcp.mongodb.net/?retryWrites=true&w=majority&appName=cu-bank
4  JWT_SECRET = system_testing
5  JWT_EXPIRE = 30d
6  JWT_COOKIE_EXPIRE = 30
```

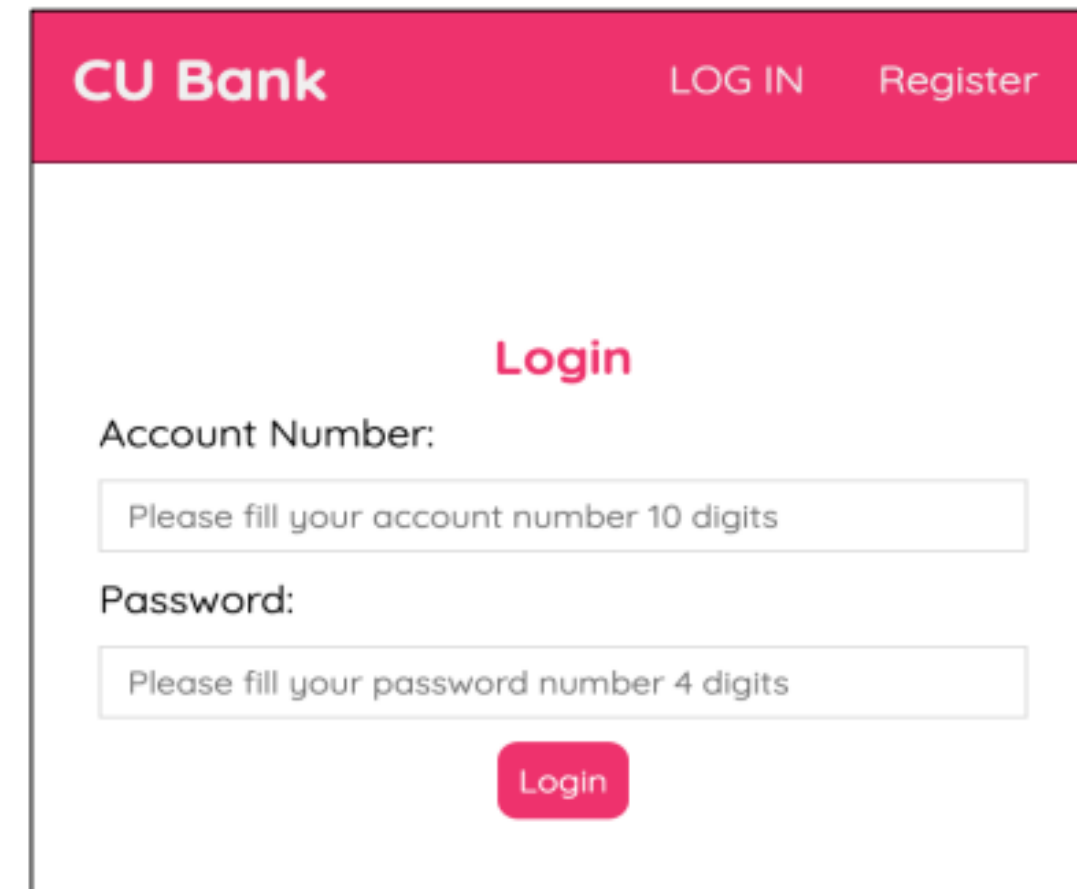
9.วางค่า connection string ที่ตัวแปร MONGO_URI และกรอก password ลงไปและบันทึกไฟล์ config
(ตอนกรอก password ให้ลบเครื่องหมาย <> ออกไปด้วย)

10.รับระบบ backend

- 1.เปิด terminal ไปที่ directory : backend
- 2.รับคำสั่งเพื่อติดตั้ง dependencies (รับครั้งแรกครั้งเดียว)
 - npm install
 - npm install mongodb
- 3.รับคำสั่งเพื่อเปิดการทำงานของ backend ด้วยคำสั่ง
 - npm run start

11.รับระบบ frontend

- 1.เปิด terminal ไปที่ directory : frontend
- 2.รับคำสั่งเพื่อติดตั้ง dependencies (รับครั้งแรกครั้งเดียว)
 - npm install
- 3.รับคำสั่งเพื่อเปิดการทำงานของ frontend ด้วยคำสั่ง
 - npm run start
- 4.เปิด url : http://localhost:3000 จะได้หน้า log in



CU Bank

LOG IN Register

Login

Account Number:

Please fill your account number 10 digits

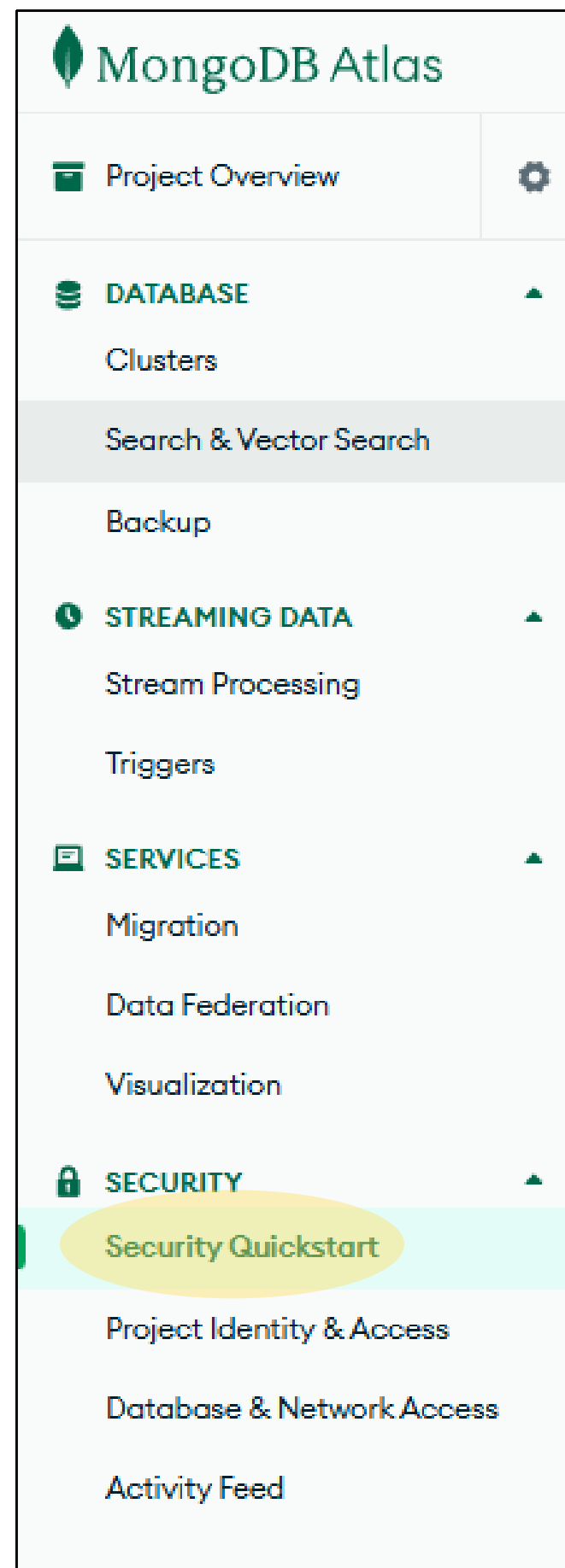
Password:

Please fill your password number 4 digits

Login

หลักจากรันครบทั้ง 2 ระบบแล้ว ให้ทดสอบสร้าง account เพื่อตรวจสอบการทำงานของระบบ

Setup สำหรับคนที่มีบัญชี MongoDB



1.หลังเข้าสู่ระบบให้กดที่เมนู Security Quickstart

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 *Atlas Admin* privilege by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your Atlas username and password.

Username

rattasan

Password

.....

🔑 Autogenerate Secure Password

📋 Copy


Create User

2.ตั้งค่า username, password ของตัวเองและกดปุ่ม Create User

Create a database user using a username and password. Users will be given the *Atlas Admin* privilege by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your Atlas username and password. You can manage existing users via the [Database Access Page](#).

Username

Password 

 Autogenerate Secure Password

 Copy

Create User

Success! Please keep your credentials to connect to your cluster.

Username

rattasan

Authentication Type

Password

 EDIT

 REMOVE

3.หน้าจอแสดงผลหลังจากเพิ่ม username, password สำเร็จ

MongoDB Atlas

ORGANIZATION
Rattasan's Org - 202...

PROJECT
testing

Project Overview

DATABASE

- Clusters
- Search & Vector Search
- Backup

STREAMING DATA

- Stream Processing
- Triggers

SERVICES

- Migration
- Data Federation
- Visualization

SECURITY

- Security Quickstart
- Project Identity & Access
- Database & Network Access
- Activity Feed

Where would you like to connect from?

Enable access for any network(s) that need to read and write data to your cluster.

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

0.0.0.0/0

CU Bank

Add My Current IP Address

Add Entry

IP Access List

Description

Finish and Close

4.กรอกร IP Address : 0.0.0.0/0 , Description : CU Bank แล้วกดปุ่ม Add Entry

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MongoDB Atlas

Project Overview

DATABASE

Clusters

Search & Vector Search

Backup

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Activity Feed

ORGANIZATION


Rattasan's Org - 202...

PROJECT

testing

Your organization does not have a designated security contact. Add an Atlas Security Contact in [Organization Settings](#) to receive security-related notifications.

testing Overview



Create a cluster

Choose your cloud provider, region, and specs.

+ Create

5.ไปที่ Project Overview กด Create

Deploy your cluster

Use a template below or set up advanced configuration options. You can also edit these configuration options once the cluster is created.

☐ **M10** **\$0.09/hour**
Dedicated cluster for development environments and low-traffic applications.

STORAGE	RAM	vCPU
10 GB	2 GB	2 vCPUs

☐ **Flex** **From \$0.011/hour**
Up to \$30/month
For development and testing, with on-demand burst capacity for unpredictable traffic.

STORAGE	RAM	vCPU
5 GB	Shared	Shared

☒ **Free**
For learning and exploring MongoDB in a cloud environment.

STORAGE	RAM	vCPU
512 MB	Shared	Shared

✓ Free forever! Your free cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Configurations

Name

You cannot change the name once the cluster is created.

cu-bank

Provider



Region

Singapore (ap-southeast-1) ★

★ Recommended ⓘ Low carbon emissions ⓘ

Tag (optional)

Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)

Select or enter key : Select or enter value

Quick setup

☒ Automate security setup ⓘ

☐ Preload sample dataset ⓘ

I'll do this later

[Go to Advanced Configuration](#)

[Create Deployment](#)

6.เลือก deploy cluster : Free, Name : cu-bank, Provider : AWS แล้วกดปุ่ม Create Deployment

Connect to cu-bank


✓

2

3

Set up connection securityChoose a connection methodConnect


Connect to your application



Drivers
Access your Atlas data using MongoDB's native drivers (e.g. Node.js, Go, etc.)


>

Access your data through tools




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

>




Shell
Quickly add & update data using MongoDB's Javascript command-line interface

>



MongoDB for VS Code
Work with your data in MongoDB directly from your VS Code environment

>



Atlas SQL
Easily connect SQL tools to Atlas for data analysis and visualization

>

Go Back

Close

7.៣៥ Drivers

×

✓

✓

3

Set up connection securityChoose a connection methodConnect

Connecting with MongoDB Driver

1. Select your driver and version

We recommend installing and using the latest driver version.

Driver	Version
Node.js	6.7 or later

2. Install your driver

Run the following on the command line

```
npm install mongodb
```

[View MongoDB Node.js Driver installation instructions.](#)

3. Add your connection string into your application code

Use this connection string in your application

☐ View full code sample

```
mongodb+srv://rattasan:<db_password>@cu-bank.2b0bqcp.mongodb.net/?retryWrites=true&w=majority&appName=cu-bank
```

Replace **<db_password>** with the password for the **rattasan** database user. Ensure any option params are [URL encoded](#).

RESOURCES

[Get started with the Node.js Driver](#)

[Access your Database Users](#)

[Node.js Starter Sample App](#)

[Troubleshoot Connections](#)

Go Back

Done

8.កុំបំភ្លេច ចម្លង កំរាល connection string

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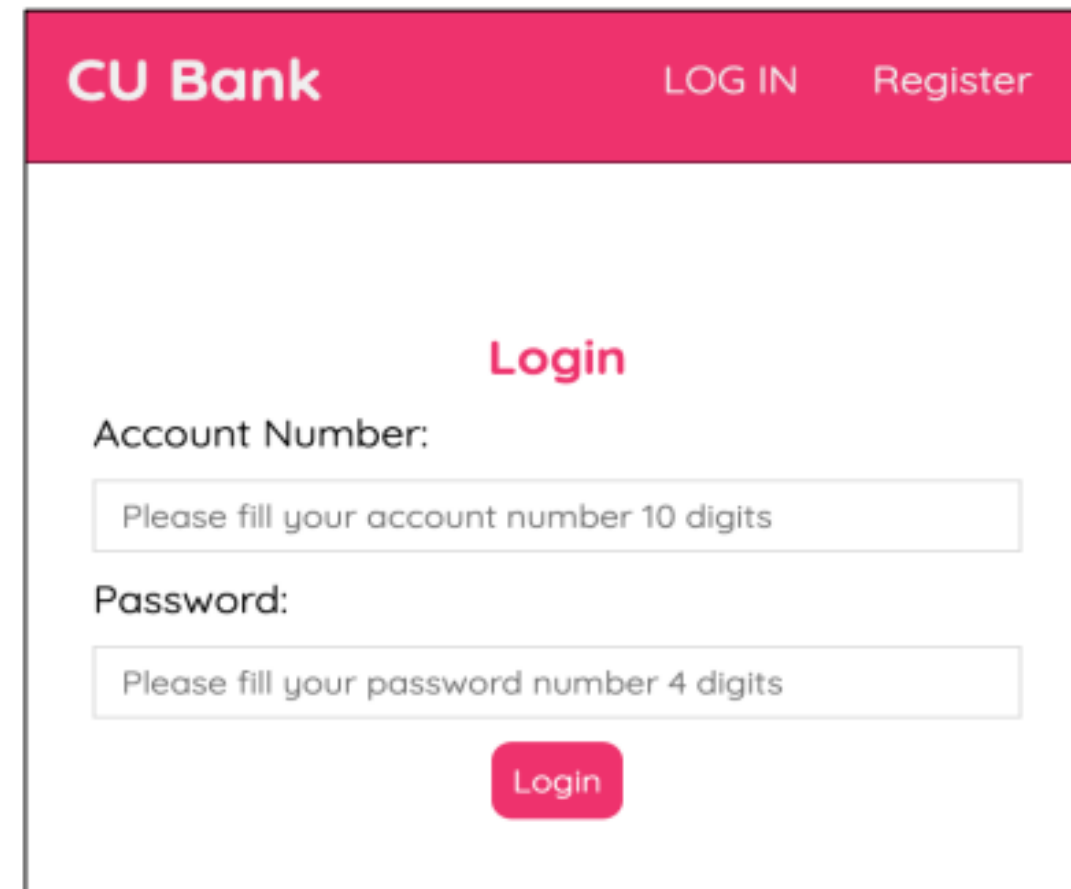
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11.ระบบ backend

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12.ระบบ frontend

- 1.เปิด terminal ไปที่ directory : frontend
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- 3.รับคำสั่งเพื่อเปิดการทำงานของ frontend ด้วยคำสั่ง
 - npm run start
- 4.เปิด url : http://localhost:3000 จะได้หน้า log in



หลักจากรันครบทั้ง 2 ระบบแล้ว ให้ทดสอบสร้าง account เพื่อตรวจสอบการทำงานของระบบ

Setup สำหรับ กรณีที่ต้องการใช้ MongoDB ร่วมกัน

Project Overview

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Rattasan's Org - 202...

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Description

0.0.0.0/0

CU Bank

Add My Current IP Address

Add Entry

IP Access List

Description

Finish and Close

กรอก IP Address : 0.0.0.0/0 , Description : CU Bank แล้วกดปุ่ม Add Entry

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