

# FSD Environment Setup

## VS Code:

Install VS Code using <https://code.visualstudio.com/download>

## Node Js:

Download and Install Node js using <https://nodejs.org/en/download>



**Download Node.js®**

Get Node.js® v22.14.0 (LTS) for Windows using fnm with npm

```
1 # Download and install fnm:
2 winget install Schniz.fnm
3
4 # Download and install Node.js:
5 fnm install 22
6
7 # Verify the Node.js version:
8 node -v # Should print "v22.14.0".
9
10 # Verify npm version:
11 npm -v # Should print "10.9.2".
```

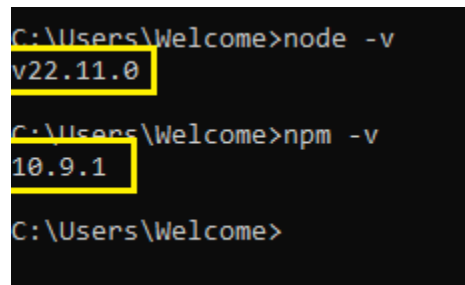
PowerShell [Copy to clipboard](#)

"fnm" is a cross-platform Node.js version manager. If you encounter any issues please visit [fnm's website](#)

Or get a prebuilt Node.js® for Windows running a x64 architecture.

[Windows Installer \(.msi\)](#) [Standalone Binary \(.zip\)](#)

Post installation verify installation using below commands.



```
C:\Users\Welcome>node -v
v22.11.0
C:\Users\Welcome>npm -v
10.9.1
C:\Users\Welcome>
```

You should get the version number you have installed, if the installation is success. If not re-install again.


## Angular CLI:

Download and Install Node js using the command: *npm install -g @angular/cli*

```
C:\Users\Welcome>npm install -g @angular/cli_
```

Post installation verify installation using below commands.

```
C:\Users\Welcome>ng version
```



```
Angular CLI: 19.0.1
Node: 22.11.0
Package Manager: npm 10.9.1
OS: win32 x64

Angular:
...

Package      Version
-----
@angular-devkit/architect    0.1900.1 (cli-only)
@angular-devkit/core         19.0.1 (cli-only)
@angular-devkit/schematics   19.0.1 (cli-only)
@schematics/angular          19.0.1 (cli-only)
```

```
C:\Users\Welcome>
```

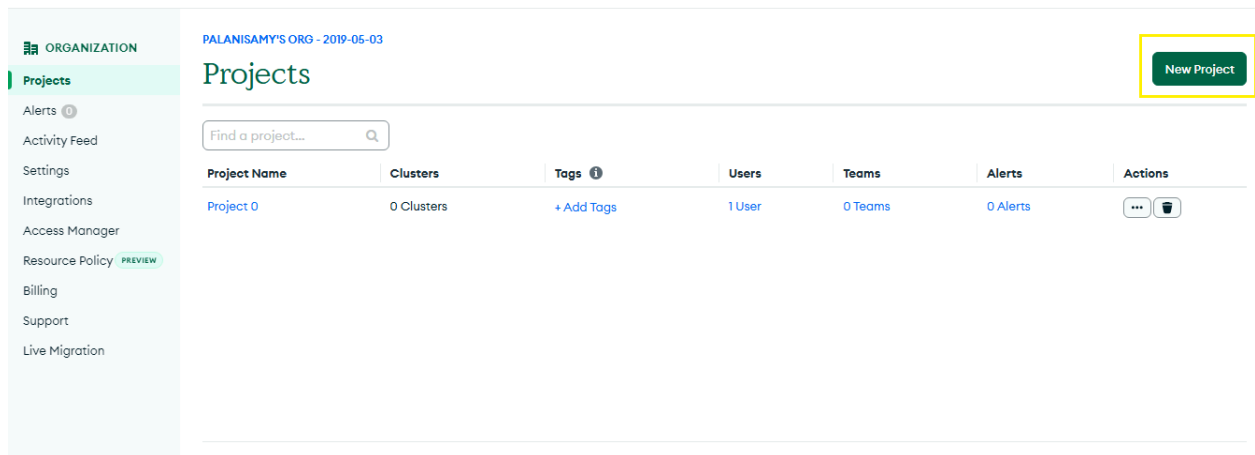
Just in case if you get the below error “ng is not recognized as an internal or external command”, update the path variable as shown here -

<https://stackoverflow.com/a/46066042>

## Create MongoDB Atlas Account:

Create an account in the mongodb atlas portal - <https://www.mongodb.com/cloud/atlas/register>

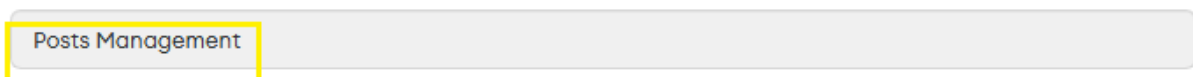
Create a new project in “Projects” tab



Enter the name for your project and click “Next”

## Name Your Project

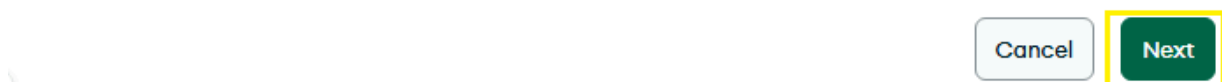
Project names have to be unique within the organization (and other restrictions).



## Add Tags (Optional)

Use tags to efficiently label and categorize your projects. A project can have a maximum of 50 tags. You can modify tags for the project later. [Learn more](#)

Key	Value	Actions
<input type="text" value="Select a key or enter your own"/>	:	<input type="text" value="Select a value or enter your own"/>
<input type="button" value="+ Add tag"/>		<input type="button" value="🗑"/>
		0 TAGS



You should be assigned as owner of the project. Click on “Create Project”

# Create a Project

✓ Name Your Project

Add Members

## Add Members and Set Permissions

Invite new or existing users via email address...

Give your members access permissions below.

yourmail@gmail.com (you)

Project Owner

Back

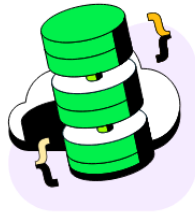
Cancel

Create Project

## Create a "Cluster"

PALANISAMY'S ORG - 2019-05-03 > POSTS MANAGEMENT

### Overview



#### Create a cluster

Choose your cloud provider, region, and specs.

+ Create

#### Toolbar

##### Featured Resources

GENERAL

[Get Started with Atlas](#)

[Reference MongoDB Documentation](#)

[Develop Applications with the Developer Center](#)

[Ask the MongoDB Community](#)

##### New On Atlas

8 NEW

[Activate Windows](#)

Learn about the latest feature enhancements on Atlas.  
Go to Settings to activate Windows.

## 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** **\$0.08/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 application 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.

Cluster1

#### Provider



#### Region

India Mumbai (ap-south-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

Post this step, you will get below popup. Just close the popup for now.

×

## Connect to Cluster1

1

2

3

Set up connection securityChoose a connection methodConnect

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](#)

- Add a connection IP address**

✓ Your current IP address (103.224.35.111) 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](#).
- Create a database user**

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

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

**Username**

ex. dbUser

**Password**

ex. dbUserPassword

HIDE

Copy

Create Database User

Close

Choose a connection method

Give sometime for the cluster creation

Overview

DATABASE

Clusters

SERVICES

Atlas Search

Stream Processing

Triggers

Migration

Data Federation

SECURITY

Quickstart

Backup

Database Access

Network Access

Advanced

New On Atlas 8

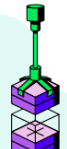
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## Overview

Clusters

Create cluster ...

Cluster1



Your cluster is being created...

+ Add Tag

Toolbar

Featured Resources

GENERAL

[Get Started with Atlas](#)

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[Ask the MongoDB Community](#)

New On Atlas

8 NEW

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Support

Activate Windows

Go to Settings to activate Windows.

Support Plan: Basic Plan