# **Node Goat Lab Set Up**

The OWASP NodeGoat project provides an environment to learn how OWASP Top 10 security risks apply to web applications developed using Node.js and how to effectively address them.

https://wiki.owasp.org/index.php/Projects/OWASP Node is Goat Project

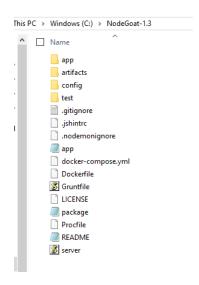
The latest release is available at

https://github.com/OWASP/NodeGoat/releases/tag/v1.3

1. Download the project archive from

https://github.com/OWASP/NodeGoat/archive/refs/tags/v1.3.zip

## 2. Extract to C:\



- 3. Review the application configuration and code.
- 4. Open the file C:\NodeGoat-1.3\config\env\development.js

Uncomment the following line and save it.

// db: "mongodb://localhost:27017/nodegoat",

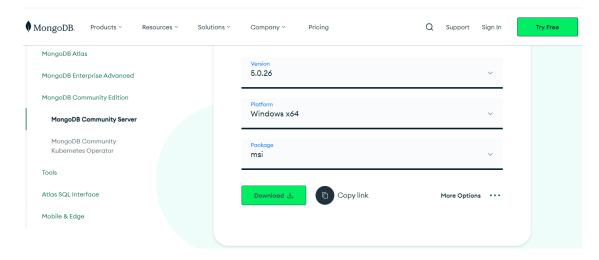
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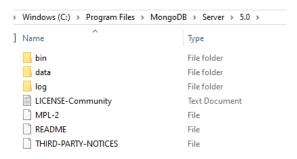
5. Let us use a local MongoDB instance for this application. Download and Install MongoDB version 5.

Go to <a href="https://www.mongodb.com/try/download/community">https://www.mongodb.com/try/download/community</a>

Select a package **version**: **5.0.26**, **Platform: Windows x64** and download the **msi** package distribution.



6. Install MongoDB 5.



7. Open a command window, change directory to MongoDB server/bin For example:

#### cd C:\Program Files\MongoDB\Server\5.0\bin

```
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.

C:\Users\saravanan>title MongoDB Server V 5.0

C:\Users\saravanan>cd C:\Program Files\MongoDB\Server\5.0\bin

C:\Program Files\MongoDB\Server\5.0\bin>_
```

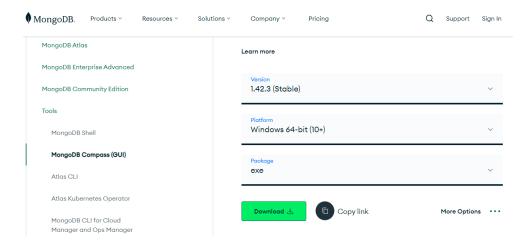
8. Type the following command to start MongoDB server

#### mongod



9. Download MongoDB Compass GUI tool from the following URL and install it.

#### https://www.mongodb.com/try/download/compass



10. Open MongoDB Compass, connect to MongoDB server running on localhost:27017



11. Open a command window, change directory to NodeGoat project.

#### cd C:\NodeGoat-1.3

```
■ Nodegoat Project
Microsoft Windows [Version 10.0.19045.4170]
(c) Microsoft Corporation. All rights reserved.
C:\Users\saravanan>title Nodegoat Project
C:\Users\saravanan>cd C:\NodeGoat-1.3
C:\NodeGoat-1.3>
```

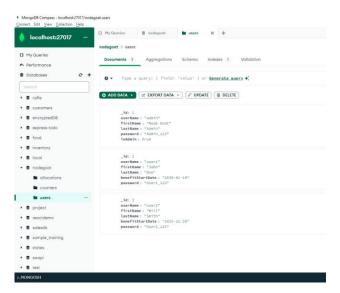
12. Run the npm command to install dependencies. Type the command

## npm install

13. Populate MongoDB with seed data required for the app using the following npm script command

## npm run db:seed

14. Use the MongoDB Compass to verify the database **nodegoat** and view its collections



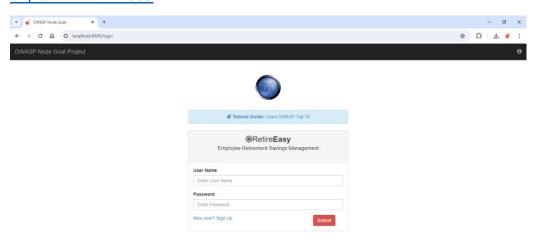
15. In the command window, Start the server using the command: npm start

## npm start



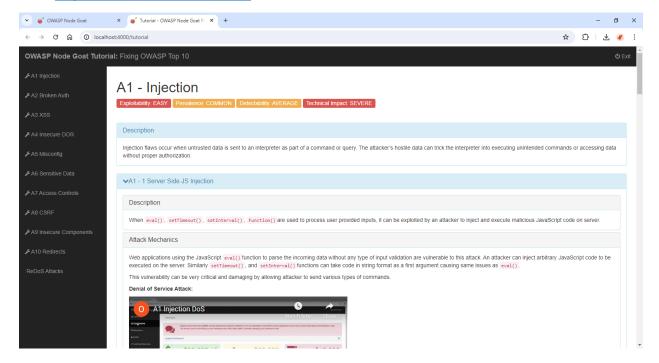
16. Open a browser, go to application page

#### http://localhost:4000



## 17. Open the tutorial page

## http://localhost:4000/tutorial



18. Open the project in Visual Studio code and review the code.