

Basic things to start a project

Npm init -y

Npm install -d typescript

Npx tsc --init

Change the comments in the file for src and out directory

and create index.ts file inside the src folder

for express add this too in the tsconfig file

```
// See also https://aka.ms/tsconfig/modules

"module": "nodenext",
"target": "esnext",
"types": ["node"],
// For nodejs:
// "lib": ["esnext"],
// "types": ["node"],
```

```
1 // import express from "express";
2
3 const express = require("express");
4 const app = express();
```

upper one is the new syntax and below one is the older one

To use the express module in ts you have to create a d.ts file to store the types for the variables

// @ts-ignore – To just ignore all the errors

```
TS index.ts • tsconfig.json X
31 // noUnusedParameters: true,
32 // "noFallthroughCasesInSwitch": true,
33 // "noPropertyAccessFromIndexSignature": true,
34
35 // Recommended Options
36 "strict": true,
37 "jsx": "react-jsx",
38 "verbatimModuleSyntax": false,
39 "isolatedModules": true,
40 "noUncheckedSideEffectImports": true,
41 "moduleDetection": "force",
42 "skipLibCheck": true,
43 }
44 }
```

Sometimes the verbat this get enabled which stops the express to work you can disable that in tsconfig file

To bring the types of the express file use the command

```
npm install -d @types/express
```

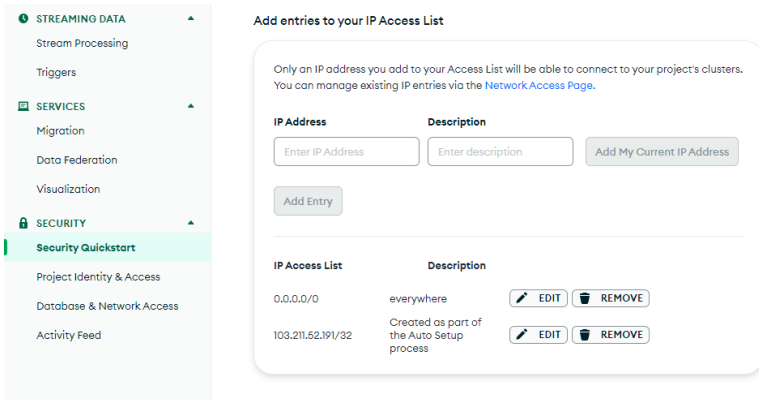
for eg for jsonwebtoken the declaration file we can bring using:

```
npm install @types/jsonwebtoken
```

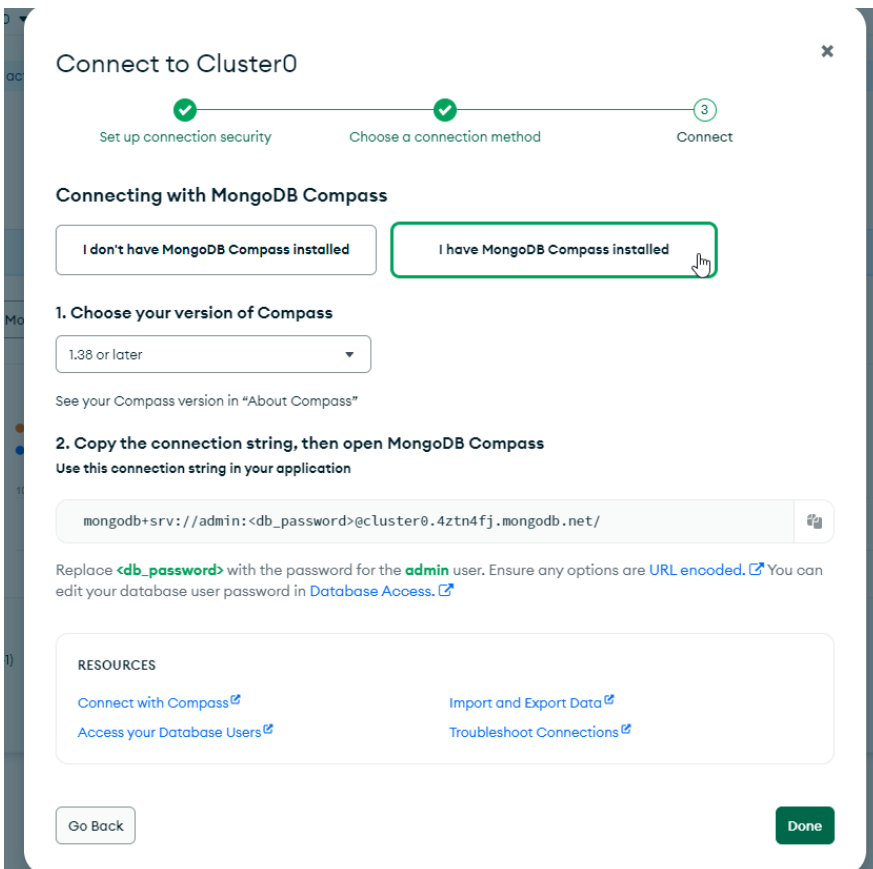
and in code just use

```
import jwt from "jsonwebtoken";
```

for adding a mongo db server:



And after this create the id and password and copy the id



And then copy this and add to mongo db compass and then paste the url