

## Setup Manual for Image Processing Toolkit

1. Install all the necessary modules (you will get some errors and it's fine):

*npm install*

2. Edit the imagej modules. In the node\_modules folder, navigate to the folder imagej, and edit the index.js file like the following at java.asyncOptions:

```
if (!java.asyncOptions) {  
  java.asyncOptions = {  
    asyncSuffix: "Later",  
    syncSuffix: "",  
    promiseSuffix: "Promise",  
    promisify: require("when/node").lift  
  }  
}
```

3. Install ImageJ Fiji version: <https://imagej.net/Downloads> at ANY location. But remember to change the path in the .env file.
4. Edit .env file.
5. Install Java JDK 1.8 and add it to the system variables path. After that, install Java JDK 13.0.1.
6. Install node-gyp globally:  
*npm i -g node-gyp*
7. Install windows-build-tools using cmd or PowerShell as administrator:  
*npm i --global --production windows-build-tools*
8. Add python 2.7 to the system variables path and set it in the settings of npm:  
*npm config set python /path/to/executable/python*

9. Use node.js version 11.6.0 for compatibility

10. Run npm install again

*npm install*

11. Launch MongoDB at MongoDB location:

*Mongod*

12. Create uploads folder at the root directory

13. Run using npm start (not node server.js)