



# HackVerse 2.0

National Institute of Technology Karnataka, Surathkal  
Srinivasanagar, 575025, Mangalore INDIA

## Installation Guide for Workshop

## Make with HackVerse: Secure Chat Application with WebSockets

### 1. Install Nodejs for windows([Link](#))

Go to the above link and install nodejs with default options, keep clicking next till finish

The screenshot shows the Node.js website. At the top is the Node.js logo and a navigation bar with links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. Below the navigation bar is a dark banner with the text "Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine." and a "#BlackLivesMatter" button. Below this is a green banner with the text "The OpenJS World CFP is open until Feb 15 - submit your talk ideas!". The main content area is titled "Download for Windows (x64)" and features two green buttons: "14.15.5 LTS Recommended For Most Users" and "15.8.0 Current Latest Features". At the bottom, there are links for "Other Downloads | Changelog | API Docs" and a note: "Or have a look at the Long Term Support (LTS) schedule."



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## 2. Install Nodejs for Linux

\$ sudo apt install nodejs

```
> sudo apt install nodejs
[sudo] password for gkc:
Reading package lists... Done
Building dependency tree
Reading state information... Done
nodejs is already the newest version (10.19.0~dfsg-3ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 136 not upgraded.
```

## 3. Install express-generator

To install express-generator

\$ npm install -g express-generator

(make sure you have admin access to write in node\_module)

or

\$ sudo npm install -g express-generator

```
> sudo npm install -g express-generator
npm WARN deprecated mkdirp@0.5.1: Legacy versions of mkdirp are no longer supported. Please update to mkdirp 1.x. (Note that the API surface has changed to use Promises in 1.x.)
/usr/local/bin/express -> /usr/local/lib/node_modules/express-generator/bin/express-cli.js
+ express-generator@4.16.1
added 10 packages from 13 contributors in 4.96s
```



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## SETTING UP YOUR FIRST APPLICATION on node js

1. Now in a new terminal type “ **express --view=ejs demo** ” (demo is the name of your app)

```
> express --view=ejs demo

create : demo/
create : demo/public/
create : demo/public/javascripts/
create : demo/public/images/
create : demo/public/stylesheets/
create : demo/public/stylesheets/style.css
create : demo/routes/
create : demo/routes/index.js
create : demo/routes/users.js
create : demo/views/
create : demo/views/error.ejs
create : demo/views/index.ejs
create : demo/app.js
create : demo/package.json
create : demo/bin/
create : demo/bin/www

change directory:
$ cd demo

install dependencies:
$ npm install

run the app:
$ DEBUG=demo:* npm start
```

2. Now go to the /demo folder run “ **npm install** ”

```
> cd demo
> npm install
npm notice created a lockfile as package-lock.json. You should commit this file.
added 54 packages from 38 contributors and audited 55 packages in 7.315s
found 0 vulnerabilities
```

3. Now run the server with “ **npm start** ”

```
> npm start

demo@0.0.0 start /mnt/d/practice/open_source/workshop/demo
> node ./bin/www

Server is running at http://localhost:3000
```

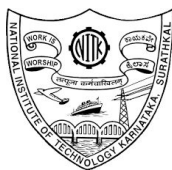


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4. In your web browser type “ <http://localhost:3000> “





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**You are all set. See you at the workshop!**

**YouTube URL:** <https://youtu.be/bQLutm4hS6w>

**Date and Time:** 14th February, 2021 at 4:00 pm

## Links for workshop

- [Static Files for workshop](#)
- [Final application](#)
- [Passport OAuth docs](#)
- [Google Console](#)
- [MongoDB](#)
- [Socket.io Server Docs](#)
- [Socket.io Client Docs](#)

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