**How to setup Nodejs on Ubuntu**

SSH to your VM

Get the VM IP address by typing

student@vmubuntu18:~$ **ip addr**

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: ens160: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc mq state UP group default qlen 1000

link/ether 00:0c:29:3e:06:67 brd ff:ff:ff:ff:ff:ff

inet **10.10.192.87**/20 brd 10.10.207.255 scope global dynamic ens160

valid\_lft 2930sec preferred\_lft 2930sec

inet6 fe80::20c:29ff:fe3e:667/64 scope link

valid\_lft forever preferred\_lft forever

<<<<<<<<<<<< student@vmubuntu18:~$ ip addr

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: ens160: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc mq state UP group default qlen 1000

link/ether 00:0c:29:0b:58:83 brd ff:ff:ff:ff:ff:ff

inet 10.10.193.142/20 brd 10.10.207.255 scope global dynamic ens160

valid\_lft 1915sec preferred\_lft 1915sec

inet6 fe80::20c:29ff:fe0b:5883/64 scope link

valid\_lft forever preferred\_lft forever >>>>>>

**10.10.193.142**

Make a note of the IP address that is in bold – for this example **10.10.192.87 yours will be different**

1. Install curl in case it is not installed on your VM

~$**sudo apt install curl**

1. Get the latest stable version of nodejs

~$**curl -sL https://deb.nodesource.com/setup\_8.x | sudo bash -**

1. Install Nodejs on the VM

~$**sudo apt install nodejs**

1. Use the commands below to view the version number installed

~$**node -v**

~$**npm -v**

1. To test the installation, create a file and call it **index.js**

See page two (2) for the contents to include in index.js

1. Start the Nodejs service

~$**sudo node index.js**

1. Test nodejs in a browser – nnnn is the port assigned to your VM Nodejs

<http://myvmlab.senecacollege.ca:nnnn/>

1. You should see the following in your browser:

**Hello World**

~$**sudo nano index.js**

cut & paste the following lines in **index.js**

Replace **127.0.0.1** with the IP address from page one (1)

const http = require('http');

const hostname = **'127.0.0.1'**;

const port = 10034;

const server = http.createServer((req, res) => {

res.statusCode = 200;

res.setHeader('Content-Type', 'text/plain');

res.end('Hello World\n');

});

server.listen(port, hostname, () => {

console.log(`Server running at http://${hostname}:${port}/`);

});

**Save the file**

**Go to step 6 on page one (1)**

To kill the Nodejs service, use

~$**sudo pkill -9 node**

To restart Nodejs service, use

~$**sudo node index.js**