

# **WA2533 Angular 2 Programming**

## **Classroom Setup Guide**

**Web Age Solutions Inc.**

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## **Part 1 - Minimum Hardware Requirements**

- 3GB RAM minimum, 4 GB + recommended
- 10 GB in the hard disk
- Internet connection

## **Part 2 - Minimum Software Requirements**

- Windows OS: Windows Vista / 7.
- Latest Google Chrome browser
- nginx \*
- Notepad+ \*
- Nodejs \*

\* - indicates software provided as part of the courseware.

## **Part 3 - Software Provided**

You will receive the following file:

- **WA2533.ZIP**

All other software listed under Minimum Software Requirements is either commercially licensed software that you must provide or software that is freely available off the Internet.

## Part 4 - Instructions

\_\_1. Make sure the account that you are using to install the software has administrative privileges and the student using this machine will have the same rights.

\_\_2. Extract the **ZIP** file to **C:\**

\_\_3. Review that the following folders were created:

- **C:\LabFiles\**
- **C:\Software\**
- **C:\Software\nginx-1.4.3\**
- **C:\Software\NodeJS4.4.4**
- **C:\Software\NotepadPlus\**

\_\_4. Make sure the **C:\Software** and **C:\LabFiles** folders are **writable** by the students, if they are read-only then the software won't work and students will have problems during the labs.

\_\_5. Download and install the latest Google Chrome browser from:

<https://www.google.com/intl/en/chrome/browser>

## Part 5 - Nginx

\_\_1. Disable any service using Port 80 to be able to run Nginx, if you have IIS or other service running, stop and disable them.

\_\_2. Switch to the user that the students will use during the course.

\_\_3. Open the Command Prompt window and type in the following command at the prompt and press **ENTER** (execute the command):

```
cd C:\Software\nginx-1.4.3
```

This command will change directory to where the *nginx* web server resides (represented by the *nginx.exe* file).

\_\_4. Start the nginx web server by executing the following command:

```
start nginx
```

This command will launch the *nginx* web server that starts listening on port 80. Allow access if the Firewall window appear.

\_\_5. If you are prompted for the admin password, enter it to allow the software to run.

\_\_6. Open Google Chrome browser and navigate to **http://localhost**

You should see the *nginx* welcome page.

### Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

\_\_7. Close Chrome browser.

\_\_8. In the Command Prompt window where you started the *nginx* web server, type in

the following command at the prompt and press **ENTER**:

```
nginx -s stop
```

This command will stop the web server.

\_\_9. Switch back to the admin user.

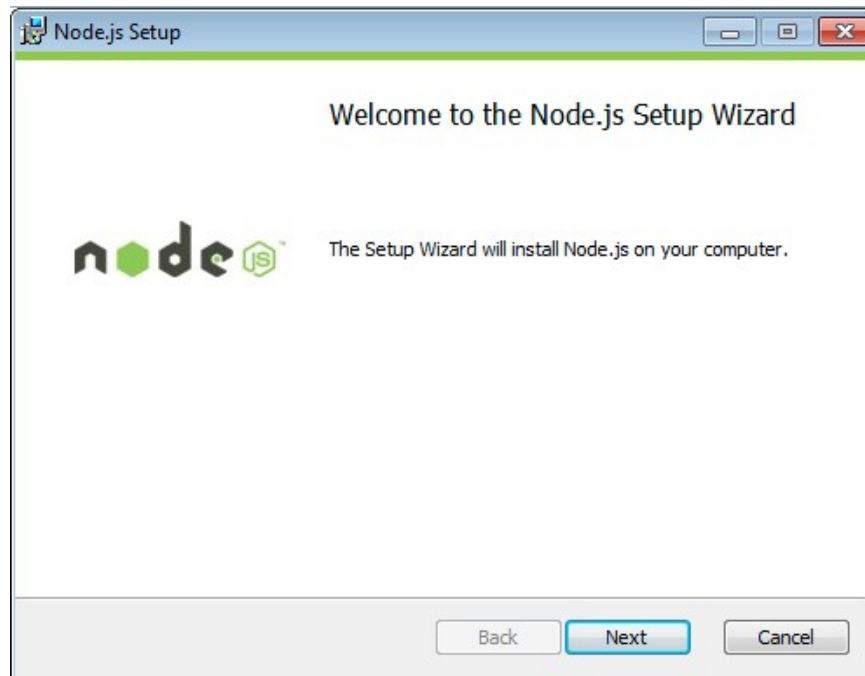
Nginx is installed.

## Part 6 - Installing Node.js 4.4.4

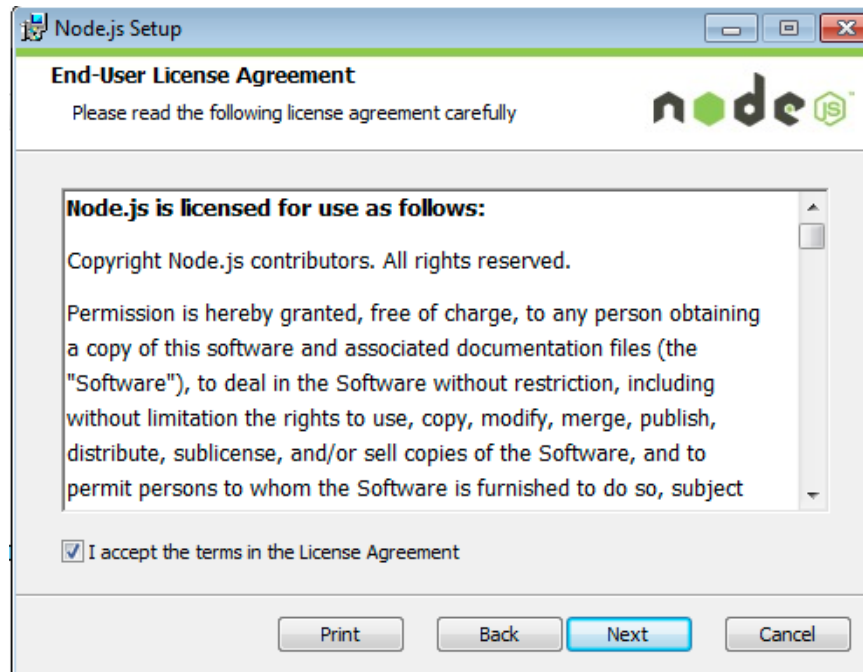
\_\_1. Open **C:\Software\NodeJS4.4.4**

\_\_2. Double click **node-v4.4.4-x86.msi** to begin installation.

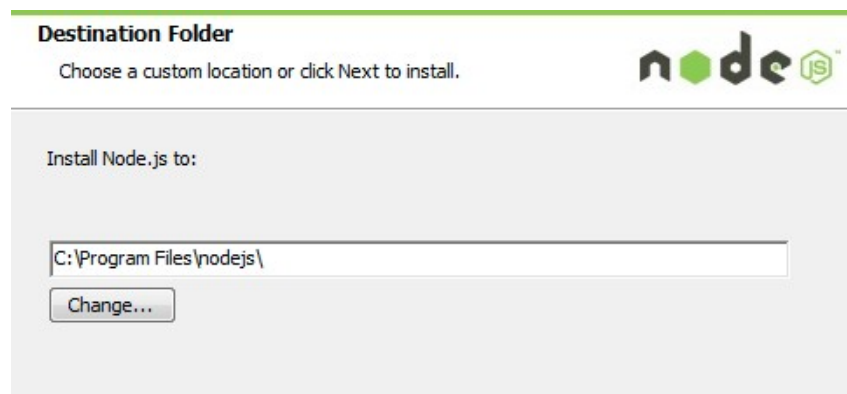
\_\_3. Click **Next**.



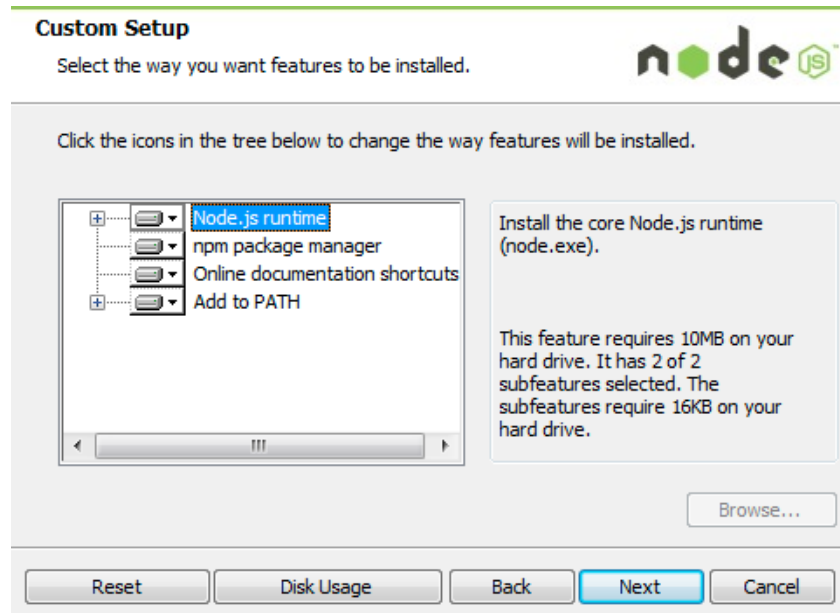
\_\_4. Check **I accept the terms...** and click **Next**.



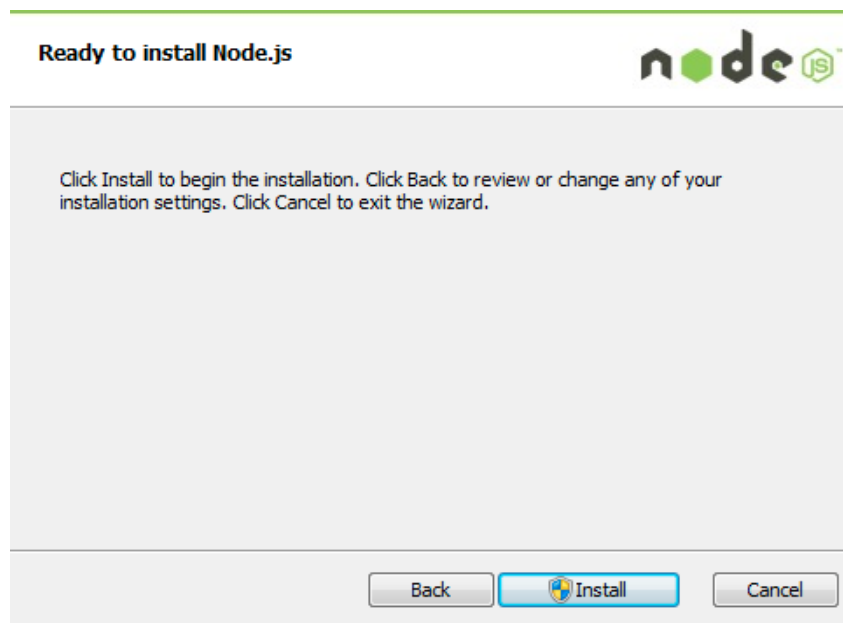
\_\_5. Accept default destination folder and click **Next**.



\_\_6. Accept default package selection. Click **Next**.

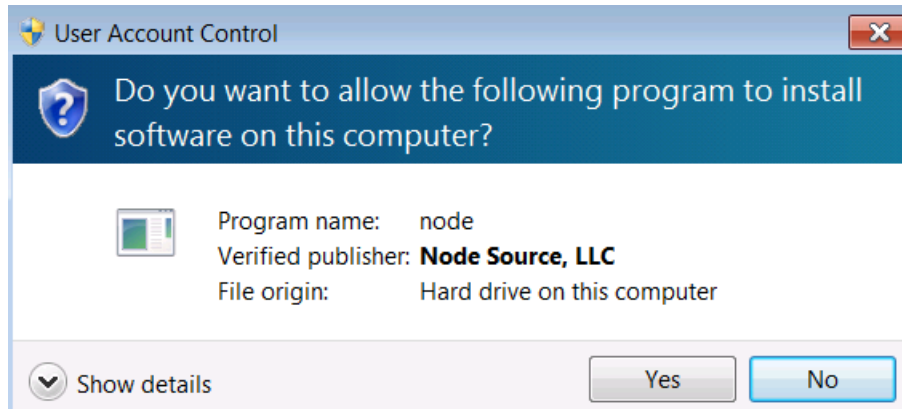


\_\_7. Click **Install**.

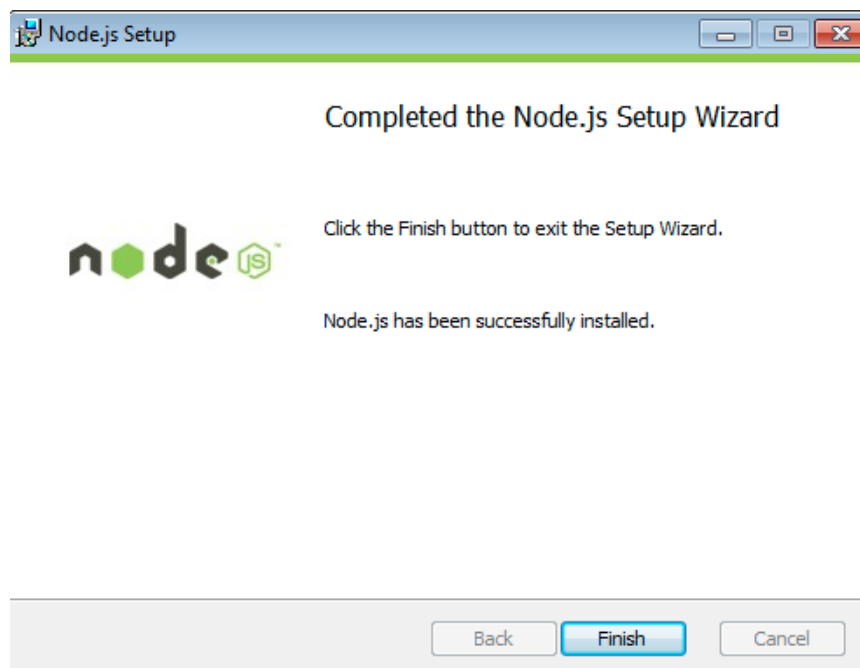


\_\_8. A popup window may open asking to install the software. Click Yes to continue.





\_\_9. Click **Finish**.



### Installation verification of Node.js

\_\_1. Open a command prompt window.

\_\_2. Enter the command:

**node --version**

\_\_3. Make sure that you see **v4.4.4** as the output.

```
C:\Users\wasadmin>node --version  
v4.4.4
```

\_\_\_4. Close all.

## **Part 7 - Summary**

**You have successfully installed the software for this course!**

If you have any question please contact us by email at [support@webagesolutions.com](mailto:support@webagesolutions.com)

From US and Canada call: 1-877-812-8887 ext. 26

International call: 416-406-3994 ext. 26