**Node.js, Express.js Workshop Setup Instructions**

**Following are the steps for installation of Node.js, Express.js related software on Windows systems.**

Please read the complete instructions and **follow exactly as per the instruction and install exactly in the mentioned folders.**

**Note:    <Drive>:  mentioned below is C: or D: or E: or F: etc. wherever space is available for installation.**

1. Install Node.js [ **node-v4.4.7-x86.msi**  - Windows 32 bit installer ].
   1. <https://nodejs.org/dist/v4.4.7/node-v4.4.7-x86.msi>
2. Install Notepad++ 6.9.2 [ **npp.6.9.2.Installer.exe** ].
   1. <https://notepad-plus-plus.org/repository/6.x/6.9.2/npp.6.9.2.Installer.exe>
3. Install the latest version of **Google Chrome**.
4. Create a folder **nodejs\_workshop** under **<Drive>:\**
5. Create a directory “**code**” under **<Drive>:\nodejs\_workshop. [**During the Webex session on **Node.js**, while trying out each concept, you can create a separate sub-folder under **“code”** to try out each concept.]
6. If not present, create the folder “npm” under C:\Users\<username>\AppData\Roaming.    If the folder “AppData” is not shown, Go to File Explorer | Organize | Folder and search options | View tab. **Click** on the radio button **“Show hidden files, folders, and drives”**.
7. Goto “**Node.js command prompt**”. (**Use  the shortcut** present under the “Node.js” traversed through “Start | All Programs”.
   1. Change directory to **<Drive>:\nodejs\_workshop**
8. **IMPORTANT NOTE:** This step is required only if you are installing behind Wipro proxy. **Otherwise, do not issue the below commands.**

**If behind Wipro proxy**, Configuring proxy for node.js is important using npm config. Only if **proxy** is configured, “npm  install” will work properly.

* **npm config set proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://ADUserID:ADpassword@proxyname:port)
* **npm config set https-proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://LDAP-ADUserID:LDAP-ADpassword@proxyname:port)

If the ADpassword contains special characters like @#$% etc., refer the link <http://www.w3schools.com/tags/ref_urlencode.asp> to mention the character in encoded form. For example, if **@** is present in password, it should be mentioned as **%40**

* **IMPORTANT (OPTIONAL STEP – NOT A REGULAR ONE) :** In case, you have already set the proxy config wrongly and want to run the remaining commands from Direct Connection To Internet, then to delete the proxy configuration, execute the following commands.
  + **npm config delete proxy**
  + **npm config delete https-proxy**

1. Create a folder **expressjs\_workshop** under **<Drive>:\**
2. Goto “**Node.js command prompt”.**
   1. Change directory to **<Drive>:\expressjs\_workshop**
3. Run the following commands

[**Note:** Do not copy paste the command from this Word document. Type the command manually].

npm install -g express-generator@4.13.1

npm install -g nodemon@1.8.1

express demo

1. **Change directory** to **<Drive>:\expressjs\_workshop\demo**

npm install

npm install --save express-session@1.13.0

1. During the Webex session on **Express.js**, while trying out each concept, you can create a separate sub-folder under **“demo”** to try out each concept.

**Steps to check if the installation is proper**

1. Goto “**Node.js command prompt”.**
   1. Change directory to **<Drive>:\expressjs\_workshop\demo**
2. Run **“npm start”**
3. Open Google Chrome
4. Type the URL <http://localhost:3000>
5. It should display “**Express**   Welcome to Express”.