# Endeavour Enterprise Setup Guide

Guide to setting up a PC (Windows 7) for development of the Enterprise product.

## Git and Node.js

<https://nodejs.org/en/>

<http://git-scm.com/>

## Setting Up Apache

Download

## Install IntelliJ

Download from <https://www.jetbrains.com/idea/>

Currently (Feb 2016) offers a free 30-day trial and then a 50% discount for start-ups.

When at the Default Plugins page, I disabled EVERYTHING except:

* Version control -> Git
* Version control -> GitHub
* Database Tools
* Tomcat
* <<<need to list all required plugins>>>

After installation, close IntelliJ

## Download Repo

Open Cmd and navigate to wherever you want the Enterprise project to be.

Clone to remote repository from GitHub using the command:

git clone https://github.com/endeavourhealth/Enterprise.git

This should clone the remote repo and put all the source etc. on your local machine.

## Bower

Use cmd and run “npm install -g bower”

Once bower is installed, run bower to download all the js libraries;

In cmd, go to …Enterprise\src\enterprise-web\src\main\web (look for bower.json file)

Run “bower install”

## TypeScript

Once nodejs is installed, use cmd to run command “npm install -g typescript”

## Back to IntelliJ

Start IntelliJ, select to open a project

Select the Enterprise\src\.idea folder

This should open the project – open the Project view in IntelliJ and you should see enterprise-code and enterprise-web both shown.

### Create Run Configuration

Open Run->Edit Configurations. Click +, then Tomcat Server->Local to create the configuration. Select the Deployment tab then click + and select the Artefact you just created. Click ok.

## Connecting to Local SQL Server

Install SQL Server (or SQL Server EXPRESS)

Note whether you opted to install with an instance name or not (SQL EXPRESS defaults to having the instance name SQLEXPRESS)

Ensure both the SQL Server and SQL Server Browser services are running

Open SQL Server Configuration Manager

Expand SQL Server Network Configuration -> Protocols for SQLEXPRESS (or similar)

You should see TCP/IP shown on the right

Right-click and change to Enabled

Right-click and select Properties

Select IP Addresses tab

Scroll to the bottom and find the IP ALL section, then enter 1433 into the TCP Port field

Ok dialog and close Configuration Manager

Change connection string in Configuration class to be:

jdbc:jtds:sqlserver://127.0.0.1:1433/Endeavour\_Enterprise;instance=SQLEXPRESS;Network Library=dbmslpcn;user=Endeavour\_Enterprise\_ApplicationUser;password=TheQuickBrownFox1234%^&\*

Note: instance=SQLEXPRESS should be omitted or amended depending on your instance name

# Ubuntu

## SSH client

Download PuTTY from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html

## Installing Java 8

First, use this to test if Java is already installed:

Java -version

If not installed, run:

Sudo apt-get update

Sudo apt-add-repository ppa:webupd8team/java

Sudo apt-get install oracle-java8-installer

Java-version

- for Oracle Java 8: <http://www.webupd8.org/2012/09/install-oracle-java-8-in-ubuntu-via-ppa.html>

<http://www.webupd8.org/2015/02/install-oracle-java-9-in-ubuntu-linux.html>



