# 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

Bower requires Git and Node.js to be installed

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

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

Once these are installed, 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

When prompted to create, open or import a project, select to “Check out from Version Control”, and use the GitHub option to clone the Enterprise repo on GitHub. Once this has completed, answer NO when asked if you want to create a project from the source.

Then select Import Project. Select to src/enterprise-web/src/pom.xml. Go through the pages without changing anything.

### Create Artefact

Open File->Project Structure, and select Artifacts. Add a new Web Application: Exploded artefact. Right-click on enterprise-web and select Put into Output Root, to move everything to the left-hand side. Right-click on <output root> on the left and select Add Copy Of->Directory Content then select src/enterprise-web/src/main/web

### 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.

~~When prompted to create a new project, import a project etc., selected “Check out from Version Control”, then selected GitHub, entering GitHub username and password~~

~~Set up a master password (which is used to protect the GitHub password on your local PC)~~

~~On the Clone Repository dialog, you should be able to see~~ [~~https://github.com/endeavourhealth/Enterprise.git~~](https://github.com/endeavourhealth/Enterprise.git) ~~in the first combo box. Select this. Then set up the local folder to clone the repository to and click “Clone”. This should now clone the GitHub repository to your local machine.~~

~~Click Next through all the remaining steps~~

~~Once in IntelliJ, you’ll need to open the Module for the server-side code. Click File -> New -> Module from existing sources… then select src/enterprise/enterprise.iml~~

## 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

## ~~IntelliJ REST Testing~~

~~In IntelliJ, open File->Settings and go to the Plugins page~~

~~Go to find the REST Client plugin and turn it on~~

~~Ok and restart IntelliJ~~

[~~https://www.jetbrains.com/idea/help/testing-restful-web-services.html~~](https://www.jetbrains.com/idea/help/testing-restful-web-services.html)