Rapidly Building Apps on the Cloud

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Exercise 6b – Working with Node using Eclipse

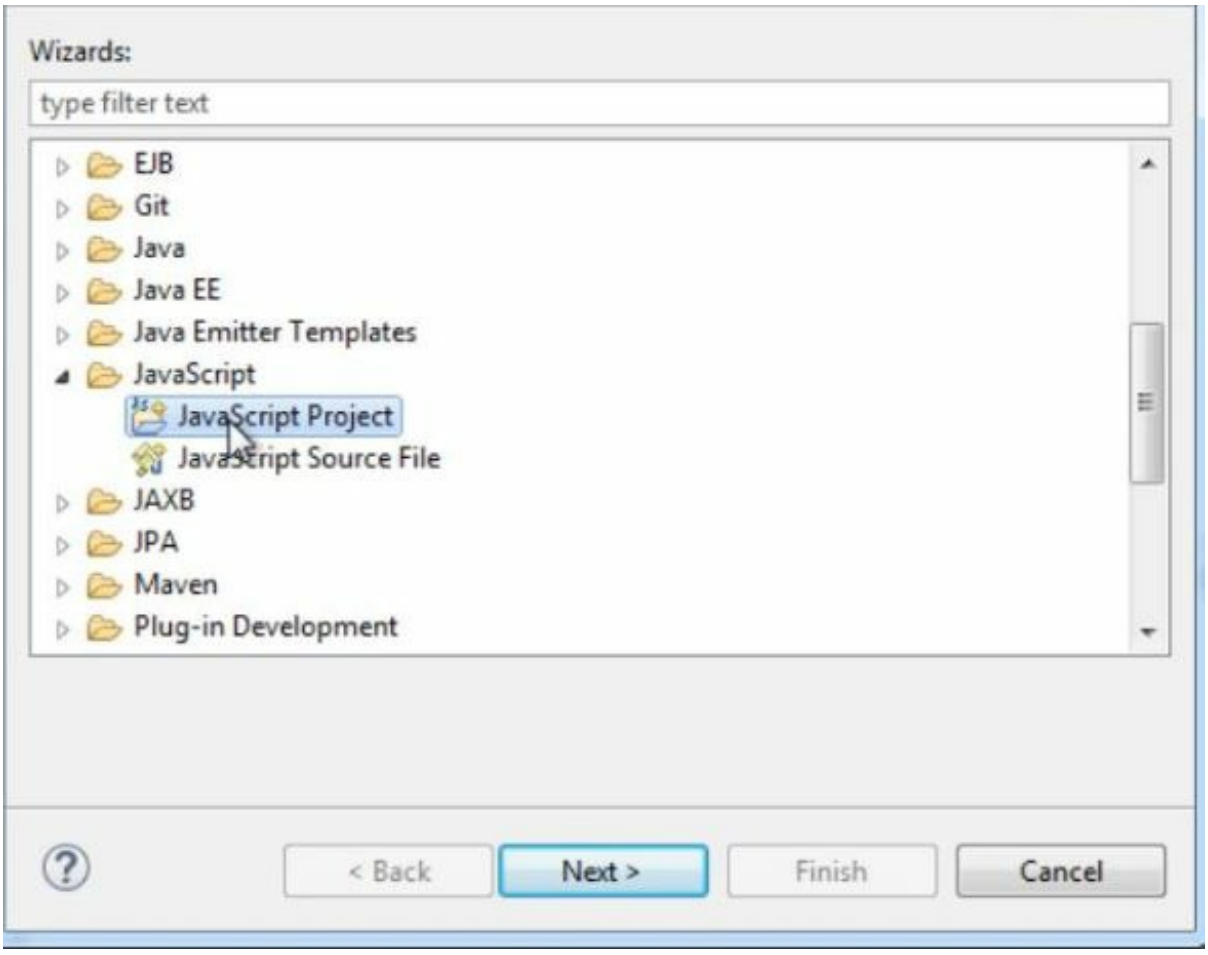
Section 6, Lecture 32

In this exercise you will use Eclipse to create a Node.js application then deploy it to Bluemix.

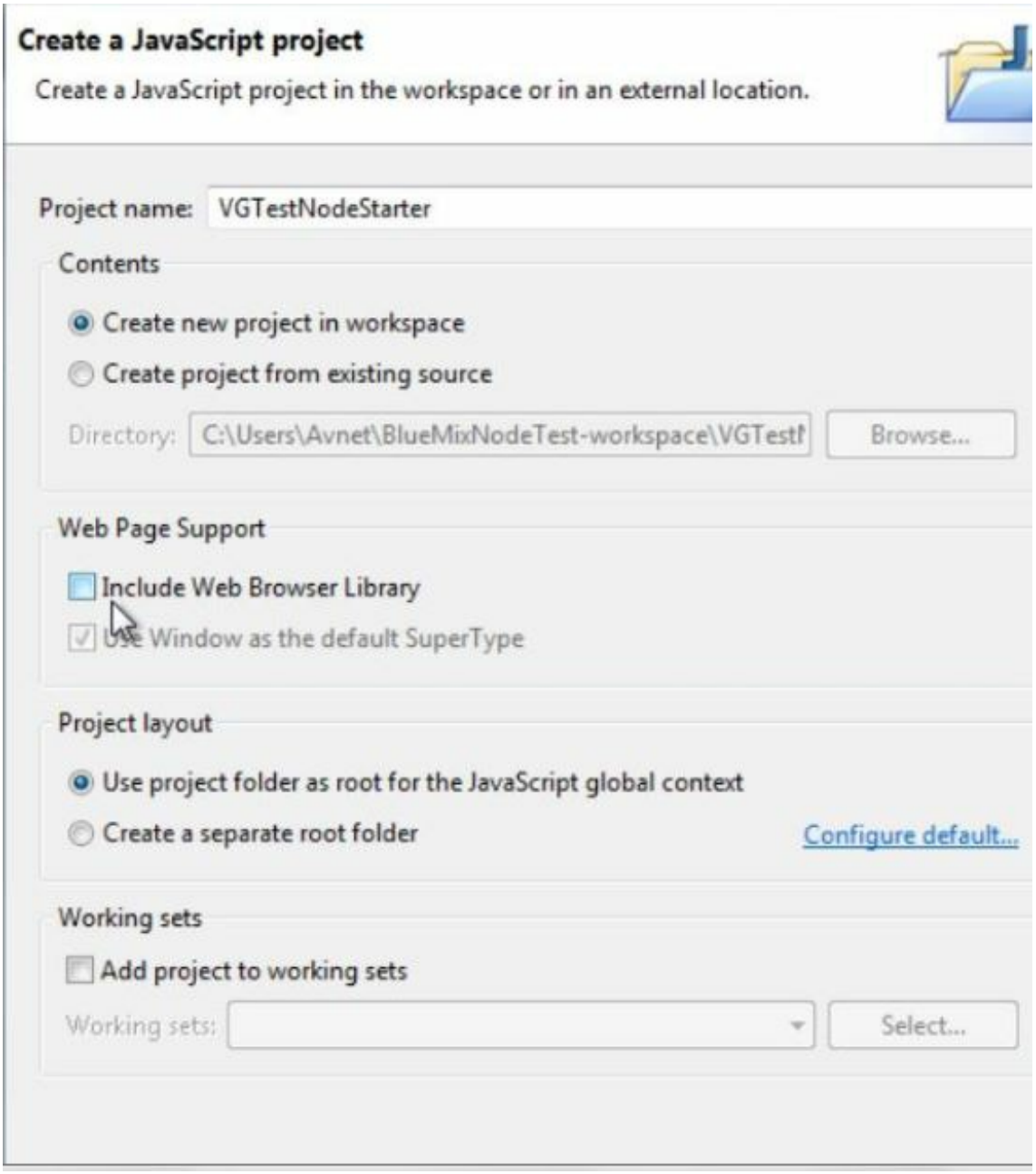
Launch Eclipse.If using a fresh workspace you need to create the Bluemix server configuration – we did this in section 3.

Create a new javascript project File -> New -> Other

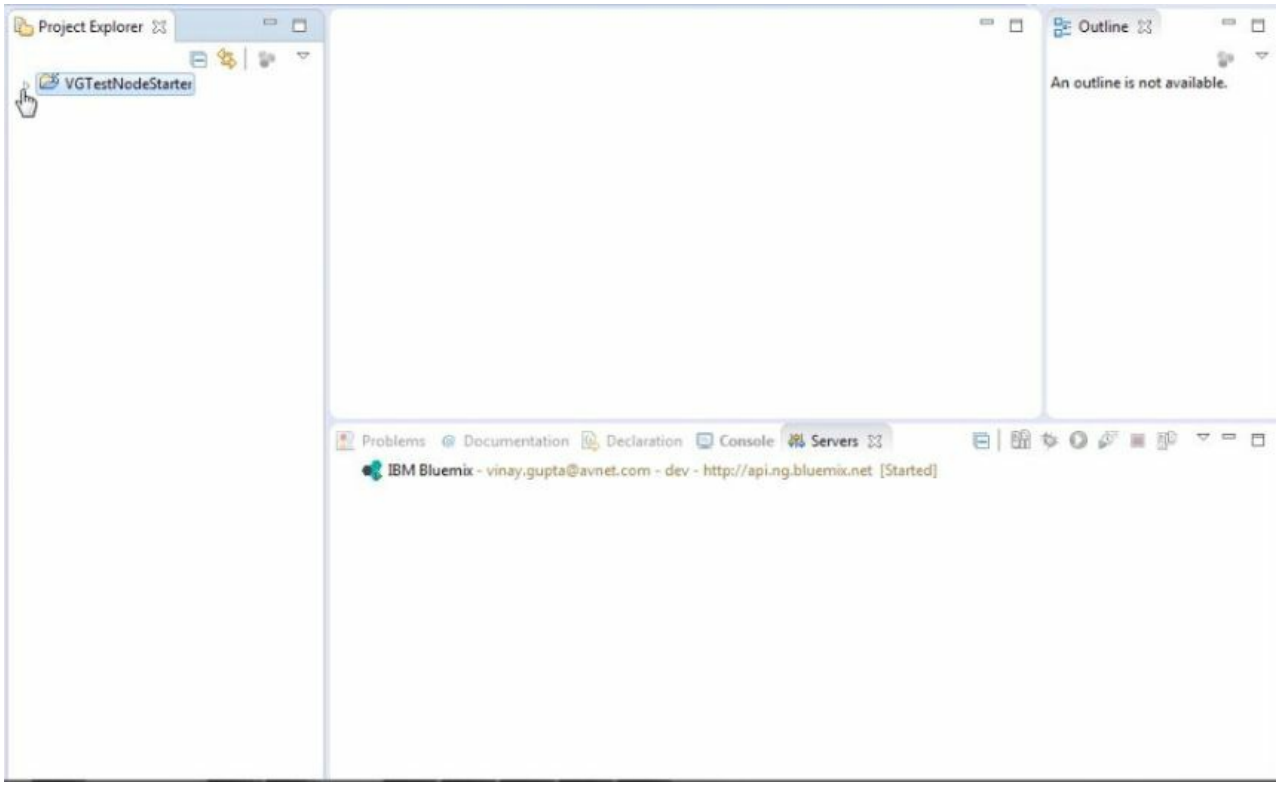
When the Select a wizard dialog is displayed select Javascript -> JavaScript Project.



When the Create a JavaScript project dialog appears. Give the project a name and remove the Web Page Support option.

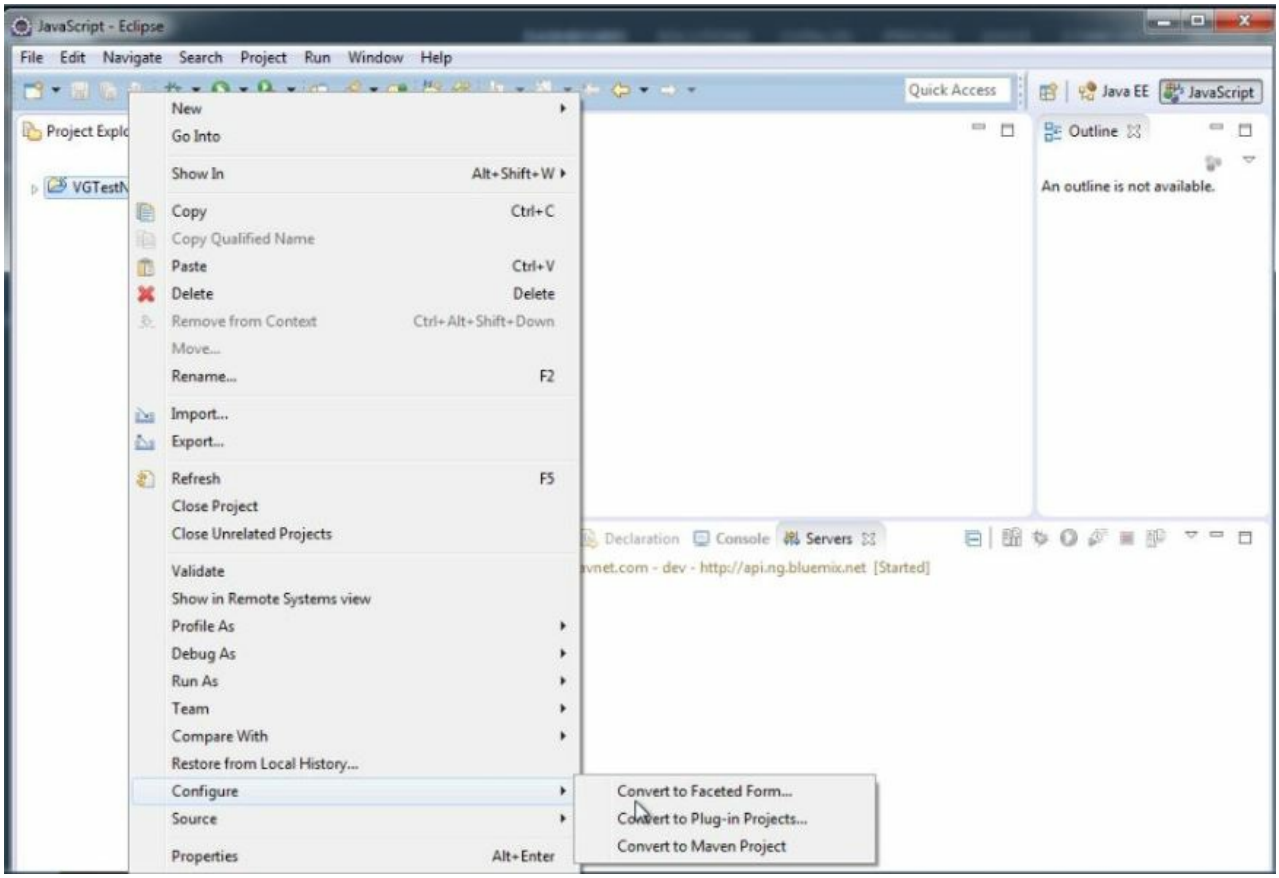


click Finish – will switch to JavaScipt perspective – accept this recommendation.

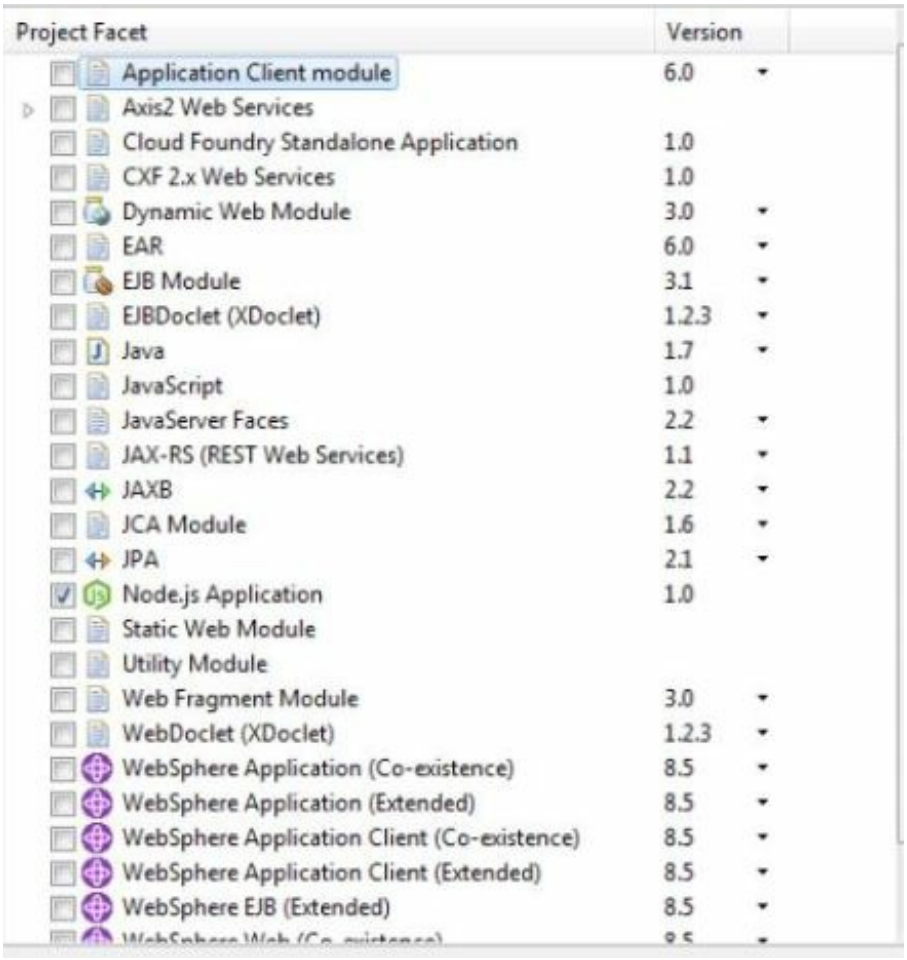


To add Bluemix support to the project you need to add a Facet to the project.Right-click the project name and from 'Configure' select Project Facets – select ‘Convert to faceted form…’

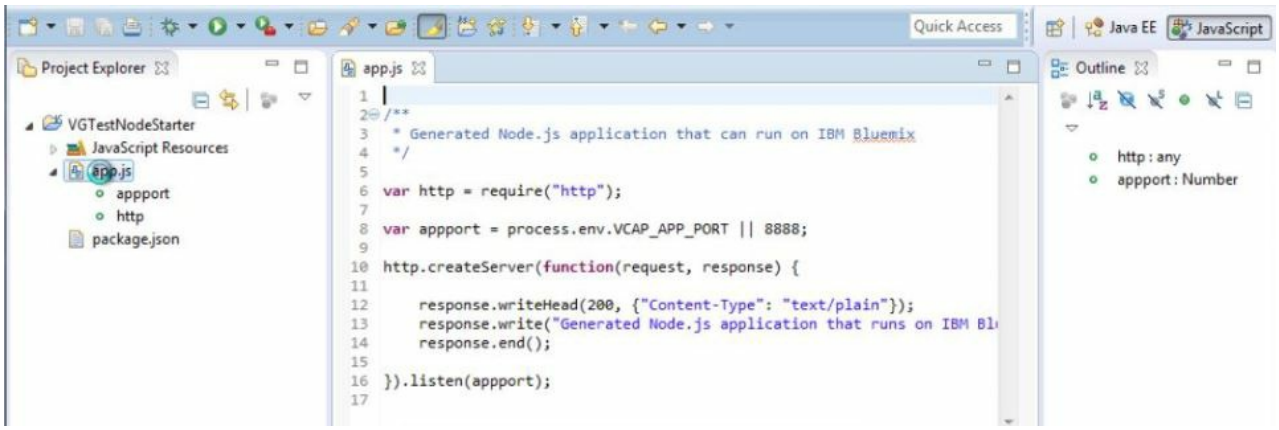
Note : The menu items might be different depending on the OS or the version of Eclipse you are using.



then select ‘Node.js Application’

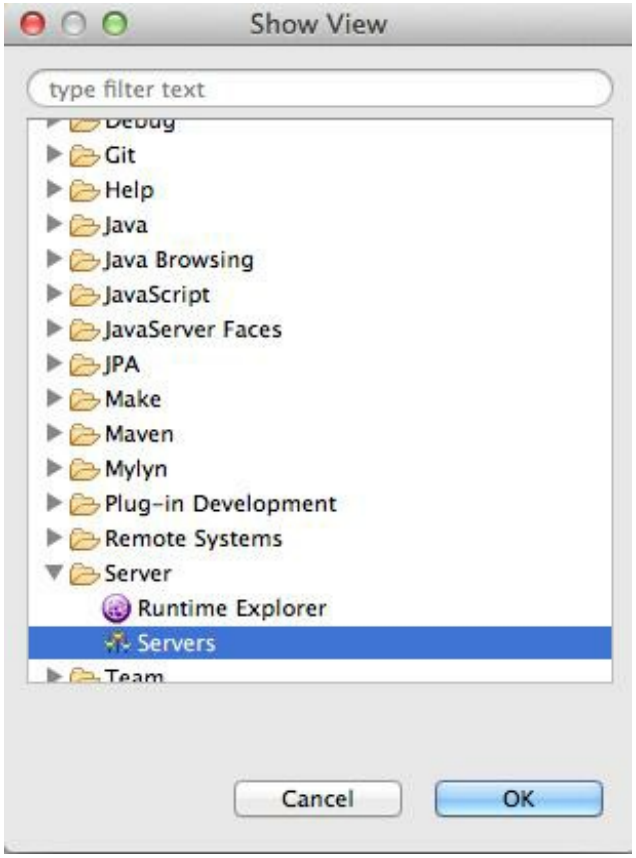


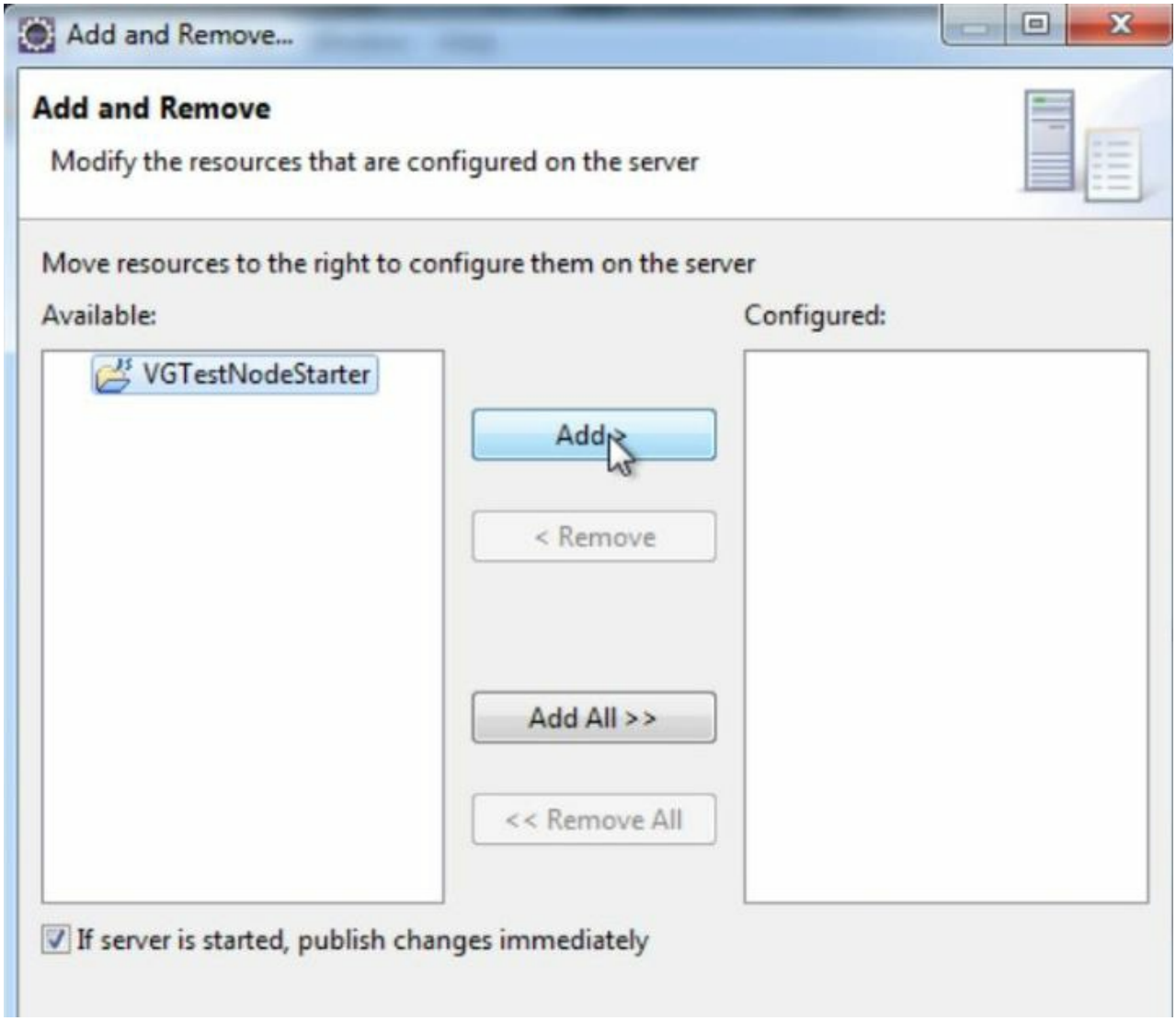
You will see that app.js and package.json are added to the project and the contents of the file will look similar.



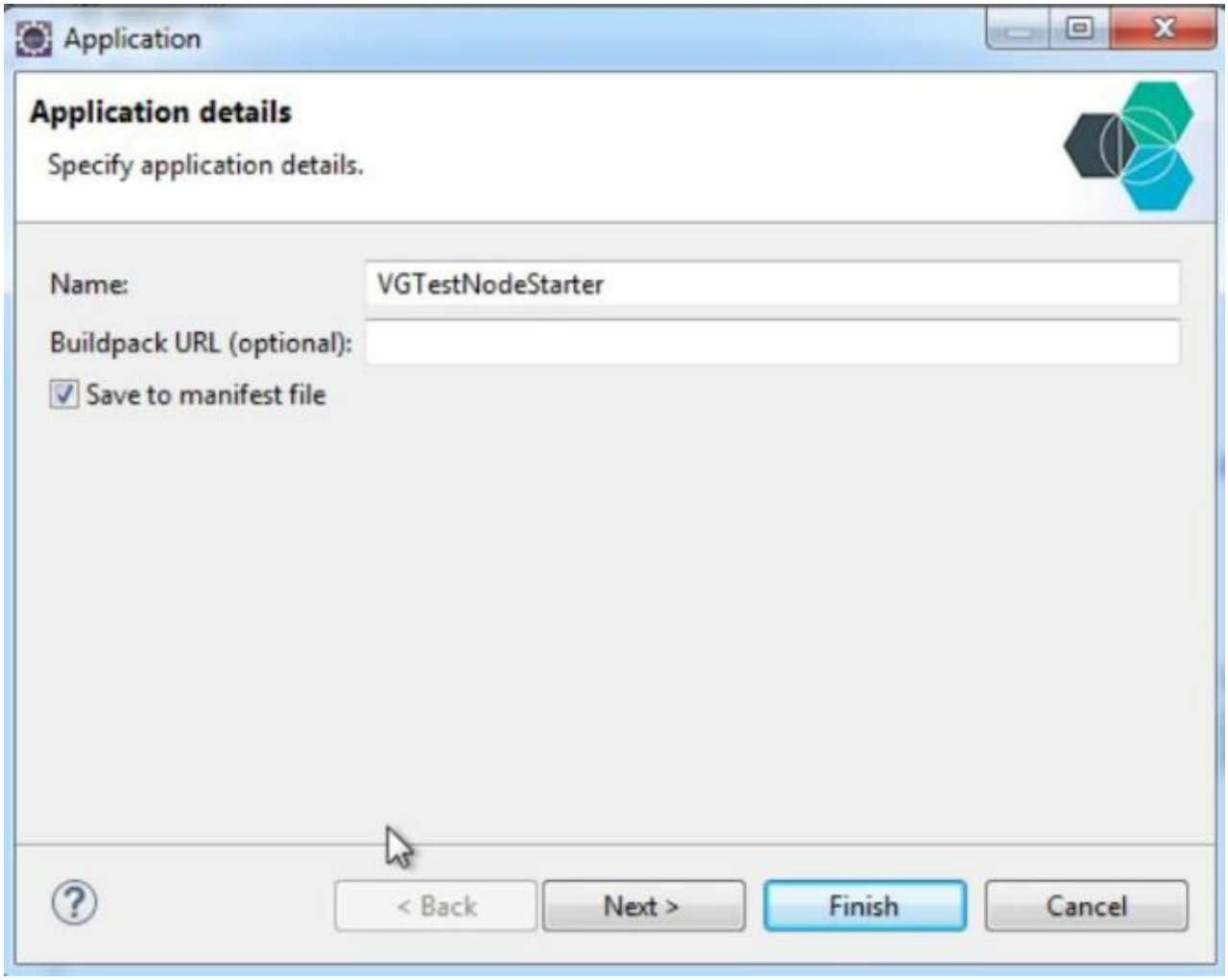
To deploy the application you need to open the Servers view Window -> Show View -> Other.Then in the dialog that opens select Server -> Servers.

Right-click IBM Bluemix (select the server configuration for the space you want to deploy to if more than one server defined) then select 'Add and Remove' and then select your Node application and move it to the Configured column by clicking 'Add'.





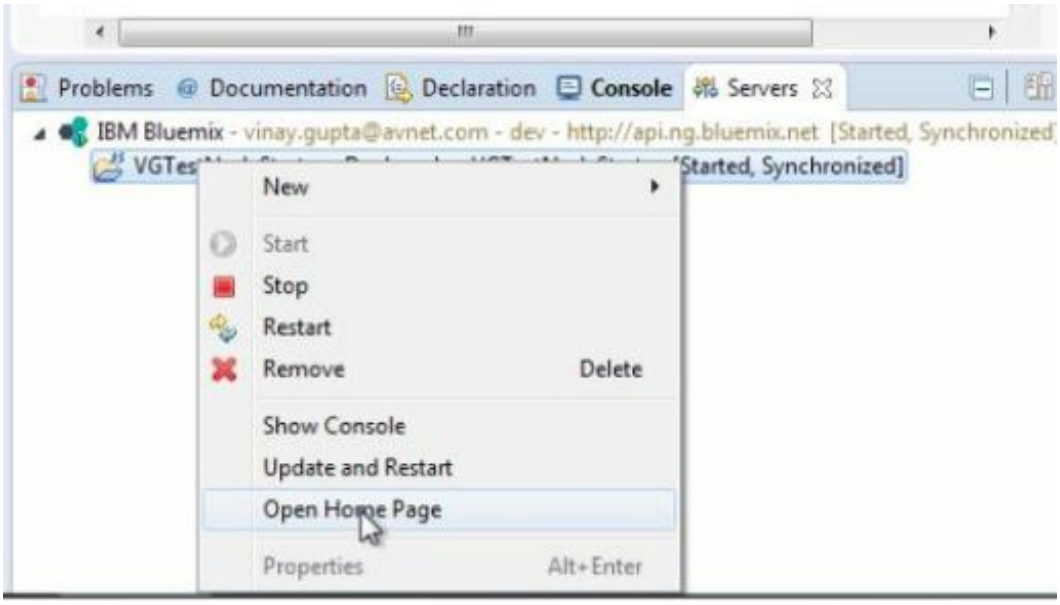
The Bluemix deploy wizard will start.Eclipse does not use the manifest file, but you can select to generate a file as a result of the Eclipse deploy:



Give the application a unique name, modify the memory requirement to 128M.Complete the deployment – there are no services needed for this deployment.

Once the application is running open the generated manifest.yml file and verify the options to selected are in the manifest file.

Once deployed you can run the Node application by right-clicking the application in the Servers view then selecting to open home page.



Once you have tested the application right click the application under the Bluemix server definition and select to remove the application