

Rapidly Building Apps on the Cloud

 [udemy.com/building-highly-scalable-apps-on-the-cloud/learn/v4/t/lecture/2963566](https://www.udemy.com/building-highly-scalable-apps-on-the-cloud/learn/v4/t/lecture/2963566)

Exercise 6c – Working with Node using DevOps Services

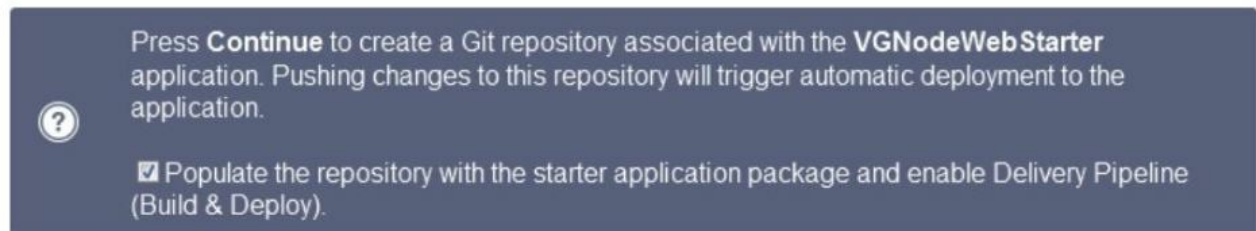
Section 6, Lecture 35

In Bluemix deploy the Node.js Cache Web Starter from the Catalog view in the Bluemix UI.

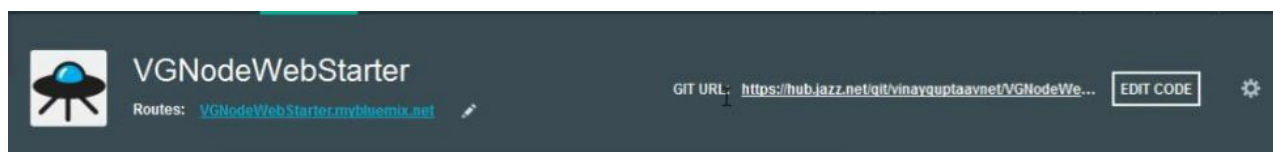
Once the application has started from the application overview page select 'ADD GIT'



Ensure the "Populate the repository with the starter application package ..." is selected



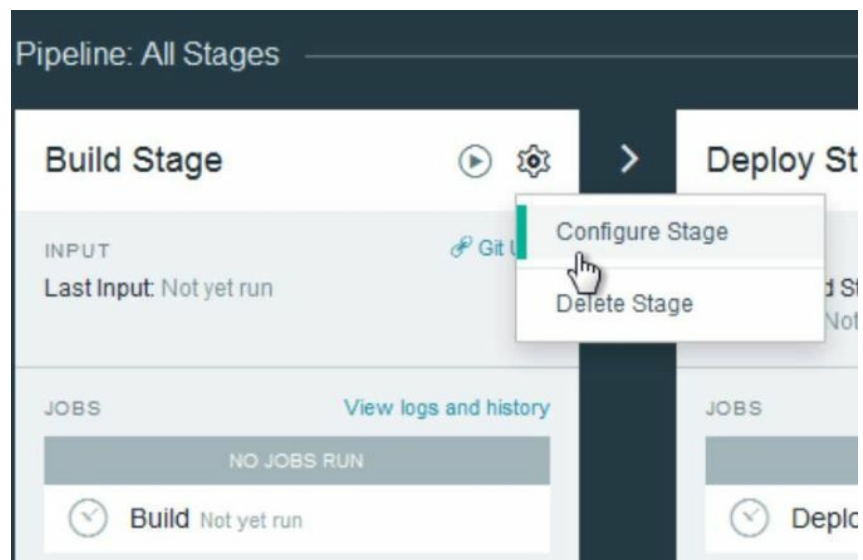
Select 'EDIT CODE' to be taken to the DevOps Services project



The Node.js Web Starter project uses the express framework. If you open the package.json in the DevOps editor you will see the project dependencies.

Node applications do not need to be compiled before they are deployed, so the simple Build & Deploy option within DevOps Services can be used. If you select the BUILD & DEPLOY tab, then select the 'Configure Stage' option, you will see the project is already configured to use the Simple builder:





You will notice that the project is also configured to build and deploy automatically as changes are delivered/pushed. Check the Input tab to see automatic deploy setting. Press 'CANCEL' to return to the pipeline screen

Build

Build Configuration

Builder Type

Simple

Branch

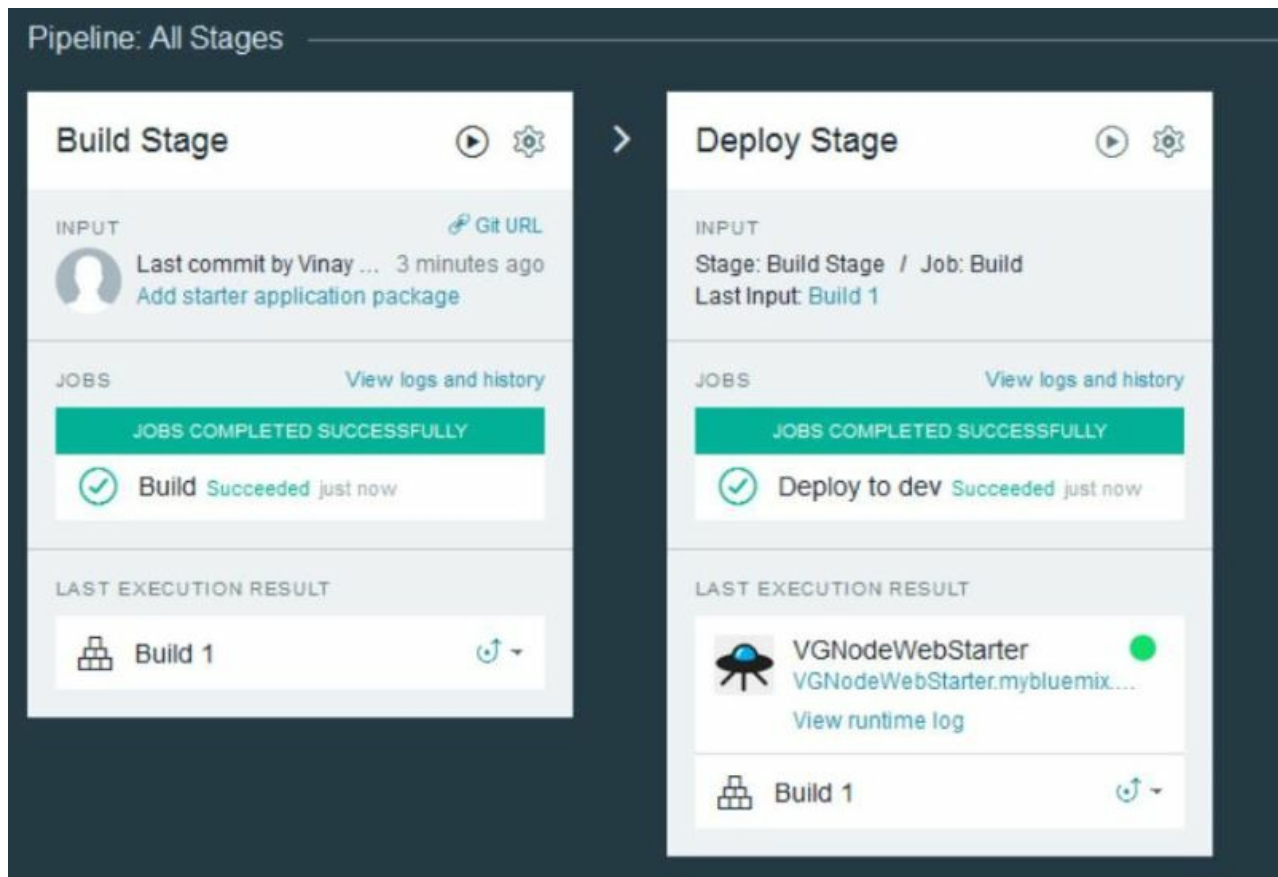
master

Stage Trigger

☒ Automatically execute jobs when a change is pushed to Git

☐ Only execute jobs when a user manually runs this stage

To test the configuration, select click the run build button. After a short while you will see the build and deploy proceed to a successful completion:



Select EDIT CODE and open file routes/cache.js in the editor. Scroll to the bottom of the file and locate the putCache and removeCache functions. Change the strings that are displayed on the web UI when a cache operation stores or removes a key:

Put successfully. => Stored it

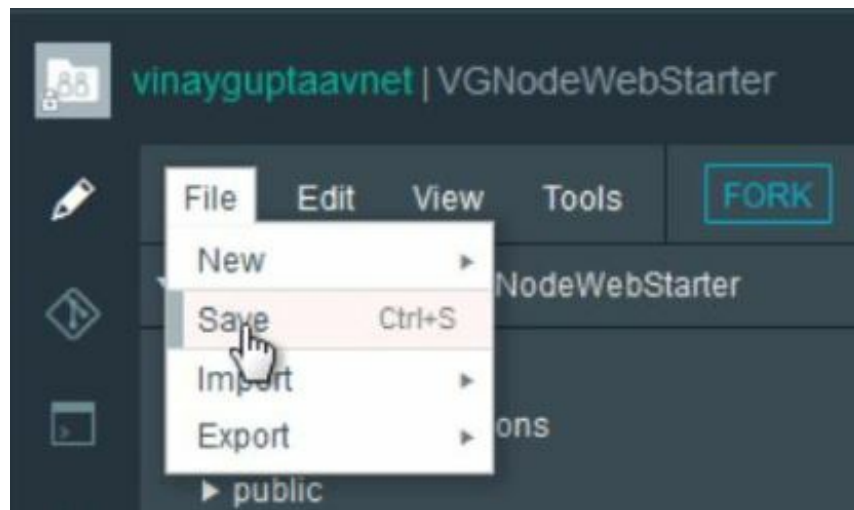
Remove successfully. => Deleted it

Make sure you save the file

```

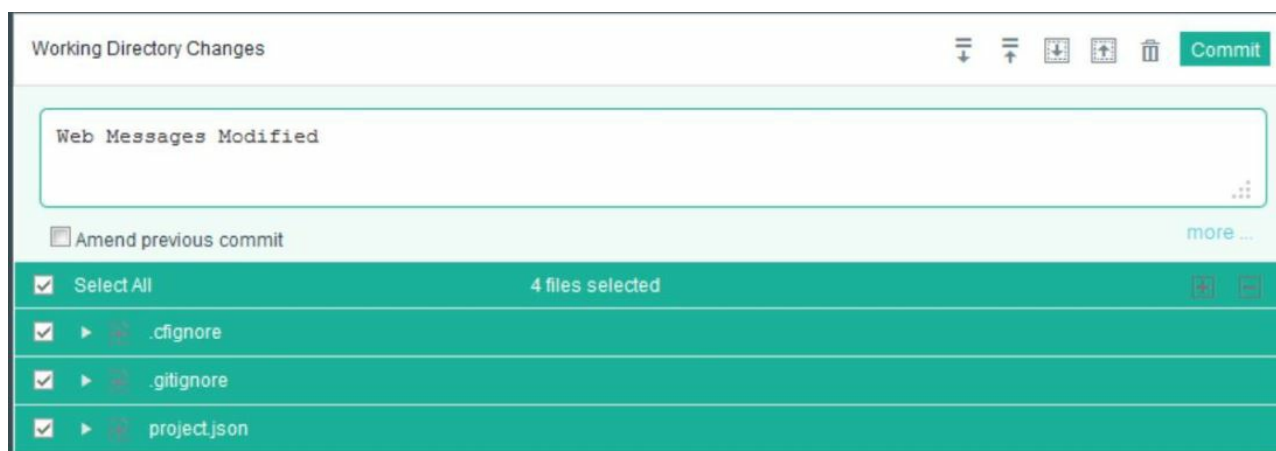
53 exports.putCache = function(req, res) {
54   var key = req.query.key;
55   var value = req.query.value;
56   wxsclient.put(key, value, function() {
57     res.json({
58       value : "Stored it."
59     });
60   });
61 };
62
63 exports.removeCache = function(req, res) {
64   var key = req.params.key;
65   wxsclient.remove(key, function() {
66     res.json({
67       value : "Deleted it."
68     });
69     console.log('finished remove');
70   });
71 };

```

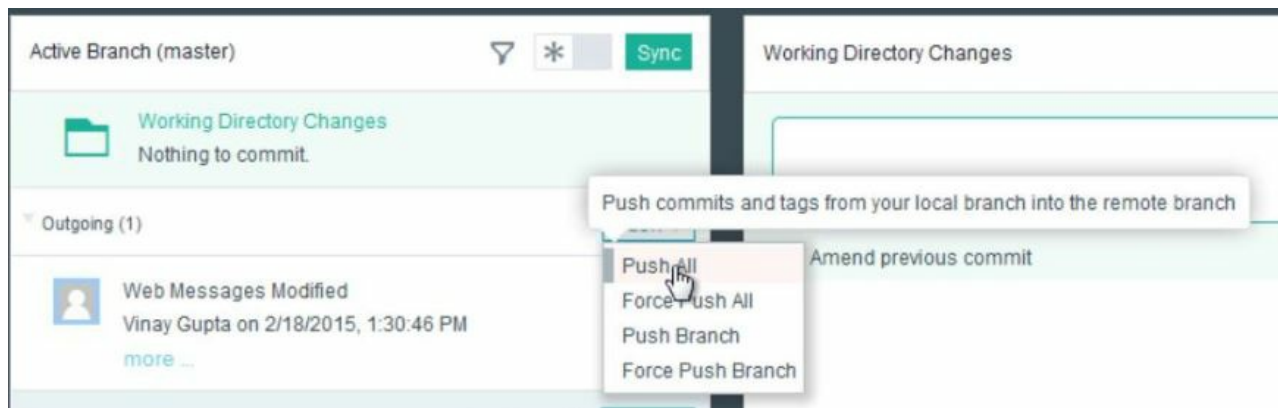


then switch to the Git Repository

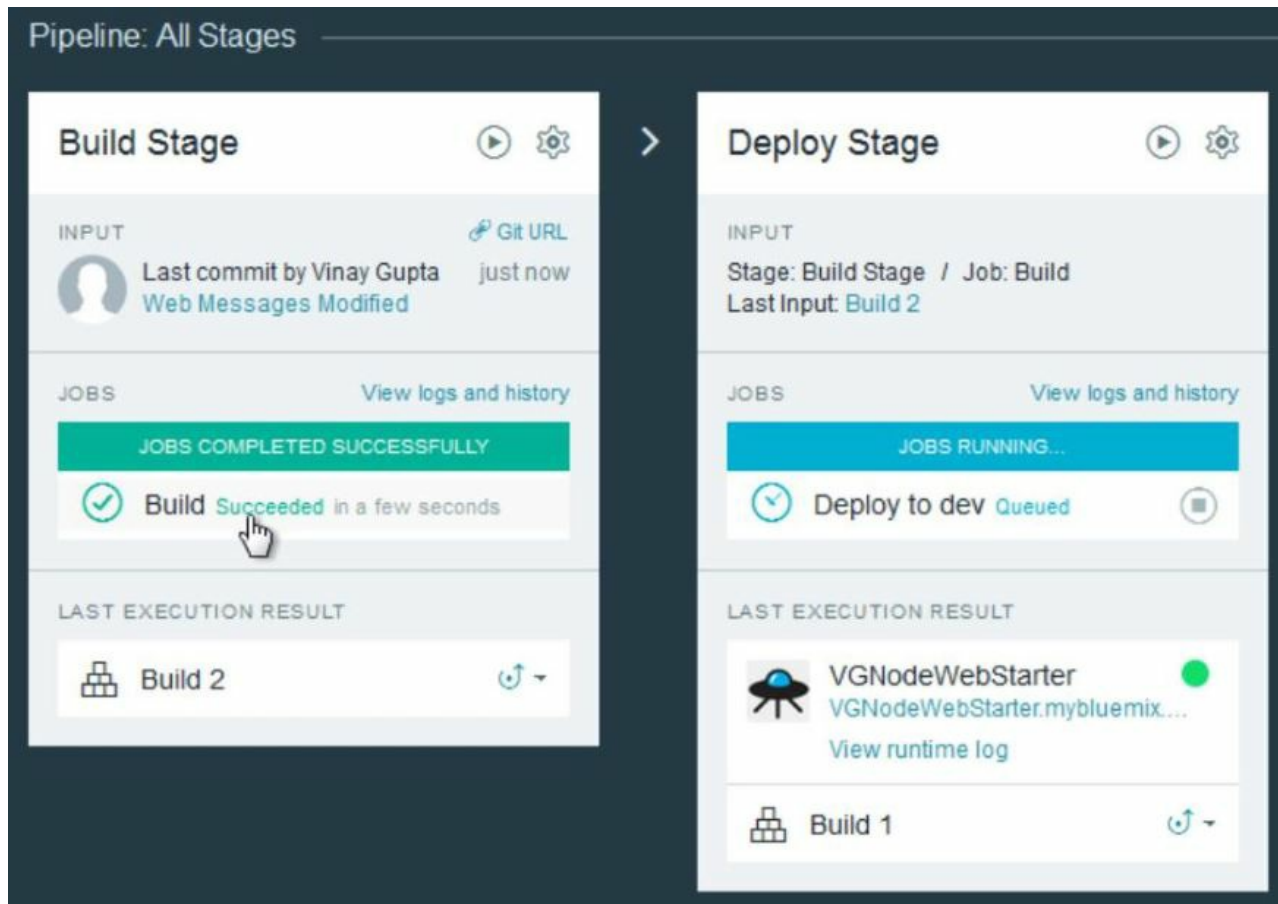
select all changed files, enter a comment for the commit



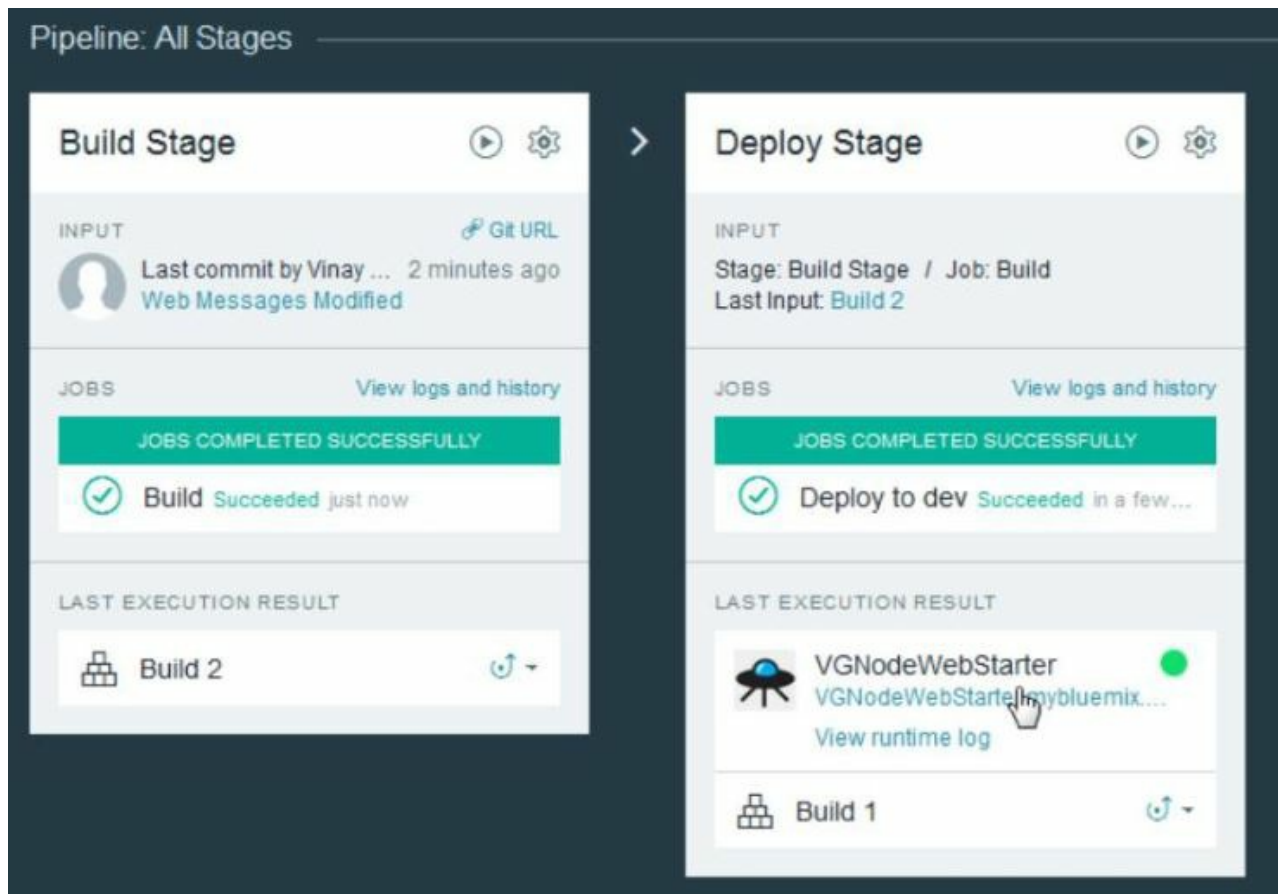
then select COMMIT. Once you committed the changes push them to the remote branch by selecting Push -> Push All.



Quickly switch to the BUILD & DEPLOY tab and you will see that a deploy has been initiated.

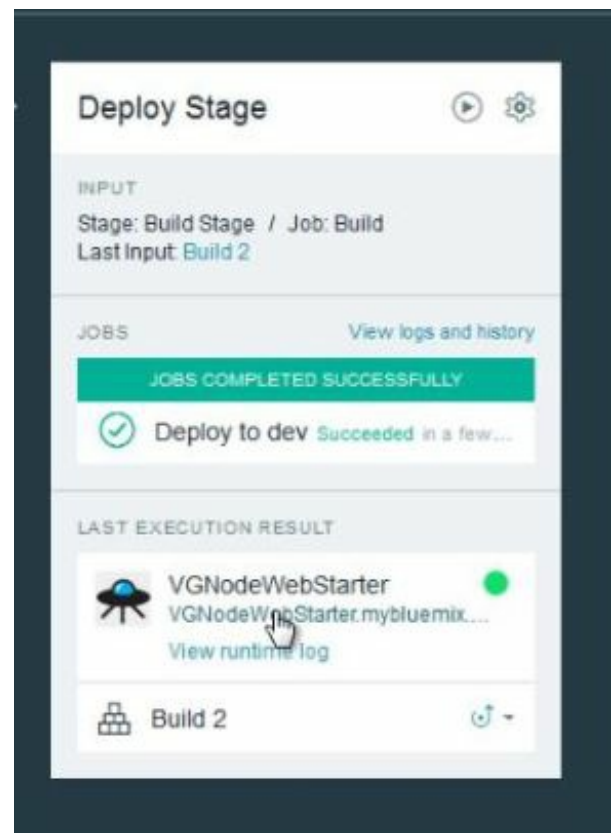


After a short while the deploy will complete and you should see a success status with the commit message displayed in the comment.



You can launch the application by selecting the link in the deploy stage:

Add a value to the cache and you will see the modified message displayed



Grid Operations:

Key:

Value:

Stored it

Get

Put

Delete