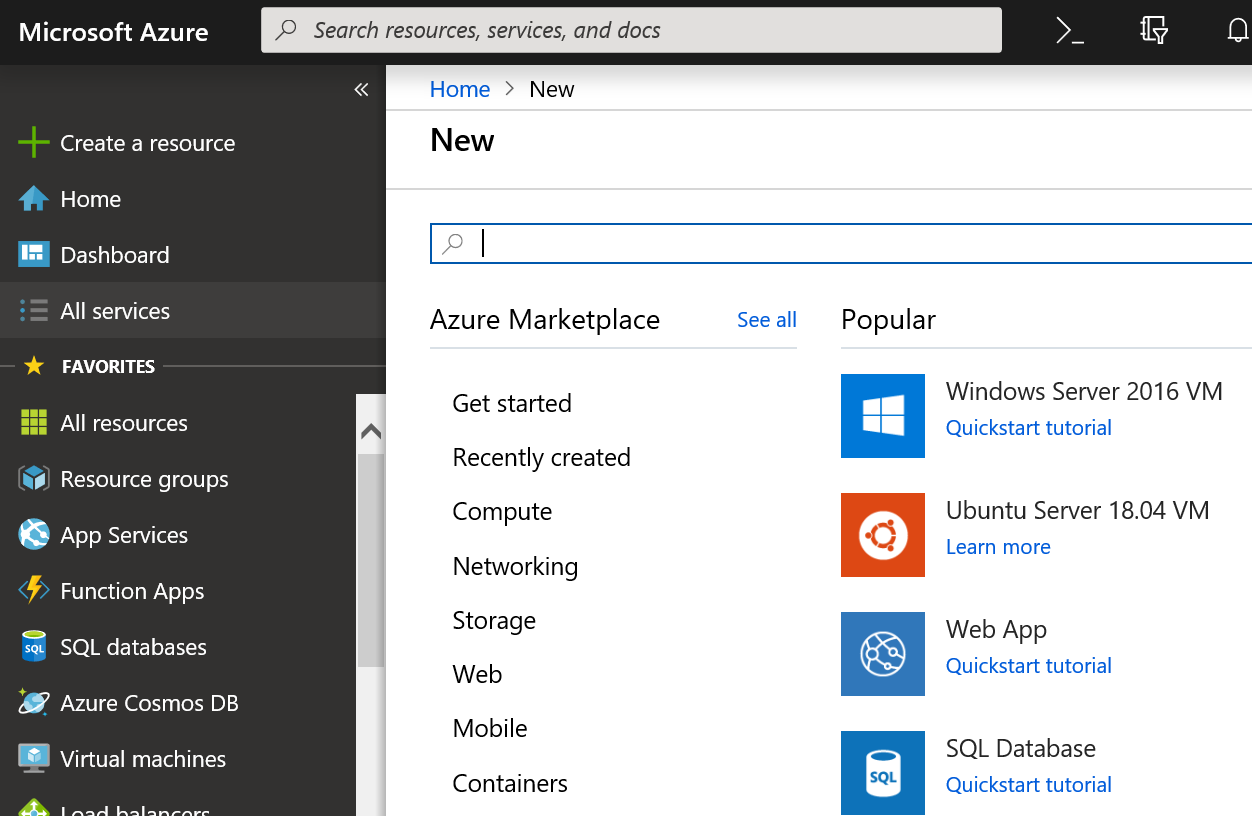
Creating a web app

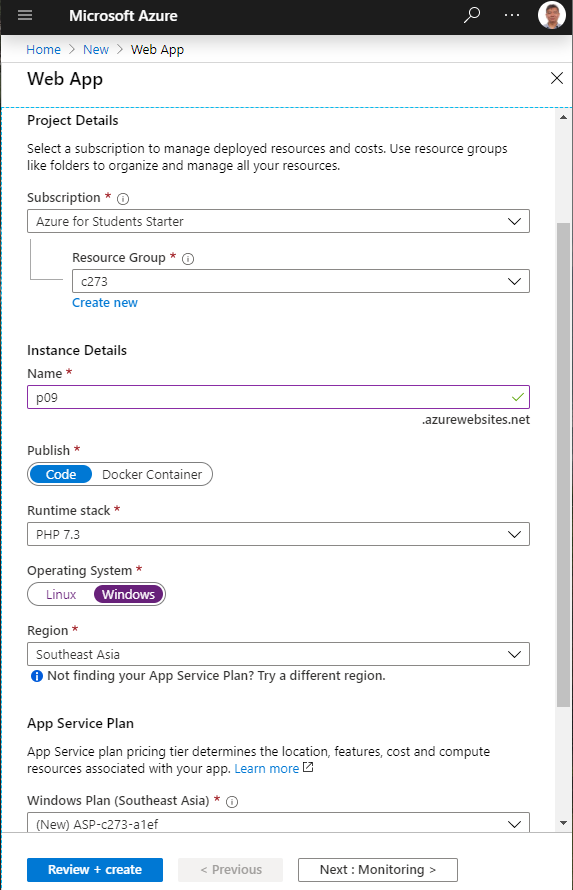
1. Go to <https://portal.azure.com> . Follow the diagrams below to kickstart a web app



2

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1. Give your web app a name

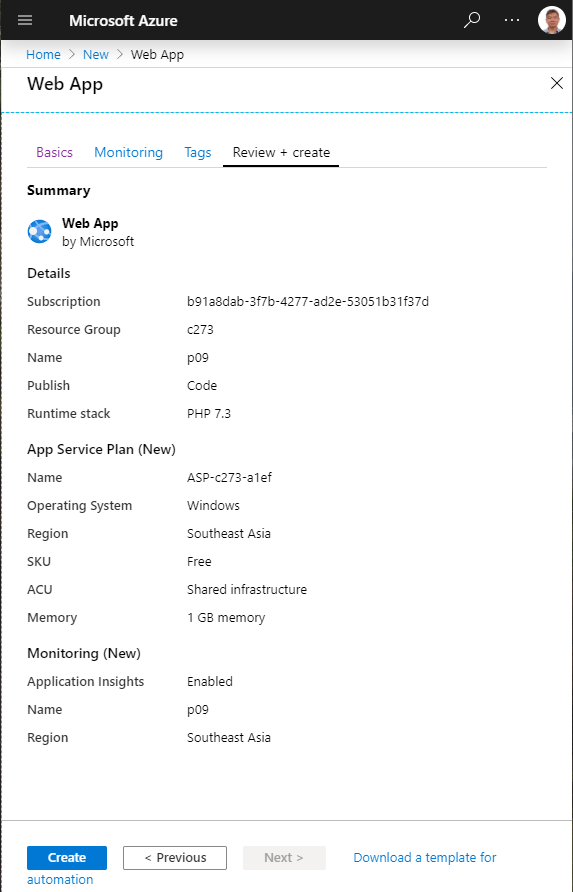


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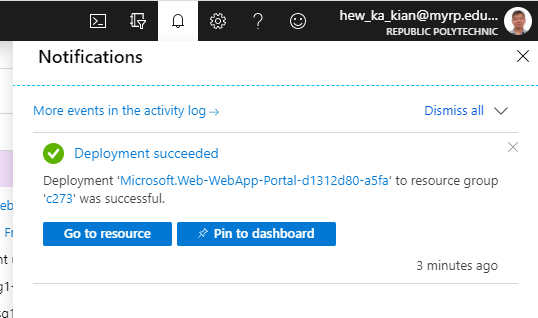
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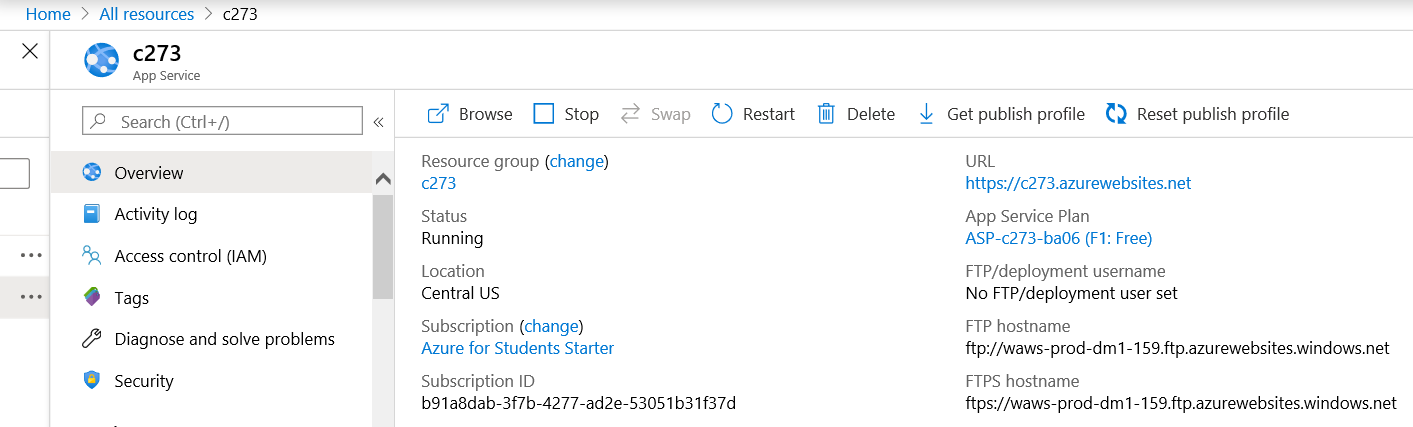


5

1. After successful deployment, under “Notifications”, click “Go to resource”.

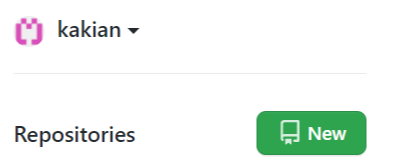


1. Click on “Go to resource”. Click the URL link and you would see an empty page as we have not deployed our code.

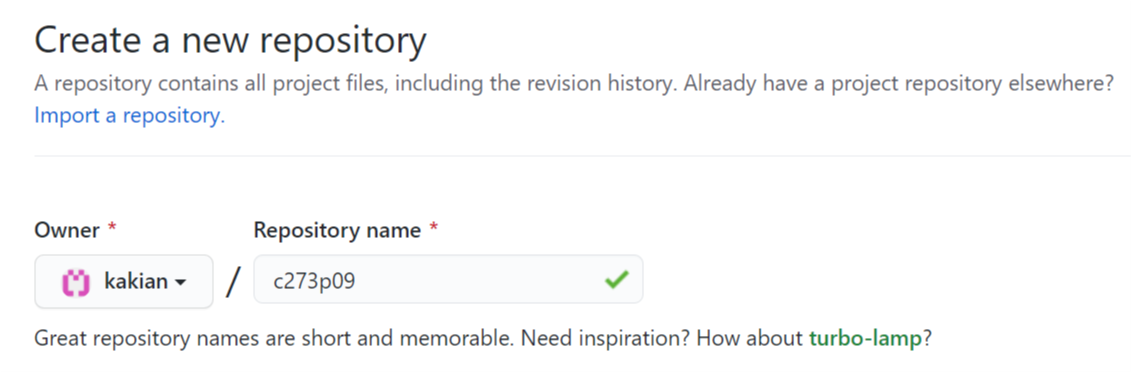


Deployment of Code

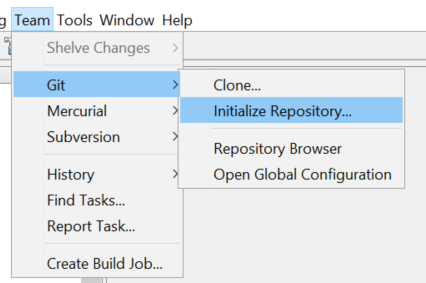
1. We would need to push the NetBeans project to GitHub and make Azure get the code from the GitHub. Follow the diagrams below to deploy your code to Azure.
2. We would need a GitHub account. Sign up for an account at <https://github.com/join> if you do not already have an account.
3. After you had signed up with a new account or simply just signed in to an existing account, create a new repository by clicking **New** under your username.



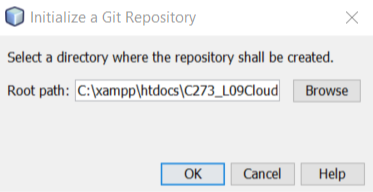
1. Type **c273p09** as the repository name and click **Create Repository**. And we have the repository done.



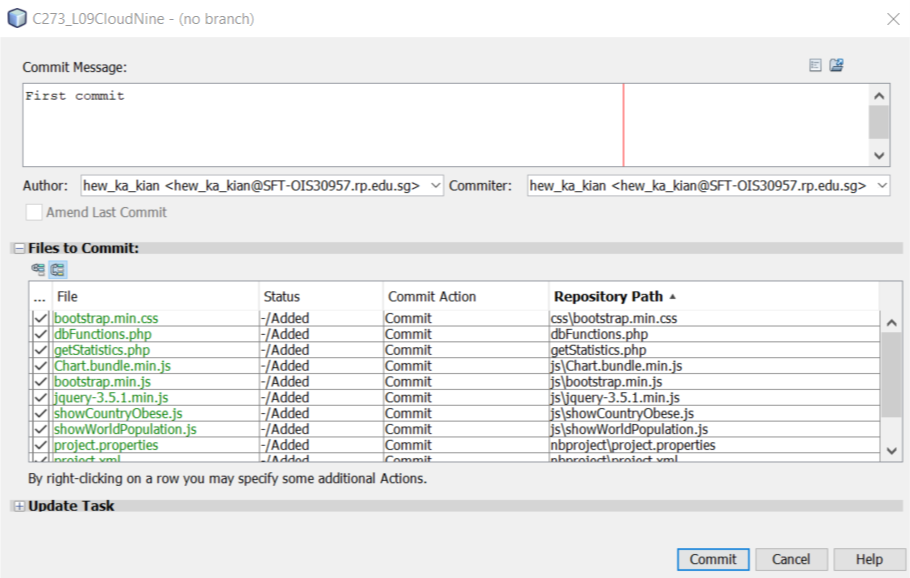
1. With your project selected in NetBeans, select from the menu **Team > Git > Initialize Repository** to get your project ready for GitHub.



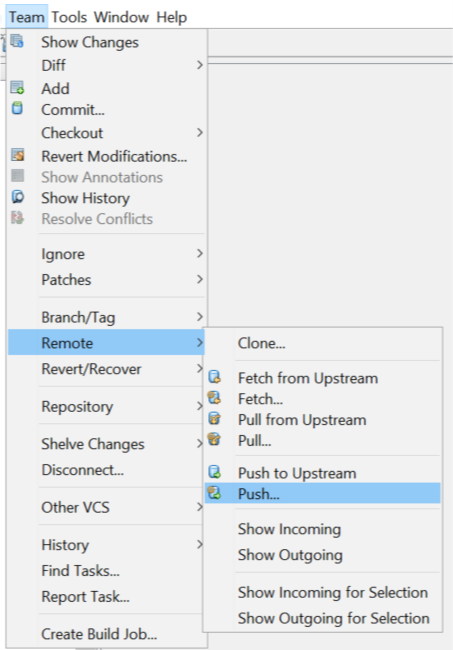
1. Click OK and your project is ready for GitHub (with a repository).



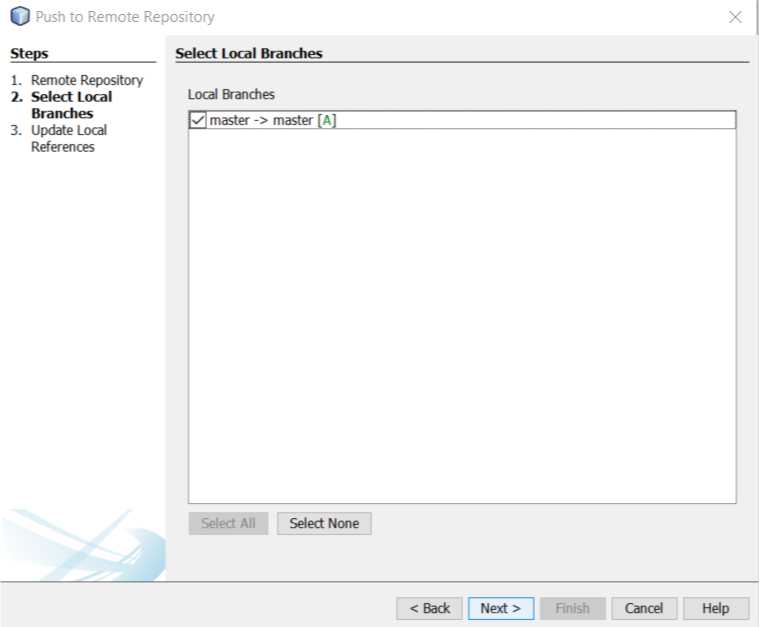
1. Next, select from the menu **Team > Commit…**
2. Type ‘First Commit’ (or any other message) under Commit Message and click the Commit button.



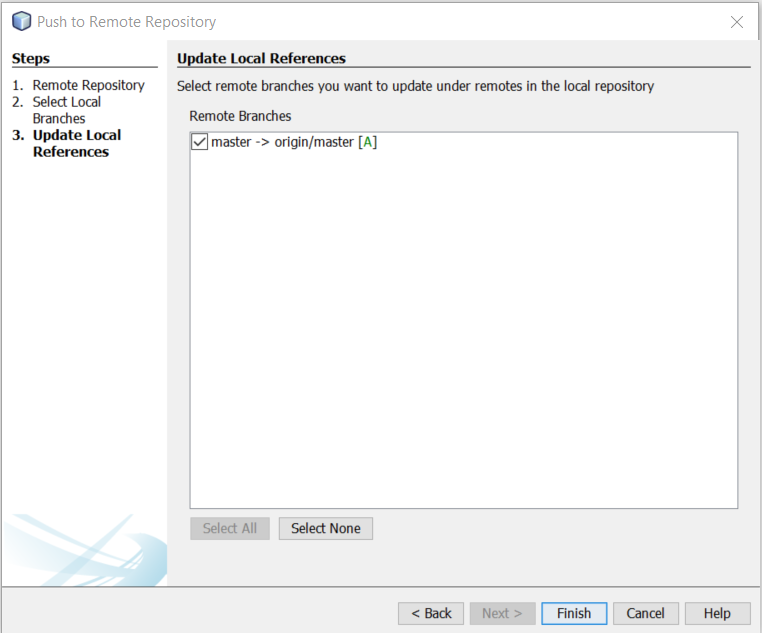
1. If it asks you to confirm the author and committer next, click Confirm to proceed.
2. Next, we would push the project to the GitHub. Select from the menu **Team > Remote > Push**.



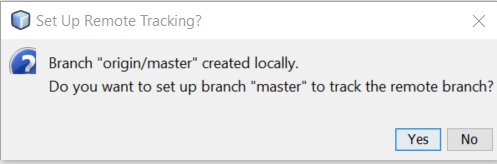
1. Change the Repository URL to [https://github/<username>/c273p09](https://github/%3cusername%3e/c273p09) and your GitHub username and password and click Next.
2. Check the master branch and click Next.



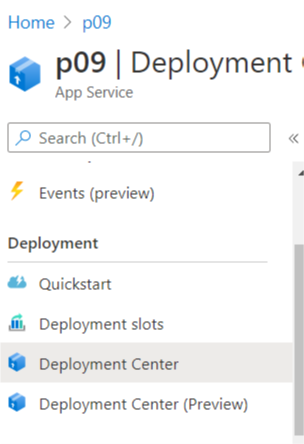
1. Check the remote branch and click Finish.



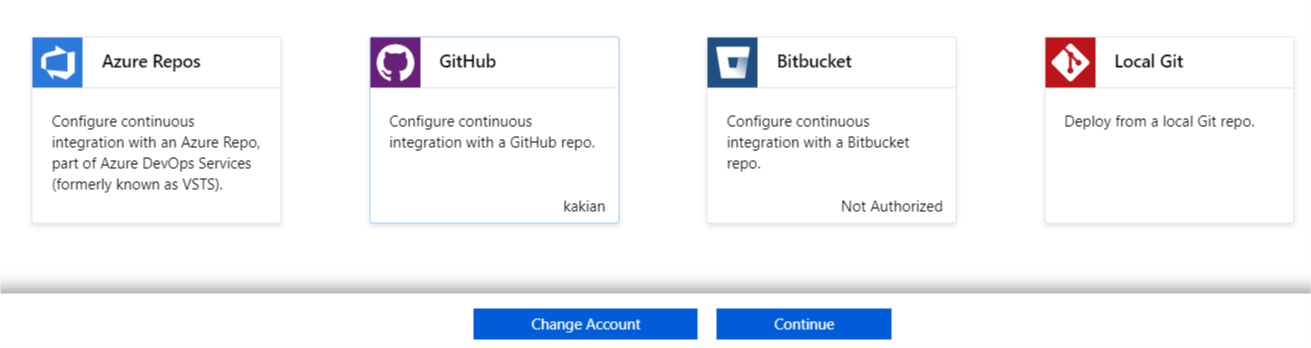
1. Click Yes to track the remote branch.



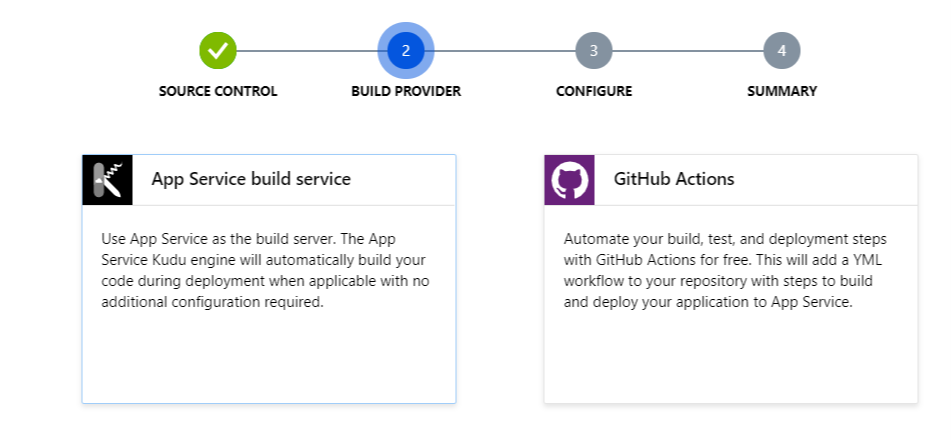
1. You may verify the files are pushed to the repository in GitHub https://github.com/<your username>/c273p09
2. Go to portal.azure.com click on Deployment Center.



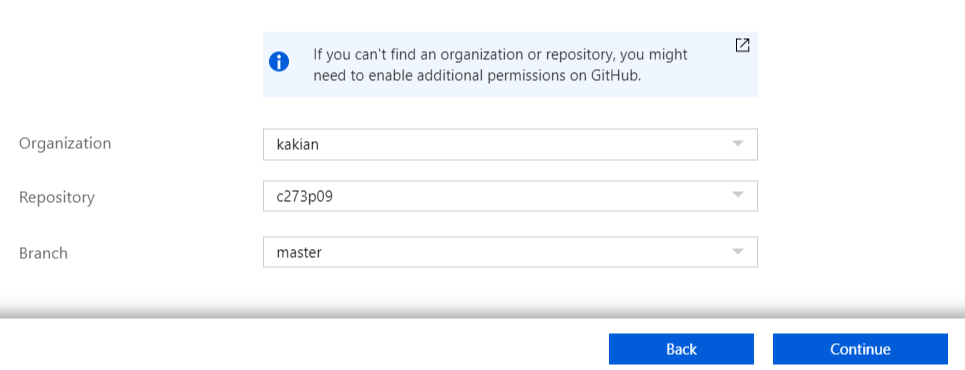
1. Choose GitHub as the deployment source and click Continue. You may need to login to GitHub.



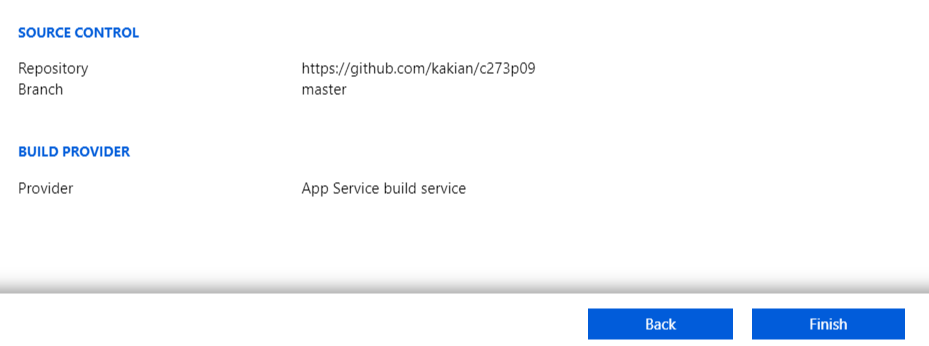
1. Choose App Service build service as the buid provider and click Continue.



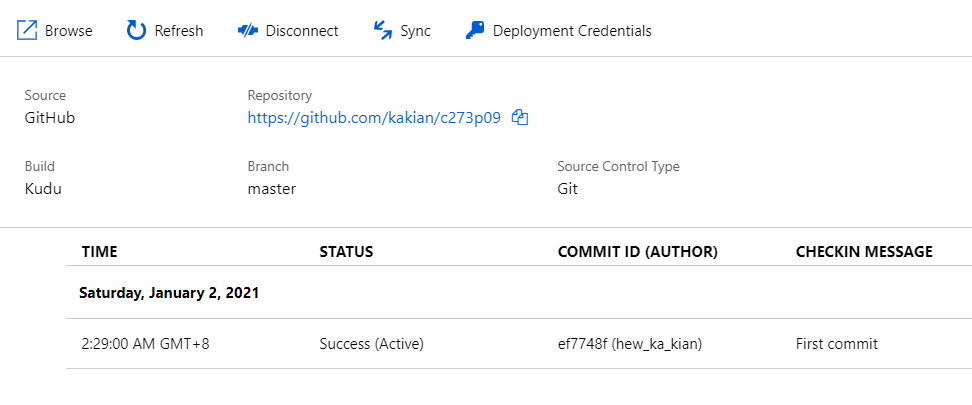
1. Change the repository to c273p09 and branch to Master and click Continue.



1. Click Finish.

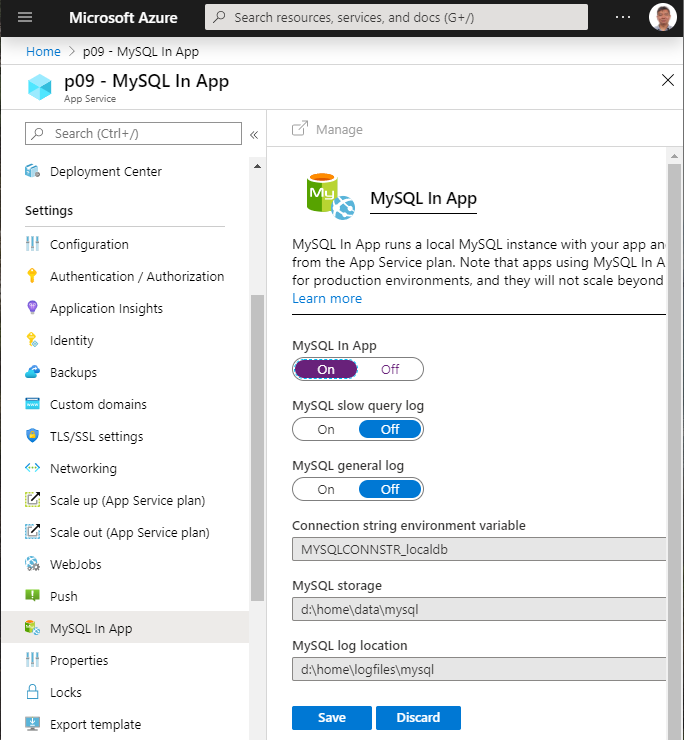


1. After a short while you should see your source with checkin message ‘First Commit’ successfully deployed.



Creating a MySQL database

1. Follow the diagrams below to create a MySQL In App database

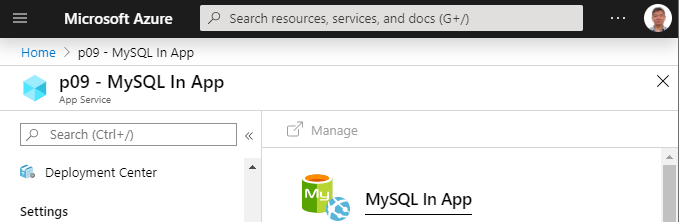


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1. Click the MySQL In App as shown in step 5 and on “Manage”.



1. At the phpMyAdmin page, choose the database called **localdb** and import the script c273\_p09.sql into it.
2. Replace the dbFunctions.php code in NetBeans with the following.

This will allow the web app to connect to MySQL using the environment variables.

|  |
| --- |
| <?php  /\*  $username = "root";  $password = ""; // No password for localhost  $db = "c273\_p09";  $host = "localhost";  $link = mysqli\_connect($host,$username,$password,$db) or  die(mysqli\_connect\_error());  \*  \*/  $connectstr\_dbhost = '';  $connectstr\_dbname = '';  $connectstr\_dbusername = '';  $connectstr\_dbpassword = '';  foreach ($\_SERVER as $key => $value) {  if (strpos($key, "MYSQLCONNSTR\_localdb") !== 0) {  continue;  }    $connectstr\_dbhost = preg\_replace("/^.\*Data Source=(.+?);.\*$/", "\\1", $value);  $connectstr\_dbname = preg\_replace("/^.\*Database=(.+?);.\*$/", "\\1", $value);  $connectstr\_dbusername = preg\_replace("/^.\*User Id=(.+?);.\*$/", "\\1", $value);  $connectstr\_dbpassword = preg\_replace("/^.\*Password=(.+?)$/", "\\1", $value);  }  $link = mysqli\_connect($connectstr\_dbhost, $connectstr\_dbusername, $connectstr\_dbpassword,$connectstr\_dbname);  if (!$link) {  echo "Error: Unable to connect to MySQL." . PHP\_EOL;  echo "Debugging errno: " . mysqli\_connect\_errno() . PHP\_EOL;  echo "Debugging error: " . mysqli\_connect\_error() . PHP\_EOL;  exit;  }  ?> |

1. Select from the menu Team > Commit to commit the changes to the local repository.
2. Select from the menu Remote > Push to push the changes to the GitHub. Azure would automatically pull the changes from GitHub.
3. Go to your webapp at <yourwebapp>.azurewebsites.net/<abc.php> .