Part C: Connect IBM Cloud Services to Cloud Foundry Applications

Estimated time needed: 30 minutes

Lab Overview

In this hands-on lab, you will connect IBM Cloud services with your Cloud Foundry application. This will make the service credentials available to your application as environment variables.

Objectives

After completing this lab, you will be able to:

1. Connect IBM Cloud services to your Cloud Foundry application.

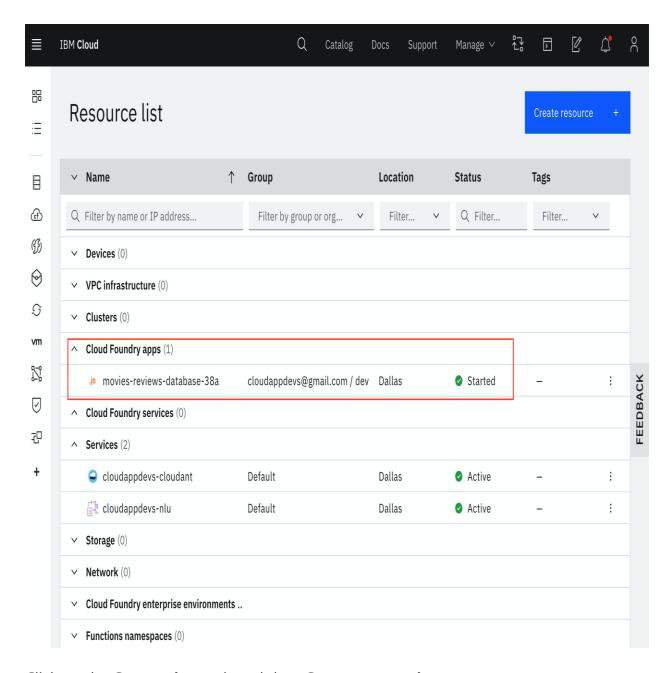
Lab Instructions

This lab is broken up into the following tasks:

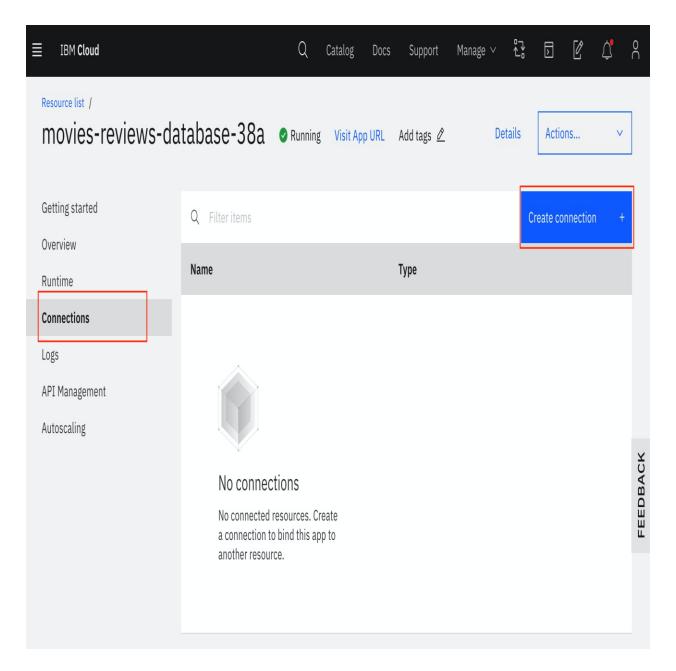
- Part C: Connect IBM Cloud Services to Cloud Foundry Applications
 - o <u>Lab Overview</u>
 - Objectives
 - Lab Instructions
 - Open Application page
 - Connect the cloudant service to the application
 - Connect the NLU service to the application
 - Restage the application
 - Author(s)
 - Changelog

Open Application page

Navigate to https://cloud.ibm.com/resources to launch your resources page. You should see your Cloud Foundry application that you created in the last lab. Click on the application to open the settings page.

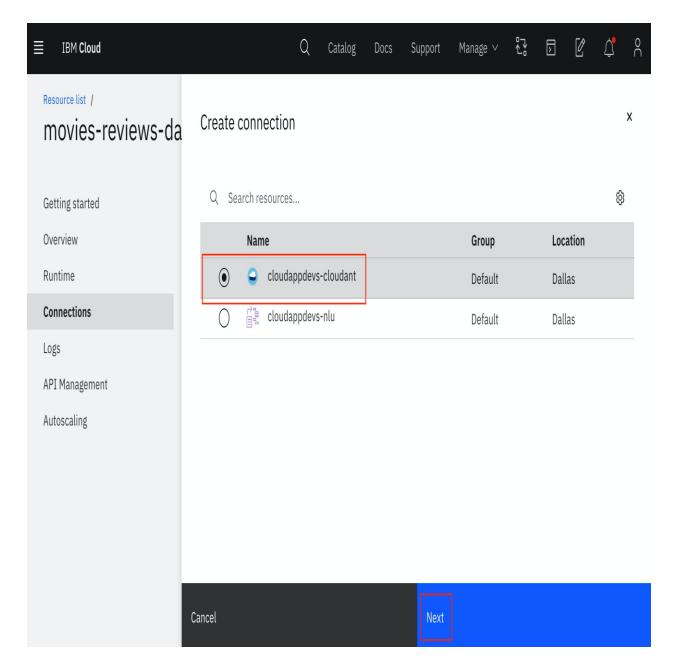


Click on the **Connections** tab and then **Create connection**

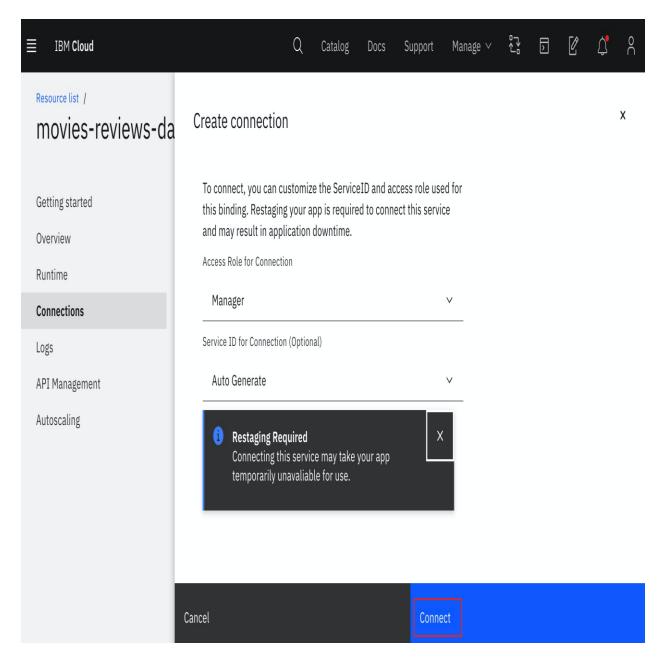


Connect the cloudant service to the application

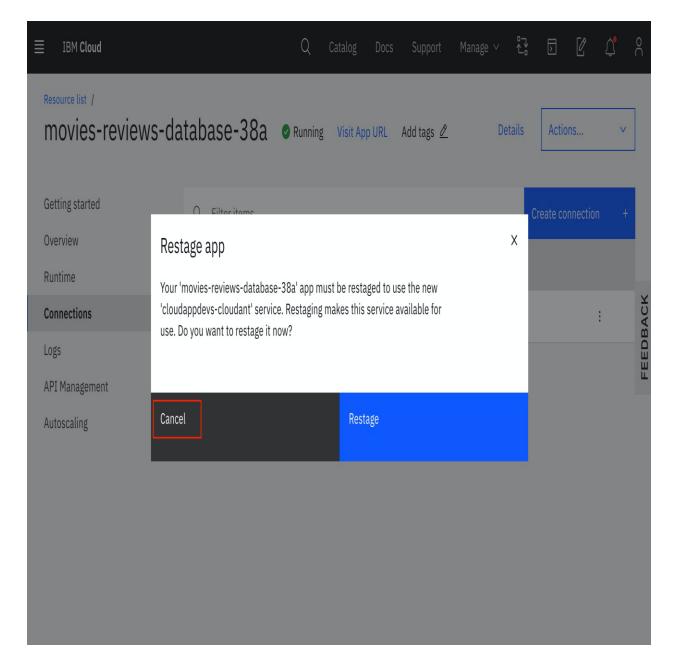
You should see both Cloudant and Natural Language Understanding services on



Confirm the access role in the next screen. You can leave everything as default. You also informed at this time that the application will need to restaged, which required a restart.

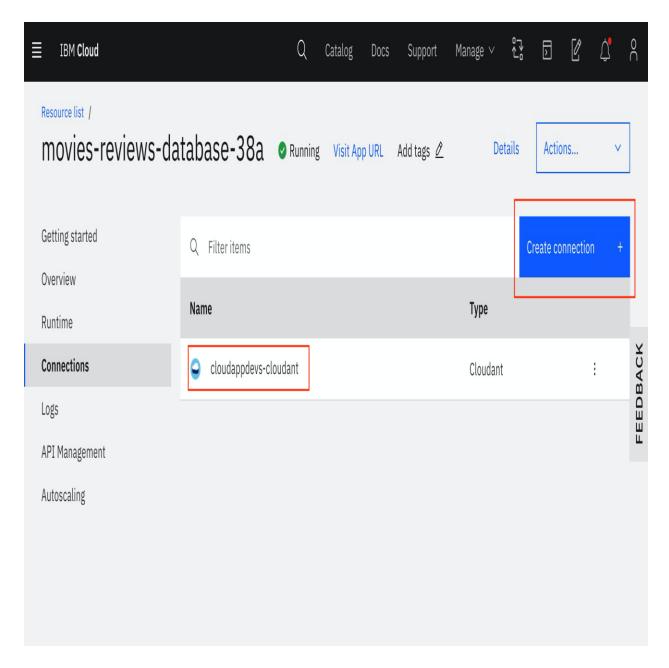


You now have an option to restage the application. Select **Cancel** as we will connect NLU service before restaging.

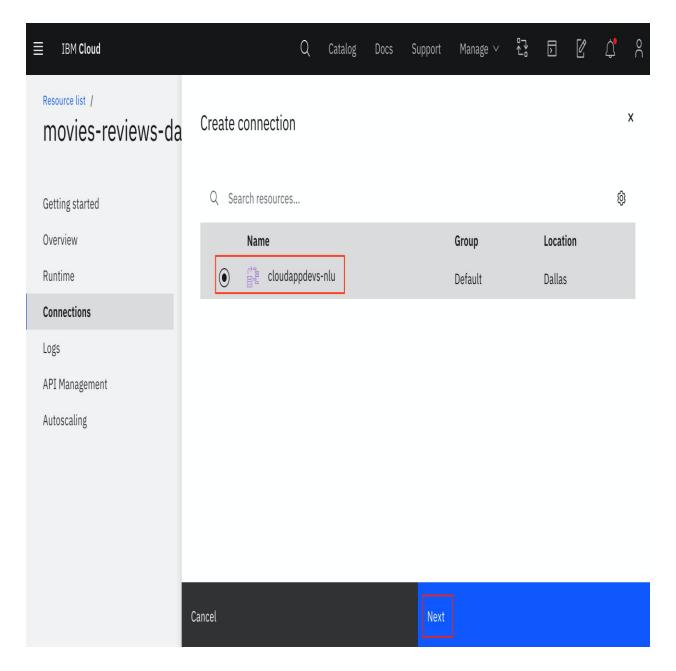


Connect the NLU service to the application

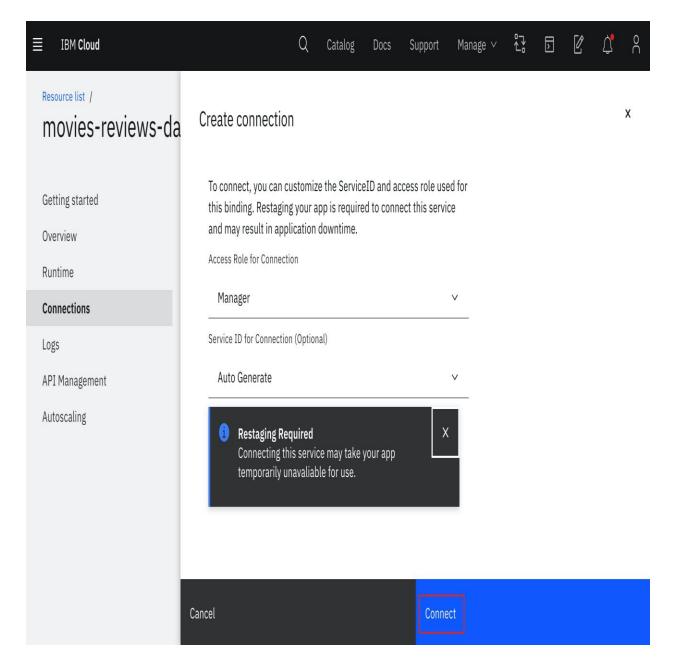
You are taken back to the connections page. You should see your Cloudant service instance listed as a connected service. Let's repeat the steps for the Natural Language Understanding service by selecting **Create connection** again.



Pick your instance of the Natural Language Understanding service and select **Next**.

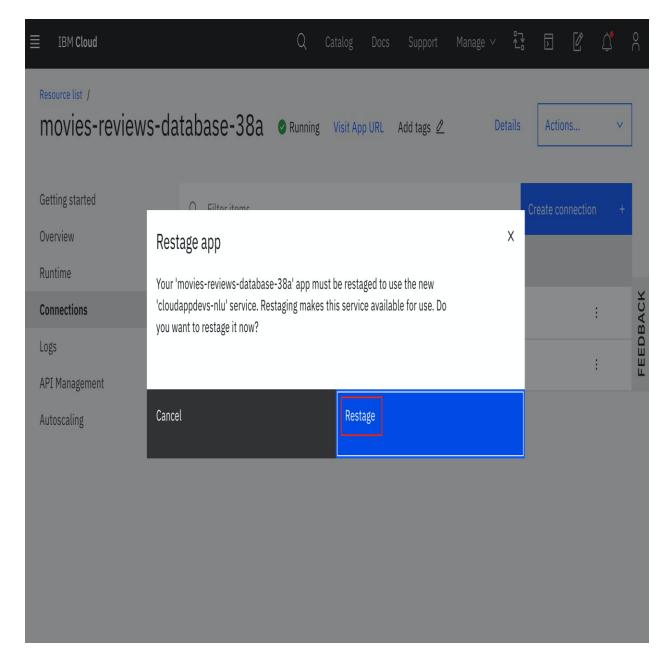


Confirm the access role in the next screen. You are again informed that your application will need to be restaged.

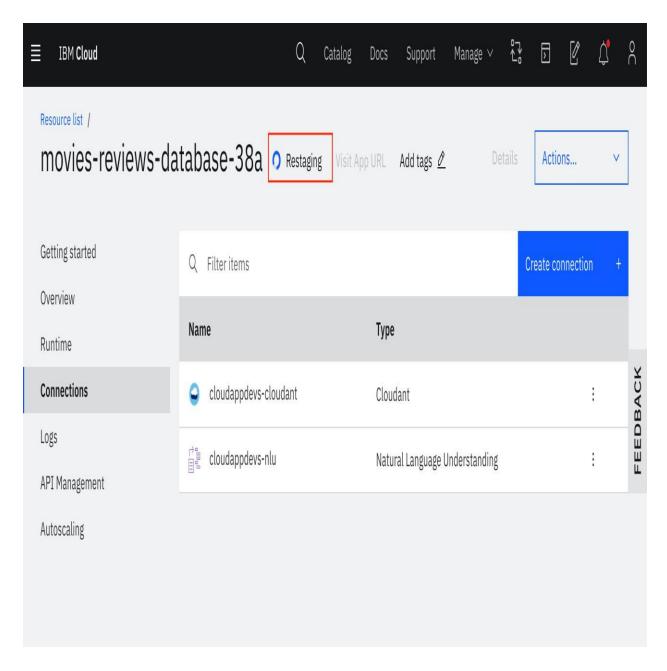


Restage the application

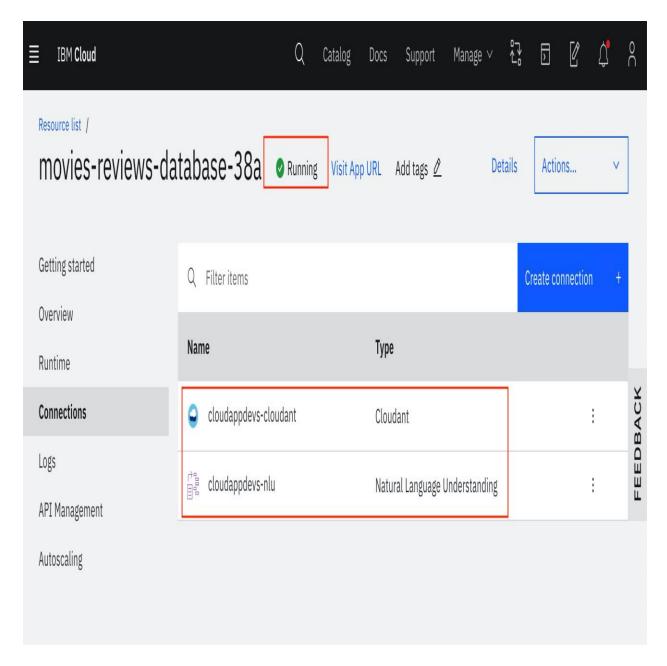
Let's restage the application at this time.



You should see the application is being **restaged** and hence the URL is inactive.

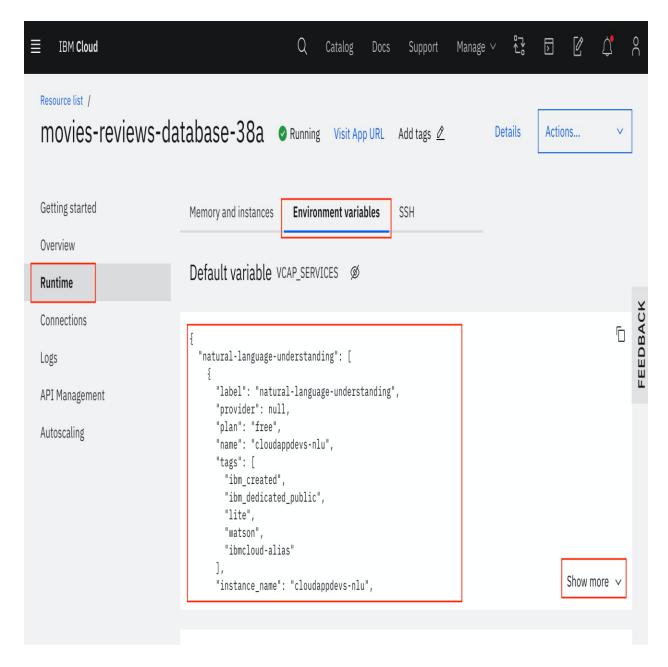


Once the restage has finished, the application status should change to **Running** and the **Visit App URL** link should be active again.



Take a screenshot of this page and save it as **connections.jpg**. You will be asked to upload it for the final project grading. The screenshot must show both the Cloudant and the Natural Language services connected with your application as shown above.

You can also see the service credentials are now available in the runtime section of the page. Click on **Runtime** and the **Environment Variables**.



Congratulations! You connected IBM Cloud services to your Cloud Foundry application.