

To deploy a machine learning model with IBM Cloud Watson Studio, you need to follow several steps. In this part, we will cover the development part of the process. Here's a step-by-step guide:

1. Sign in to IBM Cloud: Go to the IBM Cloud website (<https://cloud.ibm.com>) and sign in using your IBM Cloud account credentials.
2. Create a Watson Studio service: Once you're logged in, click on the "Catalog" button at the top of the page. In the catalog, search for "Watson Studio" and select the service from the results. Click on the service to create a new instance.
3. Create a project: After creating the Watson Studio service, you'll be redirected to the Watson Studio dashboard. Click on the "Create a project" button to start a new project.
4. Define project details: In the project creation page, provide a name and optional description for your project. You can also choose to create a project from a sample or blank template. Select the appropriate options and click on "Create."
5. Add data assets: In your project, click on the "Add to project" button and select "Data" from the dropdown menu. You can upload your data files or connect to various data sources such as IBM Cloud Object Storage or IBM Db2 Warehouse on Cloud.
6. Create a notebook: Click on the "Add to project" button again, but this time select "Notebook" from the dropdown menu. Choose a runtime environment (such as Python 3.7) and click on "Create."
7. Develop your model: In the notebook, you can write code using Python or R to develop and train your machine learning model. Watson Studio provides pre-installed libraries and tools to assist in your development process. You can also leverage Jupyter notebooks for interactive development.
8. Save and share your notebook: Once you have written and tested your code, save the notebook by clicking on the "Save" button. You can also share the notebook with other collaborators by clicking on the "Share" button and providing their email addresses.