

Getting started Watson Studio



Watson Studio

Getting started with Watson Studio

- The purpose of this unit is to show you how to get started using IBM Watson Studio for completing each of the case studies in this course.
- Each case study in this course may be executed either on your own computer or inside of Watson Studio. Watson Studio is a cloud-based platform that you may use to easily work with notebooks and data. To run in Watson Studio you will need to make some modifications to the notebooks as described below.
- You will be provided the files for each case study that you may download to your local machine.
- Or, you may download a zip archive file that you can import into Watson Studio.

Process overview

1. **Get your IBMid:** If you do not have an IBMid, [you may sign up for one here](#).
2. **Log into IBM Cloud:** Once you have your IBMid, [log into the IBM Cloud](#).
3. **Provision a new instance of Watson Studio:** You will be *provisioning* a new instance of Watson Studio into your IBM Cloud account.
4. **Log in to Watson Studio:** Log in to your new Watson Studio instance.
5. **Create a new project:** In Watson Studio, create a new empty project.
6. **Import the zip archive into project:** Import the contents of the zip archive for the case study into your new project.
7. **Open the Jupyter notebook:** Open the notebook for the case study and modify it to run in the IBM Cloud per the instructions below.

Case study file

Before you log into IBM Cloud, download this file and save it to your local computer:

AI-Enterprise-Workflow-Module-1-Case-Study.zip

This file is the file you will be importing into a Watson Studio project. It contains the Jupyter notebooks and data files needed to work on the case study for this Module.

Using the case study file and other course notebooks in Watson Studio

All of the notebooks in these courses are written to run locally on your computer running a Jupyter notebook server. If you wish to run the notebooks in Watson Studio in the IBM Cloud, you will need to add some modifications to each notebook.

Why? Because once you import a course notebook and the data files for that notebook into a Watson Studio project, the data files are no longer available to the notebook!

This is simply due to the fact that the imported data files are stored in an IBM Cloud Object Storage (COS) bucket. The notebook does not have access to those objects in the COS bucket. Thus, if you import a notebook and its data files into a Studio project then try to run it, the notebook will return "File not found" errors.

In order to make the data files available to your notebook, you will need to run some code in your notebook to:

1. Access the correct COS bucket
2. Read your data file from the bucket into a byte stream object
3. Write that byte stream object to the virtual disk of the container running the notebook.

We have written some guidance and Python functions to do this for you. Just visit <http://ibm.biz/notebook-in-studio> and follow the step-by-step guidance there. The functions are based on the IBM Python library called [project-lib](#).