

Create an IBM Watson Studio instance

From IBM Cloud, we will instantiate a Watson Studio service, as the anchor for the toolset within IBM Cloud. Note that this is a one-time setup, only one instance of Watson Studio per region needs to be created.

1. Log-in to you IBM Cloud account's dashboard (at <https://console.bluemix.net/dashboard/apps>)



2. Click the [Create Resource] button at the top right
3. In the search filter field, add the single word `studio`. This should reveal the lite services having the `studio` word in their name.

Catalog

🔍 `label:lite studio`

All Categories (4) >

Compute
Containers
Networking
Storage
AI (3)
Analytics (1)
Databases
Developer Tools
Integration
Internet of Things
Security and Identity
Starter Kits

AI



Knowledge Studio

Lite • IBM

Build custom models to teach Watson the language of your domain.



Watson Studio

Lite • IBM

Embed AI and machine learning into your business. Create custom models using your own data.

and click the `Watson Studio` tile.

NOTE: Make sure to use `Watson Studio`, and not `Knowledge Studio`

4. You are taken to the service creation page. Although it is possible to create an instance of Watson Studio in either `US South` or `United Kingdom` regions, it is recommended to use `US South` because this is where services, including new beta ones are updated first. You can change the service name suffix or keep the suggested name. Keep the `Lite` service plan and

click the [Create] button.

Service name:

Choose a region/location to deploy in:

US South

Select a resource group: ⓘ

Default

Pricing Plans

Monthly prices shown are for country or region: [United States](#)

PLAN	FEATURES	PRICING
✓ Lite	1 authorized user 50 capacity unit-hours monthly limit 1 free small compute environment with 1 vCPU and 4 GB RAM (does not require capacity unit-hours)	Free

The Lite plan for Watson Studio offers everything you need to become a better data scientist or domain expert in a collaborative environment.

Lite plan services are deleted after 30 days of inactivity.

thly Cost
[or](#)

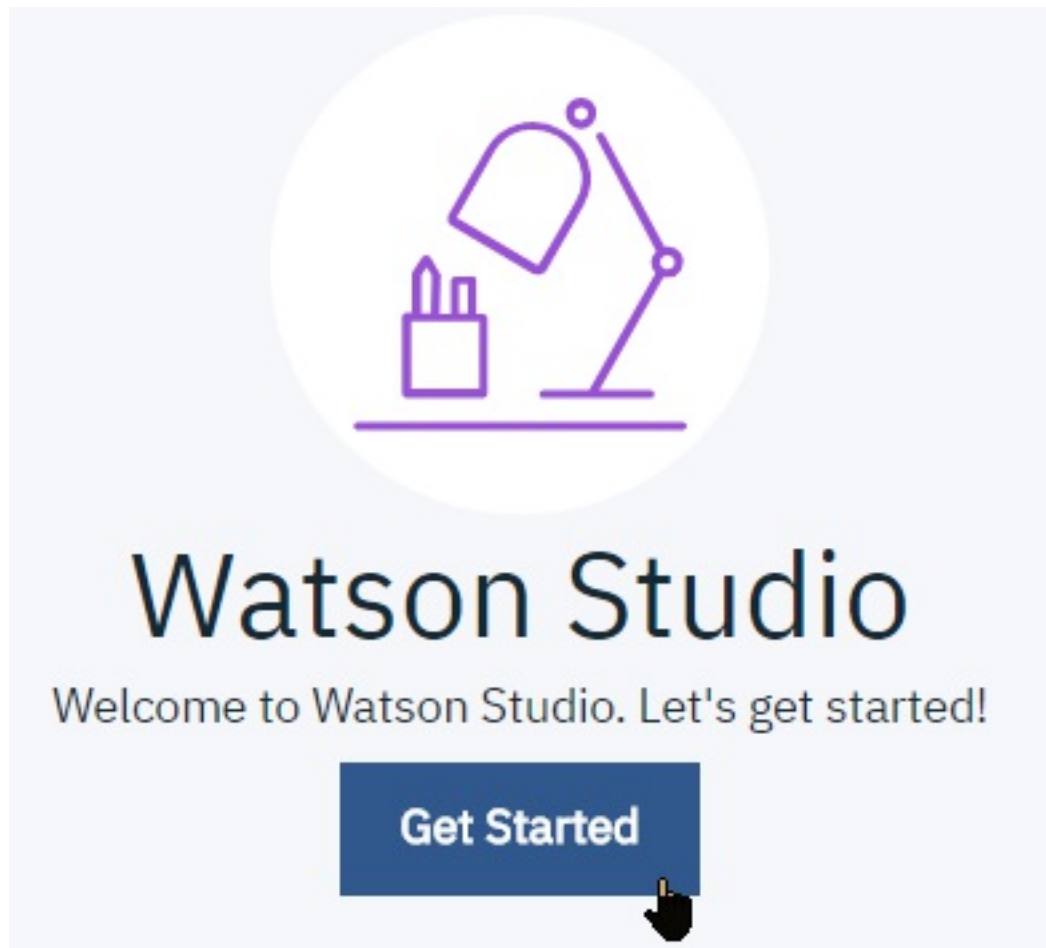
Create

NOTE: In the rest of the labs, if you created your Waston Studio instance in the `US-South` region, you will need to use the plain URLs without prefix, e.g. `dataplatfom.ibm.com` , but if you created in the `United Kingdom` region, you will need to use the `eu-gb` URLs, e.g. `eu-gb.dataplatfom.ibm.com` .

Creating a Watson Studio project

Now that we have put in place the infrastructure to work with Data & AI, we can start creating a project for a specific data handling project.

1. If not already signed-in, login to your Watson Studio environment within IBM Data Platform. For this, go back to the IBM Cloud dashboard, select the `Watson Studio` service instance, and click the '[Get



Started]' button

The first time you start the Watson Studio UI, you will be asked to confirm some details, click the [Continue] button:

Select Organization and Space

Confirm your IBM Cloud organization and space information below.

[Or create new organization and space](#)

Select IBM Cloud account

Workshop User's Account



IBM Cloud Organization

iotnice-watstud0724@yahoo.com



IBM Cloud Space

dev



IBM Resource Group

Default



Continue



, and then validate



Done!


Your Watson apps are ready to use.


Get Started

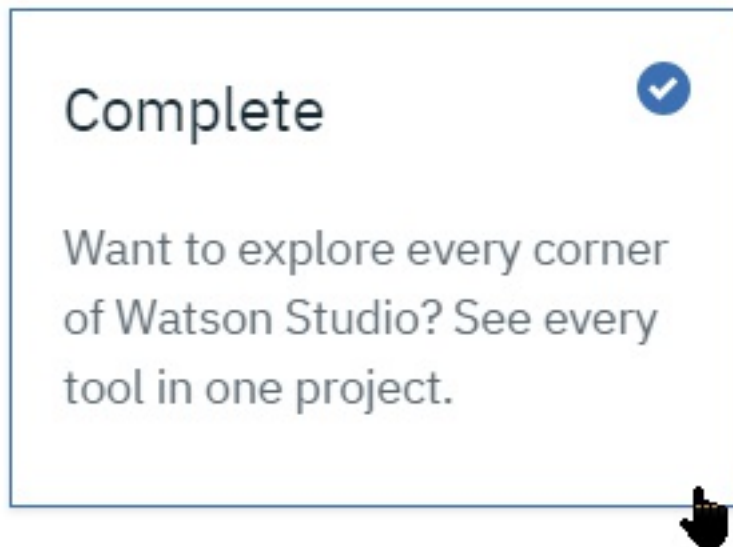


Note that you can also go directly to the service's Cloud Web UI using the URL for the region where

the service has been created, either <https://dataplatform.ibm.com/projects?context=analytics> for 'US-South' or <https://eu-gb.dataplatform.ibm.com/projects?context=analytics> for 'United Kingdom'

Create a new project using the **Create a Project** button tile 

Then select a **Standard** configuration. This governs which tools are made available to the project, and can be altered later if need be 



Validate with the **[OK]** button

2. Name this new project e.g. **WatStud_Workshop**.

Note that you will want to leave the 'Restrict who can be a collaborator' unchecked, it will make sharing the project with another account more straightforward.

Watson Studio stores its file-like artifacts into an instance of **Cloud Object Storage**, we will create a COS service instance at this stage:

Define storage

① Select storage service

Add

 Add an object storage instance and then return to this page and click Refresh.


② Refresh

Currently, your only choice is IBM Cloud Object Storage. Information stored with IBM Cloud Object Storage is encrypted, resilient and dispersed across multiple geographic locations, and accessed over HTTP using a REST API.

Each project and catalog has its own dedicated bucket.

1. Select the Lite Plan

Pricing Plan: Monthly Process shown above reflect the: **United States**

PLAN	FEATURES	PRICING
 Lite	1 COS Service Instance Storage up to 25 GB/mo. Up to 20,000 GET requests/mo. Up to 2,000 PUT requests/mo. Up to Data Retrieval 10 GB/mo. Up to 5GB Public Outbound Applies to aggregate total across all storage bucket classes	Free
The Lite service plan for Cloud Object Storage includes Regional and Cross Regional resiliency, flexible data classes, and built in security.		

2. Accept the default names for resource group and Service name
3. Back to the Project creation page, select Refresh then the new Object Storage service instance
4. Finally, click Create:

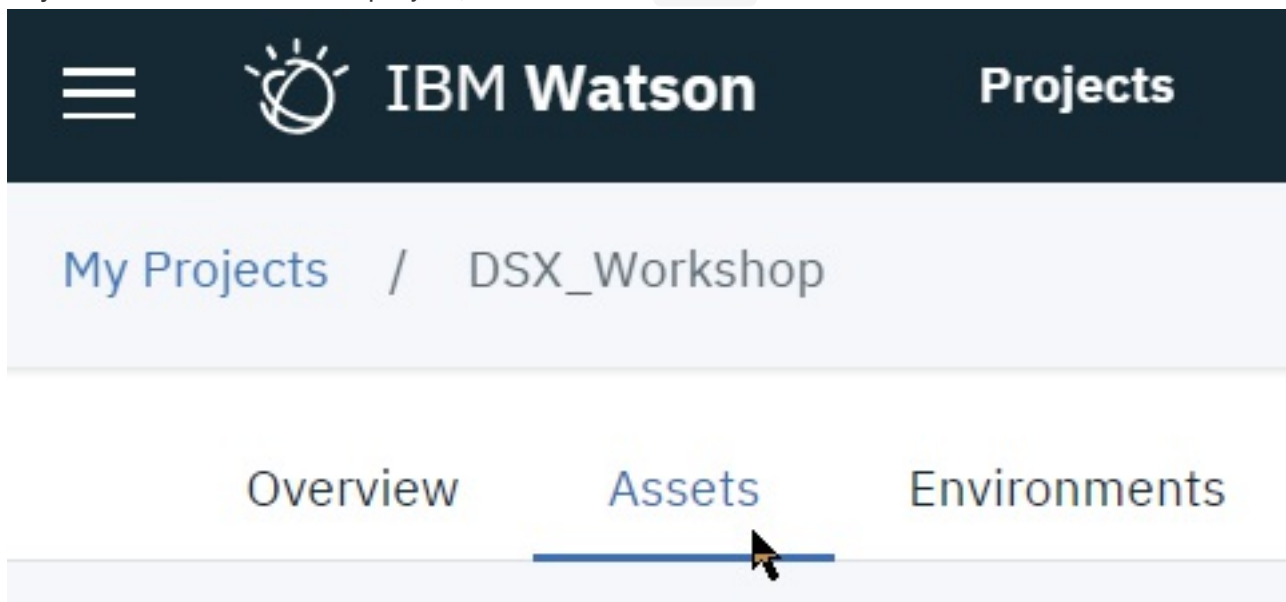


Note that COS instance needs to be created only once, it will hold projects' artifacts in separate buckets for each.

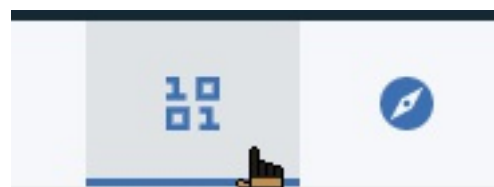
Loading Data Assets for the project

We will load some of the files used during the Hands-On lab as Data Assets available to your project. The files are available in the Box folder.

1. In your IBM Watson Studio project, switch to the **Assets** tab:

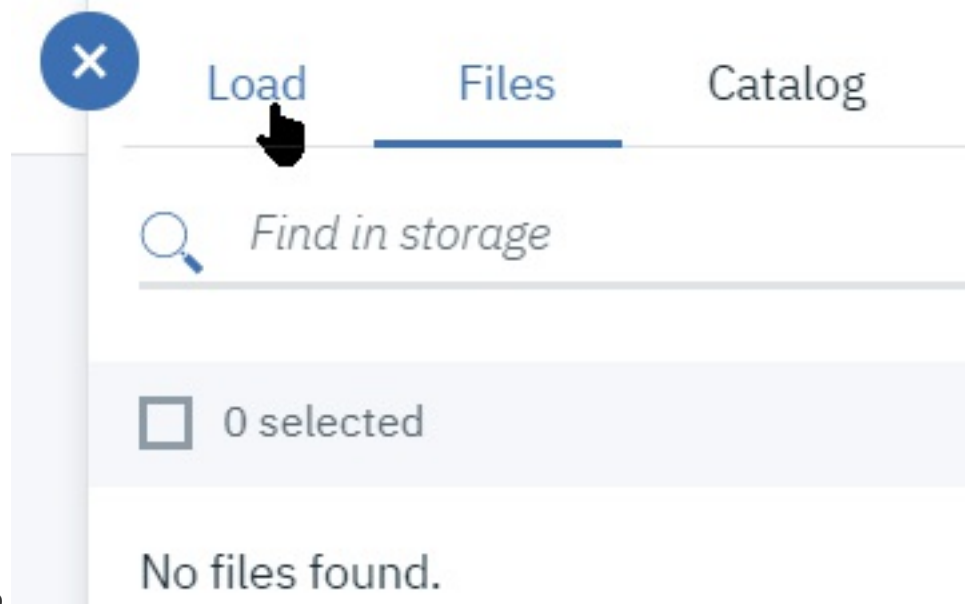


2. Initially the Data Assets list should be empty. If not opened yet, open the Data Pane by selecting the



Find and add data

1001 icon at top right:



3. Select the **Load** tab
4. Click Browse to add files that you will have downloaded to your computer's disk from the Box folder. Among the files that we will need, you can start loading the following ones:
The source data for these files can also be found at their original location on the web.

File name	Original location
GoSales_Tx.csv	https://datapatform.cloud.ibm.com/exchange/public/entry/view/ba9a3008817bb1
cars.csv	https://datapatform.cloud.ibm.com/api/exchange/actions/download-dataset/c81e9be8daf6941023b9dc86f303053b
201701-citibike-tripdata.csv	https://www.citibikenyc.com/system-data

5. Once done, the files will show up in the **Data assets** list.

Quick assessment of the Data Asset






You can quickly browse through sample from one of the Data Assets, so as to get an idea of the data format.


For example:

1. From the **Assets** tab in the project page, select the **cars.csv** data asset by clicking on it
2. This opens a preview of the data in tabular format. Data set has 9 columns and 406 rows.

Note that you can change the Data Asset metadata such as the Description and the Tags from the Information side bar and clicking on the pencil to go in edit mode.

The screenshot shows a sidebar for editing a data asset. At the top is a toolbar with five icons: an information icon (i), a refresh icon, a speech bubble icon, a grid icon, and a pencil icon. Below the toolbar, the sidebar has a close button (X) and a 'Data Asset' header with a folder icon. The asset name 'cars.csv' is displayed in large bold text. Underneath is the 'Description' section, which includes a text input area with a placeholder 'Description' and a character count '300'. Below the description are 'Apply' and 'Cancel' buttons. The 'Tags' section follows, showing 'No tags available for this asset'. At the bottom, the 'Added' date and time are '02:26 PM UTC, 2018/09/10' and the 'Size' is '20.963 KB'.



 Data Asset

cars.csv

Description

Description

300

Apply

Cancel

Tags

No tags available for this asset

Added: 02:26 PM UTC, 2018/09/10

Size: 20.963 KB