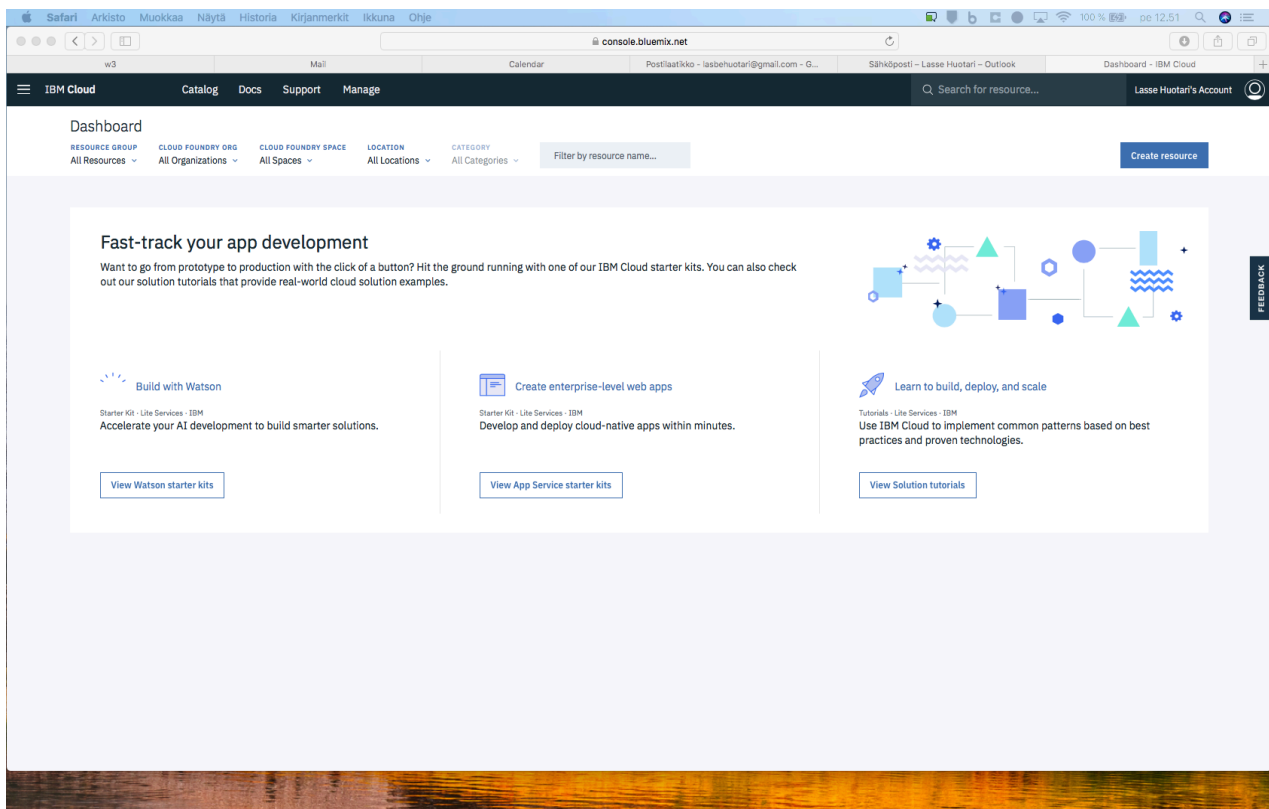


Getting started with Watson Studio

1. Getting your IBMid

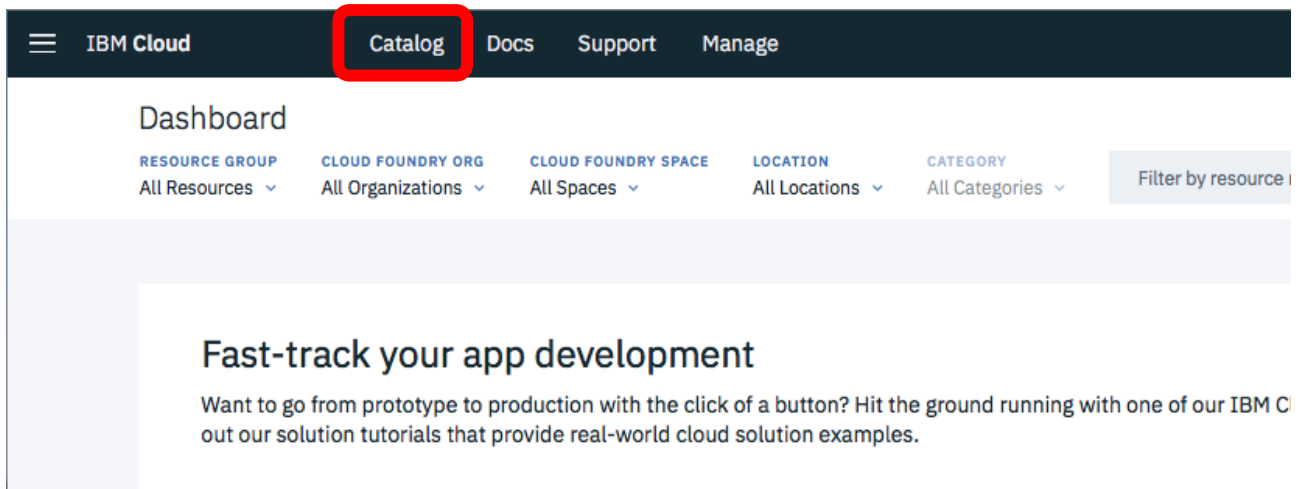
If you already have IBMid log in to bluemix.net and jump to part 2 of this pdf.

1. Go to bluemix.net, press Create a free account and provide your information
2. Press Create Account
3. Complete your registration by checking your mail
4. Log in to Bluemix.net and the privacy Statement
5. After this you should see this screen

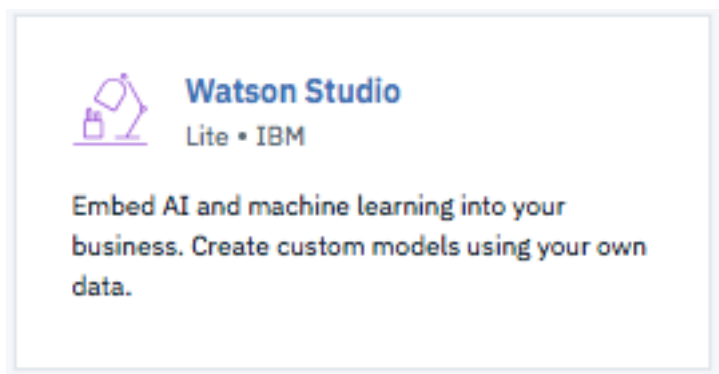


2. Getting the tools

1. Press the catalog button in upper right corner



2. Find Watson Studio and click it



3. Give name to your service (Good name will help you keep track on your services).
4. Leave region to United Kingdom and Resource group as it is

Service name:

Choose a region/location to deploy in:

United Kingdom

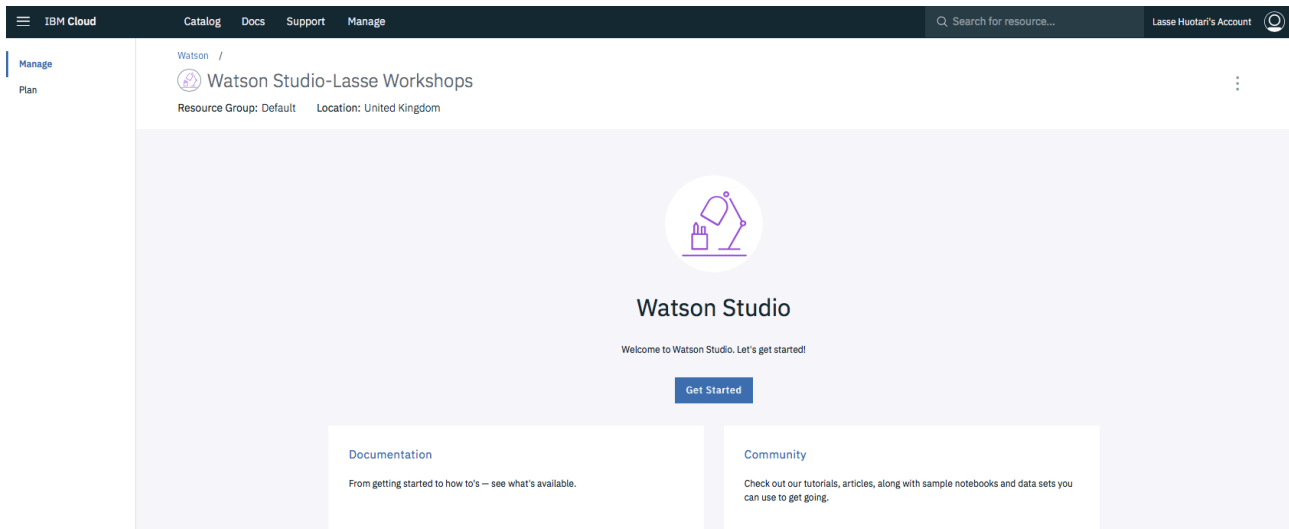
Select a resource group:

Default

5. Scroll down to the end of the page and make sure that Lite plan is Checked

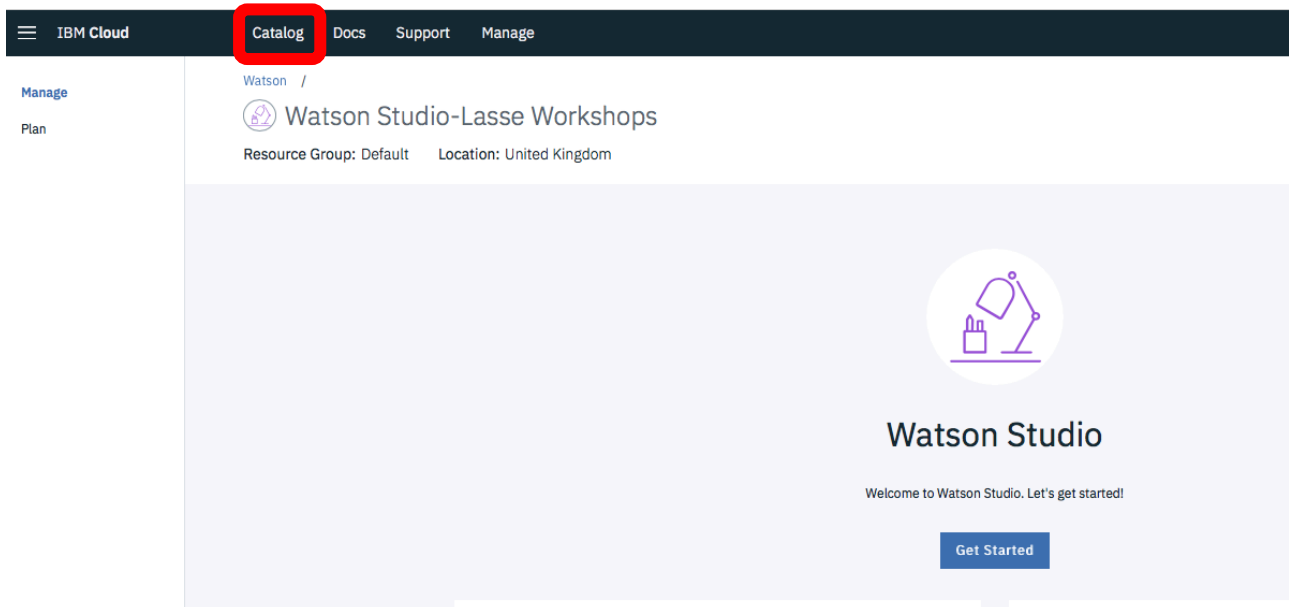
PLAN	FEATURES	PRICING
✓ Lite	1 authorized user 50 capacity unit-hours monthly limit 1 free small compute environment with 1 vCPU and 4 GB RAM (does not require capacity unit-hours)	Free
The Lite plan for Watson Studio offers everything you need to become a better data scientist or domain expert in a collaborative environment. Lite plan services are deleted after 30 days of inactivity.		

6. Click Create
7. Great now you should see screen like this

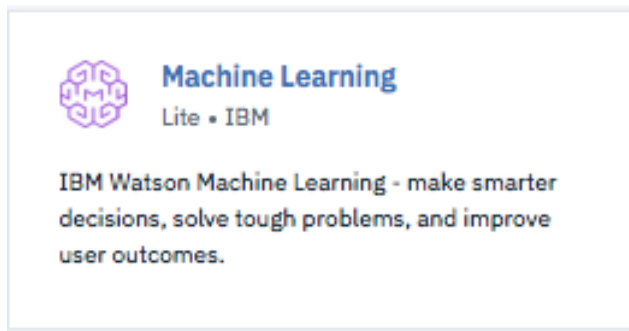


Before we continue to Watson Studio let's create Watson Machine learning service

8. Press the catalog button in upper right-hand side of the page



9. Find Watson Machine Learning



10. As we did with Watson Studio let's name the machine learning service, and check that other options are correct.

Service name:

Machine Learning-Lasse_Workshop

Choose a region/location to deploy in:

United Kingdom

Select a resource group: 1

Default

11. Let's scroll down and check that we have the lite plan checked

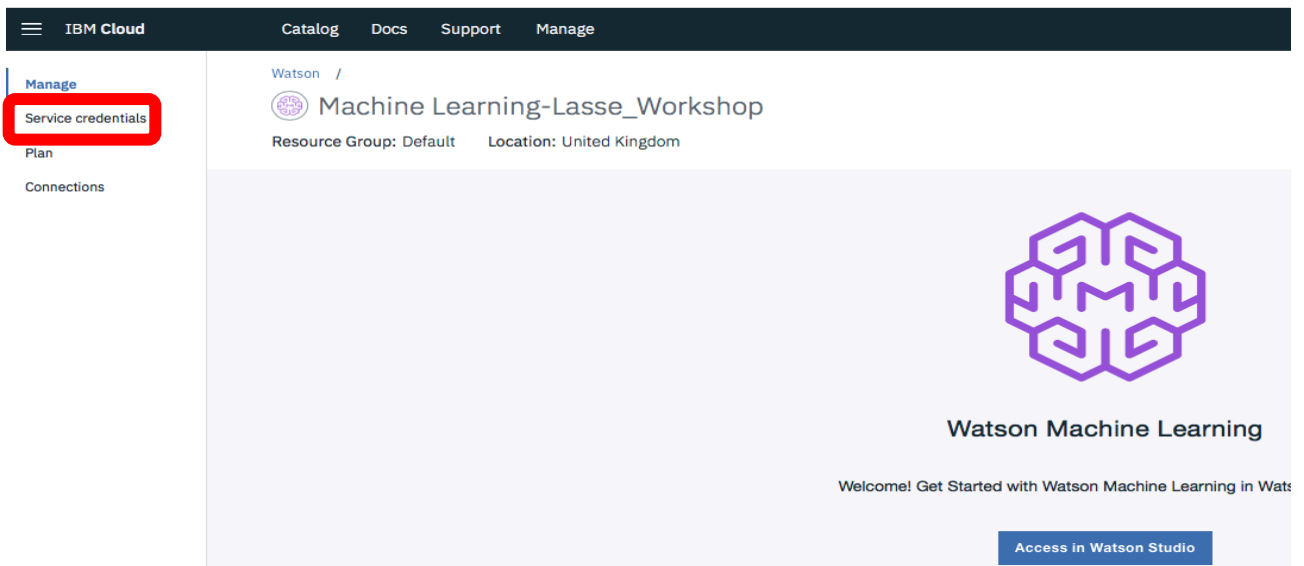
PLAN	FEATURES	PRICING
✓ Lite	<p>Service Instance (5 models per Instance)</p> <p>5,000 predictions</p> <p>50 capacity unit-hours:</p> <p>Compute Tier: k80 = 2 capacity units for 1 training hour</p> <p>Compute Tier: k80x2 = 4 capacity units for 1 training hour</p> <p>Compute Tier: k80x4 = 8 capacity units for 1 training hour</p> <p>Otherwise 1 capacity unit for 1 computation hour</p> <p>Max 8 k80 GPUs (Deep Learning Training)</p>	Free
<p>The lite plan instance of the IBM Watson Machine Learning service provides you with a maximum of 5 deployed models, 5,000 predictions per month, and 50 capacity unit-hours per month during which model can be trained, evaluated, and deployed to be available to accept prediction events, with a minimum of 1 minute per training job.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>		

12. Then press the create button.

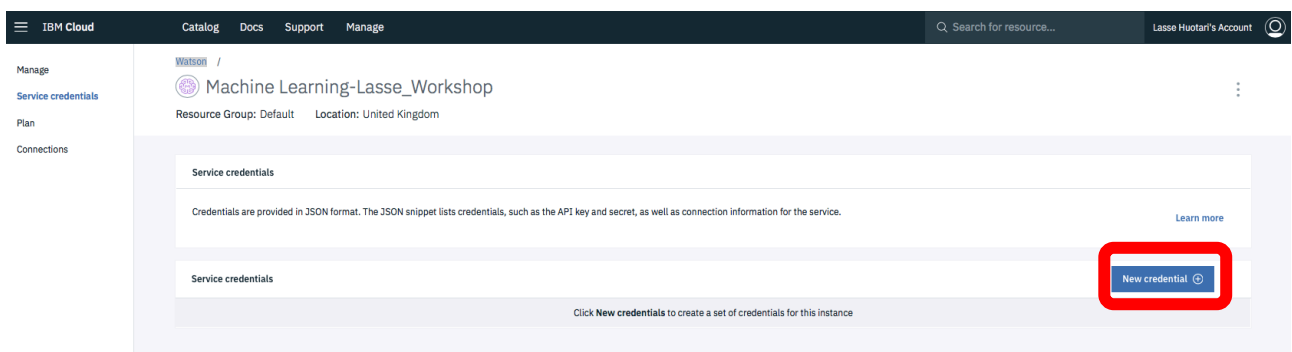
13. Good, now we have machine learning instance as well.

14. We need credentials for the second lab, so let's find them before we continue

15. On the left-hand side we see Service Credentials button, let's click on that



16. To create new credentials, press New Credentials button



17. You don't have to change any settings in this pop-up, so click just add.

×

Add new credential

Name:

Service credentials-1

Role: ⓘ

Writer

Select Service ID (Optional) ⓘ

Select Service ID...

Add Inline Configuration Parameters (Optional): ⓘ

Provide service-specific configuration parameters in a valid JSON object

Choose File...

Cancel

Add

18. To view your credentials click view credentials button

Service credentials

New credential

10

Items per page

1-1 of 1 items

1 of 1 pages

1

<input type="checkbox"/> KEY NAME	DATE CREATED	ACTIONS
<input type="checkbox"/> Service credentials-1	24. ELO 2018 - 01:22:49 PM	<div>View credentials</div> <div></div>

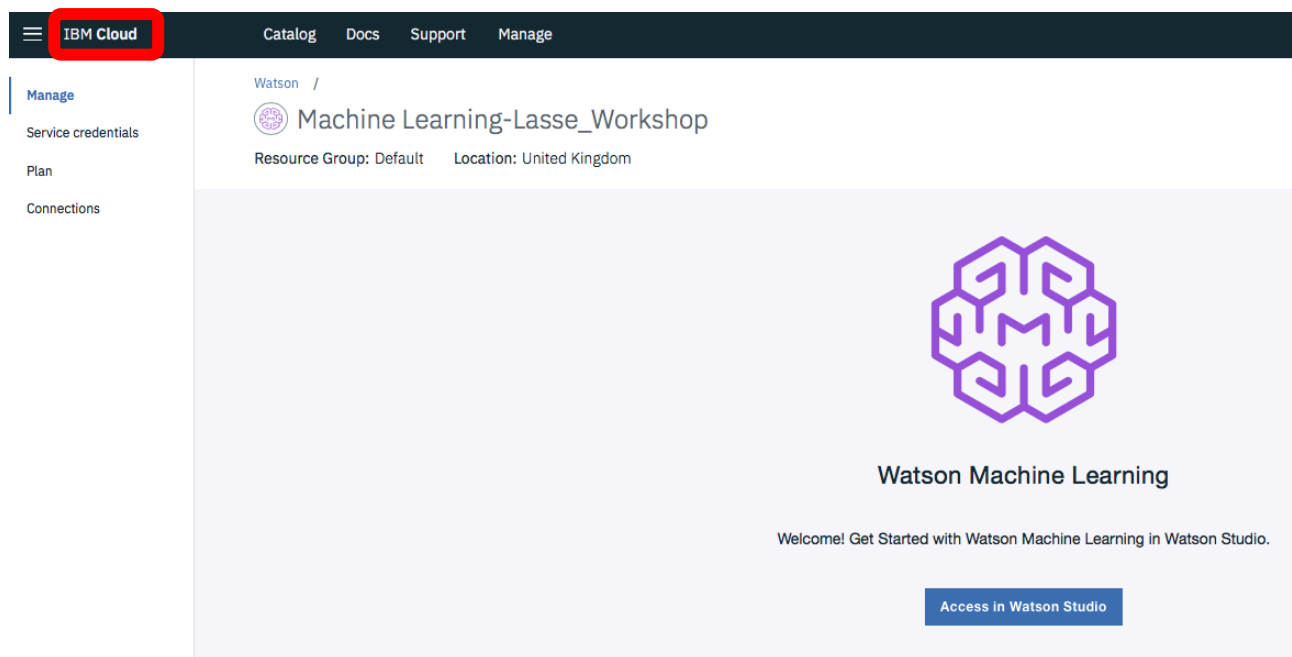
19. Copy credentials to notepad or somewhere else where you can easily find them when needed

Credentials work like a password. With these information's we can connect our notebooks to Machine Learning service, so don't share this with anyone unless you have a good reason.

Now, let's continue to part 3.

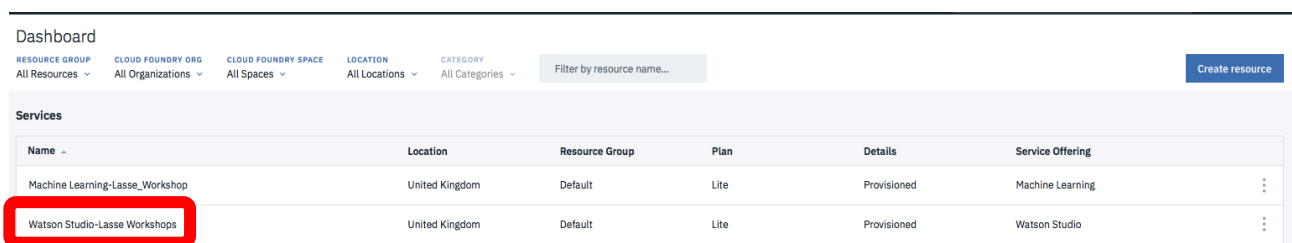
3. Seeing your services in Bluemix and how to access to them

20. Press IBM Cloud logo in upper right corner

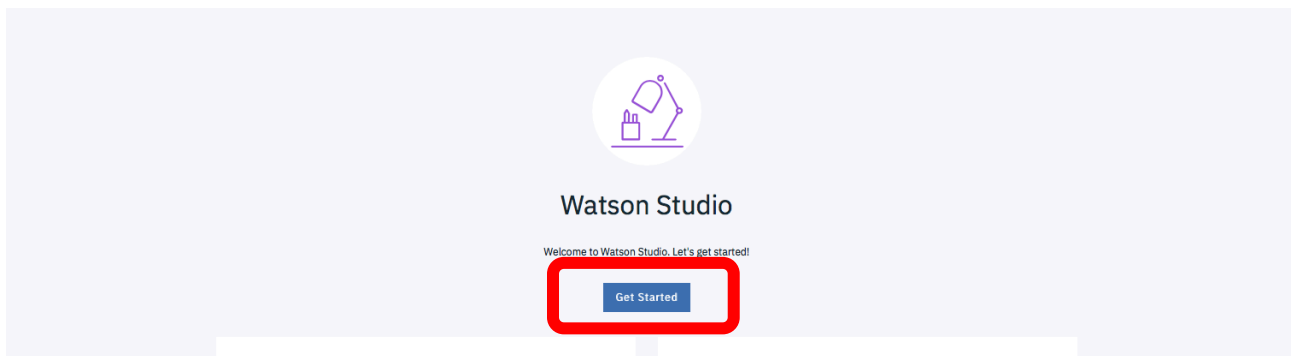


21. Dashboard is the page where you can manage and access to your apps.

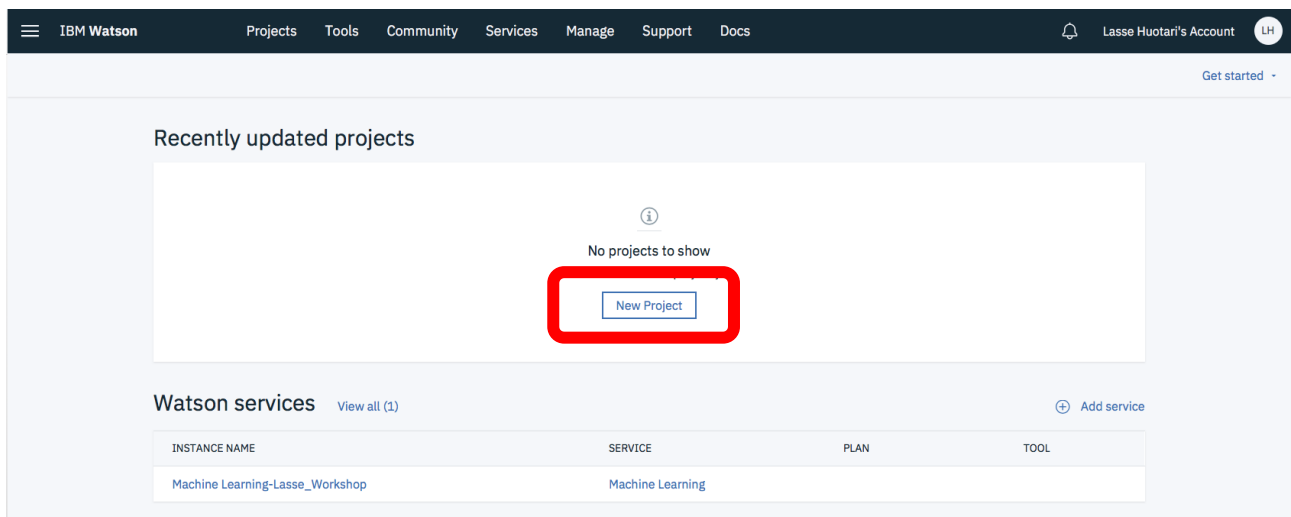
22. Click your Watson Studio Service



23. Click the Get Started button



24. Press new project button



25. Choose Complete project and click OK

26. Name your Project as you want and create new Cloud Object storage instance

New project

Define project details

Name

Workshop

92

Description

Project description

3000

Choose project options

☐ Restrict who can be a collaborator ⓘ

Project will include integration with [Cloud Object Storage](#) for storing project assets.

Define storage

1

Add

2

Refresh

Page service

Add or select storage instance and then return to this page and click Refresh.

Refresh

Let's talk

Cancel

Create

27. Scroll down to the bottom of the page and check that lite plan is selected. Then click Create

PLAN	FEATURES	PRICING
<input checked="" type="radio"/> 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
<input type="radio"/> Standard	There is no minimum fee, so you pay only for what you use.	-

[Cancel](#)
[Create](#)

28. Name your Cloud object storage and click confirm

Confirm Creation

Plan

Lite



Resource group

Default



Service name

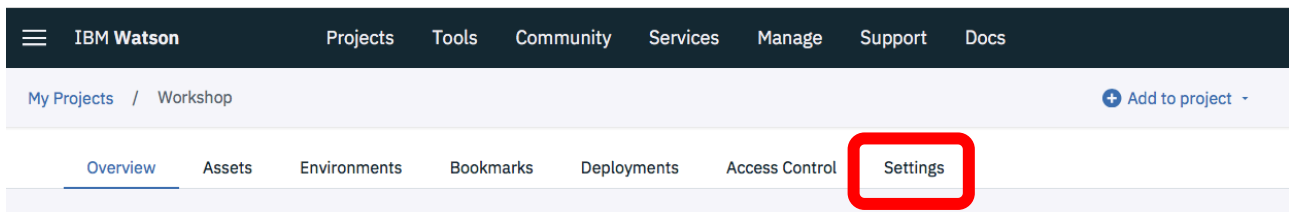
cloud-object-storage-Workshop

Cancel

Confirm

29. Press refresh and then click Create

30. After project has been created go to settings tab and scroll down until associated services



31. Click add service and choose Watson

32. Choose Machine learning

33. Go to Existing tab

Machine Learning

Existing

Machine Learning

IBM Watson Machine Learning is a full-service IBM Cloud offering that makes it easy for developers and data scientists to work together to integrate predictive capabilities with their applications. The Machine Learning service is a set of REST APIs that you can call from any programming language to develop applications that make smarter decisions, solve tough problems, and improve user outcomes.

Features

Machine Learning features

Take advantage of machine learning models management (continuous learning system) and deployment (online, batch, streaming). Select any of widely supported machine learning frameworks: Tensorflow, Keras, Caffe, Pytorch, Spark MLlib, scikit learn, xgboost and SPSS.

Wide choice of interfaces

Use the command line interface and Python client to manage your artifacts. Extend your application with artificial intelligence through the Watson Machine Learning REST API.

Integration with Watson Studio

Create and train machine learning models with the best tools and the latest expertise in a social environment built by and for data scientists.

34. Choose your machine learning instance from the list and press select

35. Go back to assets page

Great. Now you are ready to go.