Microsoft

Azure ML workshop

Vendredi 13 mars 2020

Vos interlocuteurs

- Franck Gaillard
- Cloud Solution Architect
- Franck.gaillard@microsoft.com

- Serge Retkowsky
- AI&ML specialist
- serge.retkowsky@microsoft.com

Connexion wifi visiteur

Accès au Wifi visiteurs

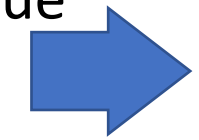
1. Nom du réseau Wifi : **MSFTGUEST**

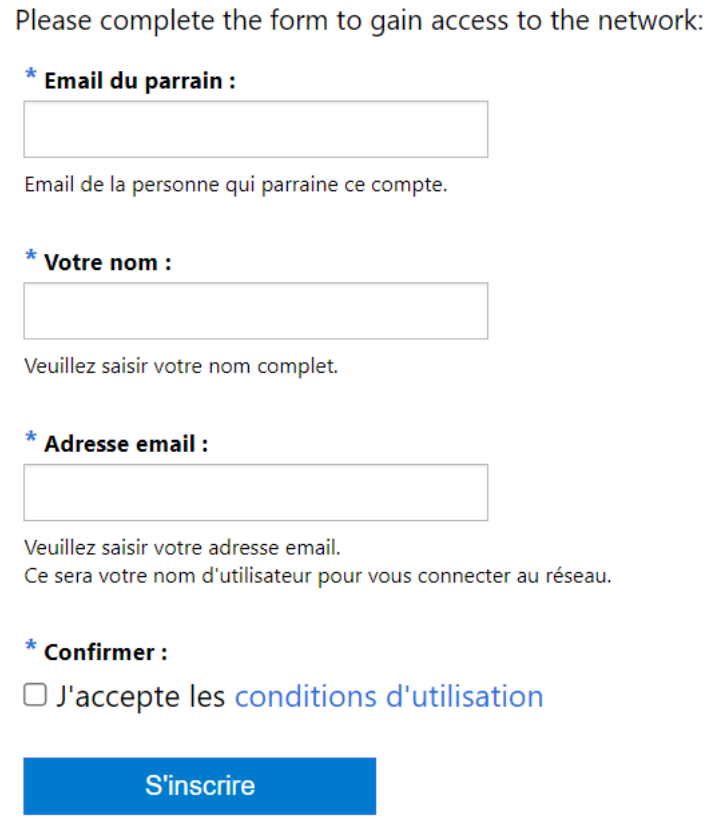
2. Bouton **« Visiting Guest »** 

3. Ensuite **« Create a Guest Account »**

4. Mentionner ensuite l'email du parrain, votre nom ainsi que votre adresse email.

   Email du parrain : franck.gaillard@microsoft.com
   ou seretkow@microsoft.com



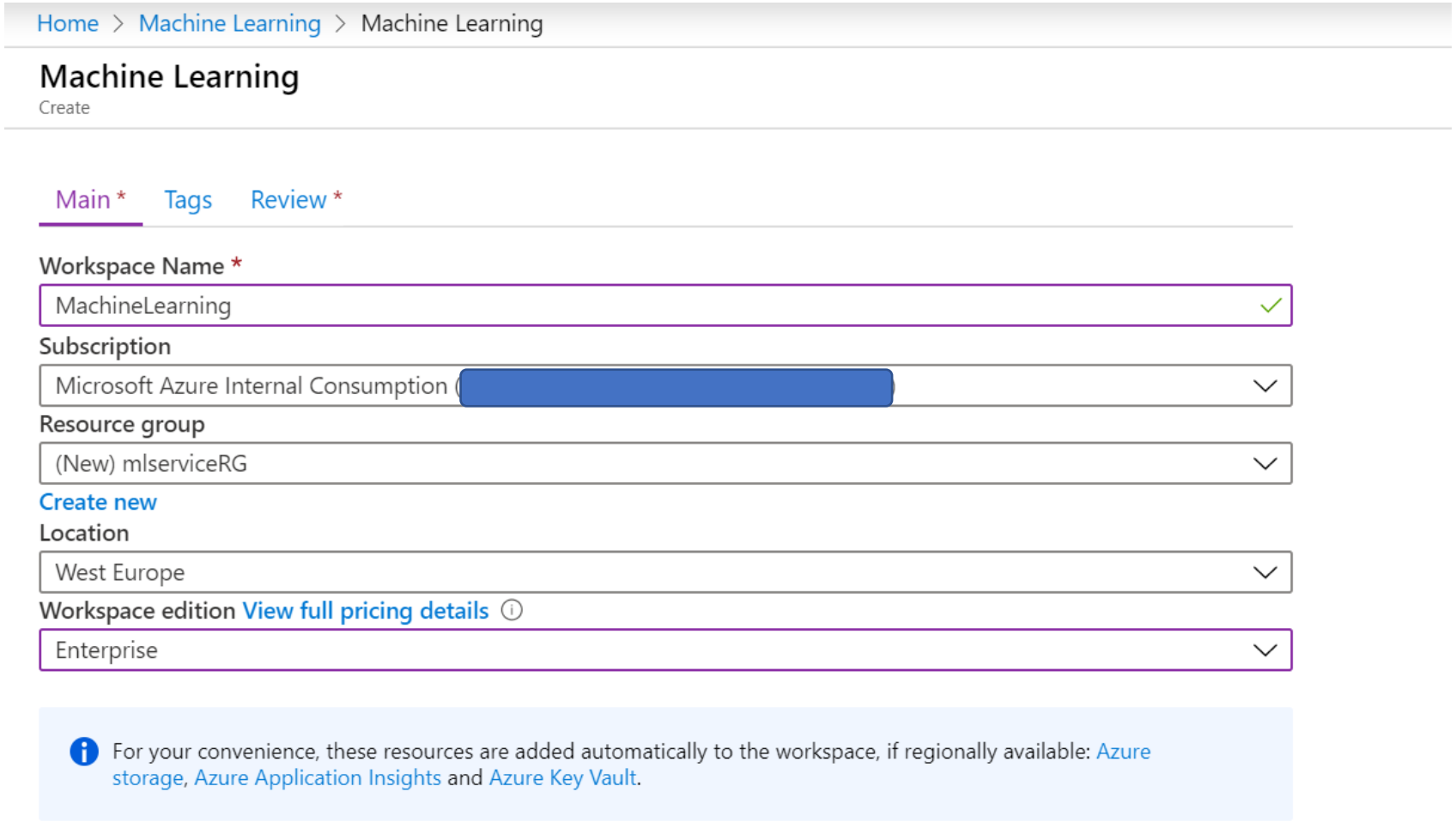


Vous aurez ensuite accès au réseau Wifi Microsoft après validation (prévoir quelques minutes)

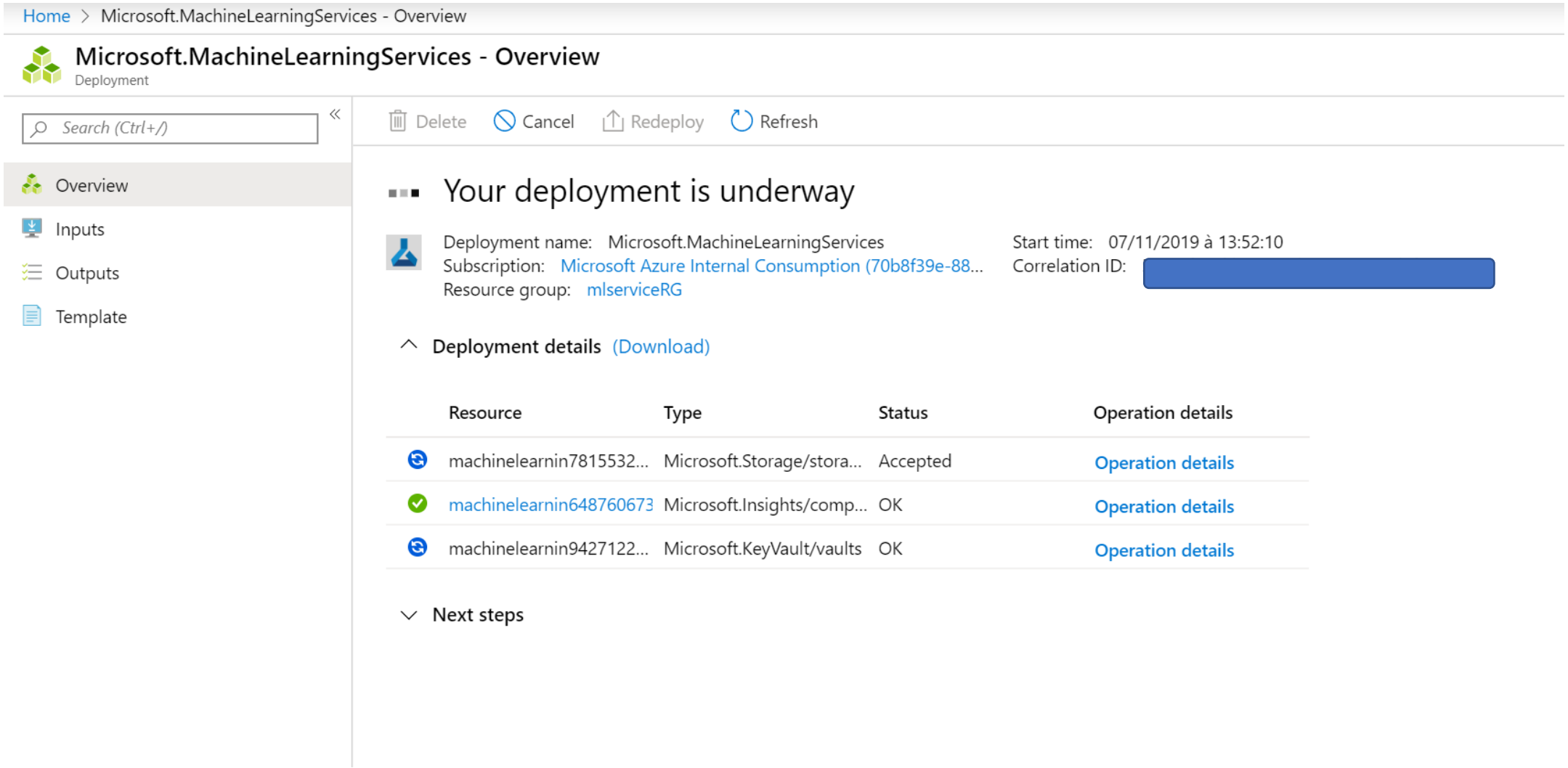
https://msftguesteu.partners.extranet.microsoft.com/

Provisionnement du service Azure ML

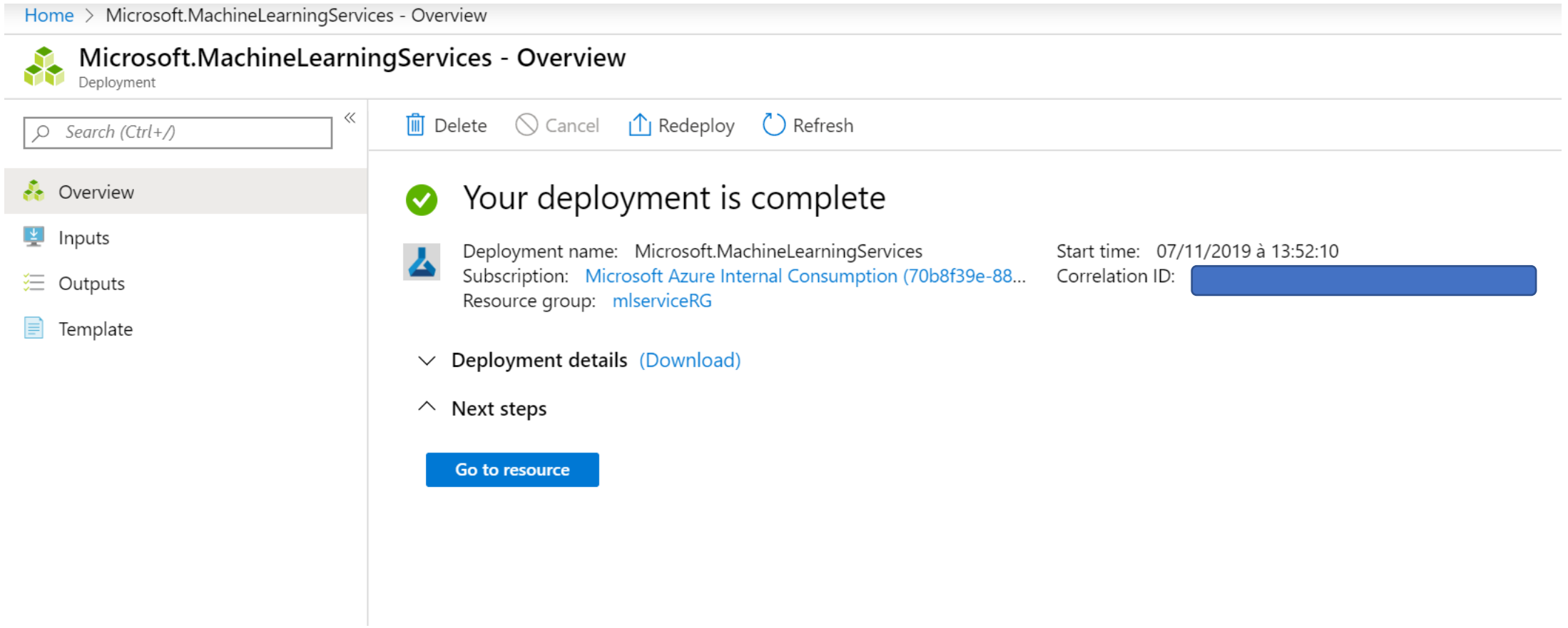
Provisionnement du service Azure ML service



Création en cours…



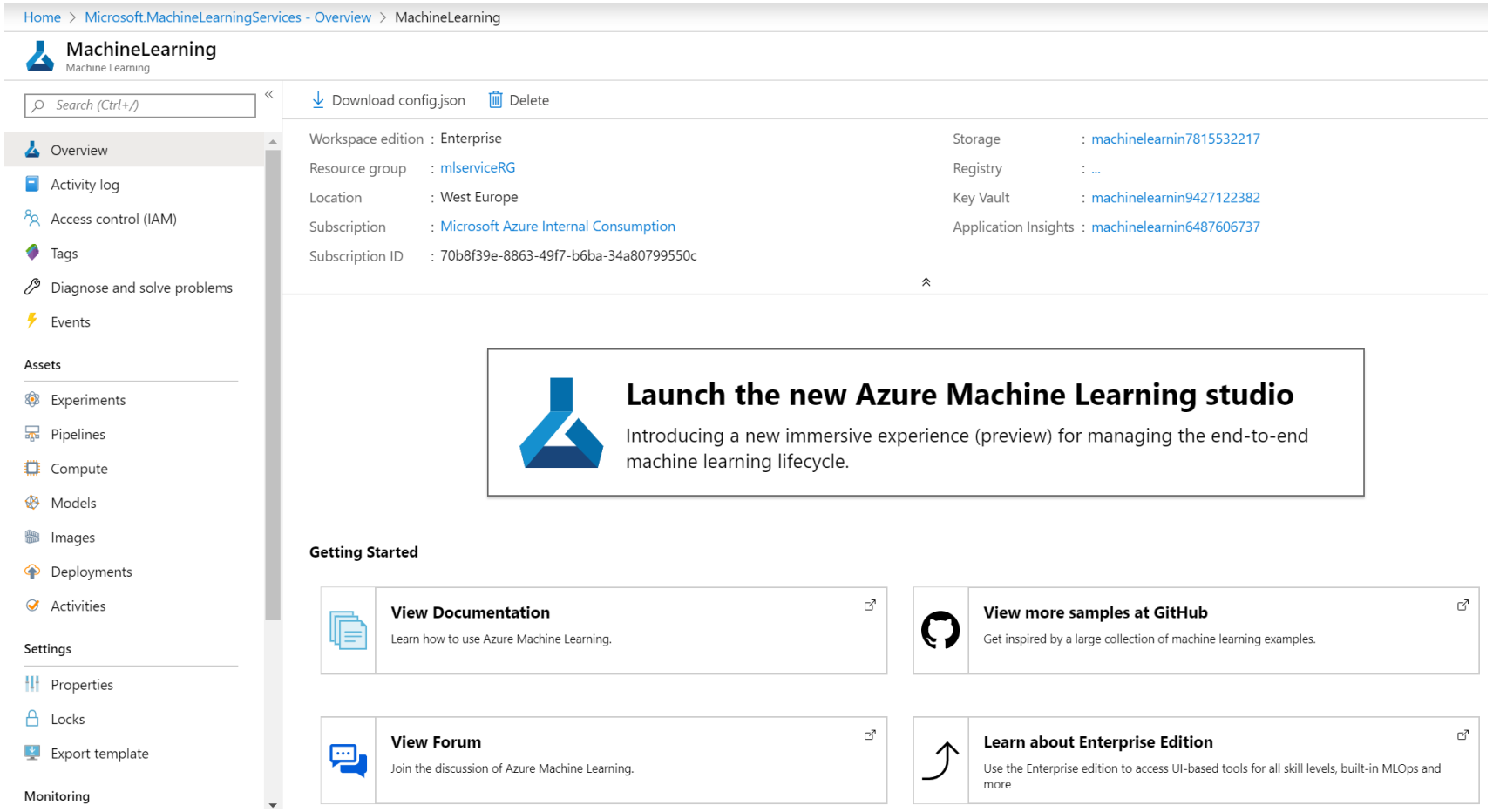
Fin de la création



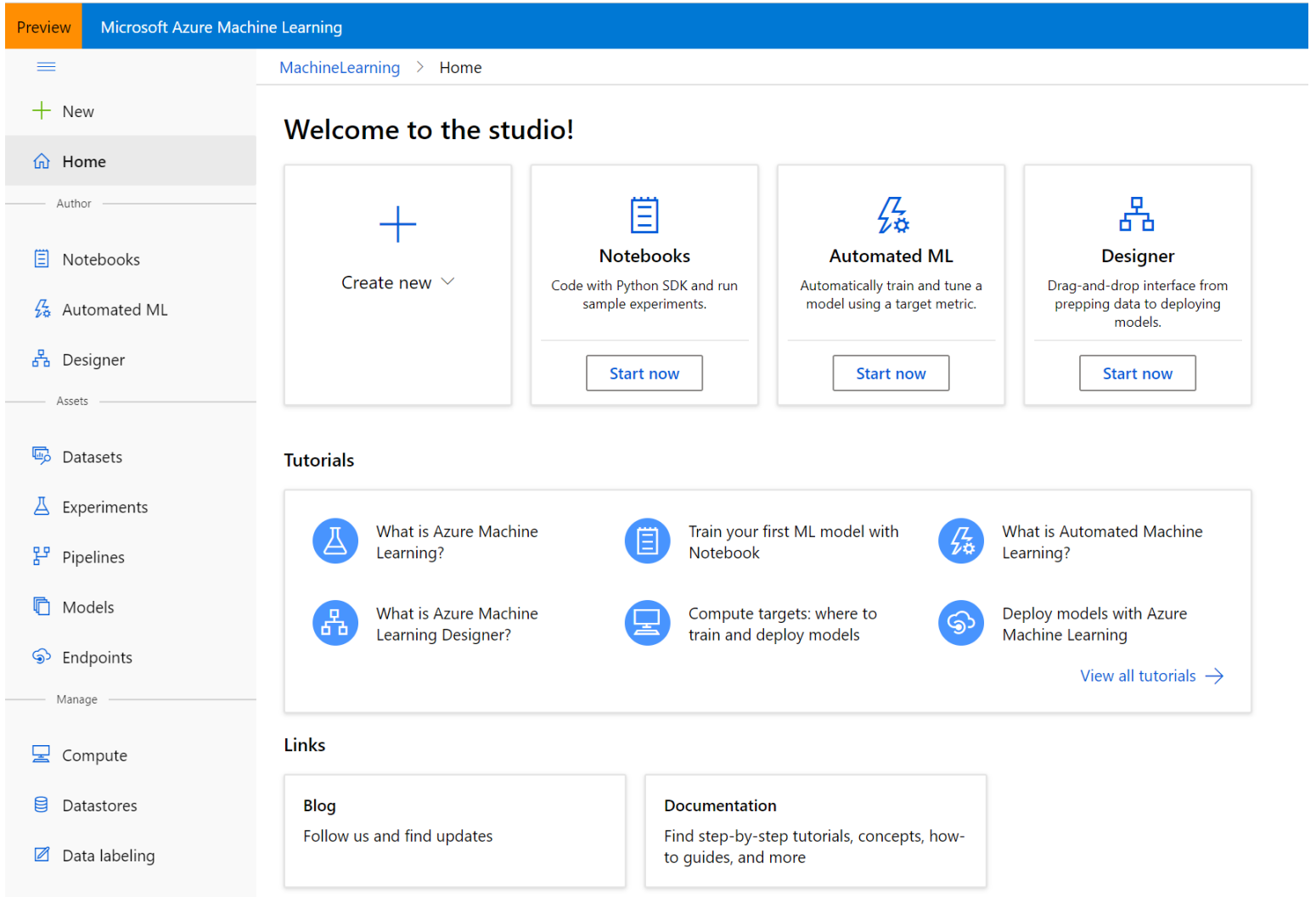
Ressources associées générées automatiquement

- Azure Container Registry: Registers docker containers that you use during training and when you deploy a model. To minimize costs, ACR is **lazy-loaded** until deployment images are created.
- Azure Storage account: Is used as the default datastore for the workspace. Jupyter notebooks that are used with your Azure Machine Learning Notebook VM are stored here as well.
- Azure Application Insights: Stores monitoring information about your models.
- Azure Key Vault: Stores secrets that are used by compute targets and other sensitive information that's needed by the workspace.

Accès au service

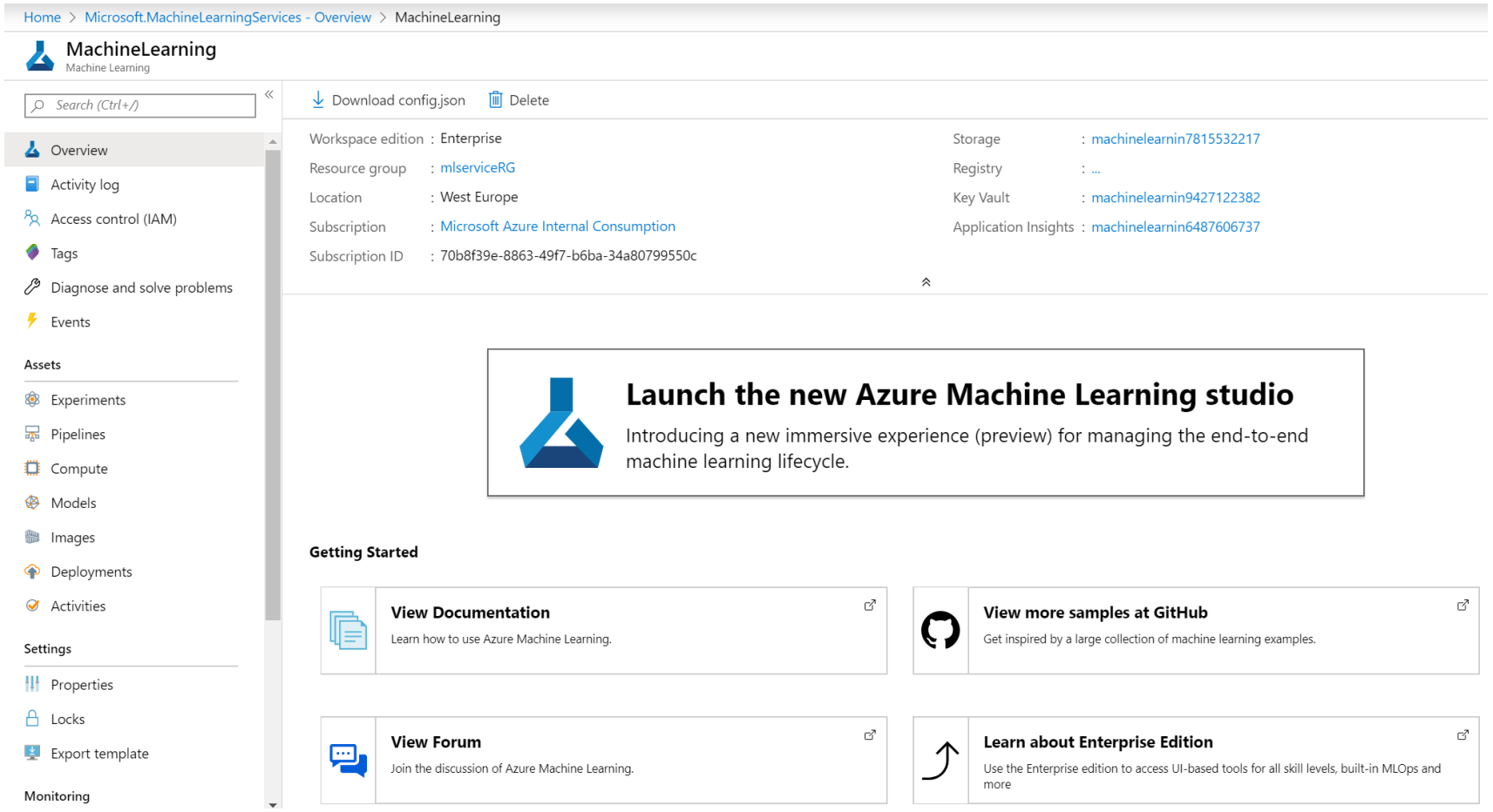


Azure ML Studio

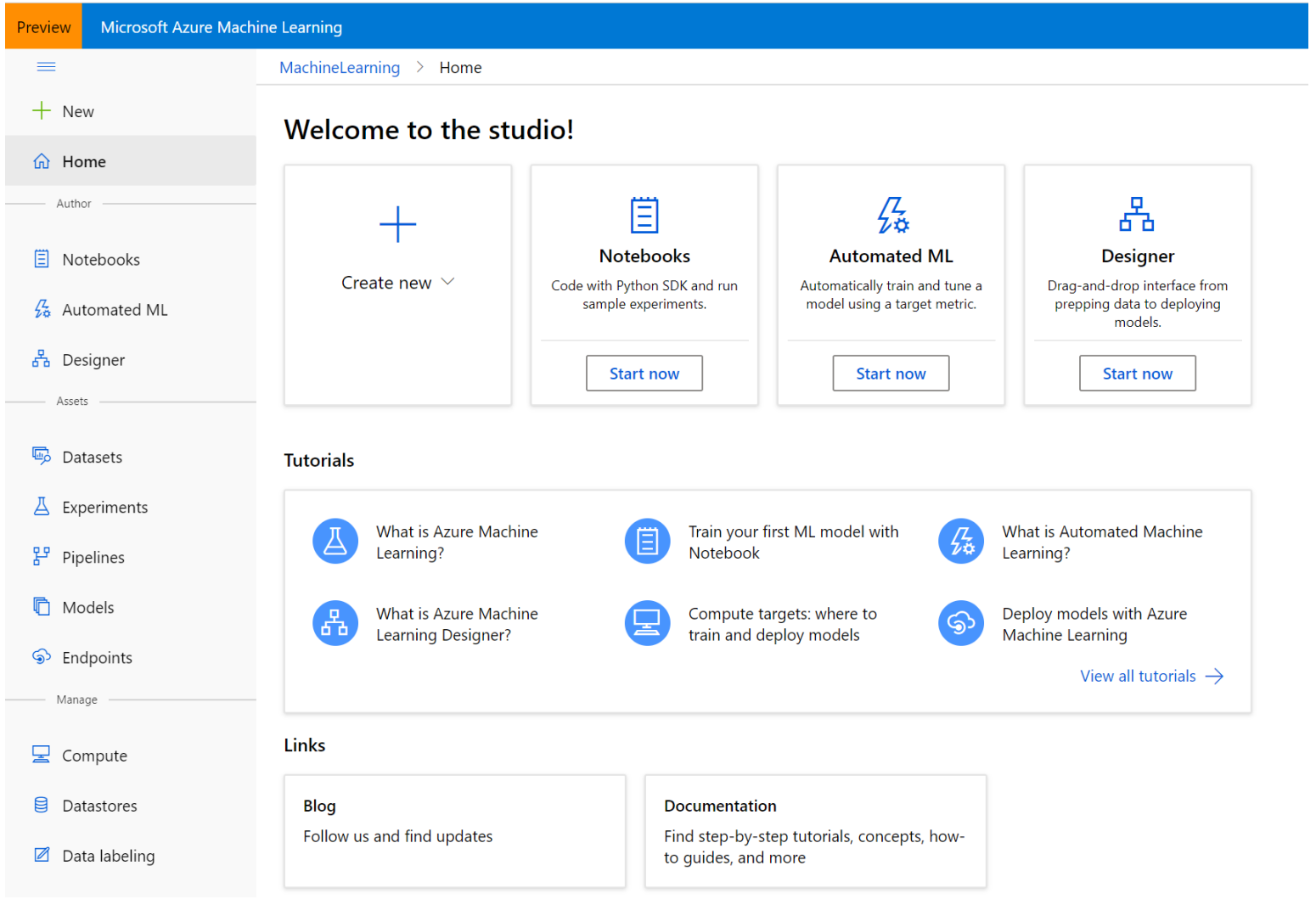


Paramétrage pour le workshop

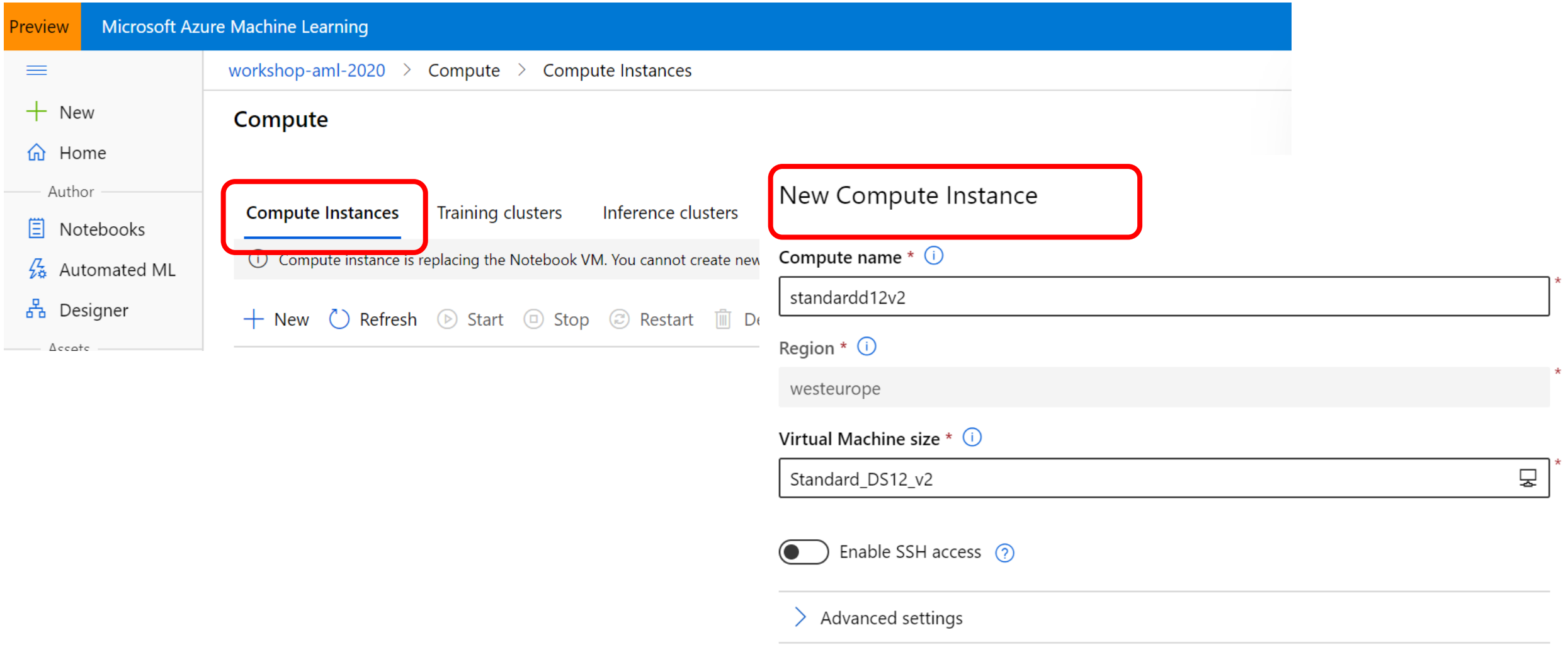
Accès au service



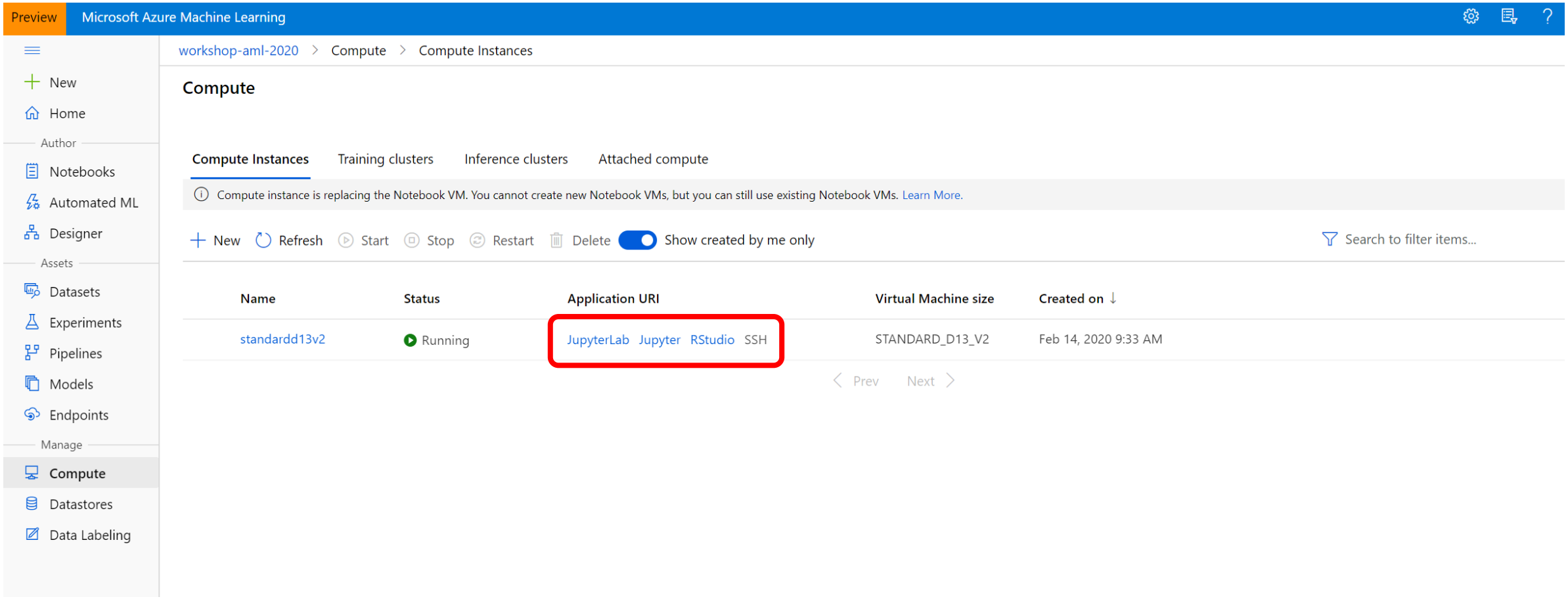
Azure ML Studio : https://ml.azure.com



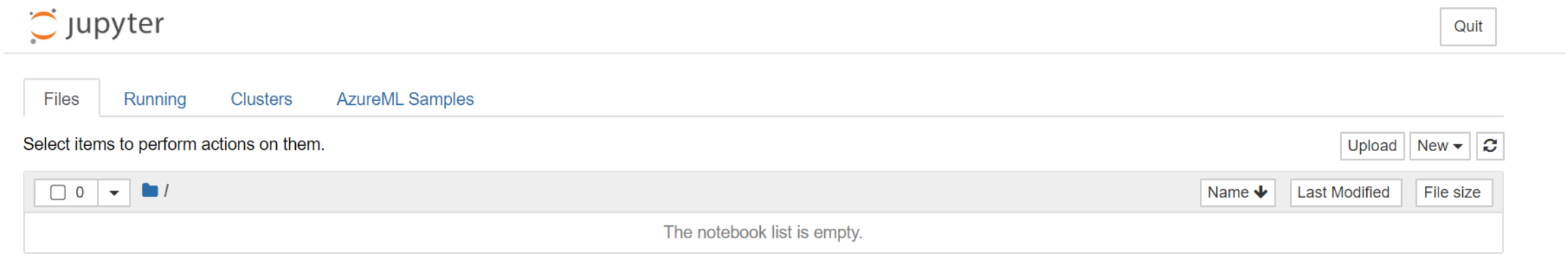
Création d'une VM Compute Instance



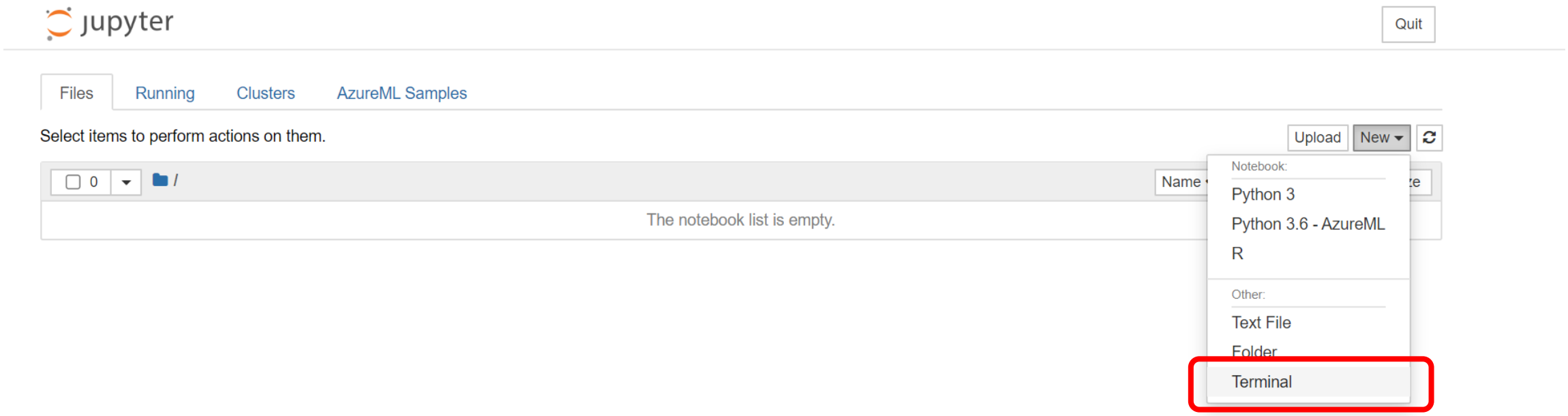
La VM notebook a été créée avec succès



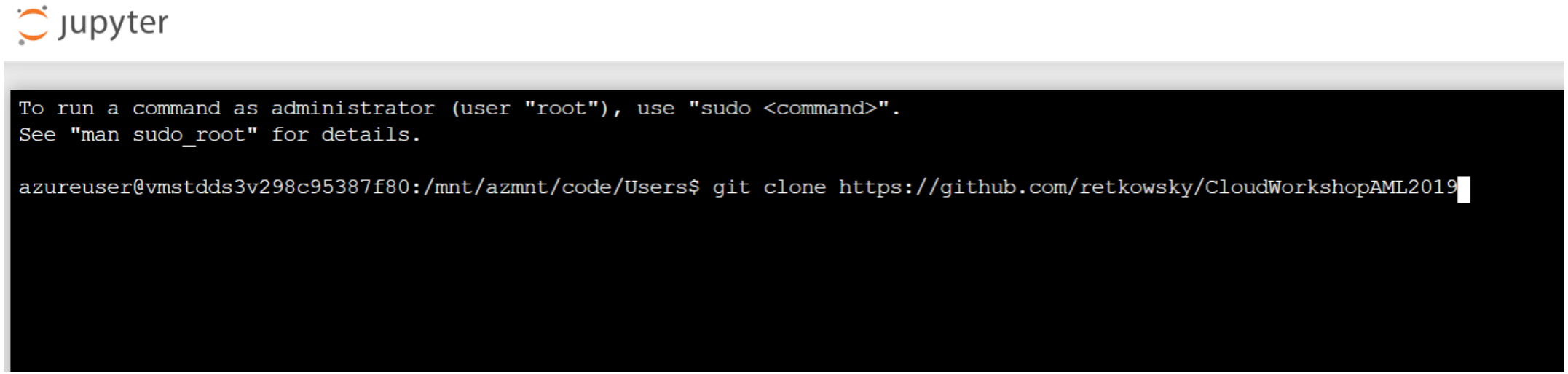
On accède à Jupyter Notebooks



Accès au terminal



On clone le git qui contient les notebooks du workshop



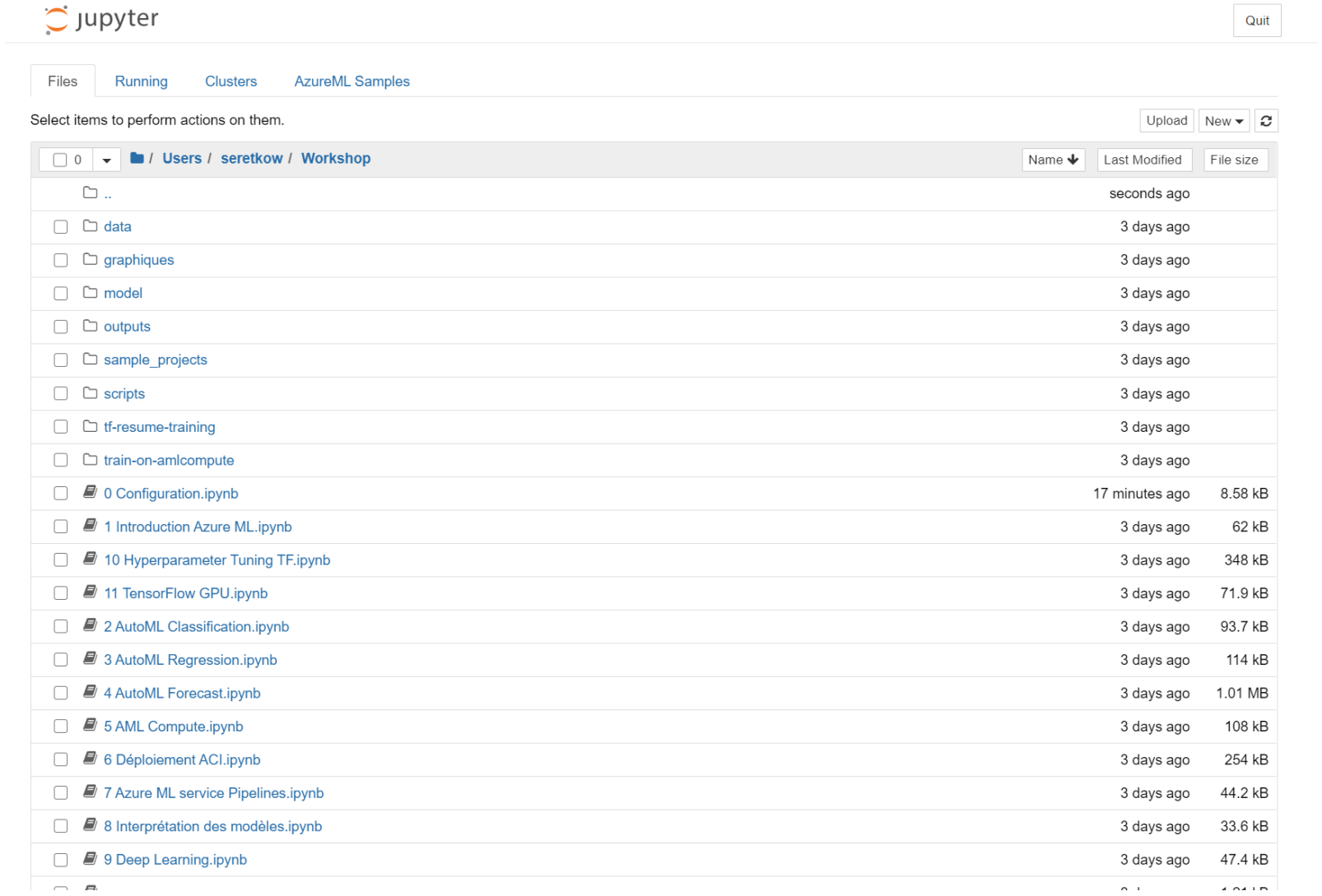
git clone https://github.com/retkowsky/WorkshopAML2020

Clone du repo en cours

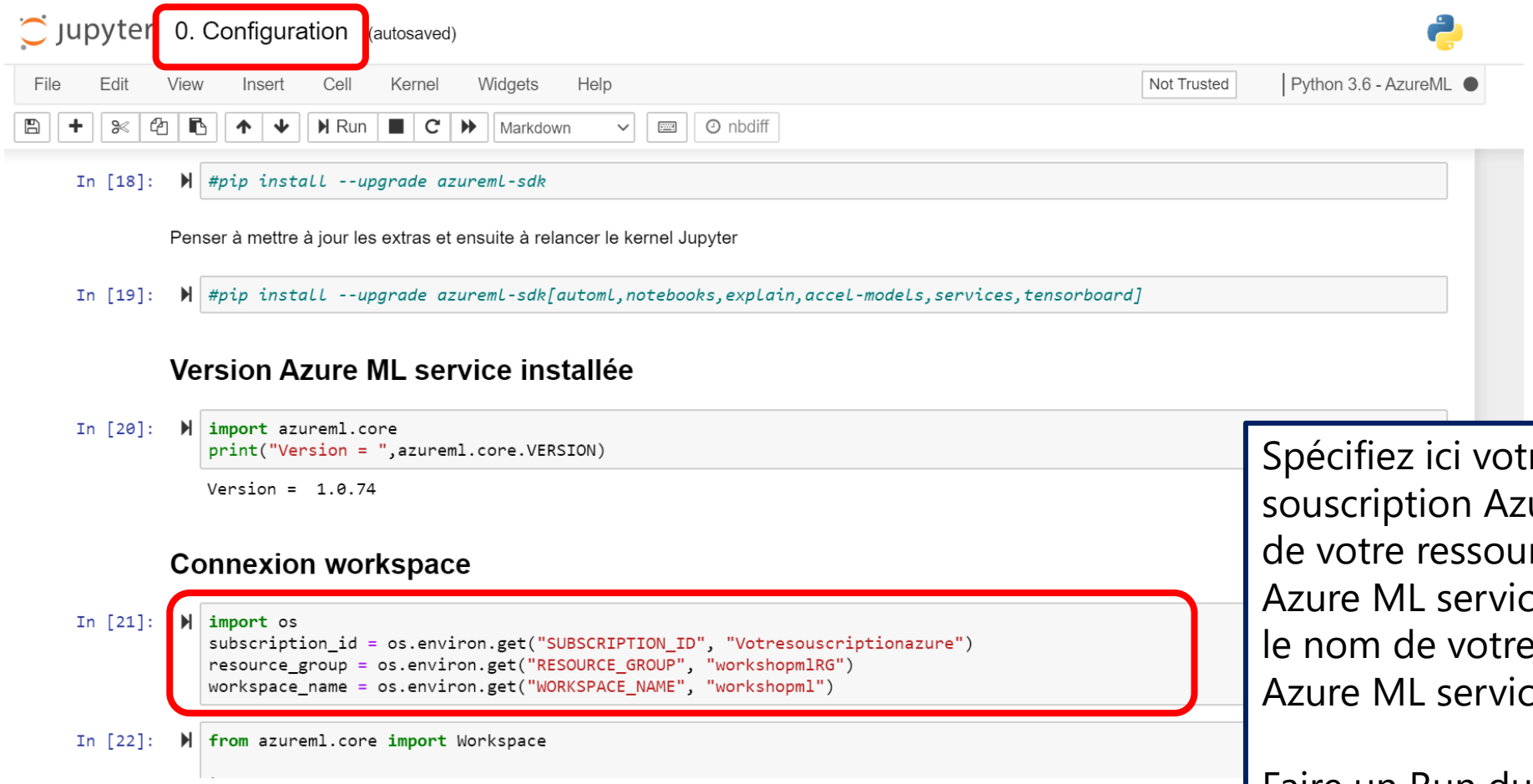
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@vmstdds3v298c95387f80:/mnt/azmnt/code/Users$ git clone https://github.com/retkowsky/Workshop_AzureML_2019
Cloning into 'Workshop_AzureML_2019'...
remote: Enumerating objects: 31, done.
remote: Counting objects: 100% (31/31), done.
remote: Compressing objects: 100% (31/31), done.
remote: Total 112 (delta 6), reused 0 (delta 0), pack-reused 81
Receiving objects: 100% (112/112), 13.24 MiB | 8.47 MiB/s, done.
Resolving deltas: 100% (33/33), done.
Checking connectivity... done.
error: unable to create file 20news.pkl (No such file or directory)
Checking out files: 100% (28/28), done.
```

Liste des notebooks



Edition du notebook de configuration



Spécifiez ici votre souscription Azure, le nom de votre ressource group Azure ML service ainsi que le nom de votre service Azure ML service.

Faire un Run du notebook.

Contenu du cloud workshop

https://aka.ms/WorkshopAML2020