Microsoft

Atelier Azure ML service pour les partenaires

Jeudi 12 décembre 2019

Vos interlocuteurs

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

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

1) Connexion wifi visiteur

Accès Wifi visiteurs

1. Nom du réseau Wifi : **MSFTGUEST**

2. **Visiting Guest ➔ Create a Guest Account**

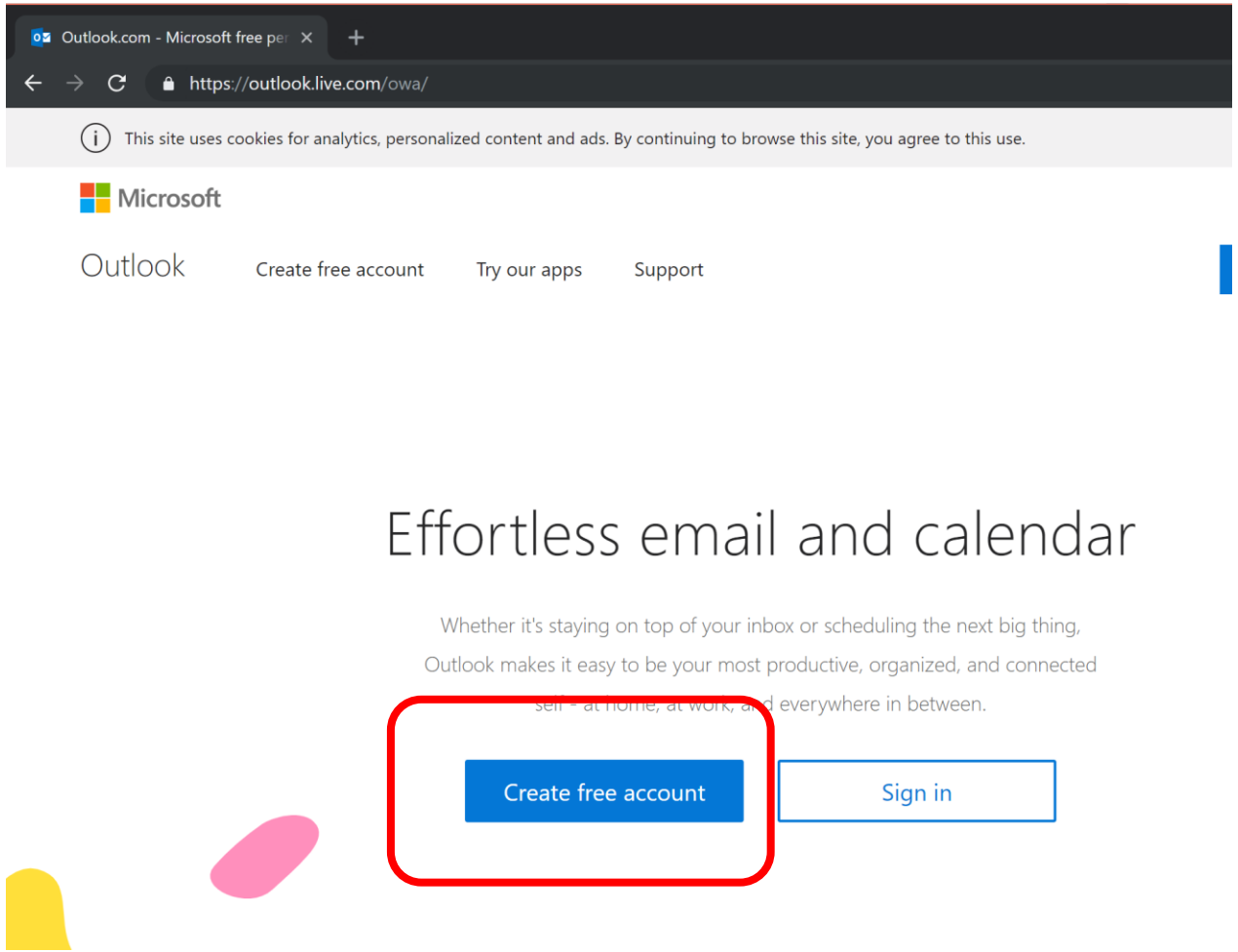
3. Mentionner cette adresse email dans le formulaire :

franck.gaillard@microsoft.com

4. Vous aurez accès au réseau Wifi Microsoft après validation

2) Création d’un compte Azure avec un passe Azure

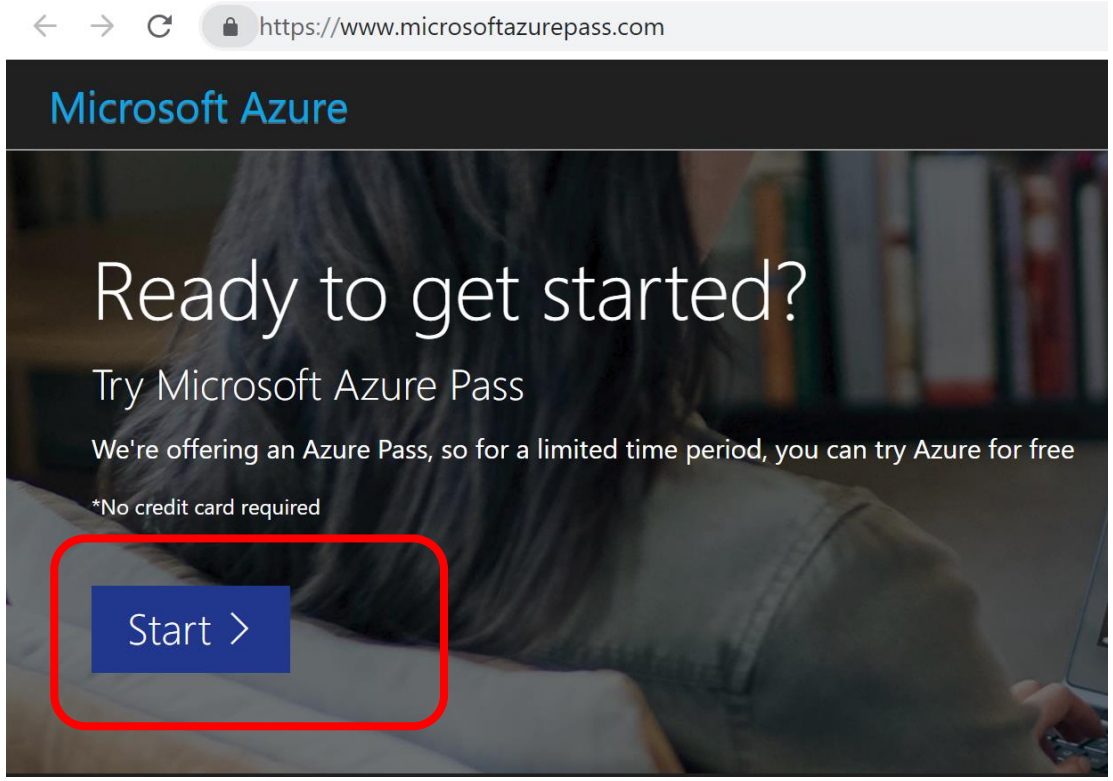
Création adresse email outlook

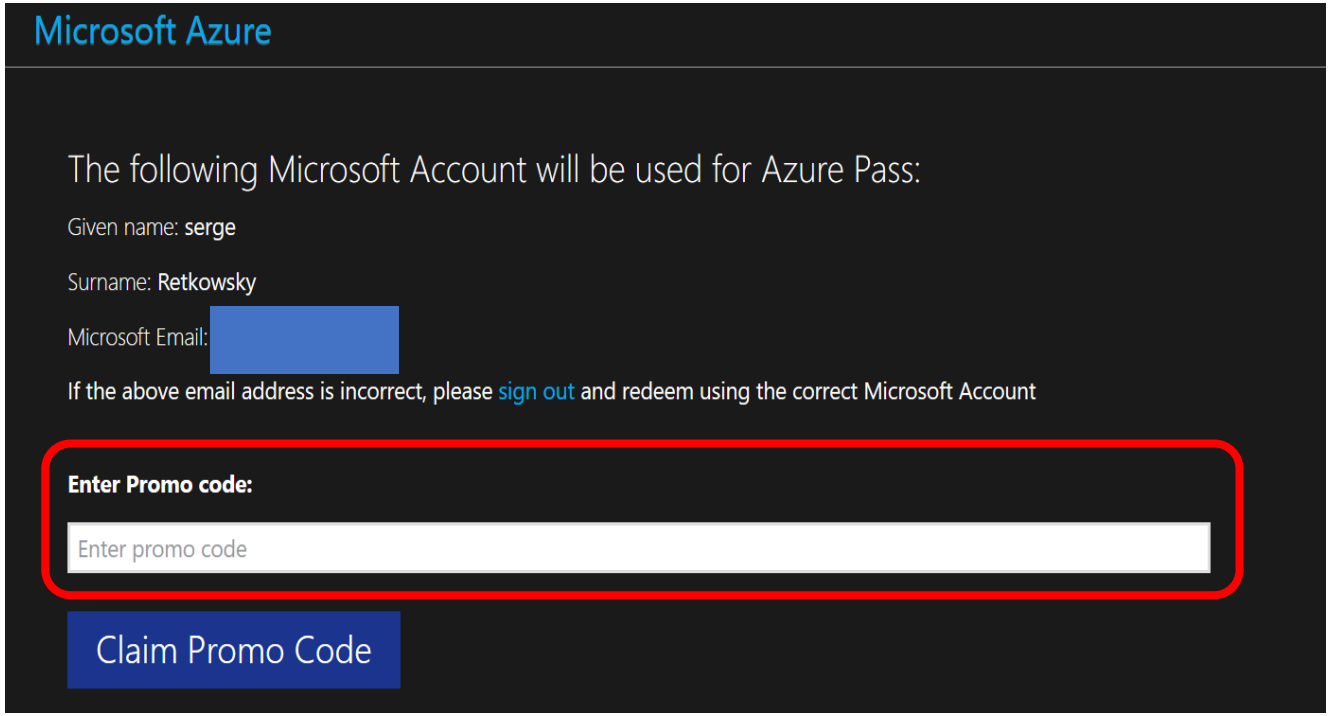


https://outlook.live.com/owa/

Activer votre passe Azure

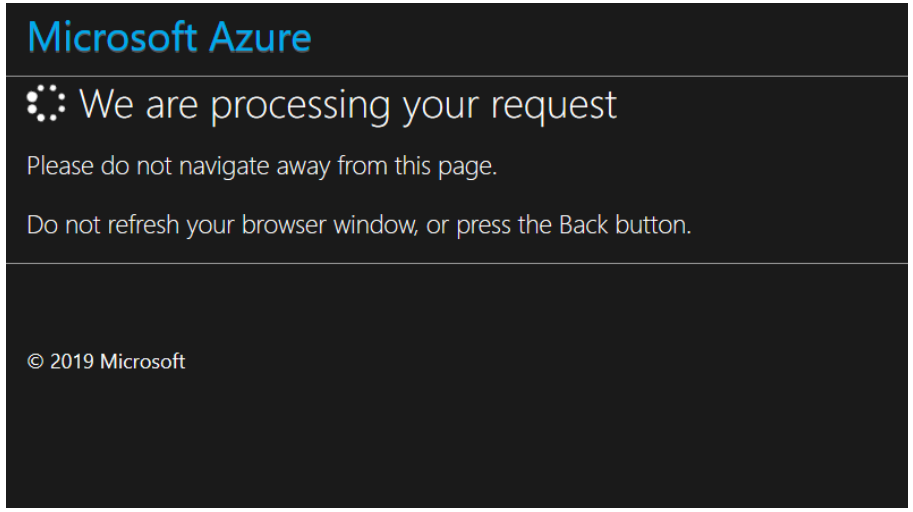
https://www.microsoftazurepass.com

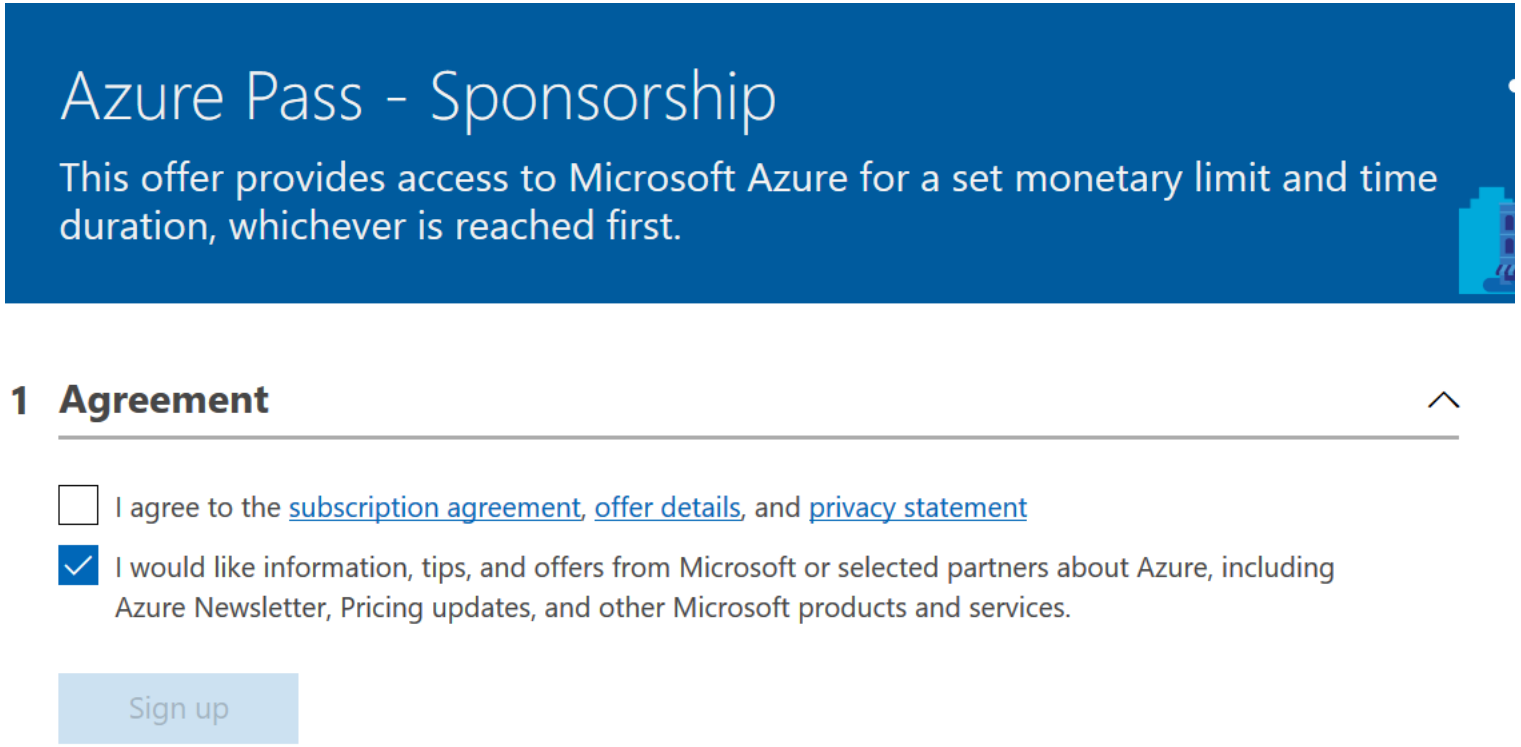




Validation de votre passe Azure

https://www.microsoftazurepass.com



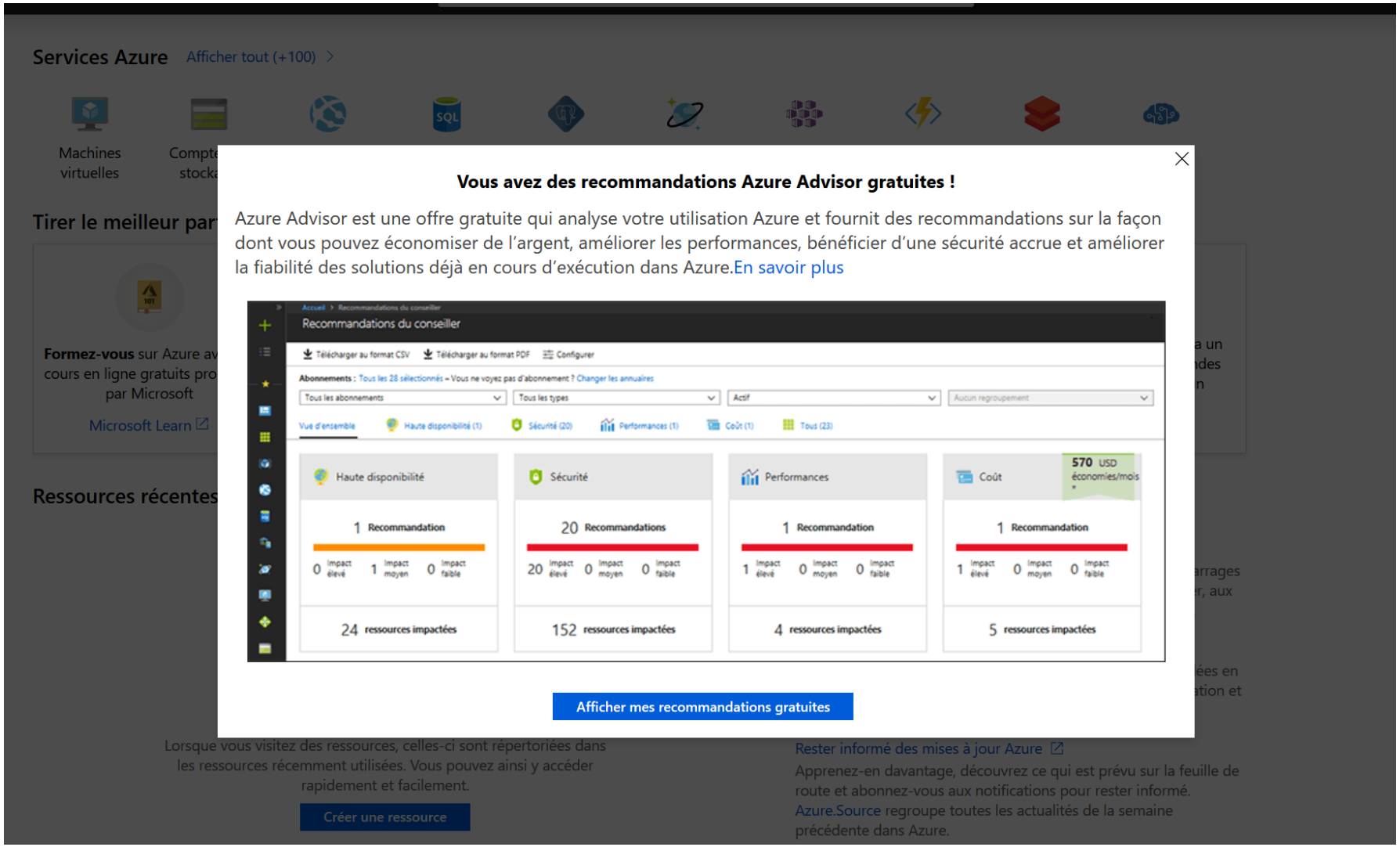


Emails de notifications

Vous allez recevoir ensuite deux emails :

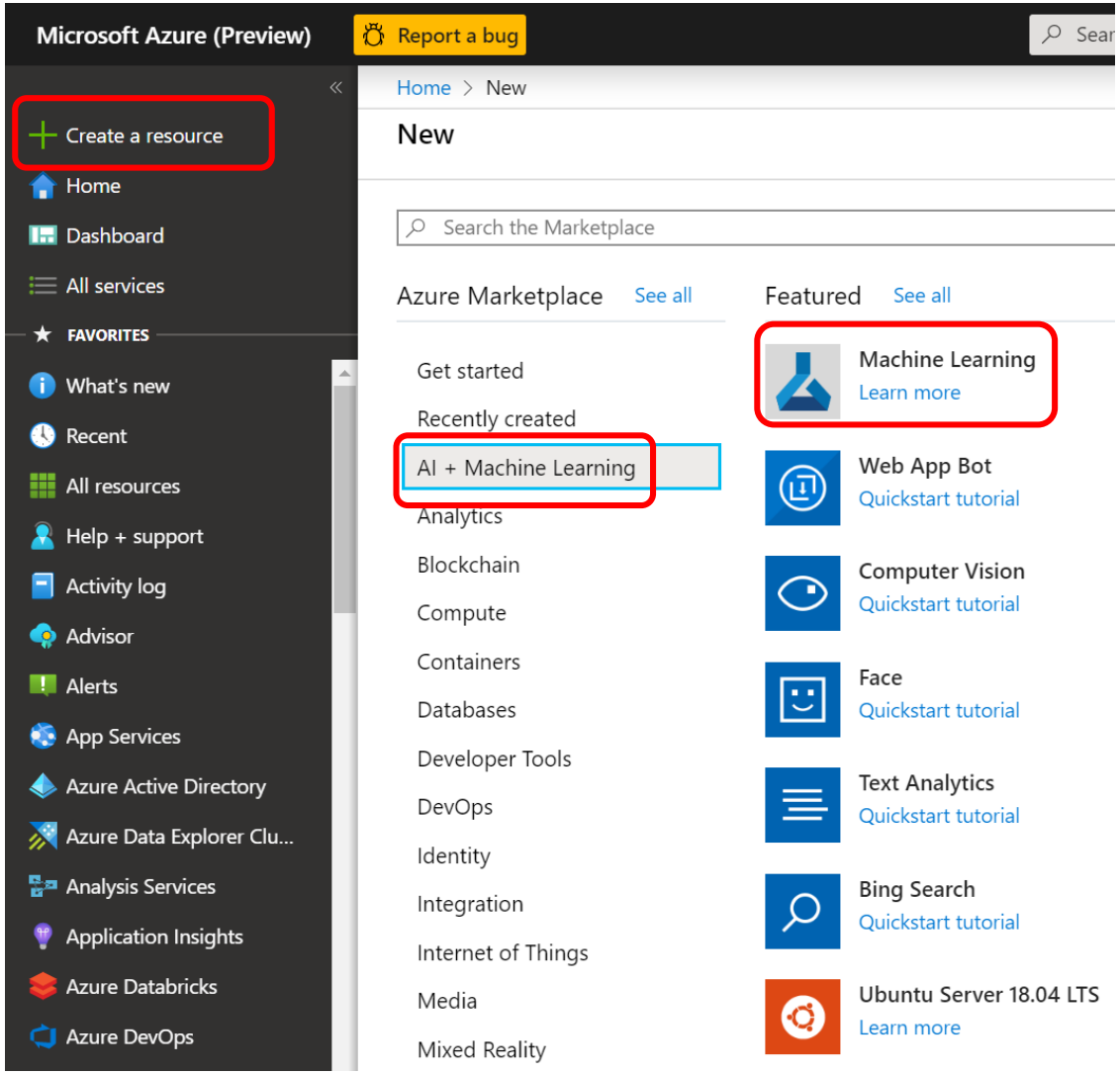
1. Confirmation de la validation de votre passe Azure
2. Notification du lien de votre portail Azure

Après validation vous êtes directement connecté à votre portail Azure

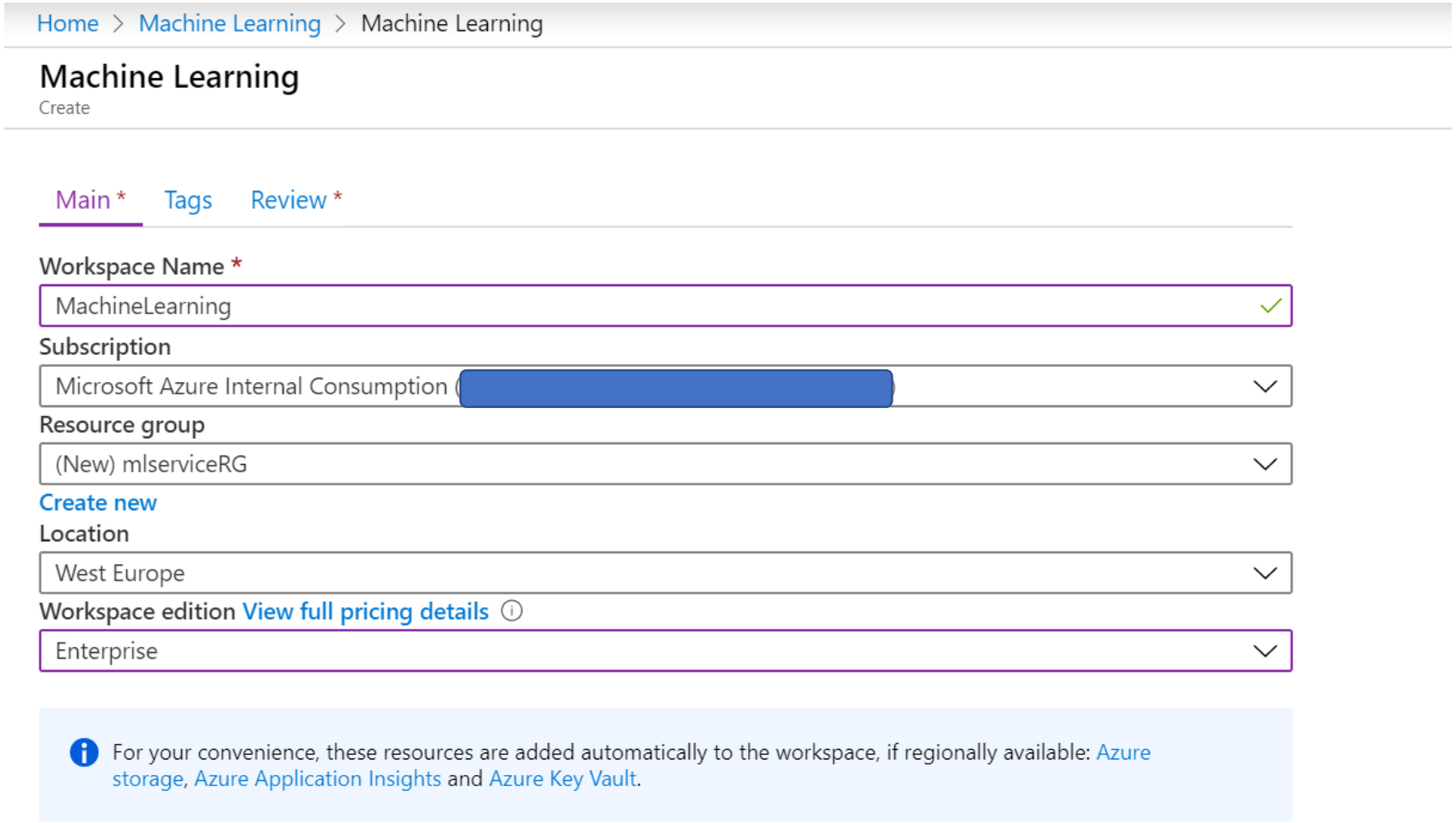


3) Provisionnement du service Azure ML service

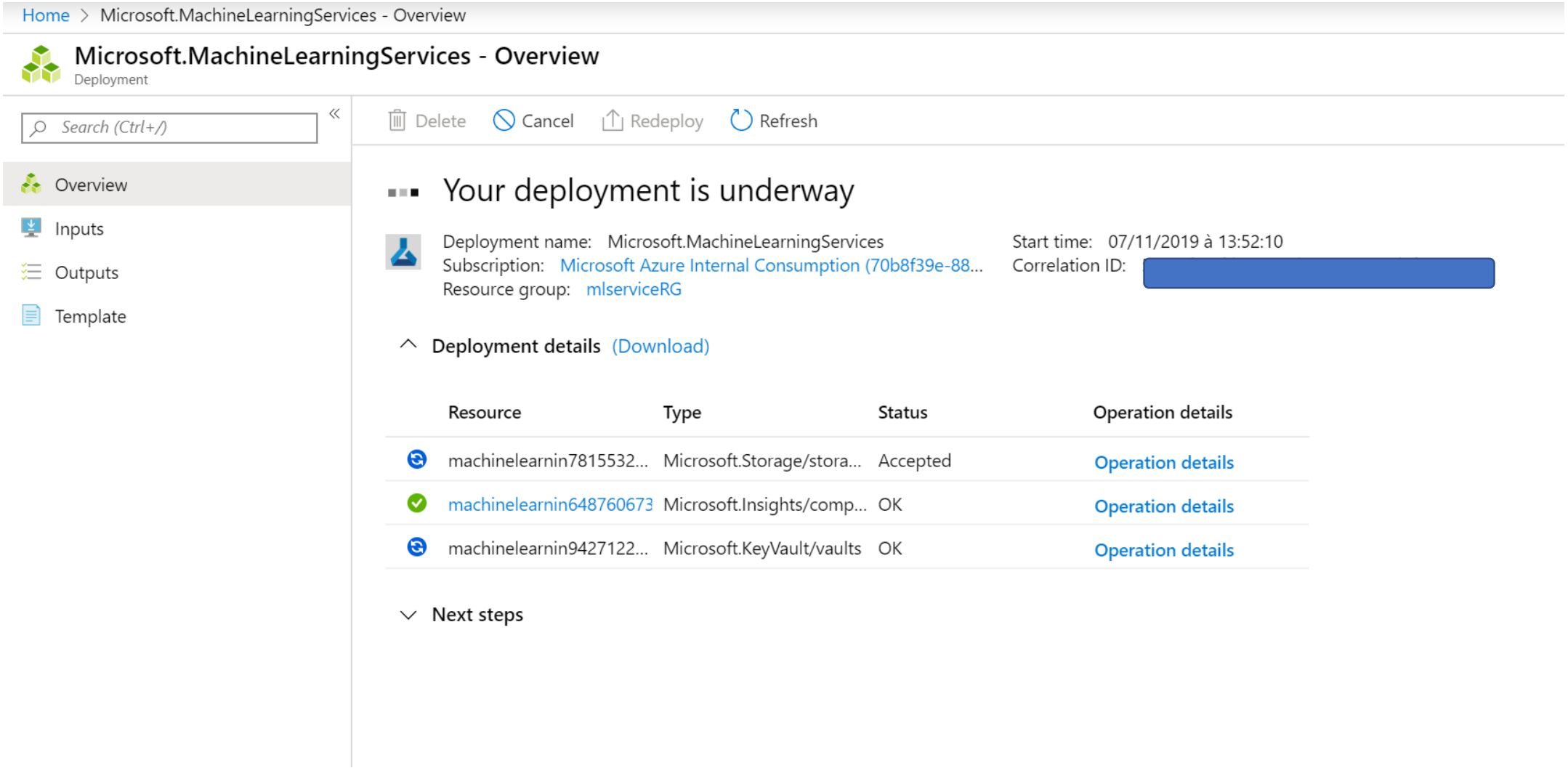
Créer un nouveau service Azure Machine Learning



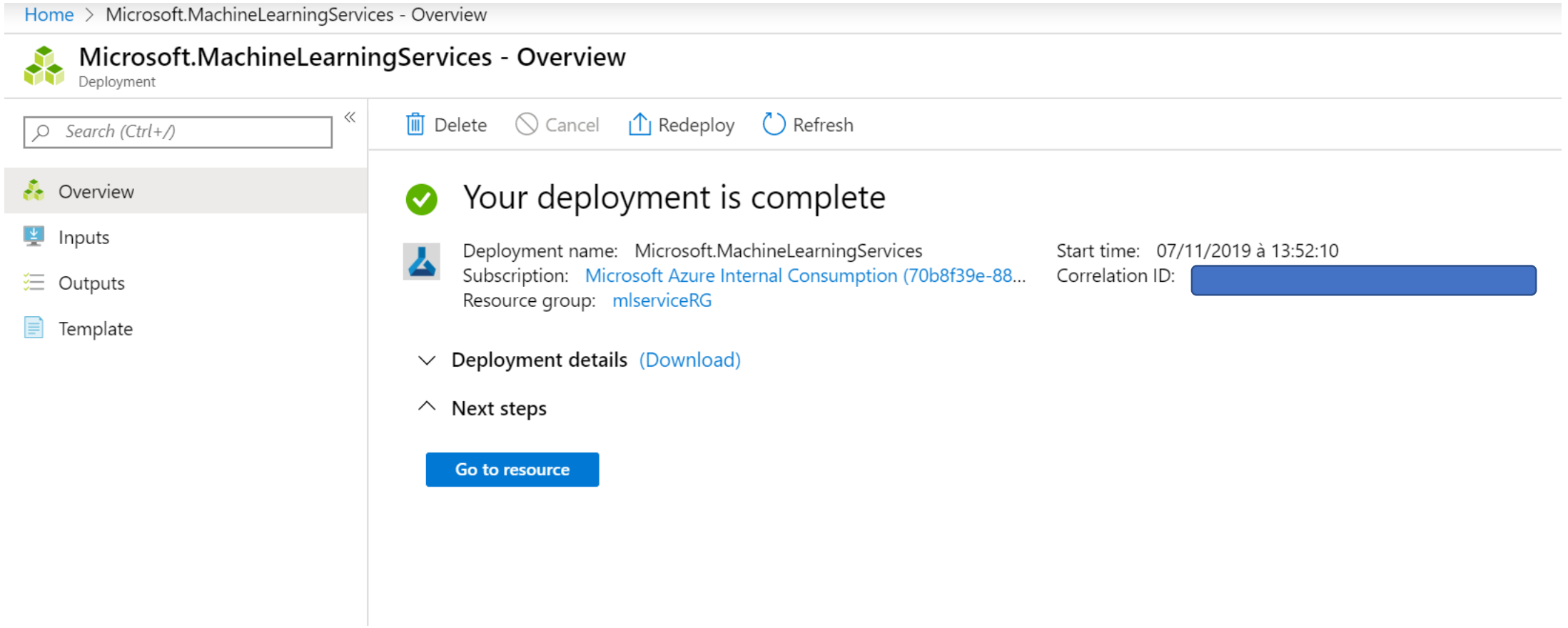
Provisionnement du service Azure ML service



Création en cours…



Fin de la création

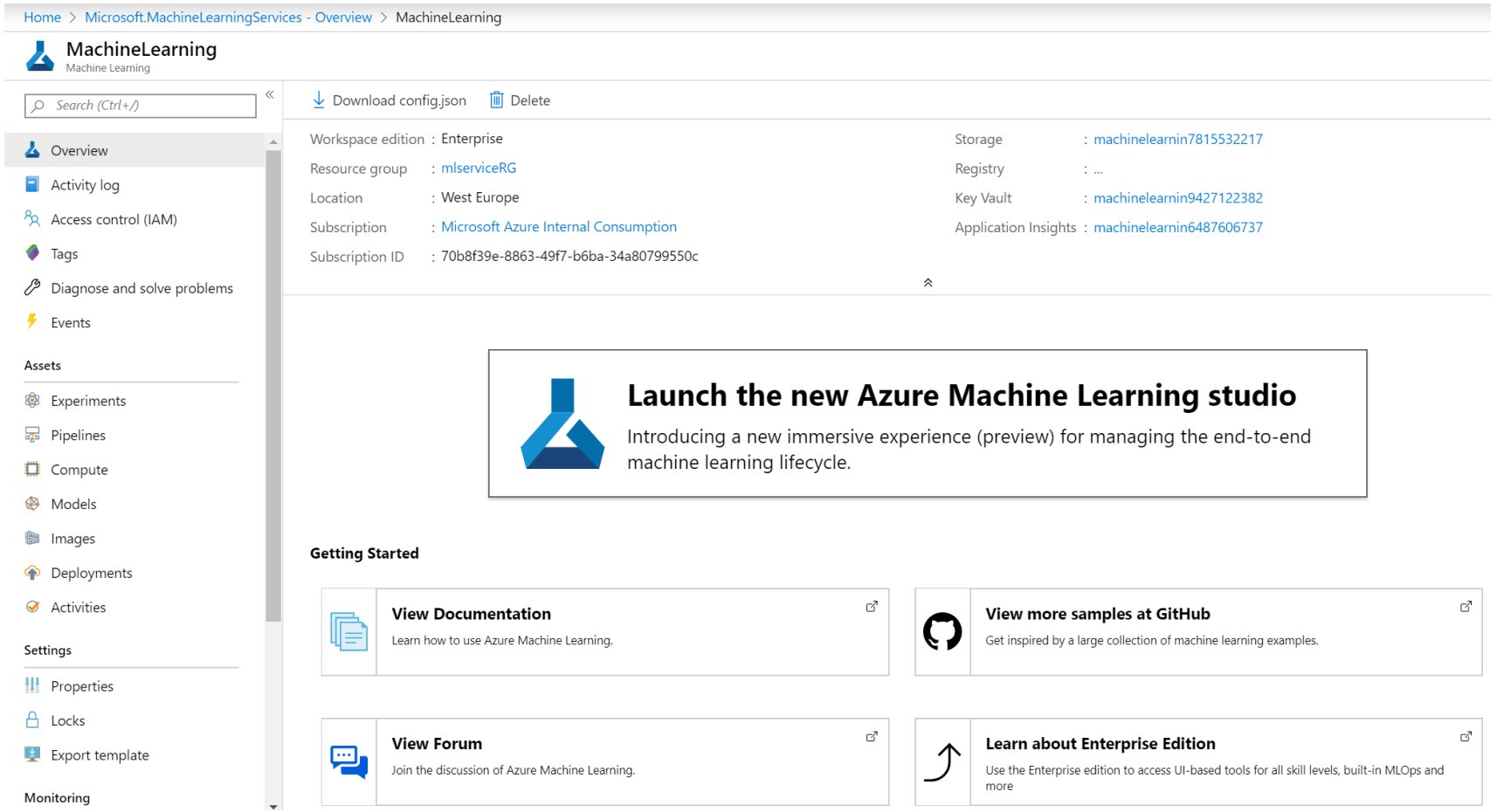


Ressources associées générées automatiquement

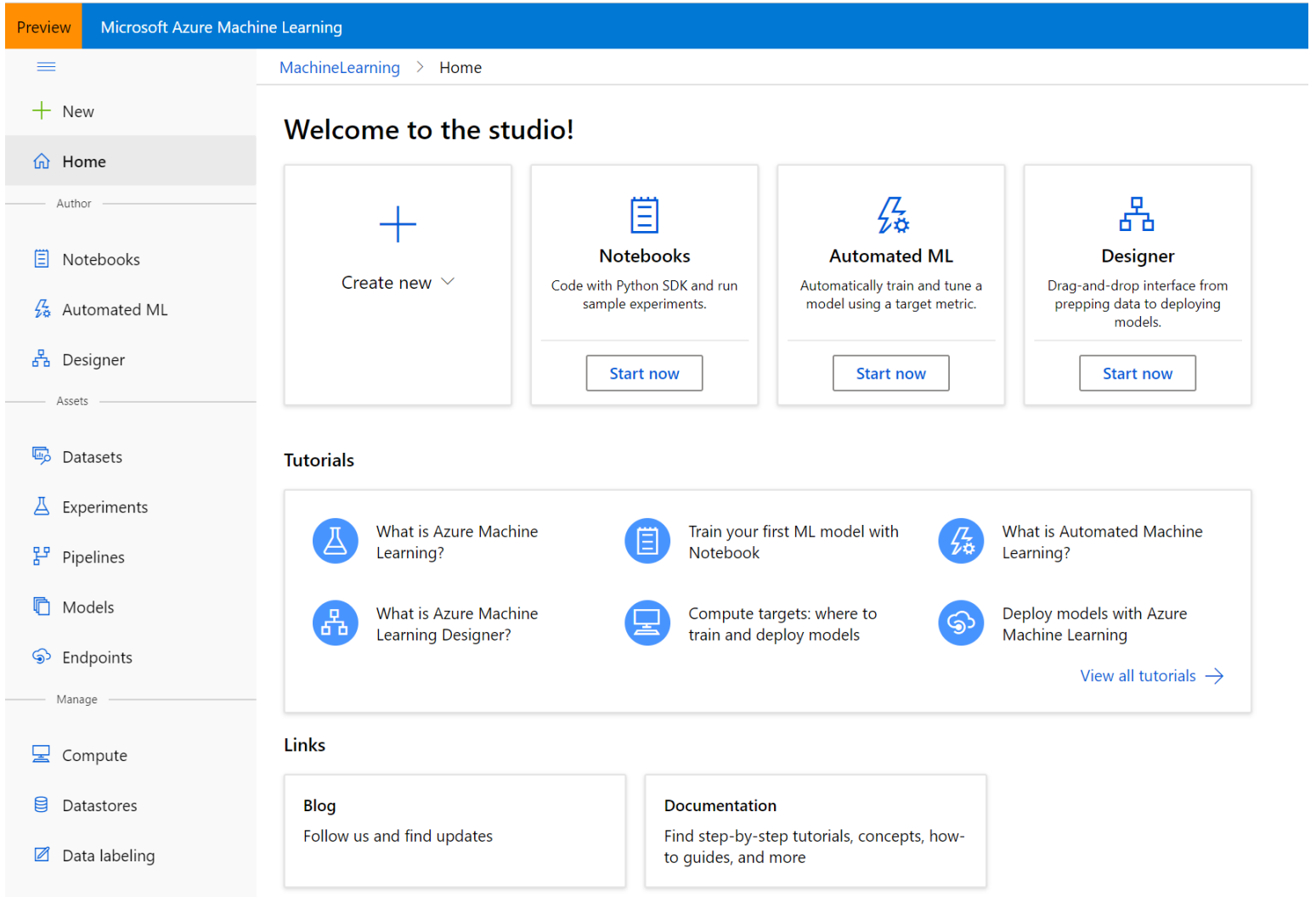
- Azure Container Registry: Registers docker containers that you use during training and when you deploy a model. To minimize costs, ACR is **lazy-loaded** until deployment images are created.
- Azure Storage account: Is used as the default datastore for the workspace. Jupyter notebooks that are used 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.

4) Paramétrage pour le workshop

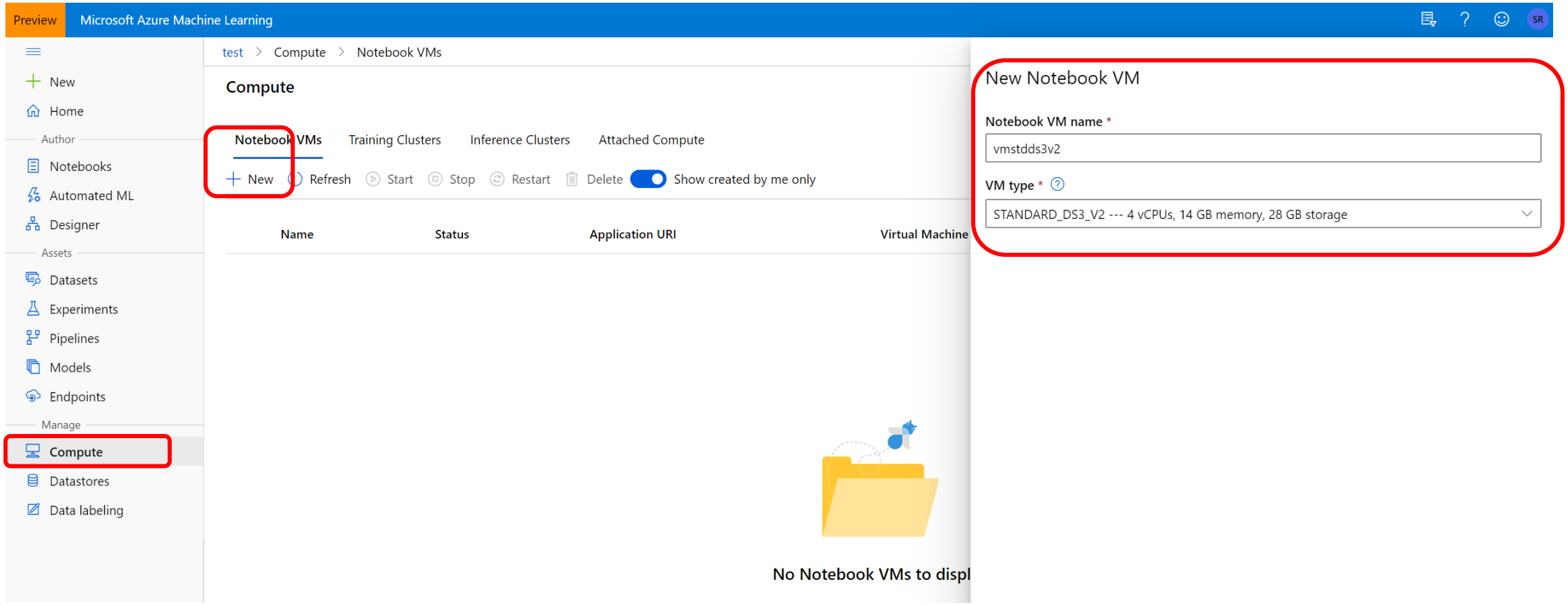
Accès au service



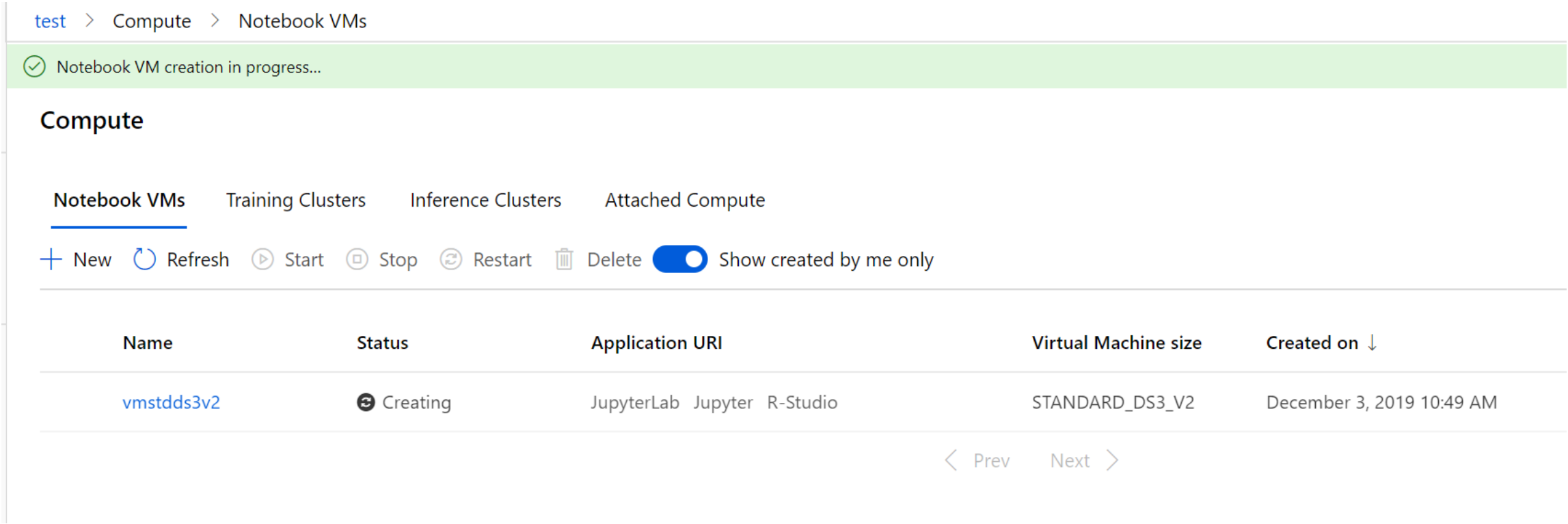
Azure ML Studio : https://ml.azure.com



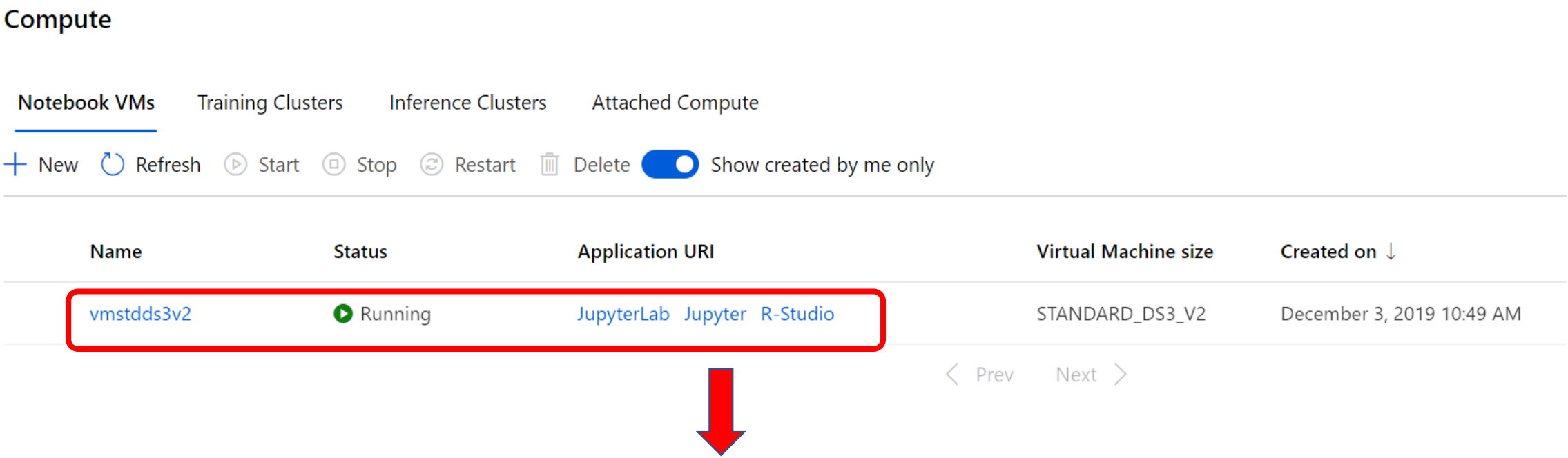
Création d'une VM Notebooks



En cours de création...

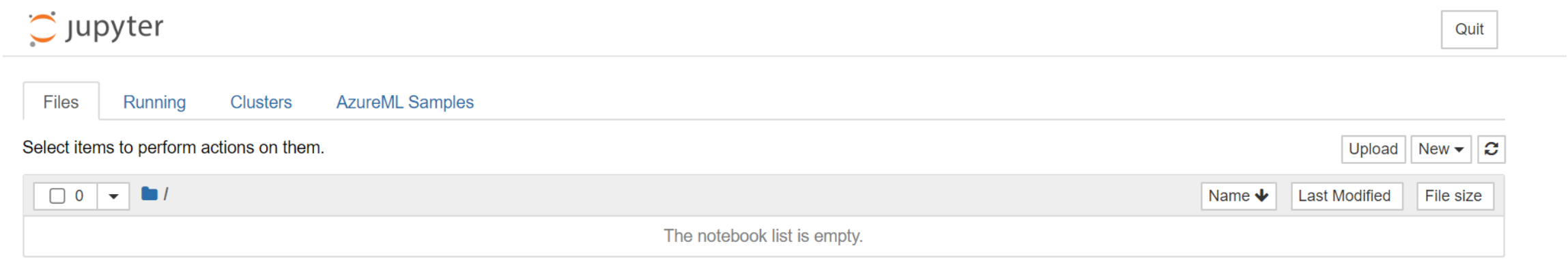


La VM notebook a été créée avec succès

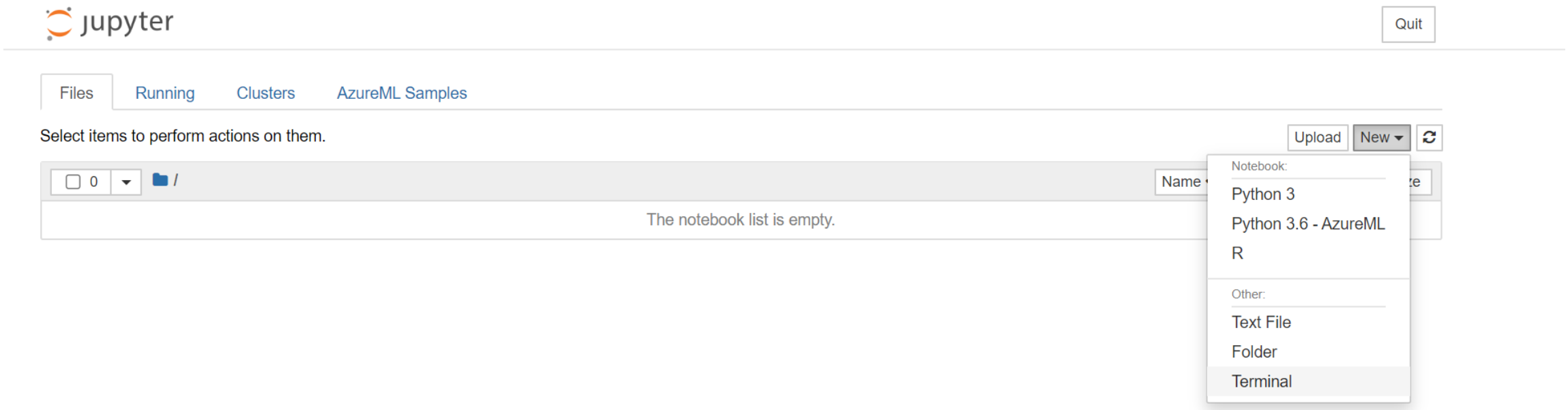


On clique sur **Jupyter** pour accéder à Jupyter Notebooks

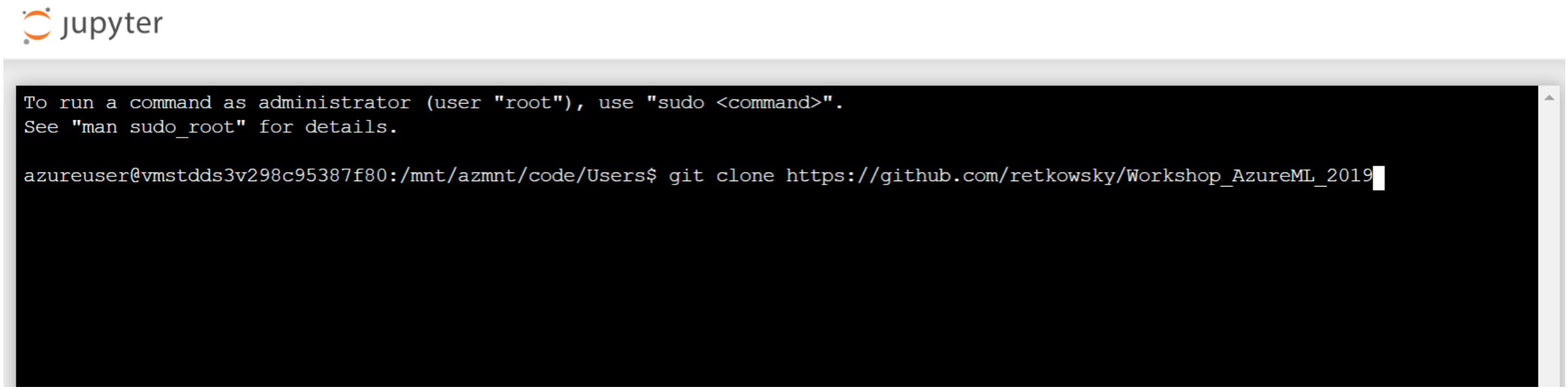
On accède à Jupyter Notebooks



Accès au terminal



On clone le git qui contient les notebooks du workshop



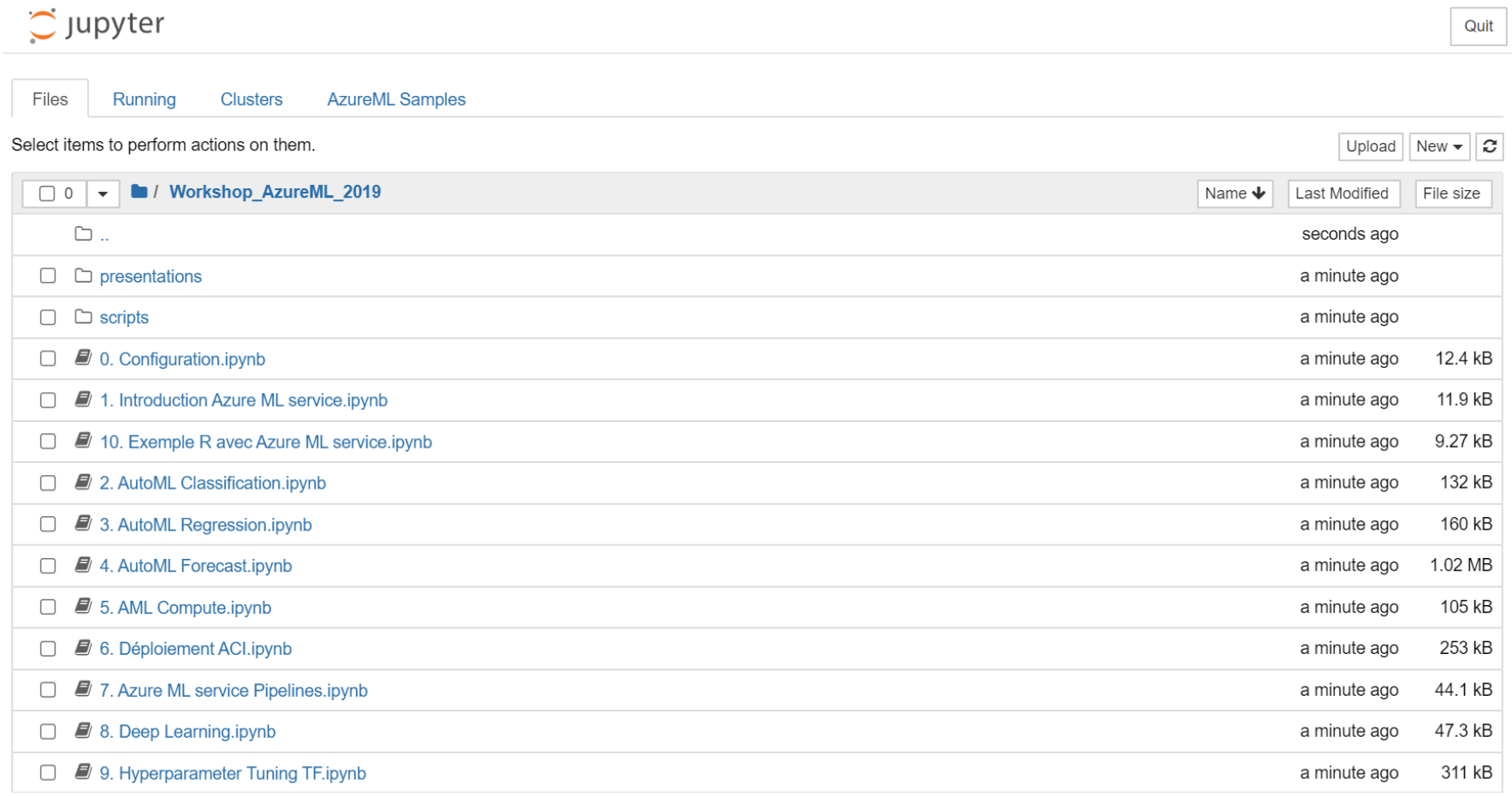
Git clone https://github.com/retkowsky/Workshop_AzureML_2019

Clone du repo en cours

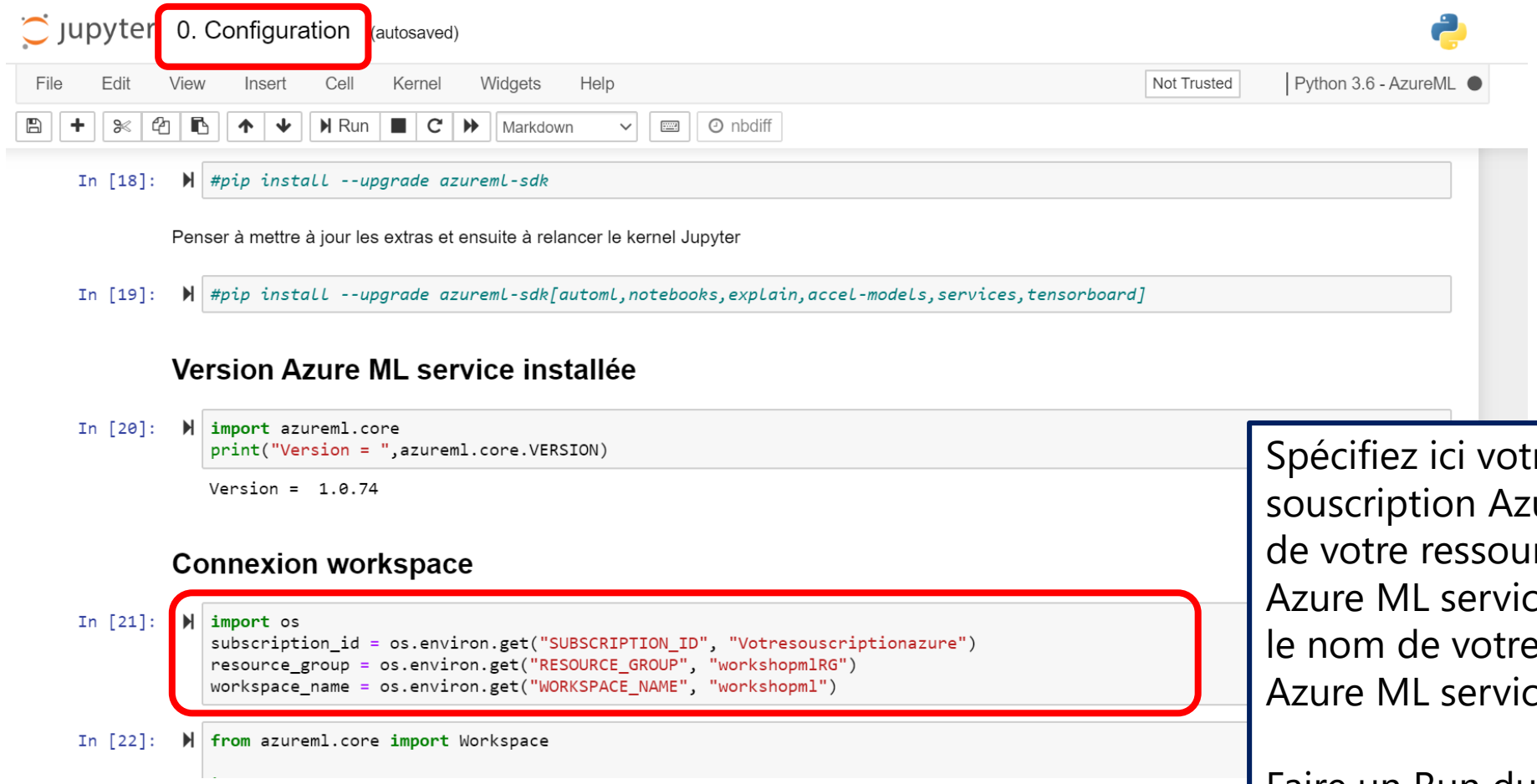
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

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.
```

Les notebooks sont disponibles dans le répertoire dessous

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://http://aka.ms/workshopAML2019