

Azure ML workshop

Vendredi 28 février 2020

Vos interlocuteurs

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



1) Connexion wifi visiteur

Accès au Wifi visiteurs

- 1. Nom du réseau Wifi : MSFTGUEST
- 2. Bouton « Visiting Guest »

Visiting Guest

- 3. Ensuite « Create a Guest Account »
- 4. Mentionner ensuite l'email du parrain, votre nom ainsi que votre adresse email.

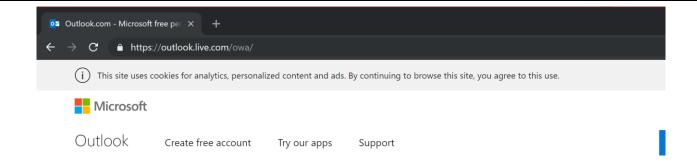
Email du parrain : rudy.plissonneau@microsoft.com

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

Please complete the form to gain access to the network: * Email du parrain : Email de la personne qui parraine ce compte. * Votre nom: Veuillez saisir votre nom complet. * Adresse email: Veuillez saisir votre adresse email. Ce sera votre nom d'utilisateur pour vous connecter au réseau * Confirmer : ☐ J'accepte les conditions d'utilisation S'inscrire

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

Création adresse email outlook



Effortless email and calendar

Whether it's staying on top of your inbox or scheduling the next big thing,
Outlook makes it easy to be your most productive, organized, and connected

Seli - at nome, at work, and everywhere in between.

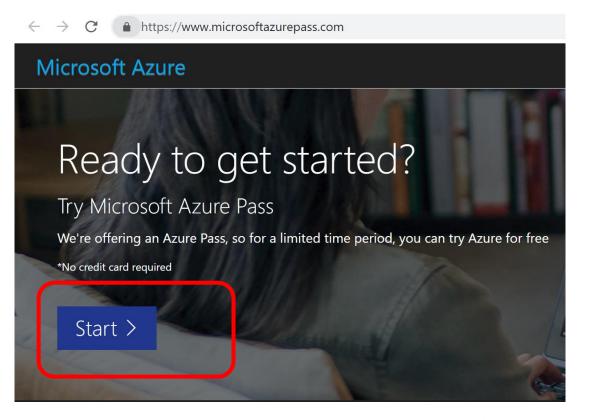
Create free account

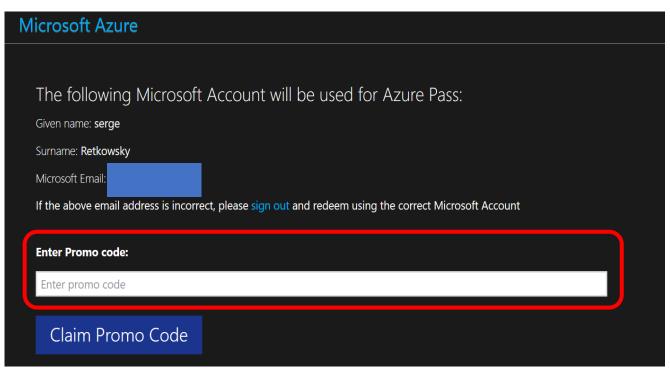
Sign in

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

Activer votre passe Azure

https://www.microsoftazurepass.com

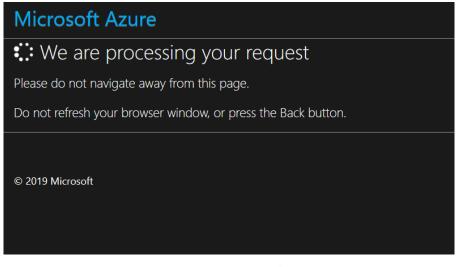






Validation de votre passe Azure

https://www.microsoftazurepass.com





Azure Pass - Sponsorship

This offer provides access to Microsoft Azure for a set monetary limit and time duration, whichever is reached first.

Agreement

- I agree to the subscription agreement, offer details, and privacy statement
 - I would like information, tips, and offers from Microsoft or selected partners about Azure, including Azure Newsletter, Pricing updates, and other Microsoft products and services.

Sign up

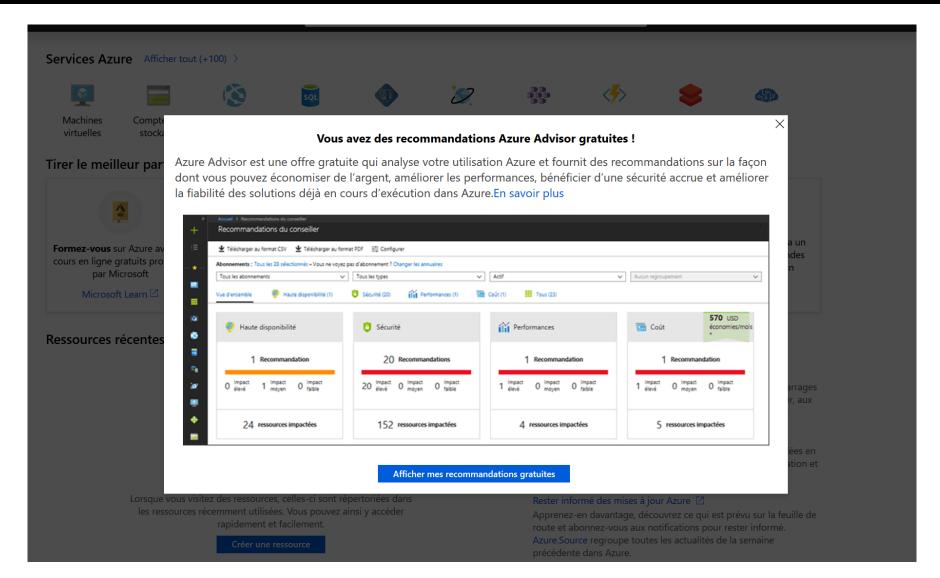
Emails de notifications

Vous allez recevoir ensuite deux emails :



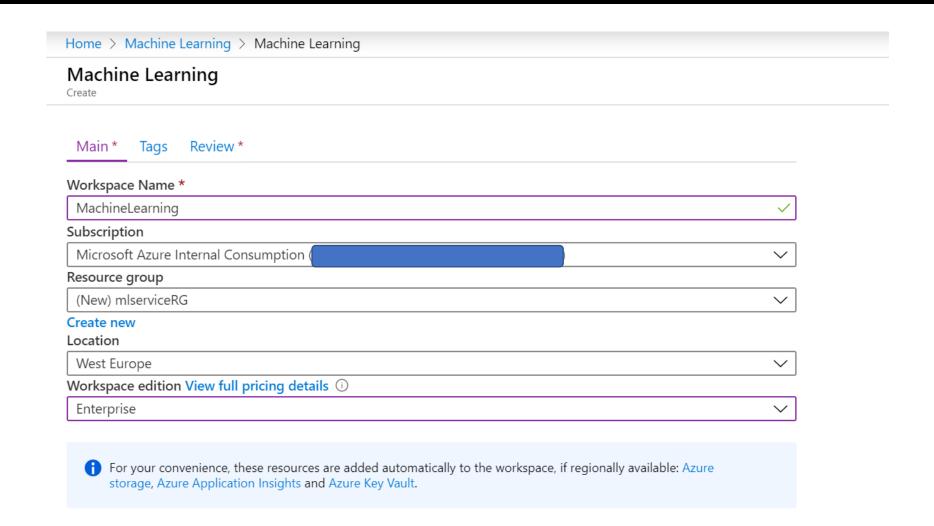
- 1. Confirmation de la validation de votre passe Azure
- 2. Notification du lien de votre portail Azure

Après validation vous êtes directement connecté à votre portail Azure

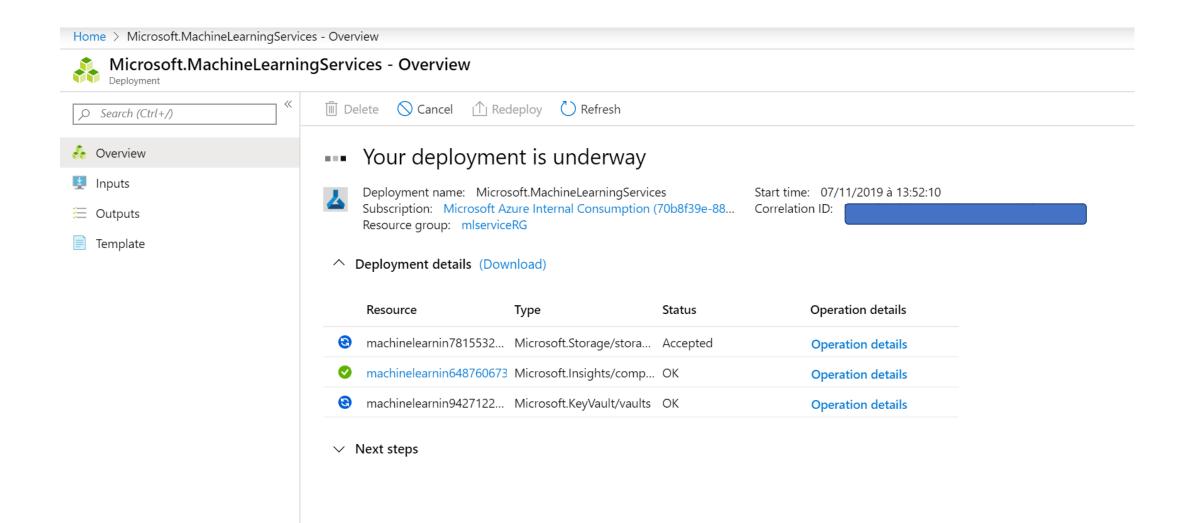


3) Provisionnement du service Azure ML service

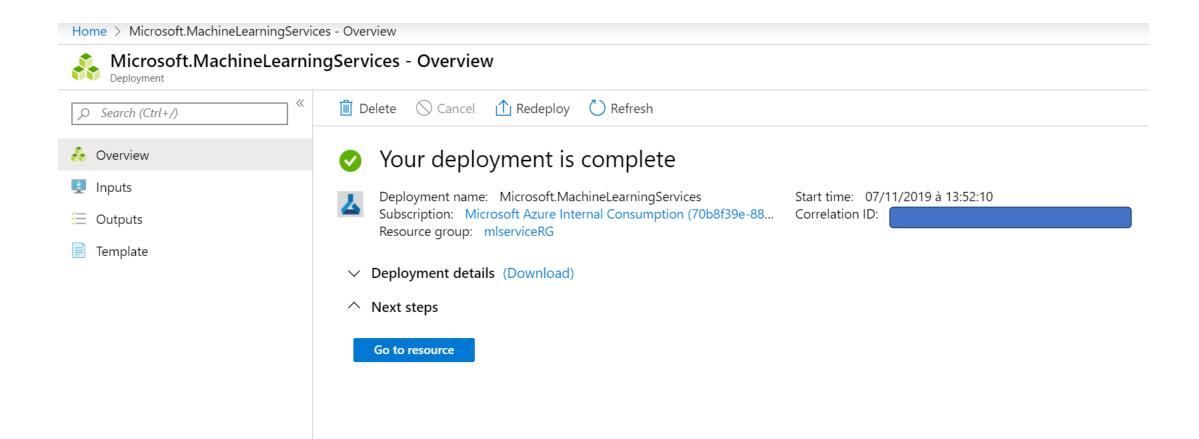
Provisionnement du service Azure ML service



Création en cours...



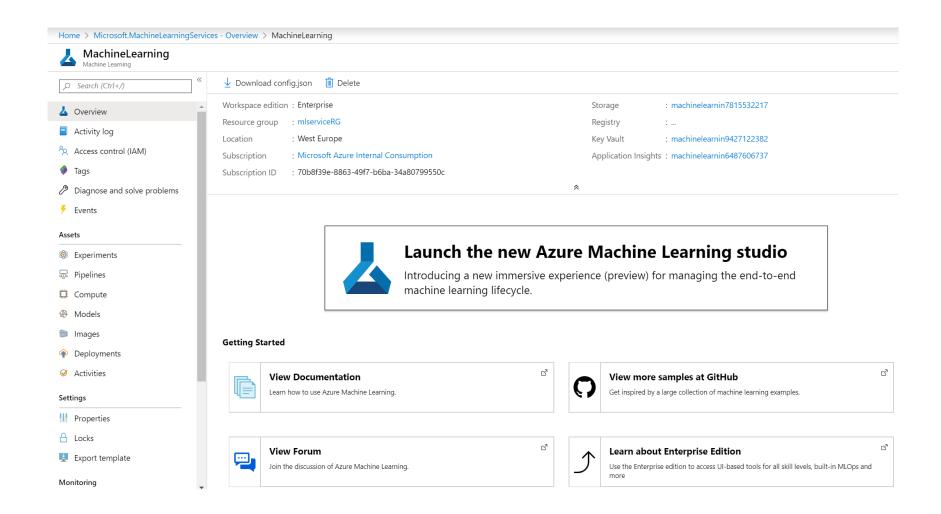
Fin de la création



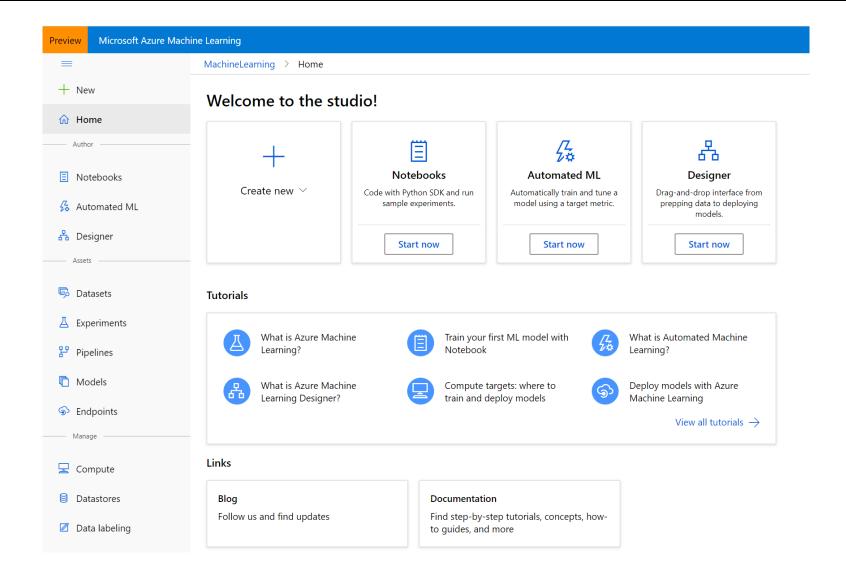
Ressources associées générées automatiquement

- <u>Azure Container Registry</u>: Registers docker containers that you use during training and when you deploy a model. To minimize costs, ACR is <u>lazy-loaded</u> until deployment images are created.
- <u>Azure Storage account</u>: 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.
- <u>Azure Application Insights</u>: 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

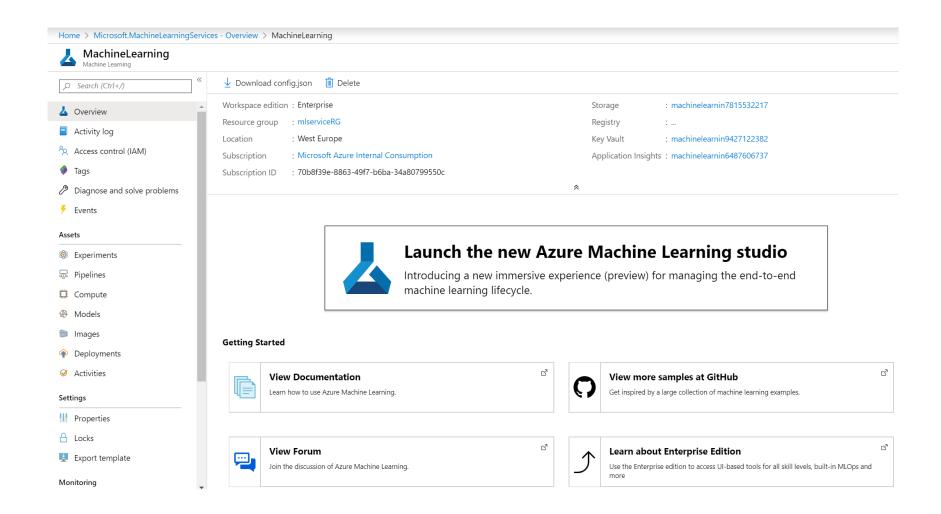


Azure ML Studio

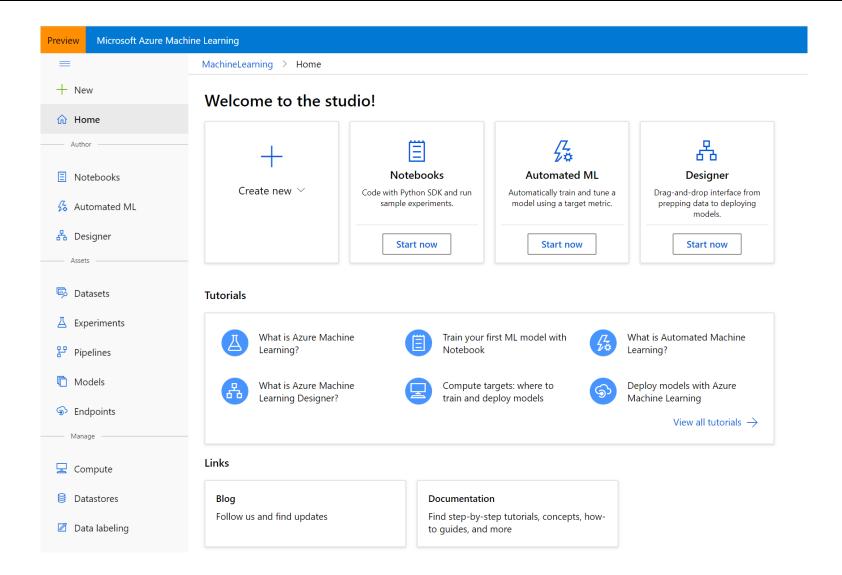


4) Paramétrage pour le workshop

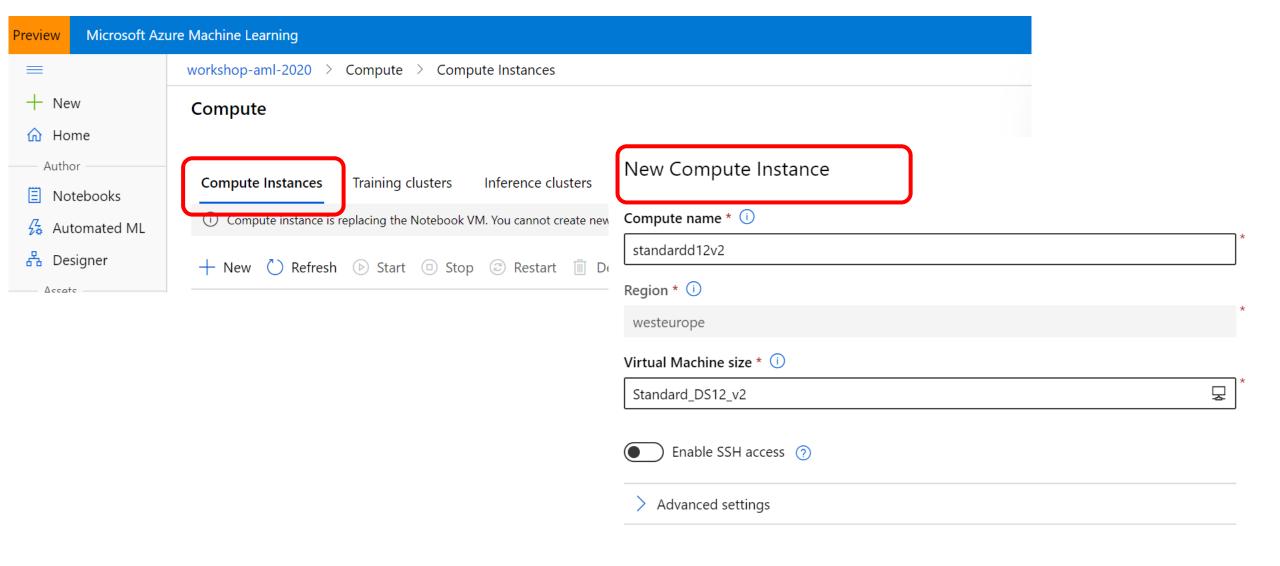
Accès au service



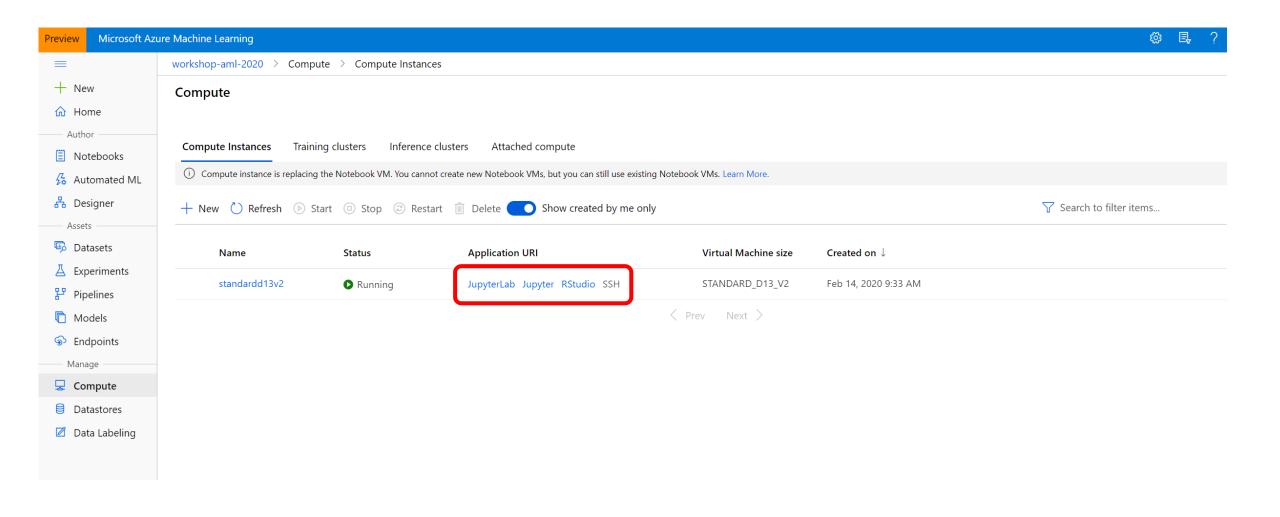
Azure ML Studio: https://ml.azure.com



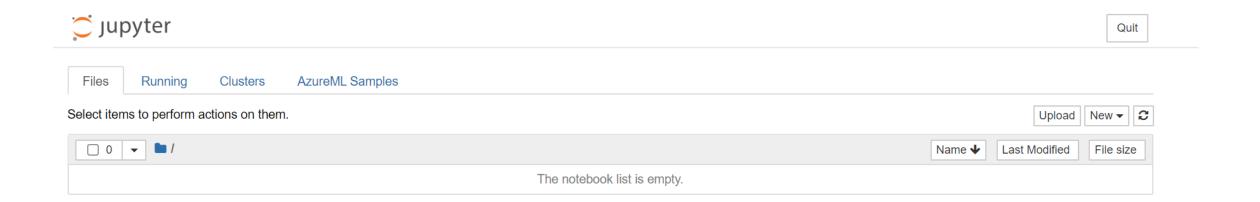
Création d'une VM Compute Instance



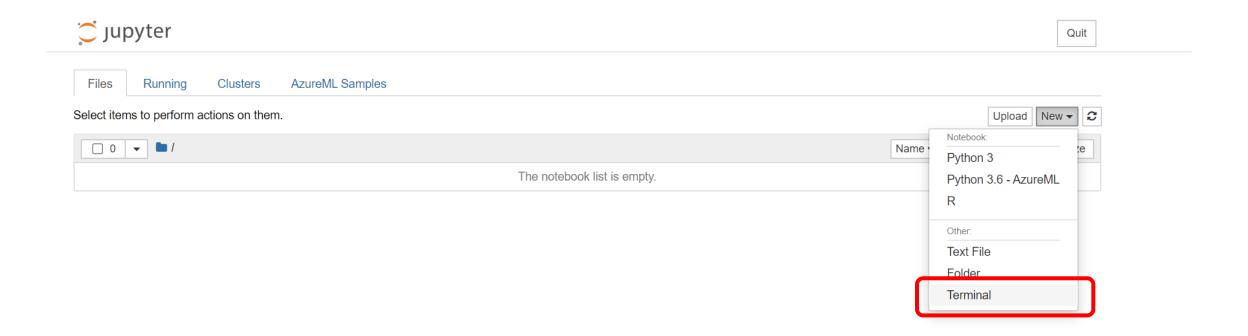
La VM notebook a été créée avec succès



On accède à Jupyter Notebooks



Accès au terminal



On clone le git qui contient les notebooks du workshop



```
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/CloudWorkshopAML2019
```

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

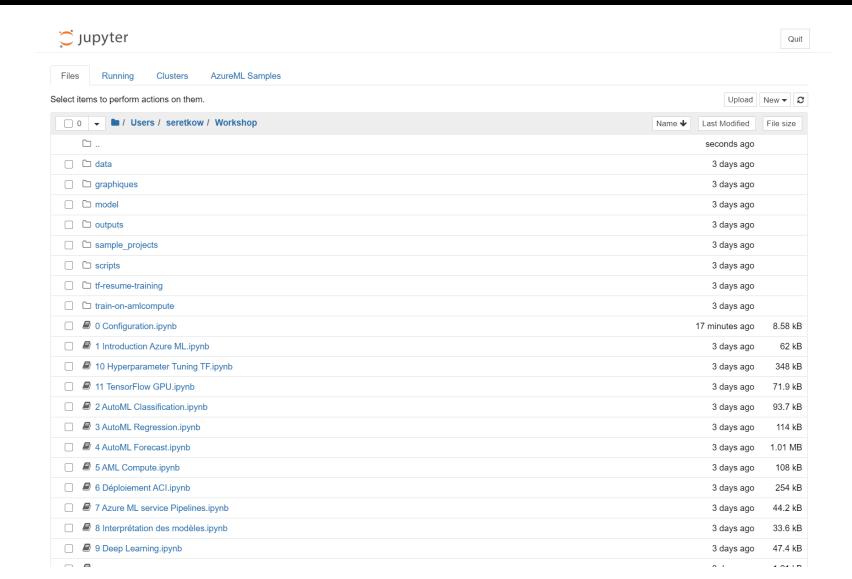
Clone du repo en cours

```
To run a command as administrator (user "root"), use "sudo <command>".

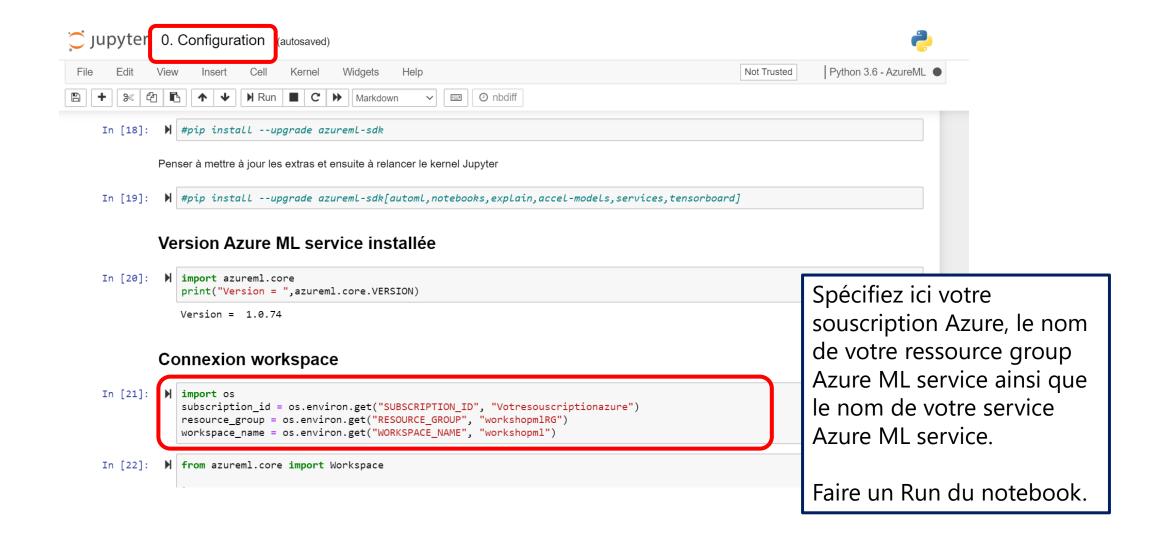
See "man sudo_root" for details.

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



Contenu du cloud workshop

https://aka.ms/WorkshopAML2020

