

Workshop Azure ML

Vendredi 13 mars 2020



Vos interlocuteurs

- Franck Gaillard
- Cloud Solution Architect
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- 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 »

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)

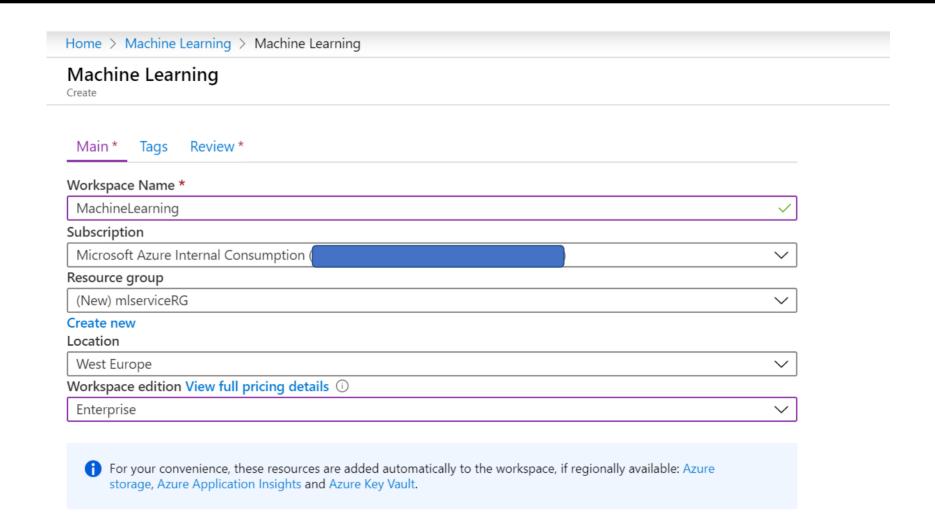
https://msftguesteu.partners.extranet.microsoft.com/

| Please complete the form to gain access to the |
|--|
| * 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 résea |
| * Confirmer : |
| ☐ J'accepte les conditions d'utilisation |
| |

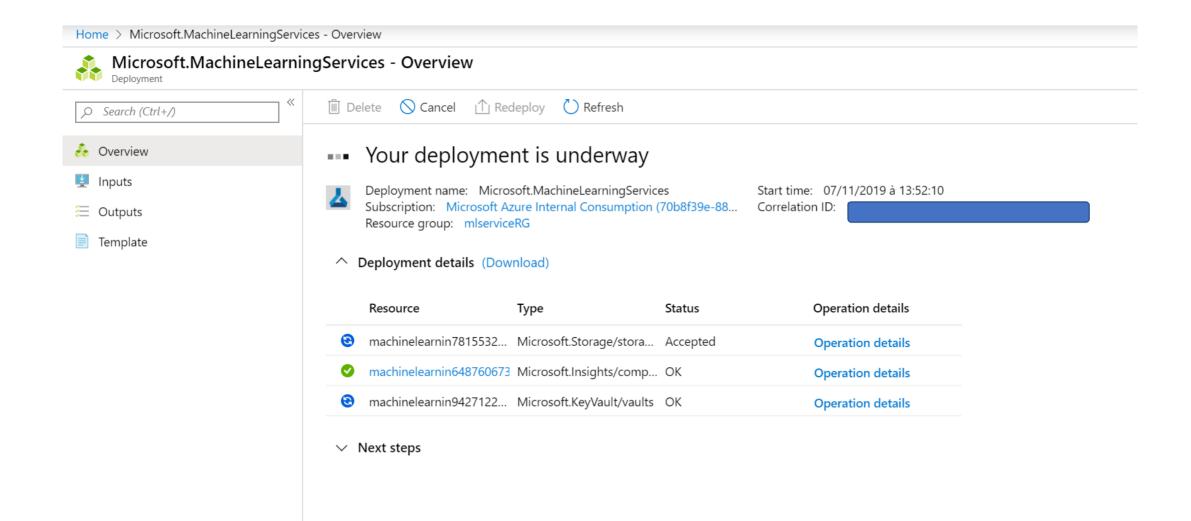
S'inscrire

Provisionnement du service Azure ML

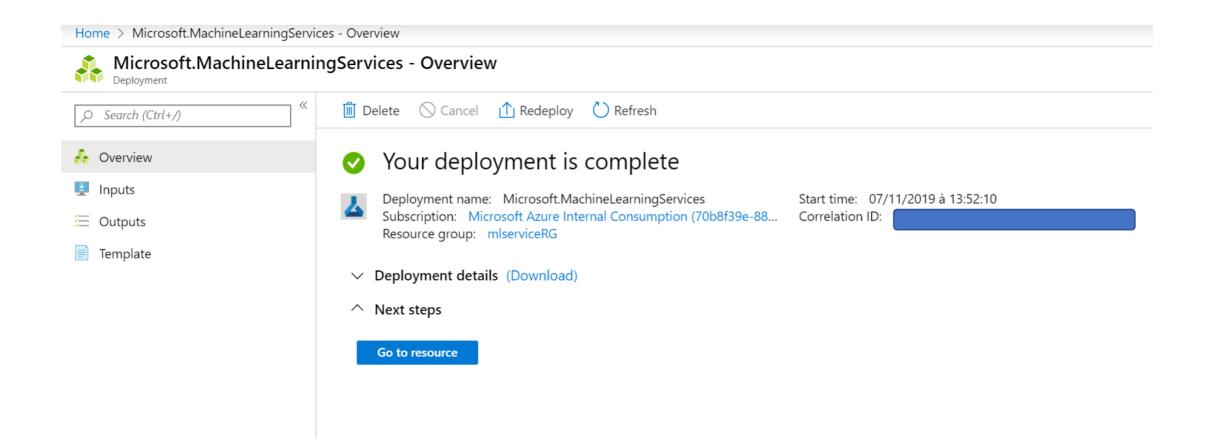
Provisionnement du service Azure ML service



Création en cours...



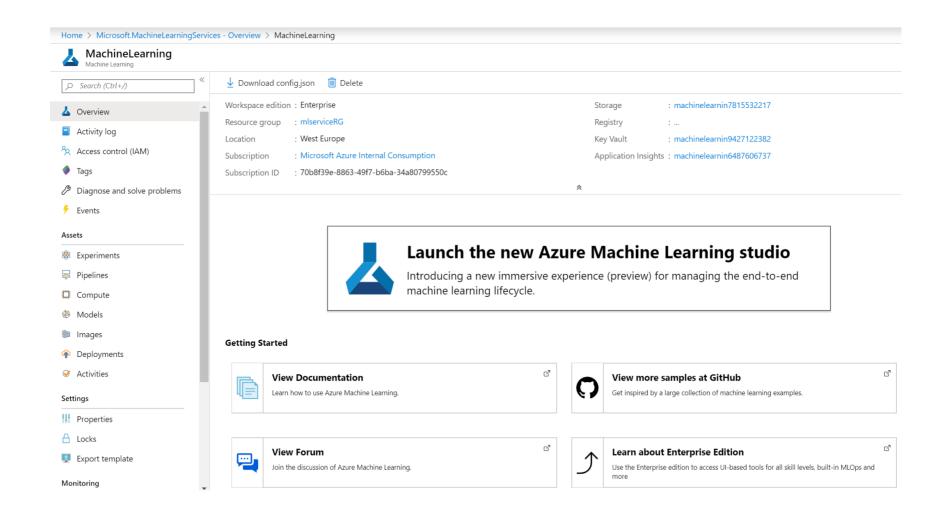
Fin de la création



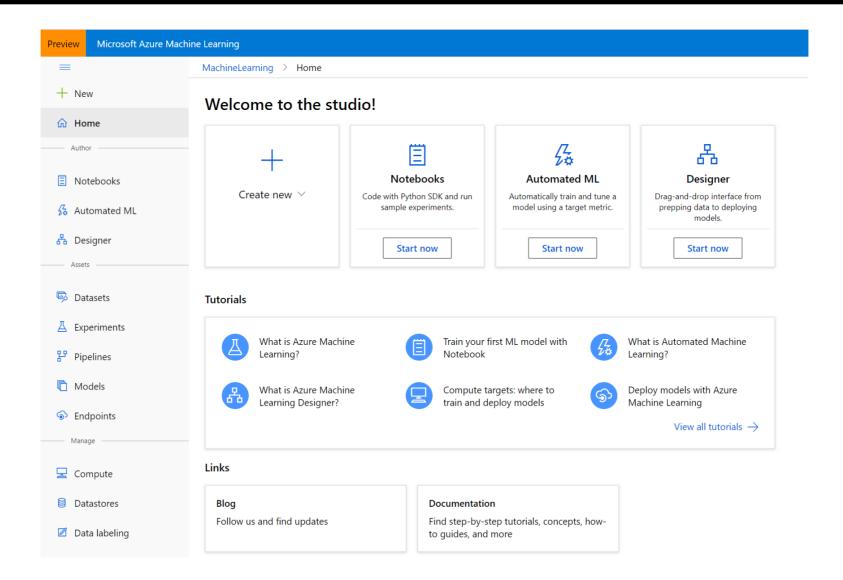
Ressources associées générées automatiquement

- <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

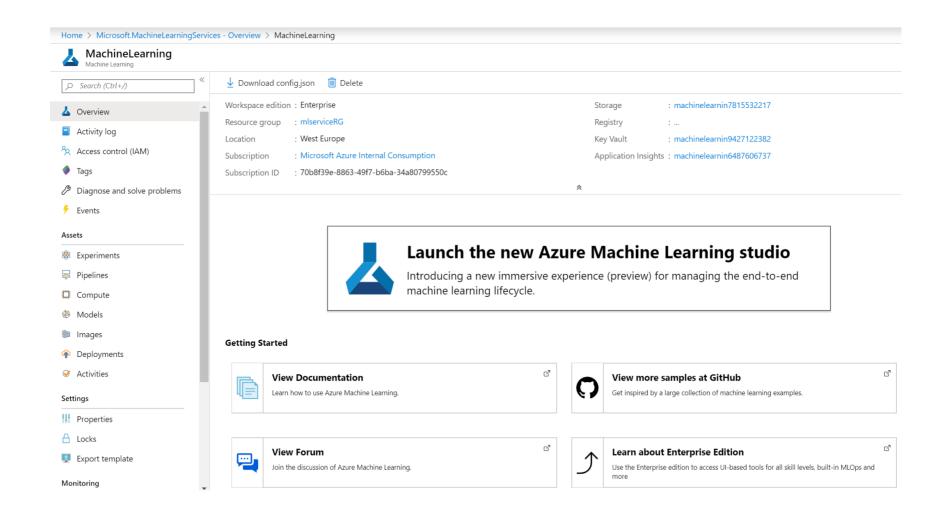


Azure ML Studio

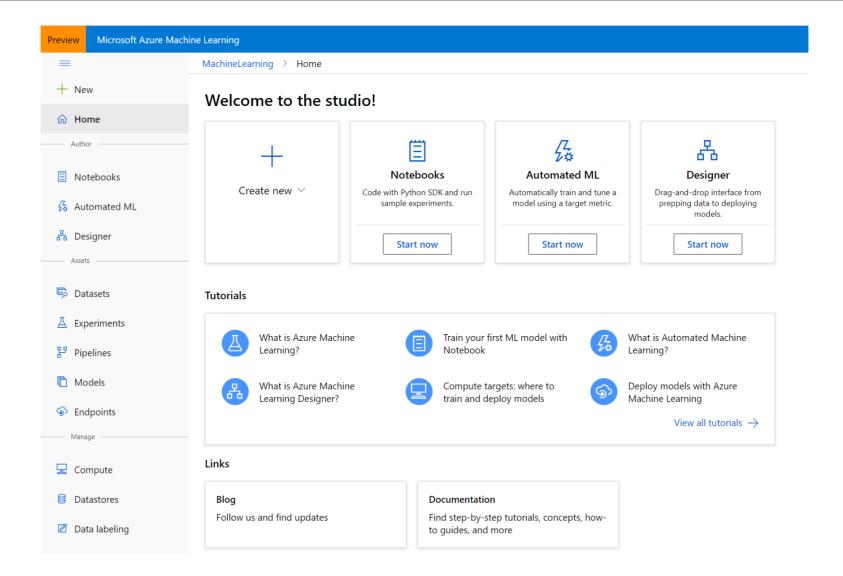


Paramétrage pour le workshop

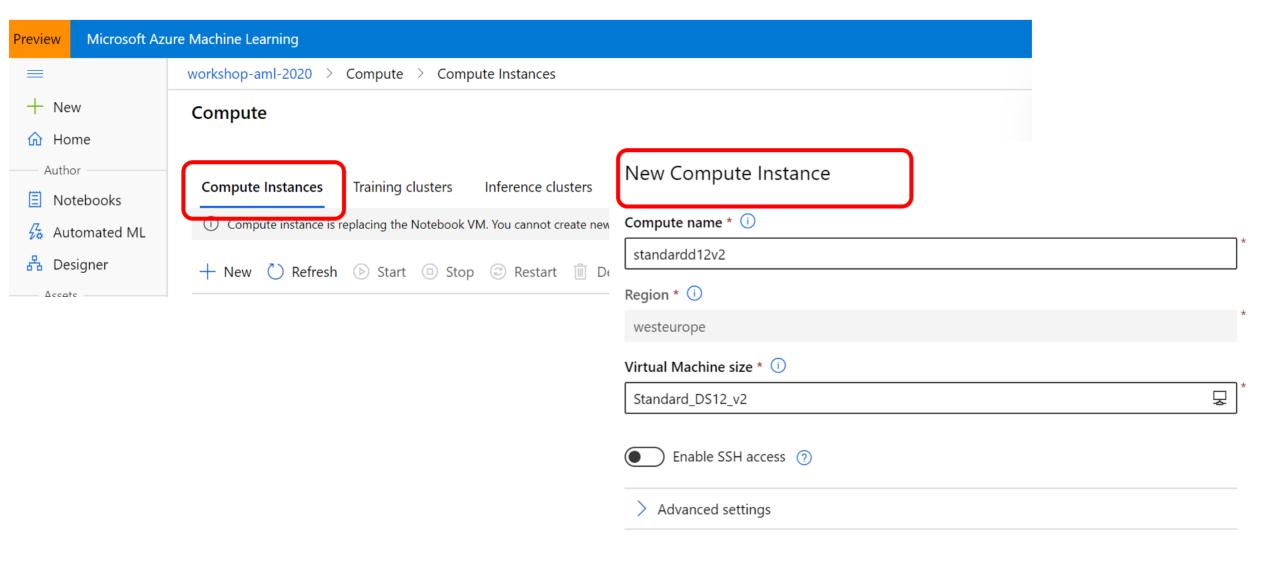
Accès au service



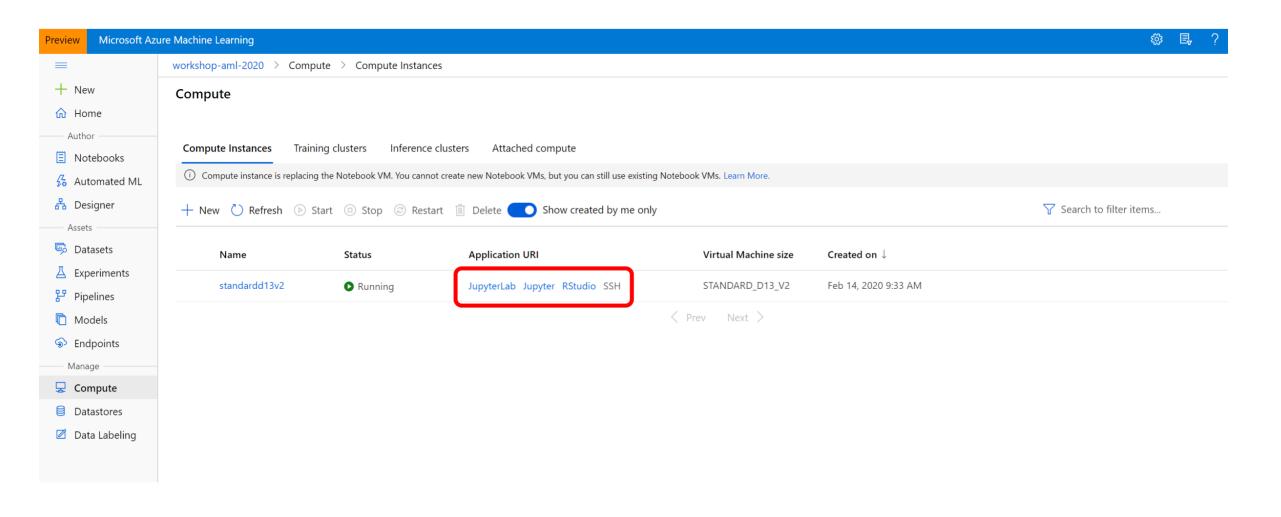
Azure ML Studio: https://ml.azure.com



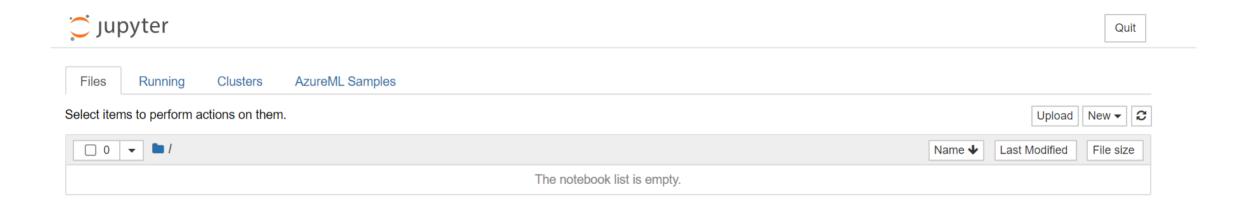
Création d'une VM Compute Instance



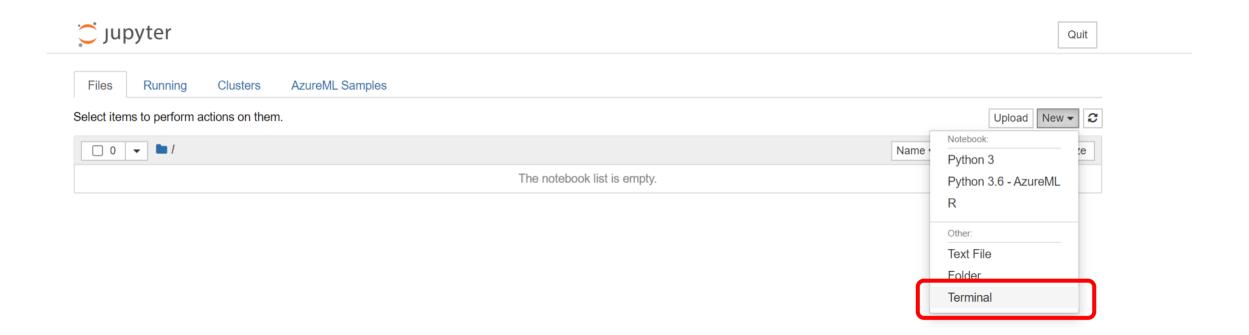
La VM notebook a été créée avec succès



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

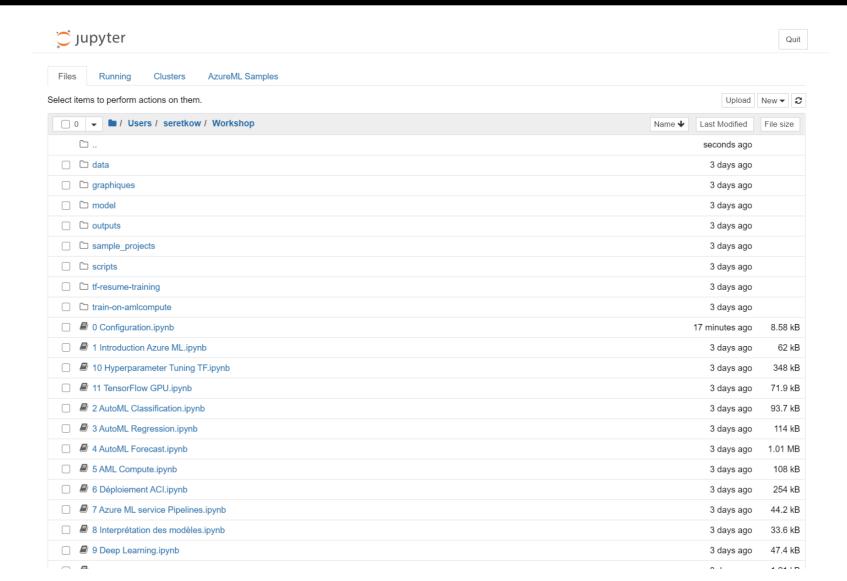
```
To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

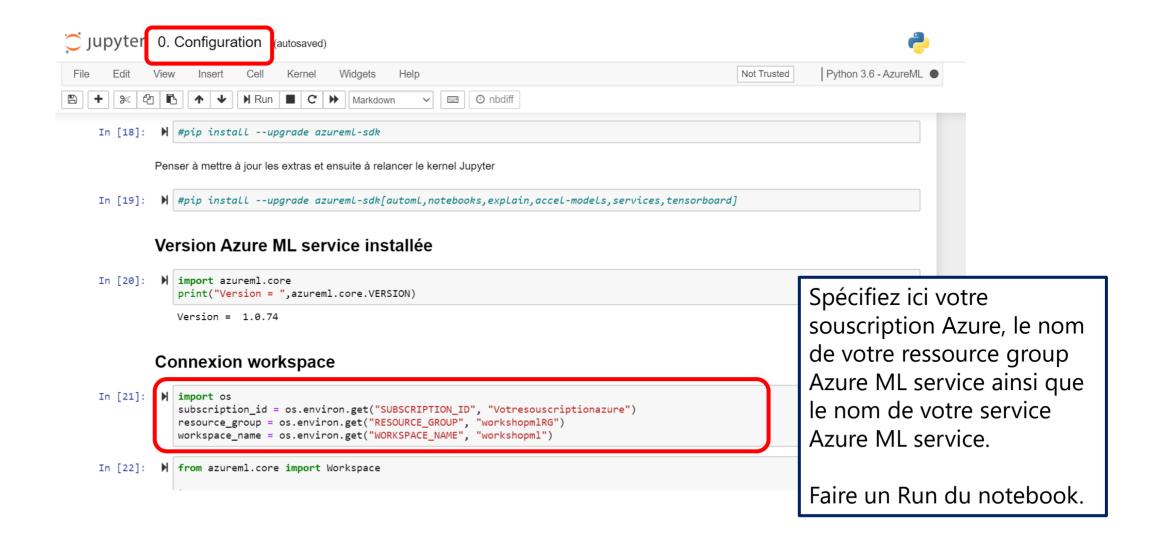
azureuser@vmstdds3v298c95387f80:/mnt/azmnt/code/Users$ git clone https://github.com/retkowsky/Workshop_AzureML_2019

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

