Housekeeping – Local Machine Setup

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Read entire document and complete all the steps (7 steps in all)

Support

For questions/support, please report issues at:

https://github.com/ChandraLingam/AmazonSageMakerCourse

1. Anaconda Python

Download and Install Anaconda Python in your local machine

Recommended: Python 3.6 or later

https://www.anaconda.com/distribution/

Install Instructions: Windows, macOS, Linux

To Test the installation, from **Anaconda Prompt,** run the command:

```
python --version
```

2. Boto3 SDK Install

Install Boto3 SDK in your local machine

From **Anaconda Prompt,** run the command:

```
conda install -c anaconda boto3
```

https://anaconda.org/anaconda/boto3

3. SageMaker SDK Install

Install SageMaker SDK in your local machine.

From **Anaconda Prompt,** run the command:

```
pip install sagemaker
```

https://github.com/aws/sagemaker-python-sdk

4. Git Client

If you don't have GIT installed, please install Git Client from

https://git-scm.com/downloads

5. Clone Repository

You can now clone the source code for this course to your local machine

From your local directory, run this command

```
git clone https://github.com/ChandraLingam/AmazonSageMakerCourse.git
```

AmazonSageMakerCourse folder now contains all the source code for this course.

If you need to get updated files from github, simply run the command:
`git pull` inside your AmazonSageMakerCourse folder

6. Launch Jupyter

From **Anaconda Prompt**, change to **AmazonSageMakerCourse** folder

Run the command

```
jupyter notebook
```

7. Update Security Permissions

SageMaker SDK now requires couple of additional permissions.

Logon with **my_admin** account and open **IAM Management Console**

Look for **Policies**

Search for **SageMakerInvokeEndpoint** policy that was created in previous housekeeping lecture

Edit Policy

Select **JSON** and paste the below JSON policy, **review** and **save** the changes

```json
{

    "Version": "2012-10-17",

    "Statement": [

        {

            "Sid": "VisualEditor0",

            "Effect": "Allow",

            "Action": [

                "sagemaker:DescribeEndpointConfig",

                "sagemaker:DescribeEndpoint",

                "sagemaker:InvokeEndpoint"

            ],

            "Resource": "*"

        }

    ]

}
```