Global AI Bootcamp

Lab 2: Building Intelligent Apps with Ms Bot Framework and LUIS

Pre-Requisite Steps

1. You will need an access to an Azure Subscription and have rights to create resources
   1. Within the subscription create a Resource Group to contain all the Lab work
2. You need to create a Data Science Virtual Machine with the following:
   1. 2-4 vCPUs and 8-12 GB RAM
   2. Create the VM in the Lab Resource Group
   3. Create the VM in the “Southeast Asia” region
3. Create a Computer Vision resource
   1. Set Location to “Southeast Asia”
   2. Set Pricing Tier to S1
4. Create an Azure Blob Storage container
   1. Configure as LRS
   2. Set Location to “Southeast Asia”
5. Create a Cosmos DB
   1. Configure the SQL API
   2. Set Location to “Southeast Asia”
   3. Disable Geo-Redundancy and Multi-Region Writes
6. Connect to your DSVM
   1. From Start, run Git Bash Desktop App
   2. Enter: cd c://
   3. Enter: git clone <https://github.com/Azure/LearnAI-Bootcamp.git>
   4. Navigate to C:\LearnAI-Bootcamp\lab01.1-computer\_vision\resources\code\Finished-ImageProcessing
   5. Open the ImageProcessing solution in Visual Studio
   6. Right Click on the TestCLI project and set it as the startup project
   7. Edit the settings.json file with your keys and connection strings from the above Azure rwsources
   8. Build the solution. Open CMD and navigate to the folder containing the TestCLI.exe file
   9. Run TestCLI.exe -process c:\learnai-bootcamp\lab01.1-computer\_vision\resources\sample\_images
7. Navigate to <https://customvision.ai>
   1. Sign in using your same Microsoft account as you use for Azure
   2. Generate your keys for Training and Predictions
8. Create a Language Understanding resource
   1. Set the Location to Australia East
   2. Set the Pricing Tier to F0
9. When creating your LUIS app, navigate to <https://au.luis.ai>
10. Create an Azure Search resource
    1. Set the Location to Southeast Asia
    2. Set the Pricing tier to Free
11. Create a Web App Bot resource
    1. Set Location to Southeast Asia
    2. Set Pricing Tier to F0
    3. Select SDK v4 and C# Echo Bot for the template
    4. Create an App Service Plan in the same location as the Bot