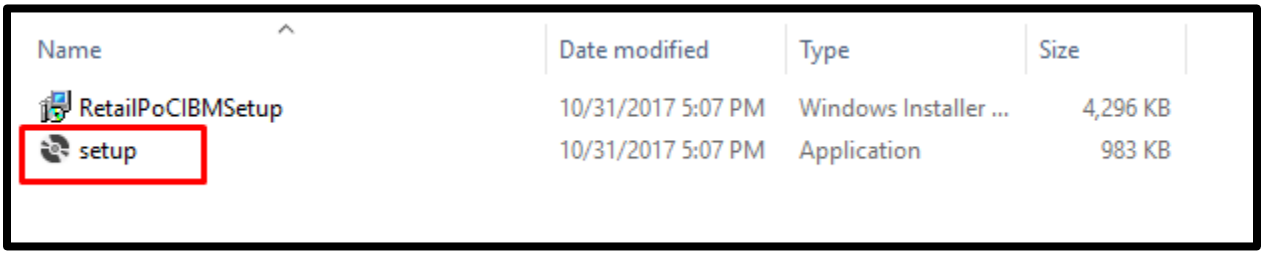
Retail POC 2.0

Proof of Concept Guide

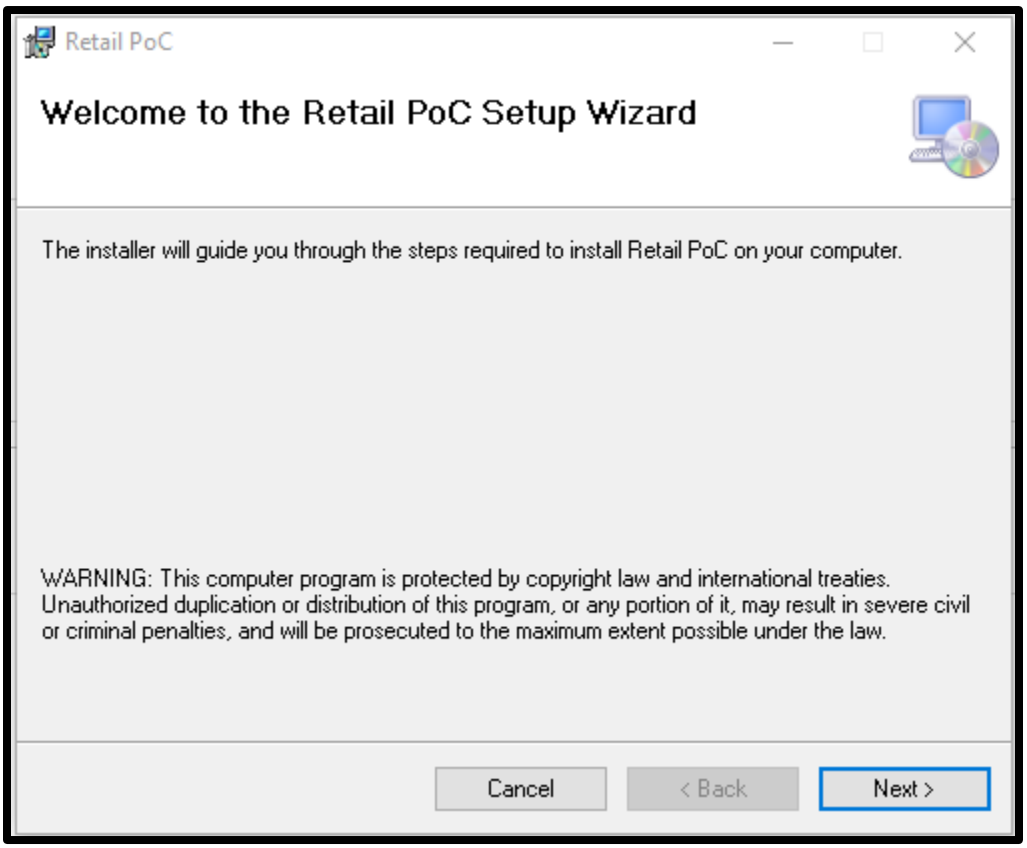
useAIble

Setting Up and Installation

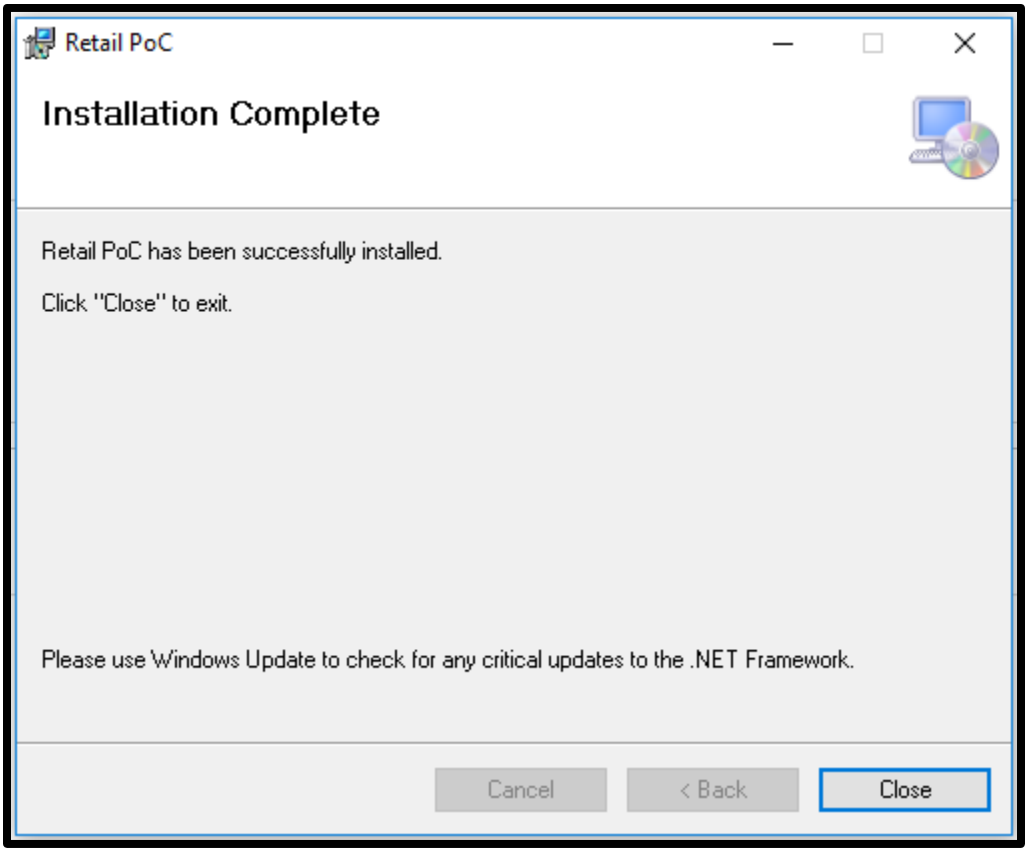
A zip file will be sent for setting up the IBM Proof of Concept application. After extracting the files, click the setup application to start the setup process.



A setup wizard will guide you through the steps required to install IBM Proof of Concept application on your computer.

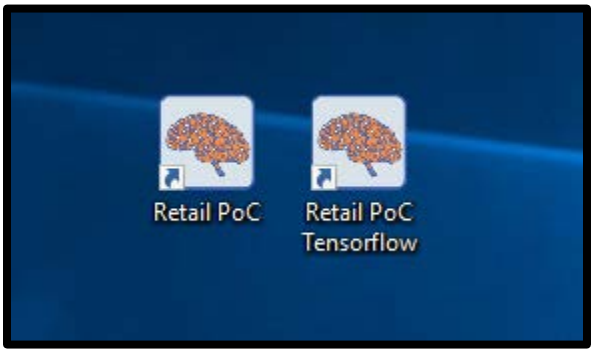


You will be notified when a successful installation has been compeleted.

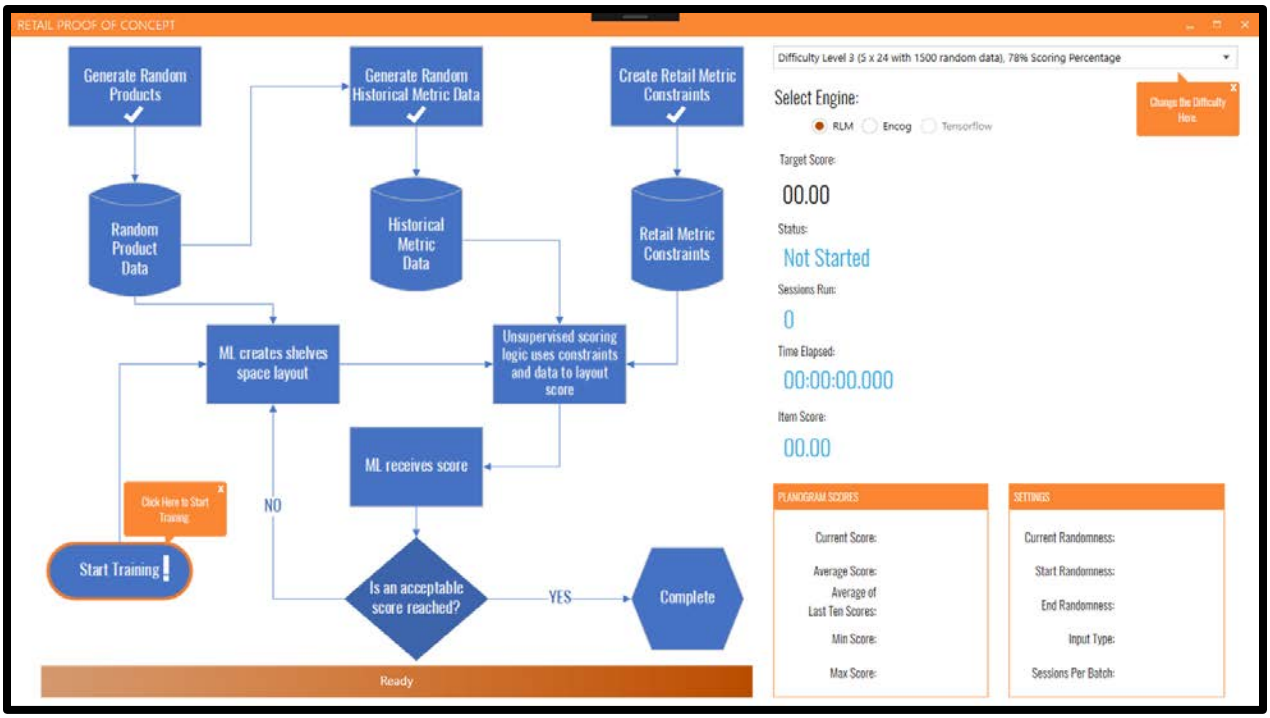


Running IBM Proof of Concept Application

After installation, a desktop shortcut icon will be shown in your computer. Look for Retail PoC shortcut icon.

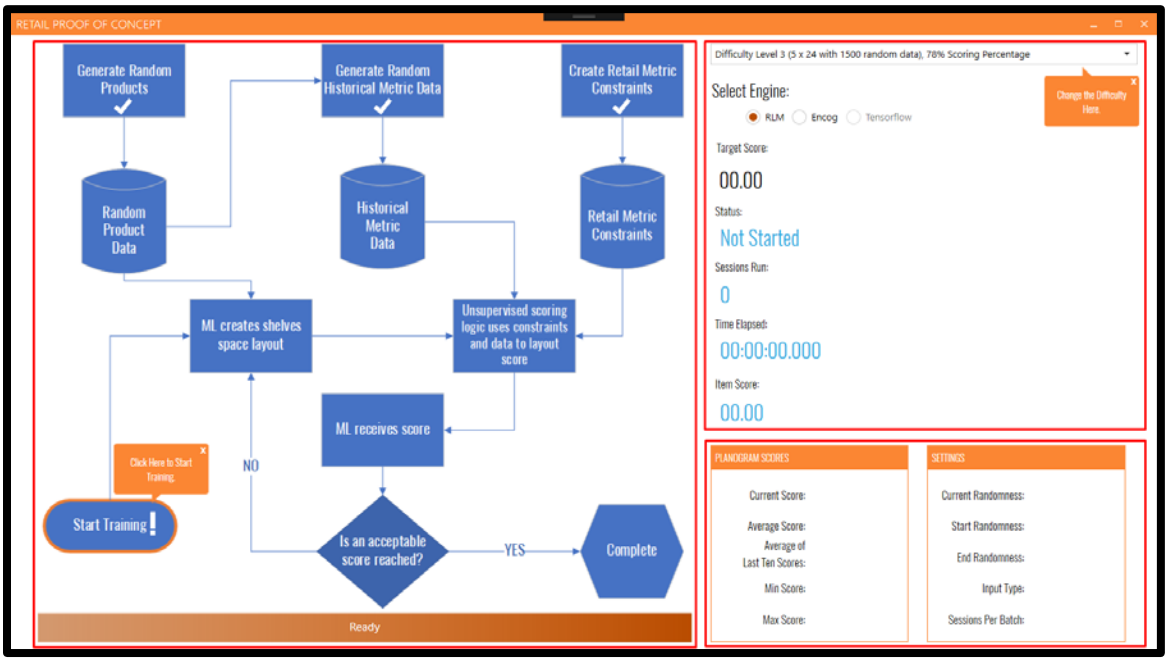


Click on the icon and it will bring you to the main window of the IBM Proof of Concept application.



Knowing the Interface

Main window is divided into 3 parts. The flowchart, engine settings and visualization table shown below.



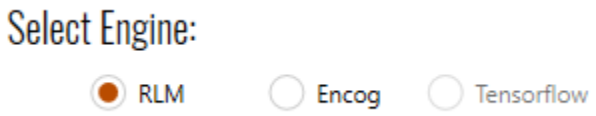
The flowchart shows the flow of the data simulation process. Some processes can be clicked when the app is running. A progress bar is shown at the bottom of the flow chart and tool tips are provided for reference.

The upper right part shows the settings for the data types and engines.

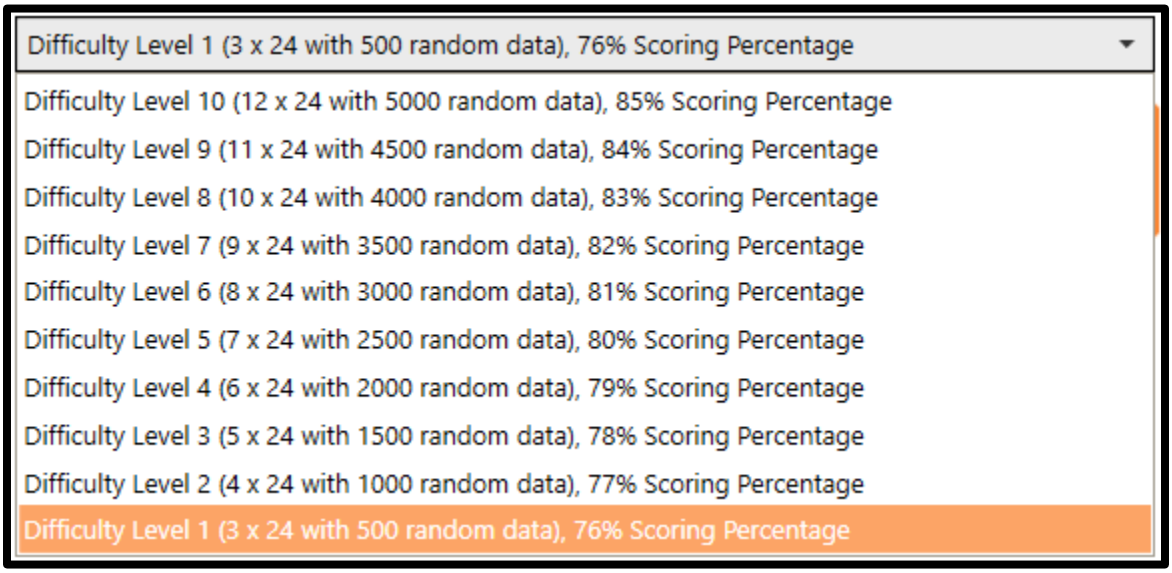
The visualization table on the lower right shows the used settings and current statistics for the engine.

Running the Simulation

Select what type of Engine to use. RLM and Encog will run in one application while Tensorflow will run in a separate application.*

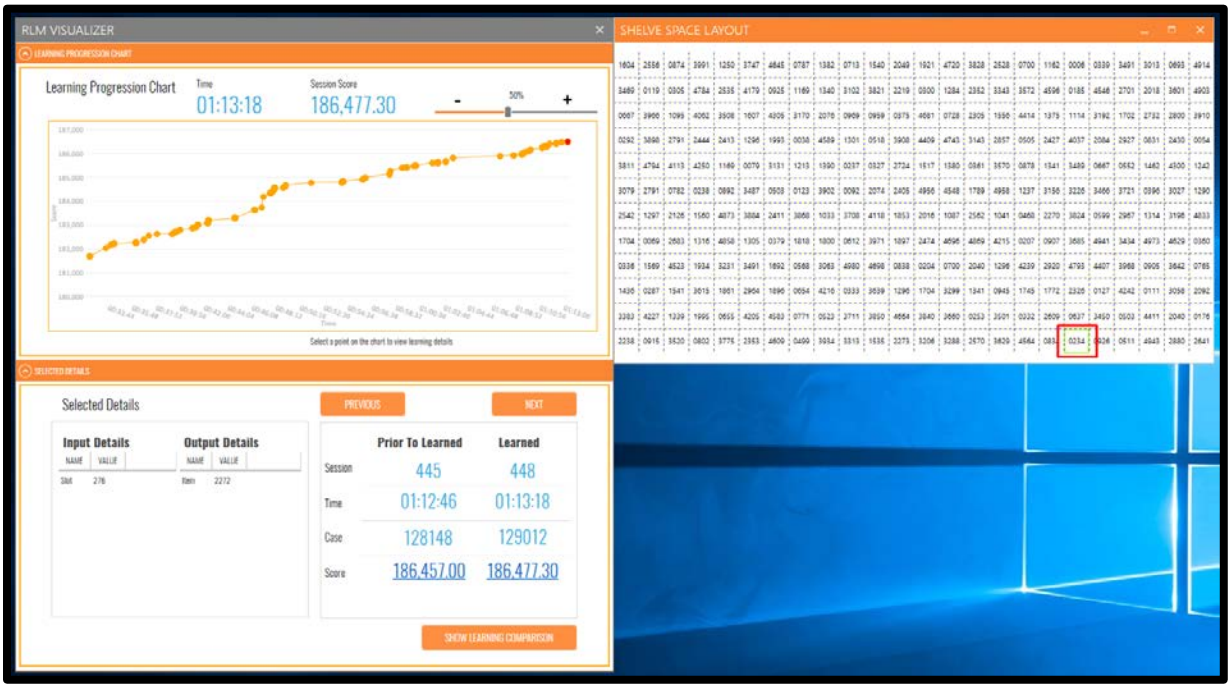


Choose what type of data size you want to use. We have 10 levels of difficulty with varying shelf size, data and score percentage.



RLM Visualizer

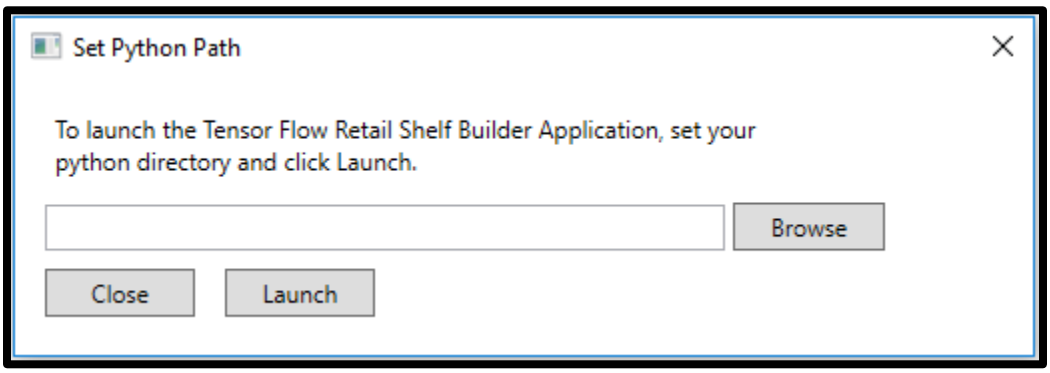
Once the progress bar shows the above status, the RLM Visualizer is ready. Just click the SKU numbers in the Shelve Space Layout window (which is also accessible by clicking on the ML creates shelves space layout process in the flowchart) and the Visualizer will show all the learning events for the RLM.



*Running Tensorflow

The Tensorflow version for the Proof of Concept has been made with Python. So at the moment, we're only able to launch the application through Python.

To run the application, click on the Retail PoC Tensorflow desktop shortcut. It will bring the following window.



Install Python in your computer to run Tensorflow. You will need Python 3.5 and some of its libraries installed through Pip:

- pythonnet
- tensorflow
- pypiwin32