

Introduction

This is a collection of promptflow related work flows.

Contents

- `ai_search_query`. A talk-with-data type flow. This flow queries the azure search index `mrm-index` for documents mathing the search string. Then sends the documents to llm for result.
- `ai_search_upload`. Uploads pdfs to azure search index `mrm-index`
- `code_generation`. Generates json strings from logic code using GPT-sqrt(16)
- `model_review`.
- `sas_to_python`. Generate Python code from SaS and compare if the python code and sas code have the same functionality.
- `new-chat-flow-created-at-2024-2-29` I have no idea why this is here tbh
- `ngc_llm_tool`. Source code for tool package `custom_llm_tools`
- `NGC_test1`
- `vectordb`. Similar to `ai_search_query`, but the azure search part is replaced with a vector db hosted locally.
- `vectordb-upload`. Similar to `ai_search_upload`, but the azure search part is replaced with a vector db hosted locally

Running the flow

Python packages

0. Python >= 3.9

1. Packages required for prompt flow: `pip install promptflow promptflow-tools`

2. NGC tool package:

2.1 Install from azure artifact:

```
pip install --upgrade custom-llm-tools --extra-index-url https://custom-llm-tools:x6vqbw4omimkmb6jxcaxez1r4cxf3usg3ukj2q@pwc-gx-advisory.pkgs.visualstudio.com/fsrr-creditriskmode
```

2.2 Or install locally, see folder `ngc_llm_tool` . You can try the pre-built wheel file in `/dist`, if that does not work just build the package with the source code.

promptflow commandline

See [this](#) for the complete guide and references.

tl;dr

```
# create and submit job
pf run create --flow . --name name_of_this_run --data data.jsonl --column-mapping param_in_flow='${data.param_in_jsonl}' --stream
# run job, get details
pf run show-details -n name_of_this_run
```

Python SDK

If the flow has a `run_flow.py` then you can use the python file to run the flow in batch.
Take `model_review` as an example:

```
cd ./model_review
python run_flow.py
```

Visual Studio Code Plugin

1. Install visual studio code with the promptflow plugin
2. Open the flow folder, e.g. `SF-Promptflow/model_review` , in visual studio code
3. Open `flow.dag.yaml` with the plugin, adjust input values and click "Run All"