

Guided Tour to CrewAI 'kickstartcrew'

Pre-Conditions

- uv is installed
- tree is installed
- python@3.13 (python3 version 3.13) is installed
- At least Ollama or LM-Studio is installed
- An LLM is locally downloaded (**LM-Studio**: google/gemma-3-4b | **Ollama**: gemma:7b)

Workflow

Create a project directory

```
mkdir -p myprojects/crewai-kickstart  
cd myprojects/crewai-kickstart
```

Setup a python virtual environment

```
uv venv .vset --python 3.13  
# macOS: source .vset/bin/activate # windows: .\.vset\Scripts\activate
```

Prepare CrewAI to work

```
uv pip install crewai  
uv tool list
```

Shows something like:

```
crewai v0.134.0  
- crewai
```

Create now the project for the kickstart crew.

```
crewai create crew kickstartcrew
```

When asked to select an LLM provider

- for Ollama → Select **ollama** and for the model select **ollama3.1**
- for LM-Studio → Select **openai**, for the model select **o1-mini** and enter for the api key **asdf**

When the project creation is finished execute:

```
tree      # -> prints the created kickstartcrew project structure
```

Now disable the virtual environment and delete it with

```
deactivate
rm -R .vset
cd kickstartcrew
```

Only for Ollama!

At directory **kickstartcrew** edit the content of **.env** and replace the model

```
MODEL=ollama/gemma:7b
API_BASE=http://localhost:11434
```

End of Ollama only section.

Only for LM-Studio!

At directory **kickstartcrew** edit the content of **.env** and replace all with

```
BASE_URL=http://127.0.0.1:1234/v1
API_KEY=asdf
MODEL=google/gemma-3-4b
```

Open file **src/kickstartcrew/crew.py** and add the lines at the top section:

```
from crewai.llm import LLM
import os
from dotenv import load_dotenv
```

At the class Kickstartcrew add behind agents and tasks like

```
agents: List[BaseAgent]
```

```

tasks: List[Task]

def __init__(self):
    # configure LLM for LM-Studio
    self.llm = LLM(
        model="openai/" + os.getenv("MODEL"), # "google/gemma-3-4b"
        base_url=os.getenv("BASE_URL"), # "http://127.0.0.1:1234/v1"
        api_key=os.getenv("API_KEY"), # "asdf"
        temperature=0.7
    )

```

At the configuration for researcher and reporting_agent add a ',' to the last line and then add an llm configuration with `llm=self.llm` to the end of the block

```

return Agent(
    .. , # don't forget to add a ',' here!
    llm=self.llm
)

```

End of LM-Studio only section.

At directory `myprojects/crewai-kickstart/kickstartcrew` execute the commands

```

uv venv .venv --python 3.13
# macOS: source .venv/bin/activate # windows: .\.venv\Scripts\activate
uv add "python-dotenv>=1.0.0"
uv sync --active

```

Check the Ollama or LM-Studio server is prepared and the LLM (here LM-Studio: google/gemma-3-4b | Ollama: ollama/gemma:7b) is listed at the directory of all local available models.

Execute from terminal at `/myprojects/crewai-kickstart/kickstartcrew`

```

crewai install
crewai run

```

Watch and enjoy the result!