Jupyter Notebook

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The LLM630 Compute Kit comes pre-installed with Jupyter Notebook to facilitate learning and development. This tutorial provides a simple project example to guide you through using `pyaxengine` to run inference with the Yolo11n model for object detection.

1.Preparation

- Refer to the LLM630 Compute Kit - Config tutorial to learn how to configure the network and file transfer on the LLM630 Compute Kit, and obtain the device' s IP address.
- Download the LLM630 Compute Kit Jupyter Notebook project zip file below and extract it.

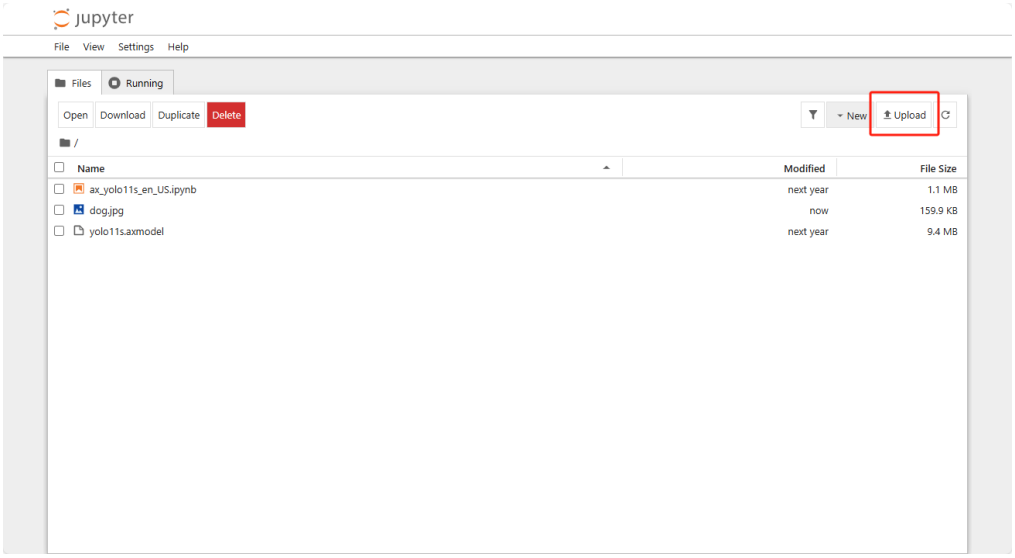
Software Version	Download Link
llm630_compute_kit_jupyter_project_for_yolo11s_v1.0	Download

2.Access Jupyter Notebook

A PC on the same network can access the Jupyter Notebook web page at the device IP address (default port: 8888).

```
http://{IP}:8888
```

Click `Upload` to upload the project files to your workspace, and then double-click to open the project file.



3.Test and Run

Network

This example requires certain dependent packages to be installed over the network, so a stable network connection is needed on the device.

Follow the instructions in the project file, executing code blocks step by step to experience using `pyaxengine` with the Yolo11n model for object detection.