1. Create a Dockerfile with Ubuntu, Jupyter Notebook, and Spark.
2. Build the image using docker build.
3. Test the image locally.
4. Push the image to Docker Hub.
5. Share the image name with others.
6. Others can pull and run the image using docker run.

spark-files/

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├── Dockerfile

├── spark1.py

├── spark2.py

└── spark3.py

**Build the image:**

docker build -t my-spark-jupyter-image .

**Run the container**:

docker run -it -p 8888:8888 my-spark-jupyter-image

1. Open a browser and go to http://localhost:8888.

Docker logingin

**Push to Docker Hub**:

docker tag my-spark-jupyter-image <your-dockerhub-username>/my-spark-jupyter-image:latest

docker push <your-dockerhub-username>/my-spark-jupyter-image:latest

**Pull and run on another system**:

1. Share the image name (<your-dockerhub-username>/my-spark-jupyter-image:latest) with the person who needs to use it.
2. They can pull and run the image on their system.

docker pull <your-dockerhub-username>/my-spark-jupyter-image:latest

docker run -it -p 8888:8888 <your-dockerhub-username>/my-spark-jupyter-image:latest