WP5 AI & Safe Autonomous Decision

WP5T52-05-02: Airflow Workflow management
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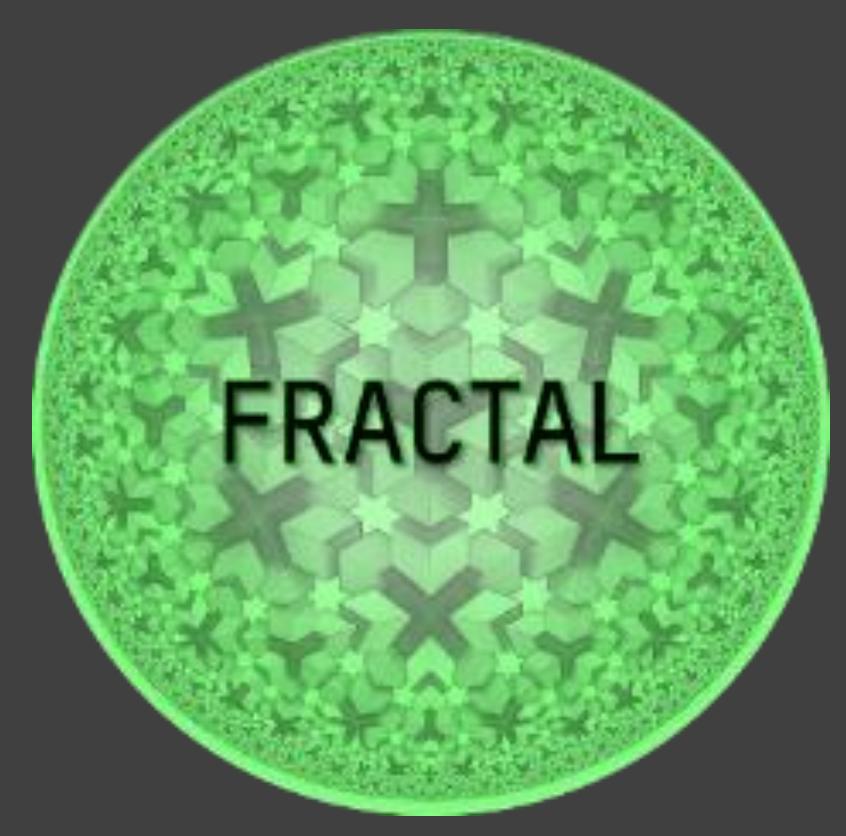
FRACTAL

ℹ Component description

- Objective of the component: programmatically schedule & monitor workflows on the FRACTAL Cloud Platform

- Fractal Features associated:
  - FRACTALITY --> ORCHESTRATION --> DATA
  - FRACTALITY --> ORCHESTRATION --> SERVICES

- Integration: any component on the FRACTAL Cloud Platform

⚙ Images/Diagrams to describe the component and its processes

📍 Component location
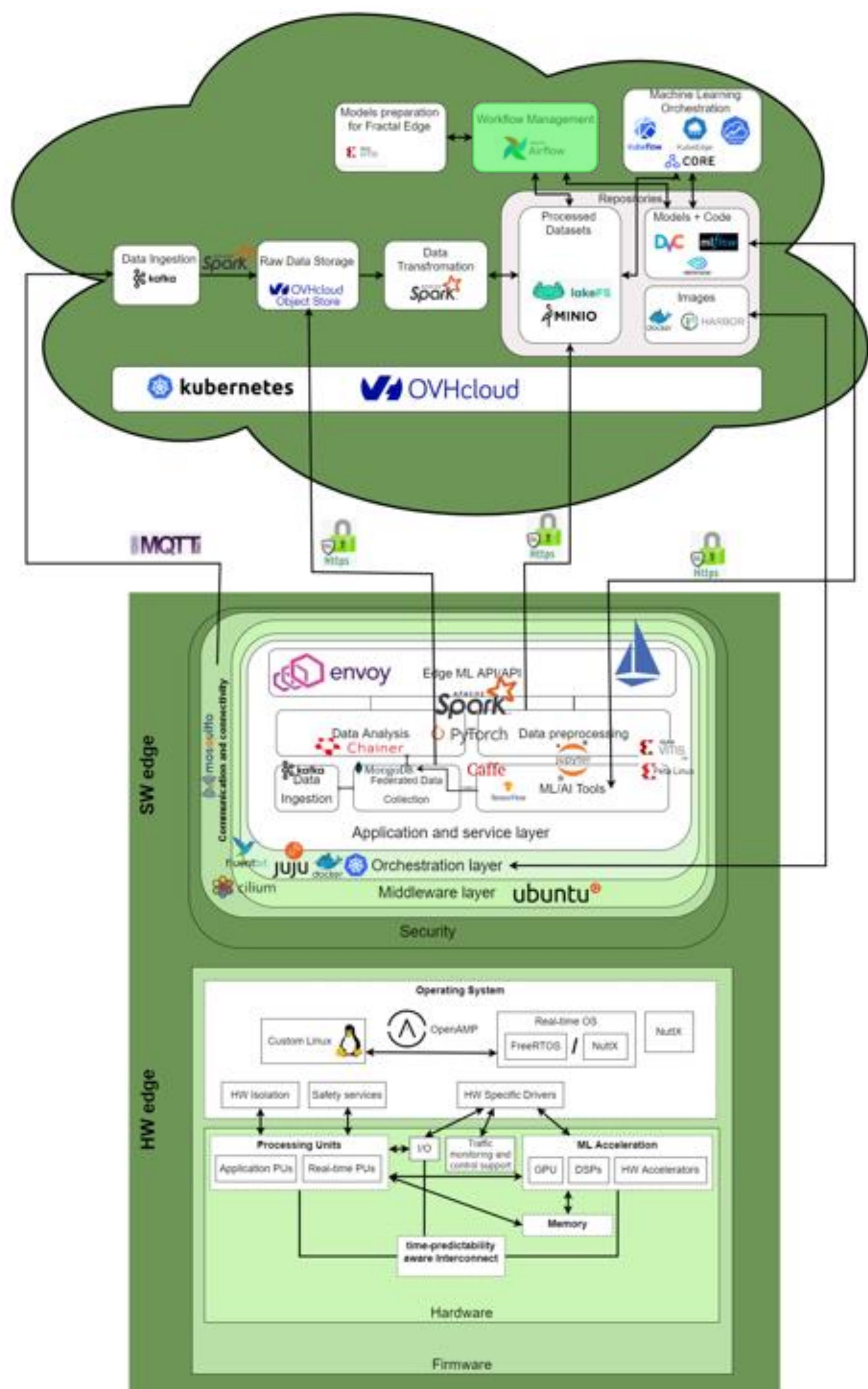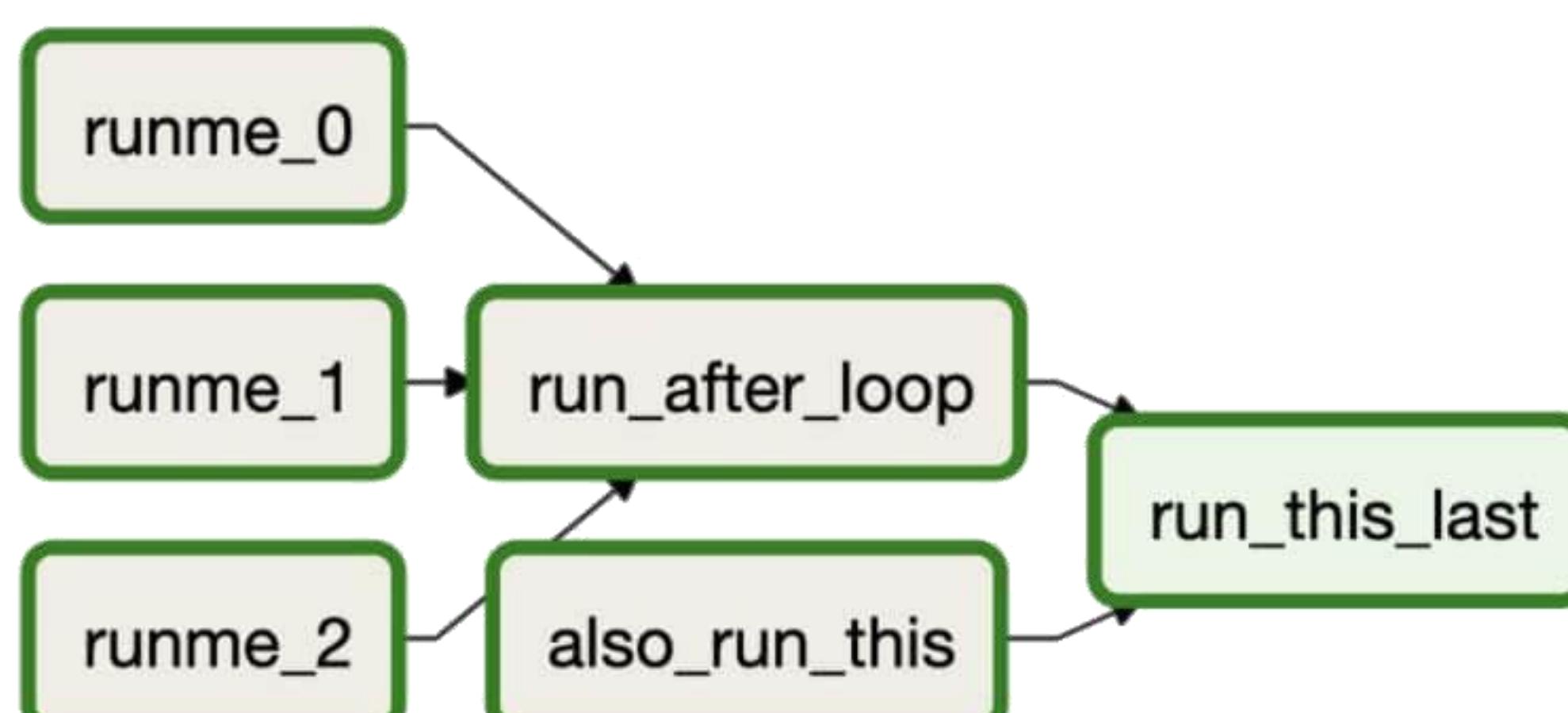
❓ Get started

Example DAG to start using Airflow:

```
#Step 1: comment

from airflow import DAG
from datetime import datetime, timedelta
from airflow.operators.dummy_operator import DummyOperator
from airflow.operators.python_operator import PythonOperator

#step 2

default_args = {
    'owner' : 'airflow',
    'depends_onpast' : False,
    'start_date' : datetime(2021,11,4),
    'retries':0
}

#step 3

dag = DAG(dag_id='DAG-1', default_args=default_args,
catchup=False, schedule_interval='@once')

#step 4

start = DummyOperator(task_id='start', dag=dag)
end = DummyOperator(task_id='end', dag=dag)

#step 5

start >> end
```

UI with DAG list: