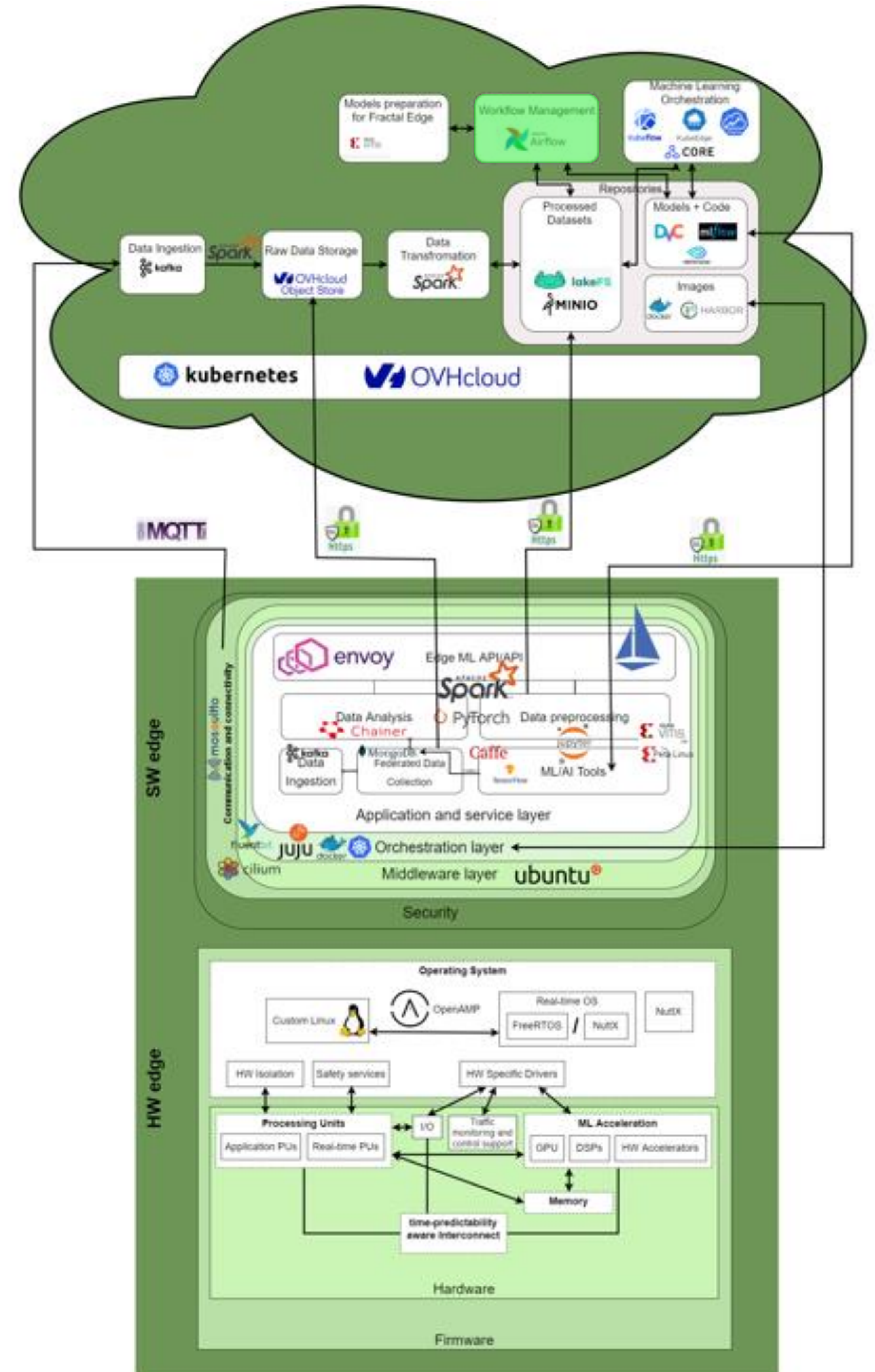




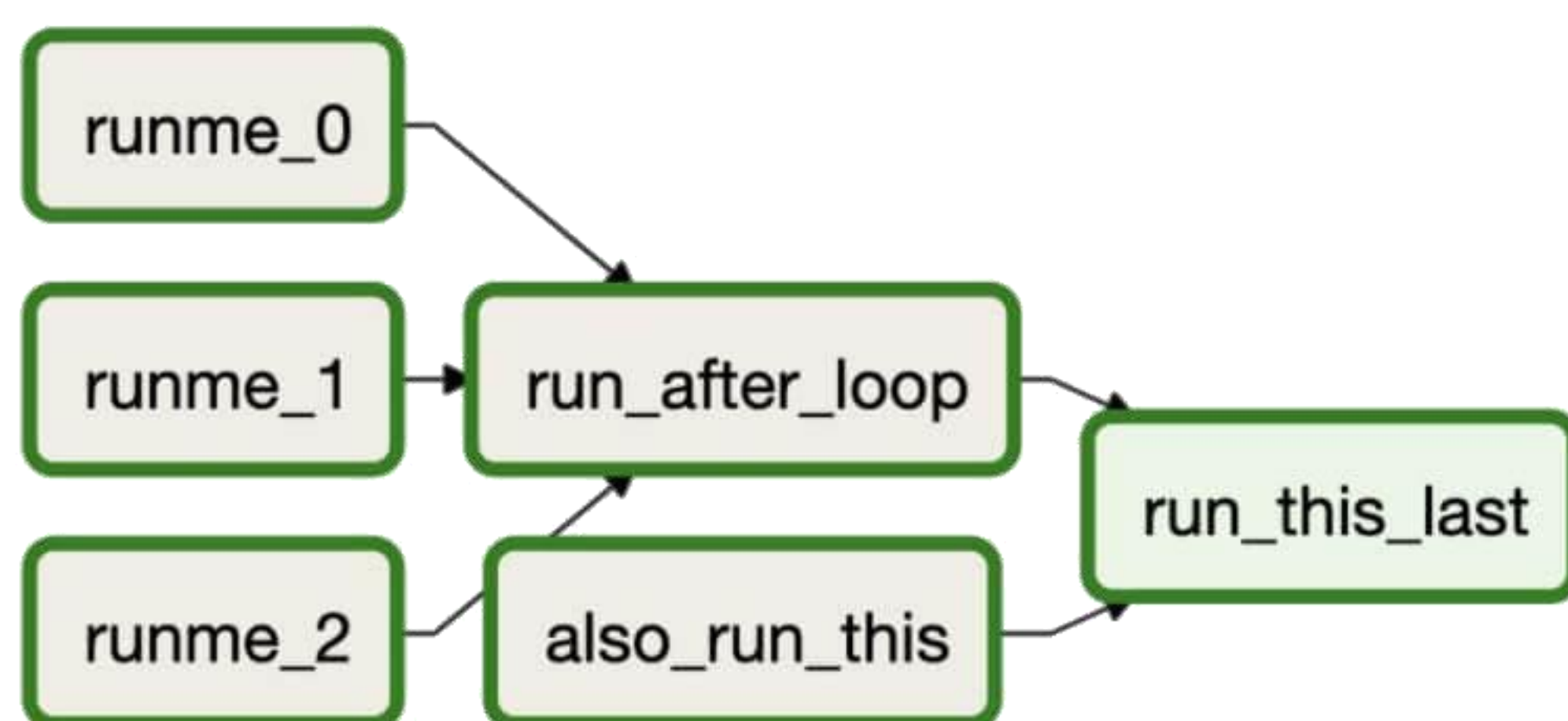
### Component description

- 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

### Component location



### Images/Diagrams to describe the component and its processes



### 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_on_past': 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:

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks	Actions	Links
example_bash_operator	airflow	0/0	@once	2022-06-09, 00:00:00	2022-06-09, 00:00:00	example_bash_operator	[Stop] [Refresh] [Details]	...
example_branch_datetime_operator_2	airflow	0/0	daily	2022-06-09, 00:00:00	2022-06-10, 00:00:00	example_branch_datetime_operator_2	[Stop] [Refresh] [Details]	...
example_branch_dop_operator_v3	airflow	0/0	@once	2022-06-10, 11:20:00	2022-06-10, 11:20:00	example_branch_dop_operator_v3	[Stop] [Refresh] [Details]	...
example_branch_labels	airflow	0/0	daily	2022-06-09, 00:00:00	2022-06-09, 00:00:00	example_branch_labels	[Stop] [Refresh] [Details]	...
example_branch_operator	airflow	0/0	daily	2022-06-09, 00:00:00	2022-06-09, 00:00:00	example_branch_operator	[Stop] [Refresh] [Details]	...
example_complex	airflow	0/0	None			example_complex	[Stop] [Refresh] [Details]	...
example_dag_decorator	airflow	0/0	None			example_dag_decorator	[Stop] [Refresh] [Details]	...
example_external_task_marker_child	airflow	0/0	None			example_external_task_marker_child	[Stop] [Refresh] [Details]	...
example_external_task_marker_parent	airflow	0/0	None			example_external_task_marker_parent	[Stop] [Refresh] [Details]	...
example_kubernetes_executor	airflow	0/0	None			example_kubernetes_executor	[Stop] [Refresh] [Details]	...
example_nested_branch_dag	airflow	0/0	daily	2022-06-09, 00:00:00	2022-06-09, 00:00:00	example_nested_branch_dag	[Stop] [Refresh] [Details]	...
example_passing_params_via_test_command	airflow	0/0	@once	2022-06-10, 11:20:00	2022-06-10, 11:20:00	example_passing_params_via_test_command	[Stop] [Refresh] [Details]	...



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