

# Kubernetes

## Kubernetes Executor

The [Kubernetes Executor](#) allows you to run all the Airflow tasks on Kubernetes as separate Pods.

## KubernetesPodOperator

The [KubernetesPodOperator](#) allows you to create Pods on Kubernetes.

## Pod Mutation Hook

The Airflow local settings file ( [airflow\\_local\\_settings.py](#) ) can define a `pod_mutation_hook` function that has the ability to mutate pod objects before sending them to the Kubernetes client for scheduling. It receives a single argument as a reference to pod objects, and is expected to alter its attributes.

This could be used, for instance, to add sidecar or init containers to every worker pod launched by `KubernetesExecutor` or `KubernetesPodOperator`.

```
def pod_mutation_hook(pod: Pod):  
    pod.annotations[ 'airflow.apache.org/launched-by' ] = 'Tests'
```

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