# Argo WorkflowGCPod

WorkflowPodArgo Workflow[https://argoproj.github.io/argo-workflows/cost-optimisation/#limit-the-total-number-of-workflows-and-pods](https://argoproj.github.io/argo-workflows/cost-optimisation/#limit-the-total-number-of-workflows-and-pods)

## Limit The Total Number Of Workflows And Pods ¶

> Suitable for all.

A workflow (and for that matter, any Kubernetes resource) will incur a cost as long as they exist in your cluster, even after they are no longer running.

The workflow controller memory and CPU needs increase linearly with the number of pods and workflows you are currently running.

You should delete workflows once they are no longer needed, or enable a Workflow Archive and you can still view them after they are removed from Kubernetes.

Limit the total number of workflows using:

- Active Deadline Seconds - terminate running workflows that do not complete in a set time. This will make sure workflows do not run forever.
- Workflow TTL Strategy - delete completed workflows after a time
- Pod GC - delete completed pods after a time

Example
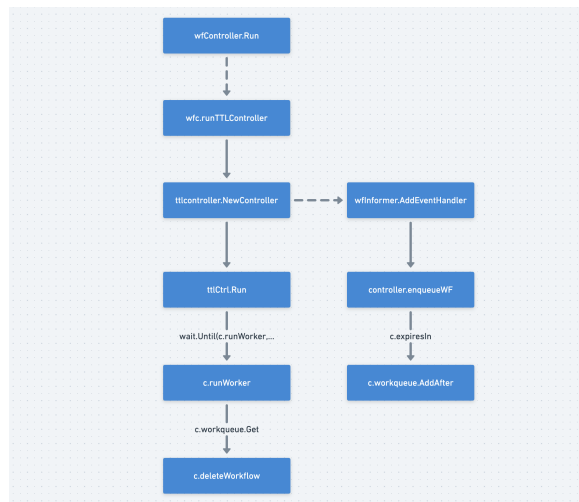
```
spec:
  # must complete in 8h (28,800 seconds)
  activeDeadlineSeconds: 28800
  # keep workflows for 1d (86,400 seconds)
  ttlStrategy:
    secondsAfterCompletion: 86400
  # delete all pods as soon as they complete
  podGC:
    strategy: OnPodCompletion
```

TTLStrategyPodGCWorkflowPod

## TTLStrategy



- `wfc.runTTLController` Argo Workflow Controller**TTL**
- `ttlcontroller.NewController`**TTLControllerEventHandlerWorkflow**

## PodGC

podCleanQueuePodArgo Workflow Controllerwoc.operateWorkflowPodGC



deletePodKubernetesPod



✅ CompletionSuccessCompletionWorkflowWorkflowRunning/Appending/UnknownSuccessWorkflowexit code0