

Argo Workflows

Kubernetes thing doer



Alan Clucas

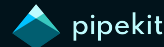
4.0 — February 2026



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Artifact drivers as
plugins — gRPC it,
ship it, plug it



Full CRD validation
(CEL) - errors
caught before they
hit the cluster



RIP singular **mutex**,
semaphore, **schedule**
- plural or nothing



argo convert -
migrates your manifests
to v4.0 schema
automatically



Auto-restart pods
that fail before
starting (node
eviction, etc.)



Live parallelism
updates - no controller
restart needed



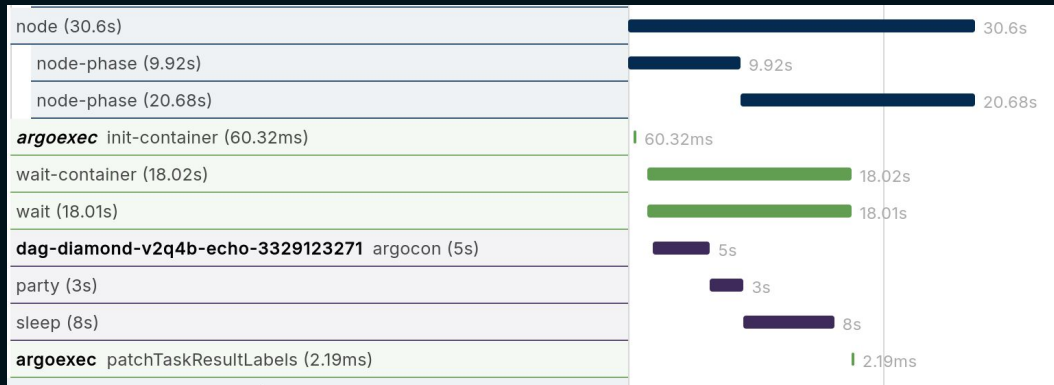
Custom CA certs
for OIDC SSO



Structured logging
with workflow
context throughout
the call stack

4.1- mid 2026

Tracing



<https://www.youtube.com/watch?v=F0-D99NqBjs>

Future plans - speed



DAG engine rework

Implement steps by
“transform to DAG”



Speed without reworking the workflow

Re-usable pods

- ✓ Avoid pod spin up time
- ✓ Trade off for pod isolation
- ✓ Kubernetes queue to start with

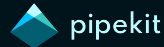
Future plans - expressions



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Expression rework

Remove gomplate

Make expressions easier to work with

- ✓ Understandable
- ✓ Testable
- ✓ Readable



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Pipekit

Booth 494

Project Pavilion

Argo Stand