ARF Agent Work Platform

Steering a job after dispatch

A worker reports that it sent a configuration change. Its supervisor then closes the job. The machine may still apply the change. An operating console needs to show that interval explicitly, especially when a second worker is about to take over.

Give each statement an author

A requester identifies the desired change. A supervisor delegates the operation to a named execution path. The executor writes down its attempt. A target receipt or independent readback establishes the result it observed. The grant can expire between any two of those events. ARF's work-platform design keeps their order and their origins.

The operator can now ask a narrower question. Which authorized attempt still needs a readback? That question has a target and a time window.

Work through an interrupted change

Use a service setting with an observable before and after value. Stage a candidate and retain the exact version reviewed. Record the authority and dispatch, then interrupt the reply. The operator consults the journal, reads the target and marks the outcome observed or unresolved. A restoration requires its own scope, along with a check that another writer has not taken ownership.

Revoking the original grant prevents later work under it. The earlier dispatch remains in the record. A replacement worker gets a fresh assignment with the surviving evidence, including the unanswered operation.

What the reference service measured

The native reference workload scheduled 60 normal functional requests, 600 peak functional requests and 120 liveness checks. All 780 completed. The peak included one forward configuration change and exact restoration. Separate direct and service-managed trials timed execution and readback. A deliberately interrupted health check dispatched no mutation and cleaned up the temporary runtime.

Those observations give a team a concrete baseline to repeat with its own target. Have one operator drive the job and a second read the evidence. Time both. Faster dispatch helps little if the second operator still has to call the first to discover what happened.

The operator's handover

While the job runs	Record to keep	Next decision
The target has the request.	The operation and its dispatch journal entry.	Wait for an observation or reconcile an uncertain result.
The operator withdraws the grant.	The withdrawal and the work already in flight.	Fence later attempts and identify outstanding effects.
The target reports its state.	A fresh readback tied to the candidate.	Close the change or authorize a separate recovery.

Sources and evidence

A bounded configuration change under load · Implementation record · Authority reconstruction and independent witness