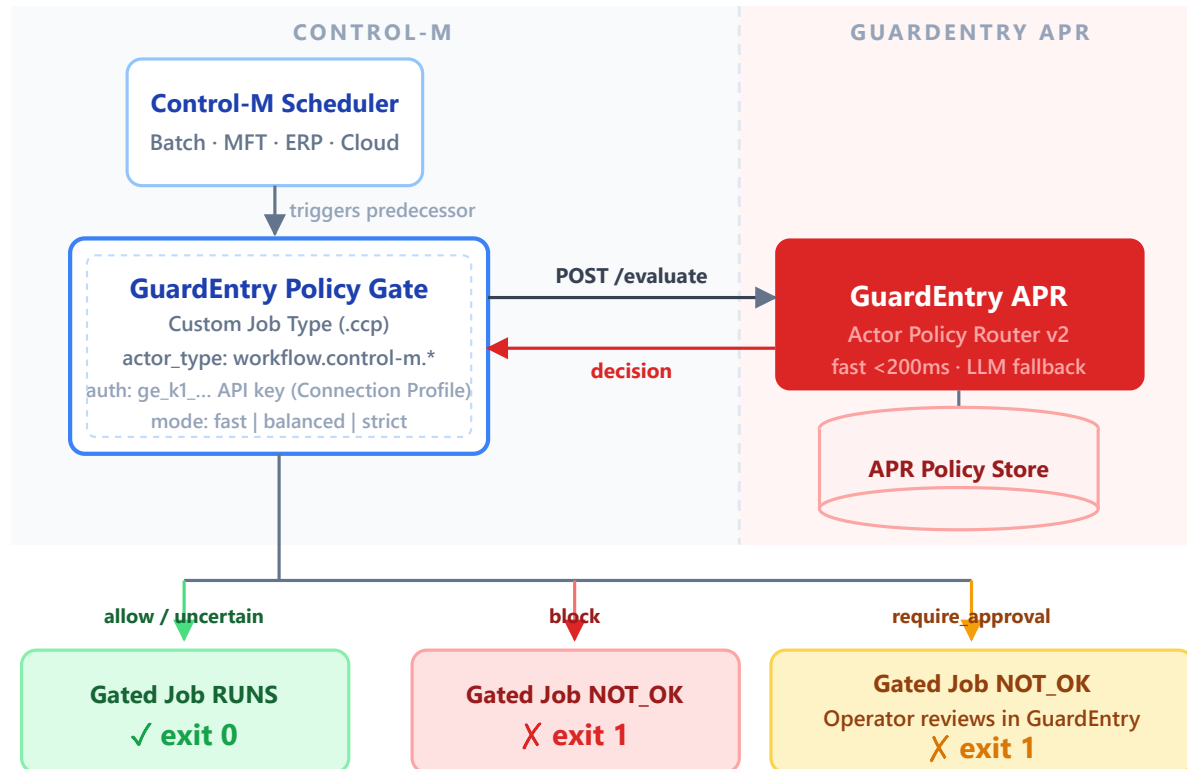


The **GuardEntry Policy Gate** is a custom Control-M Job Type that chains as a predecessor to any batch, file-transfer, ERP, or cloud-pipeline job. Before the gated job runs, Policy Gate calls GuardEntry's Actor Policy Router — a non-zero exit blocks the job. The same `.ccp` artifact works on self-hosted Control-M and BMC Helix Control-M (SaaS).



## HOW IT WORKS

- Control-M triggers the batch window.** Policy Gate runs as a *predecessor* — its exit code gates whether the downstream job runs. No polling, no callbacks; standard Control-M flow control.
- Policy Gate calls GuardEntry APR.** It sends `POST /api/v2/policy-router/evaluate` with the job name, node, run date, and a configurable `content` payload. Auth uses a scoped API key (`ge_k1_...`) stored in a Control-M Connection Profile.
- APR evaluates against policies.** `fast` mode applies regex/substring rules in <200 ms. `balanced` / `strict` add LLM-assisted evaluation — useful for file-exfiltration patterns, change-window violations, and SOC 2/ISO 27001 control checks.
- Policy Gate acts on the decision.** `allow` → exit 0 (downstream runs). `block` / `require_approval` → exit 1 (NOT\_OK). Decision + audit link written to sysout and exposed as `%%GUARDENTRY_DECISION` / `%%GUARDENTRY_AUDIT_LINK` application variables.

## DECISION OUTCOMES

DECISION	EXIT	DOWNSTREAM JOB
allow	0	Runs normally
block	1	NOT_OK — skipped; set <code>on_block=warn</code> for observe-mode pilots
require_approval	1	NOT_OK — operator reviews in GuardEntry, can re-order after approval
uncertain / verify	0	Runs; decision logged for review
unreachable	0	Runs fail-open — APR outage won't take down the batch window

## KEY JOB PARAMETERS

INPUT	DEFAULT	PURPOSE
<code>actor_type</code>	<code>workflow.control-m</code>	Policy lookup key — use distinct subclasses per job class (e.g. <code>workflow.control-m.file-transfer</code> )
<code>content</code>	<code>%%JOBNAME on %%NODEID at %%DATE</code>	Payload evaluated by APR; enrich with file paths, SQL, or SAP transaction codes for richer decisions

INPUT	DEFAULT	PURPOSE
<code>mode</code>	<code>fast</code>	<code>fast &lt;200 ms</code> · <code>balanced</code> · <code>strict</code> (adds LLM)
<code>on_block</code>	<code>fail</code>	<code>fail = exit 1</code> · <code>warn = exit 0</code> (observe mode)
<code>correlation_id</code>	<code>%%ORDERID</code>	Trace ID propagated to GuardEntry audit for cross-system correlation