

NOTE: This is a template. To start a new KEP, go to File > Make a copy, then fill in your proposal details.

KEP-NNNN: Your KEP Title

Authors: your-name (Created: YYYY-MM-DD)

Google Doc (draft): (link to your copy)

Relevant Issues: <https://github.com/kubeflow/kale/issues/NNN>

Summary

One paragraph explanation of the proposal.

Motivation

Why is this change needed? What problem does it solve?

Goals

1. Goal 1
2. Goal 2

Non-Goals

- Non-goal 1
- Non-goal 2

User Stories

Concrete examples of how users will interact with the proposed feature. Include code samples where applicable.

Story 1: Title

As a [role], I want [capability] so that [benefit].

Proposal

Detailed description of the proposed solution. Include architecture, API surface, data models, and any relevant diagrams.

Architecture

How does this fit into the existing system? Include diagrams if helpful.

API

Public API surface: methods, parameters, return types. Show constructor, key methods, and usage examples.

Design Details

Implementation-level details: package structure, type definitions, error handling, dependencies, etc.

Notes/Constraints/Caveats

Optional. Known limitations, open questions, or assumptions.

Risks and Mitigations

Optional. Potential risks and how they will be addressed.

Test Plan

How will this be tested?

- Unit Tests: ...
- - E2E Tests: ...

Graduation Criteria

Optional. What conditions must be met to move between alpha/beta/stable?

Implementation Plan

Sequencing, milestones, phasing, and ownership.

Migration

Optional. How do existing users migrate to the new approach? Include a mapping table if replacing existing APIs.

Implementation History

- YYYY-MM-DD: Initial KEP creation

Drawbacks

Optional. Why should this proposal NOT be implemented? Honest assessment of limitations or costs.

Alternatives Considered

What other options were evaluated? For each alternative, describe the approach and explicitly state why it was rejected.

Alternative 1: Title

Description of the alternative approach.

Rejected because:

- Reason 1
- Reason 2

Alternative 2: Title

Description of the alternative approach.

Rejected because:

- Reason 1
- Reason 2

Consequences

What becomes easier or more difficult to do because of this change?

Positive

- Benefit 1
- - Benefit 2

Negative

- Drawback 1
- - Drawback 2

Neutral

- Trade-off 1
-