





## **Authors**

- "I have made a change to version X. The result is version Y."
- "Version Y broke a customer. We need to roll back to version X."

## **Implementers**

- "We have implemented version X."
- "We have mostly implemented version Y, but some parts are still on version X."

## **Machines**

- "I understand version X." → "I understand feature A."
- "I can offer version X and Y."  $\rightarrow$  "I can offer feature A and B."

## **Evolution Ruleset**



- 1. There SHALL be a repository of models.
- 2. The repository MAY undergo changes.
- 3. At any time, it SHALL be possible to download a named snapshot of the repository in a known-good state.
- 4. The name of a snapshot SHALL be a marketing version number for a release and a time stamp or commit hash for a prerelease.
- 5. Each model SHALL have an identifier that is unique within the repository.
- 6. The identifier of a model SHALL be opaque (i.e., have no machine-readable semantics).

- 7. The only possible changes to a repository SHALL be the creation, update, and deprecation of models (i.e., no deletion).
- 8. Any potential update to a model SHALL be classifiable as either
  - *breaking* (implementation changes are REQUIRED to conform after the update),
  - non-breaking (implementation changes are OPTIONAL to conform after the update), or
  - *trivial* (implementation changes are not possible).
- 9. The only allowed updates to a model SHALL be updates classified as *non-breaking* or *trivial*.

