

Versioning and Releasing Applications



Andrew Morgan

INDEPENDENT

@mogronalol



Overview

Semantic versioning explained

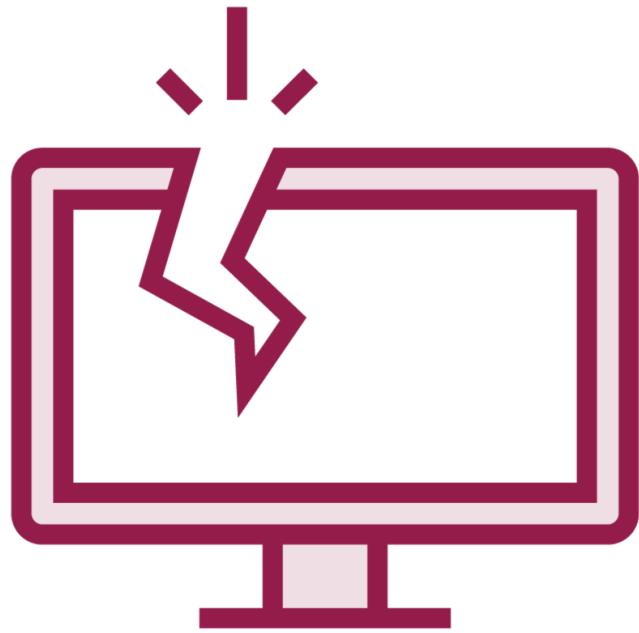
Jenkins X versioning mechanism explained

**Release major, minor, and patch versions
of a service**



Semantic Versioning

Split into three components



Major

Breaking changes



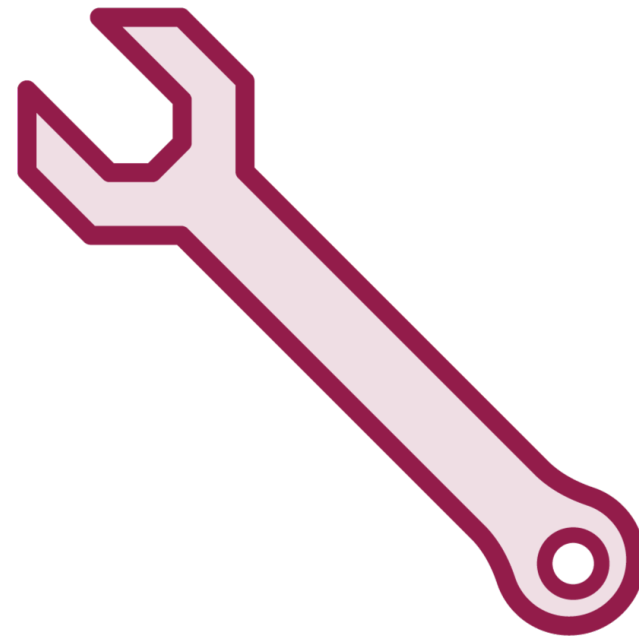
Semantic Versioning

Split into three components



Major

Breaking changes



Minor

Non-breaking
changes



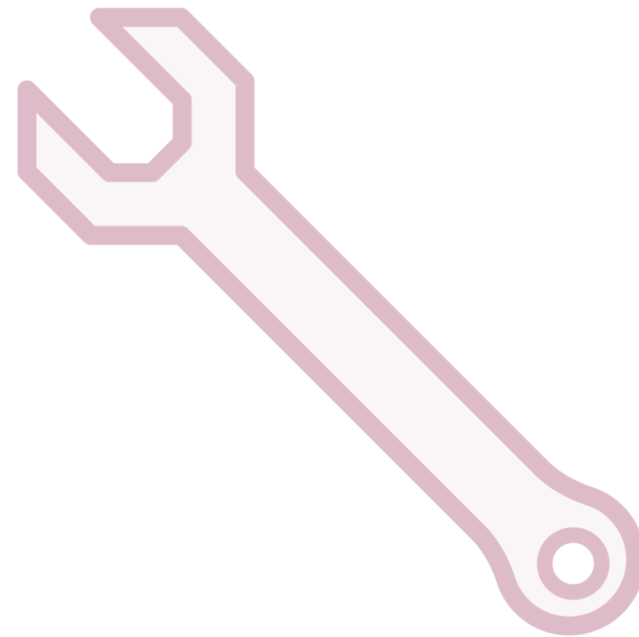
Semantic Versioning

Split into three components



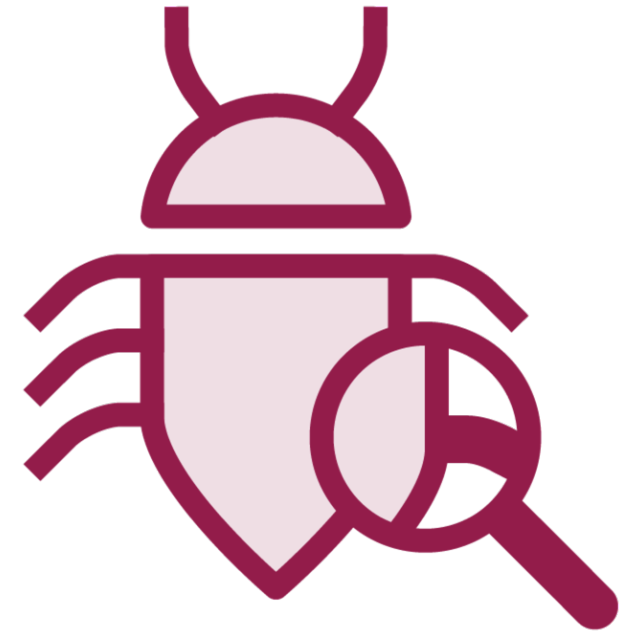
Major

Breaking changes



Minor

Non-breaking
changes

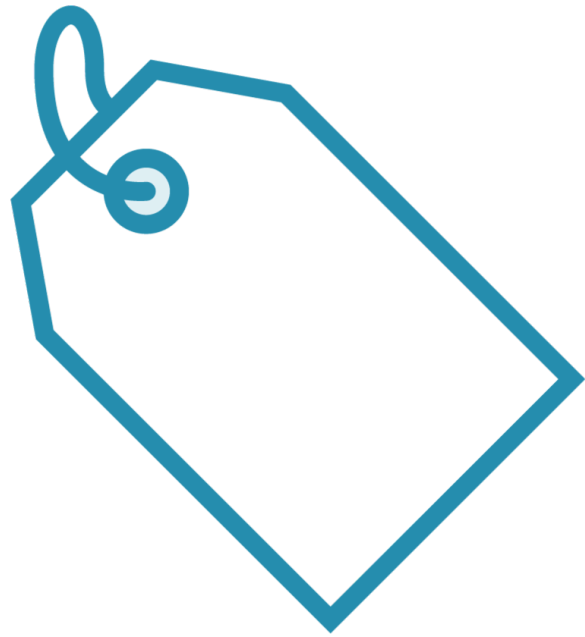


Patch

Bug fixes



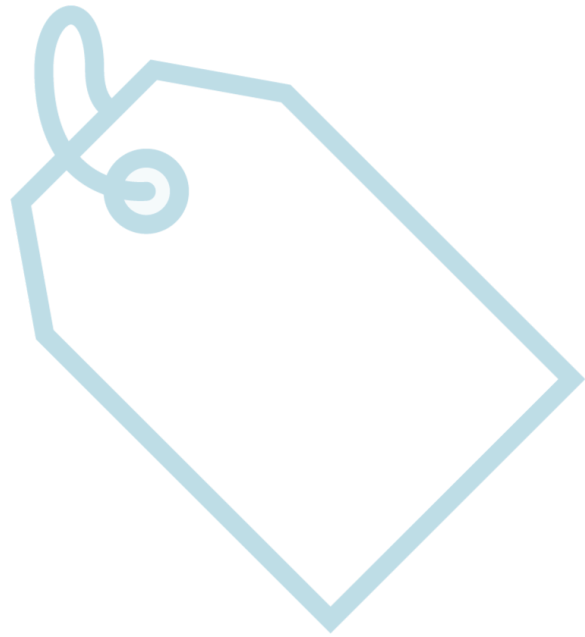
Jenkins X Semantic Versioning Strategy



**Based on tags,
avoiding
unnecessary
commits**



Jenkins X Semantic Versioning Strategy



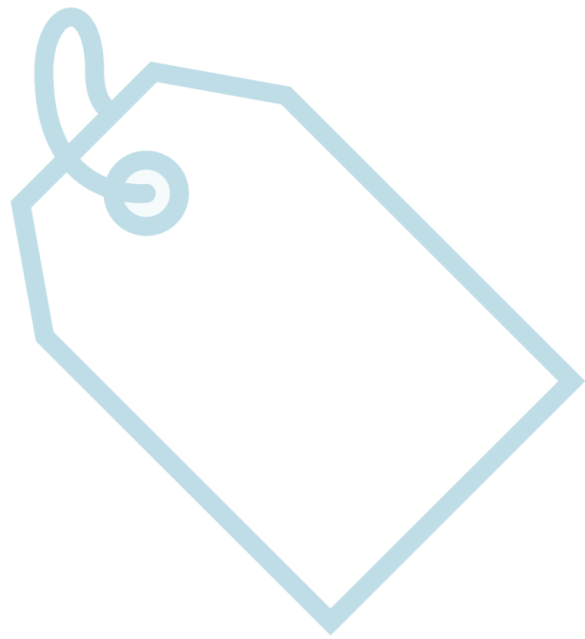
Based on tags,
avoiding
unnecessary
commits



**Auto-increments
patch versions**



Jenkins X Semantic Versioning Strategy



Based on tags,
avoiding
unnecessary
commits



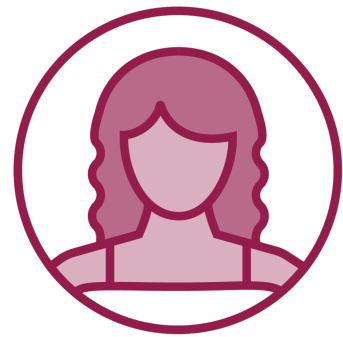
Auto-increments
patch versions



**Pulls minor and
major version from
POM or Makefile**



Patch Release Versioning Workflow



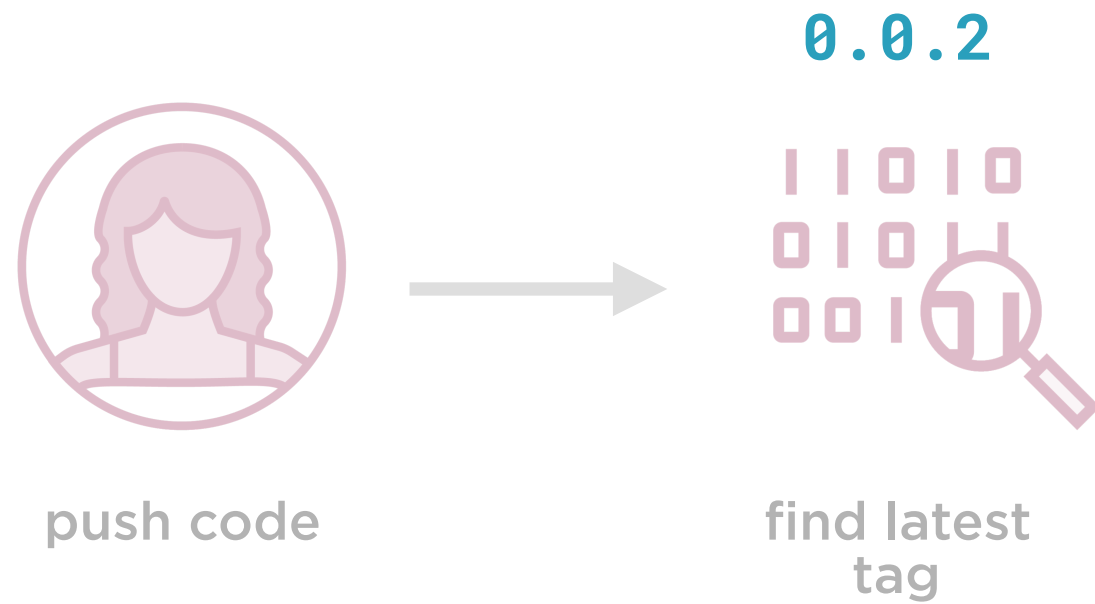
push code



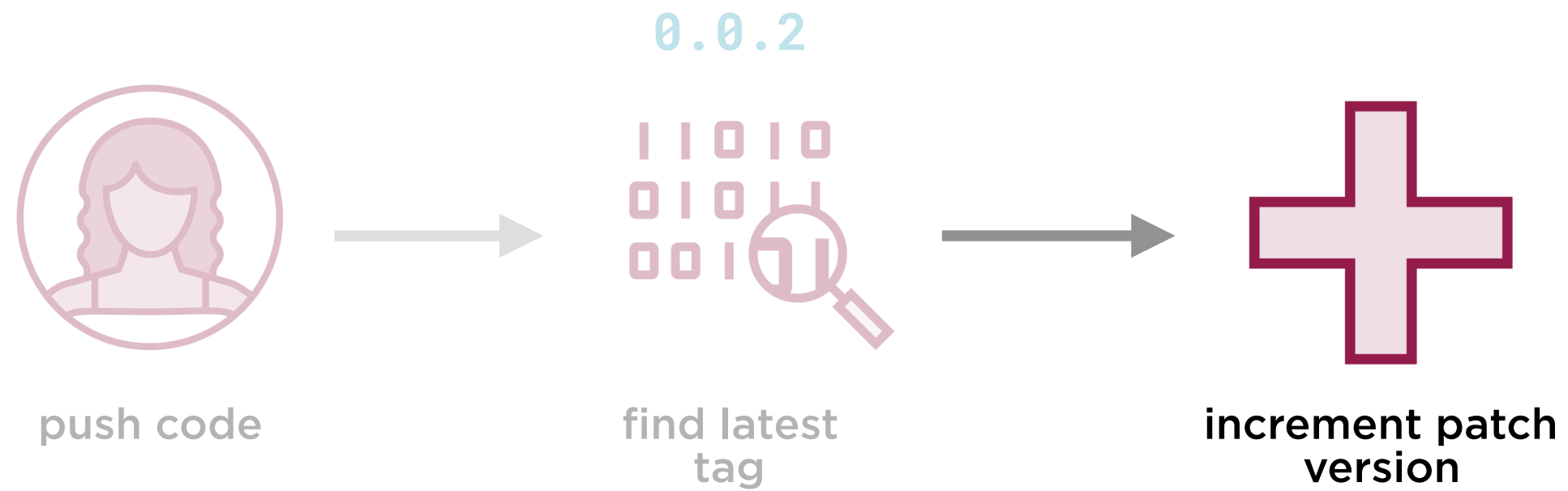
Patch Release Versioning Workflow



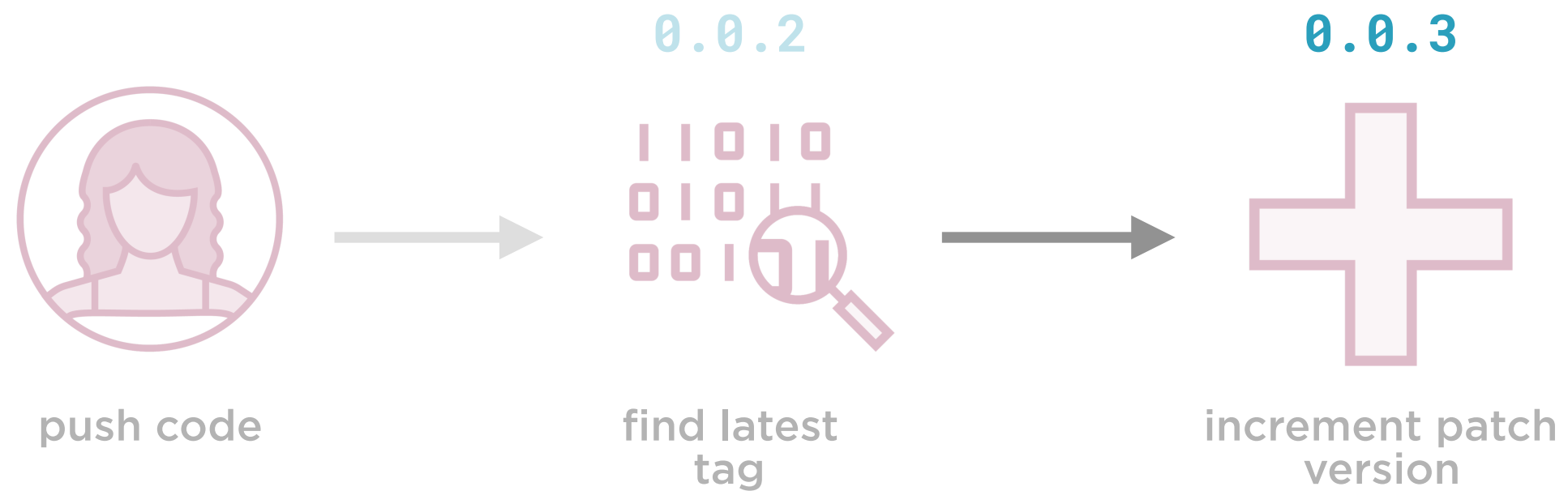
Patch Release Versioning Workflow



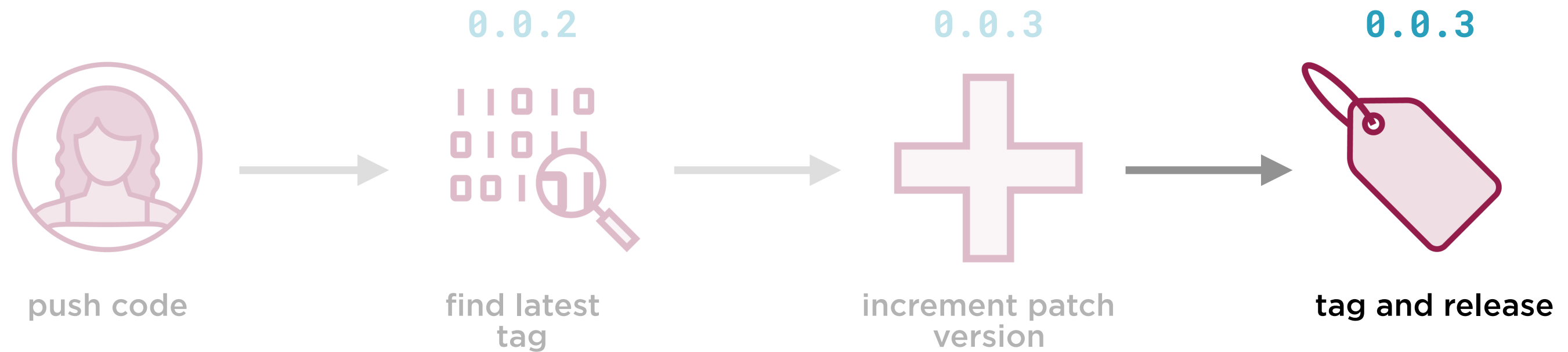
Patch Release Versioning Workflow



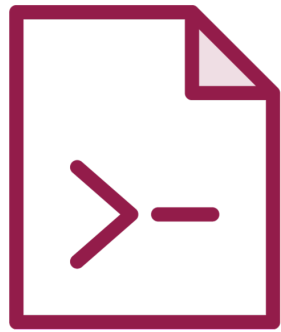
Patch Release Versioning Workflow



Patch Release Versioning Workflow



Major/Minor Release Versioning Workflow



set major/
minor version
in POM or
MakeFile



Major/Minor Release Versioning Workflow

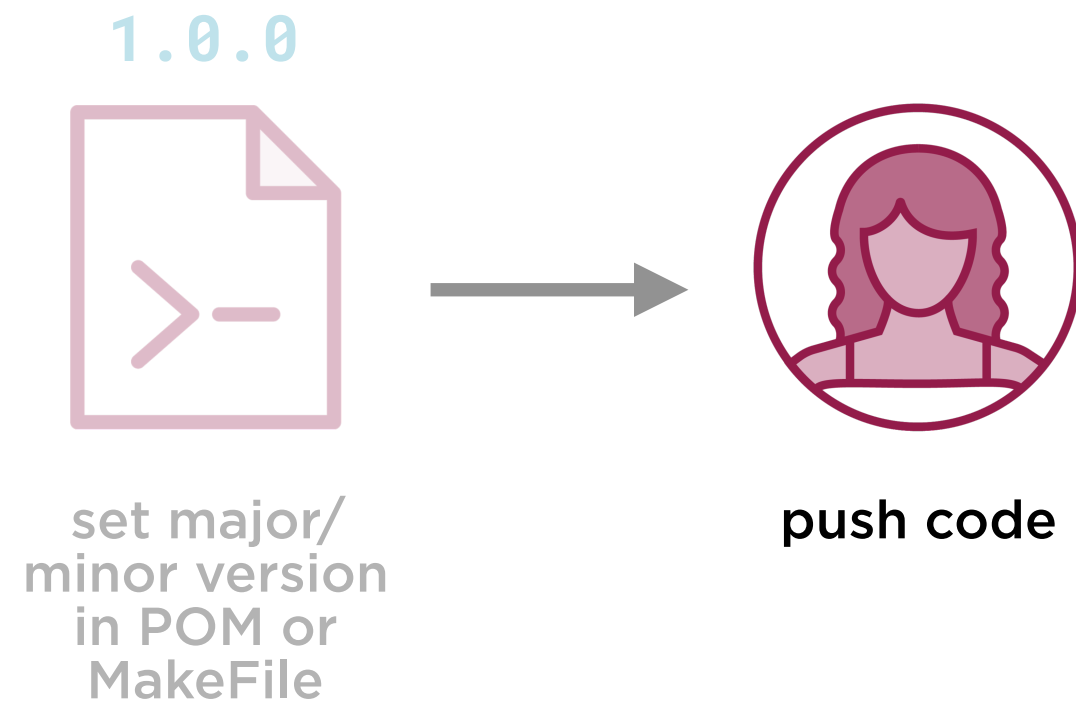
1.0.0



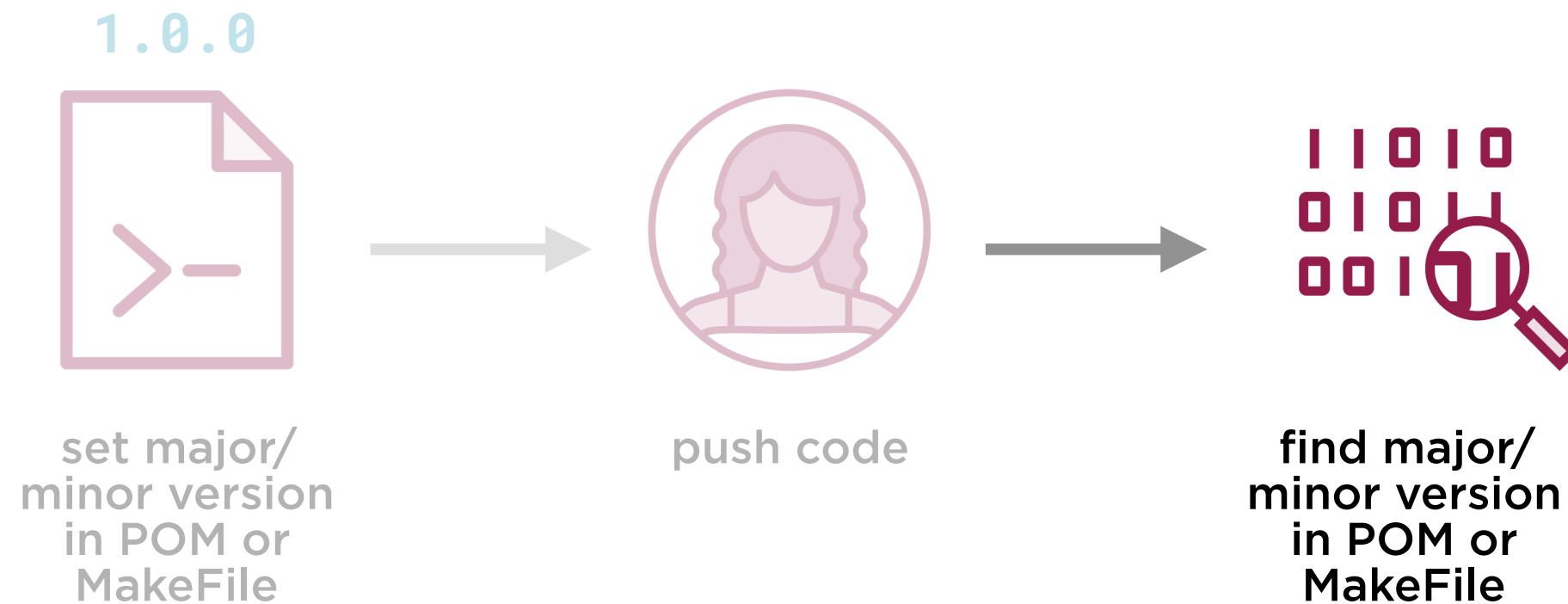
set major/
minor version
in POM or
MakeFile



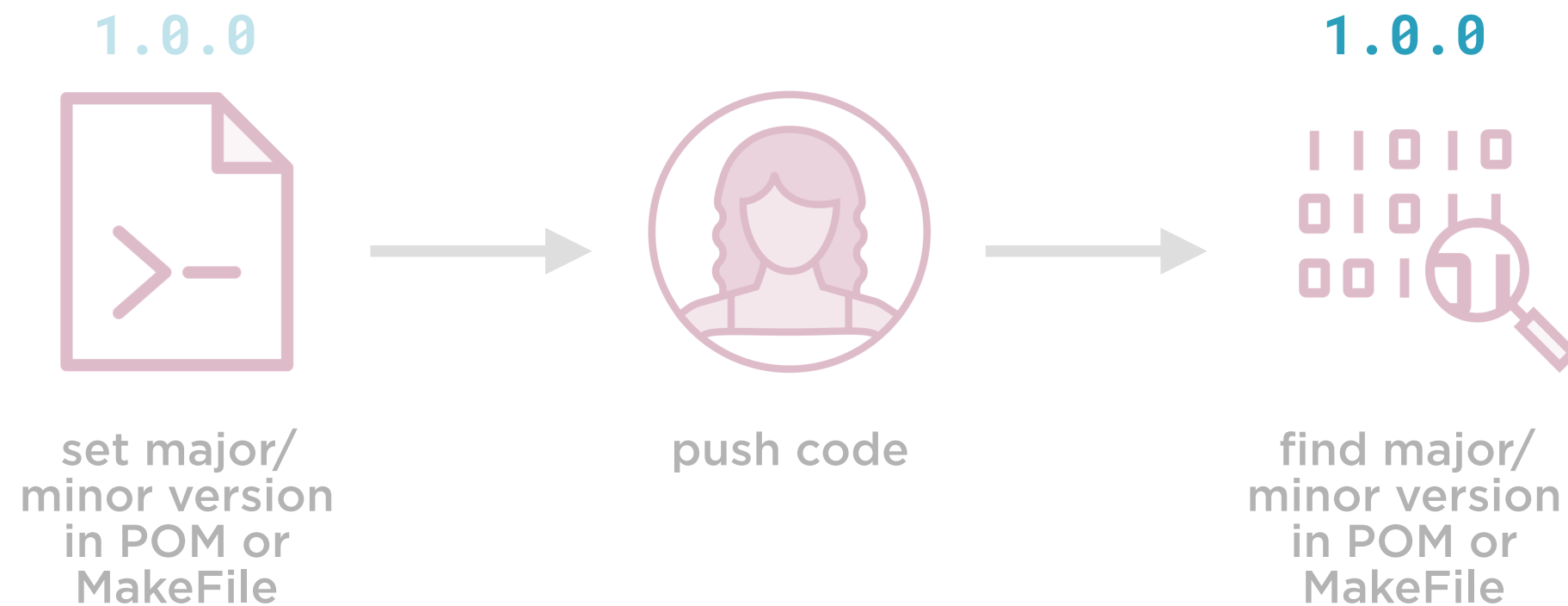
Major/Minor Release Versioning Workflow



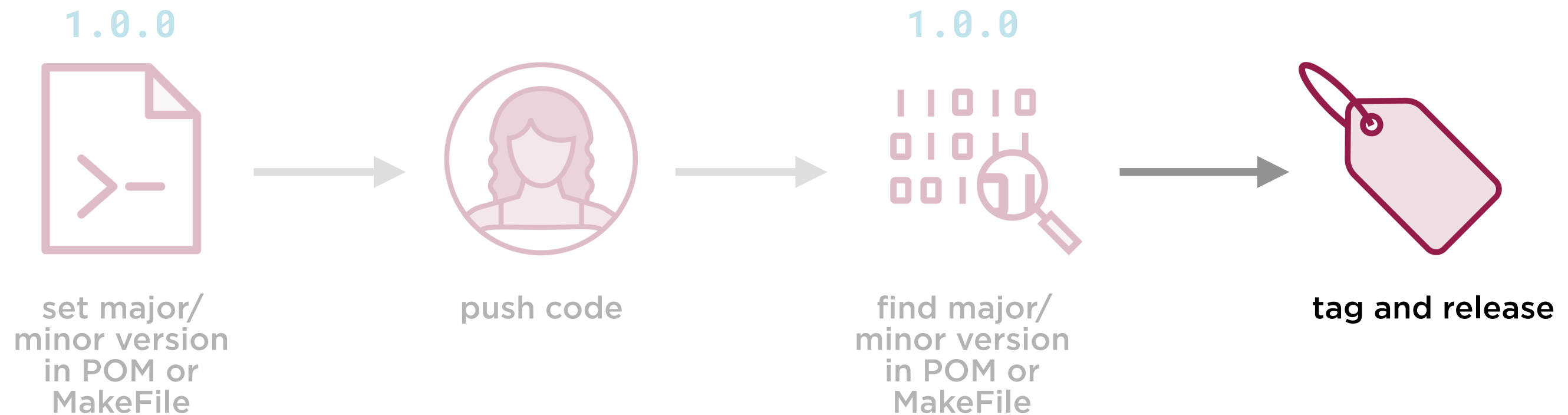
Major/Minor Release Versioning Workflow



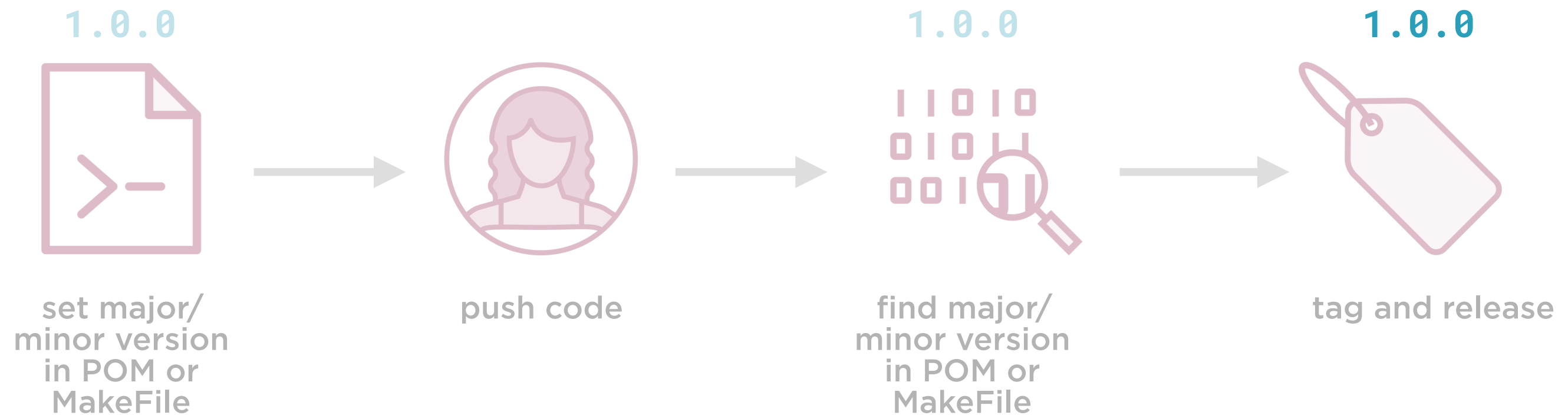
Major/Minor Release Versioning Workflow



Major/Minor Release Versioning Workflow



Major/Minor Release Versioning Workflow



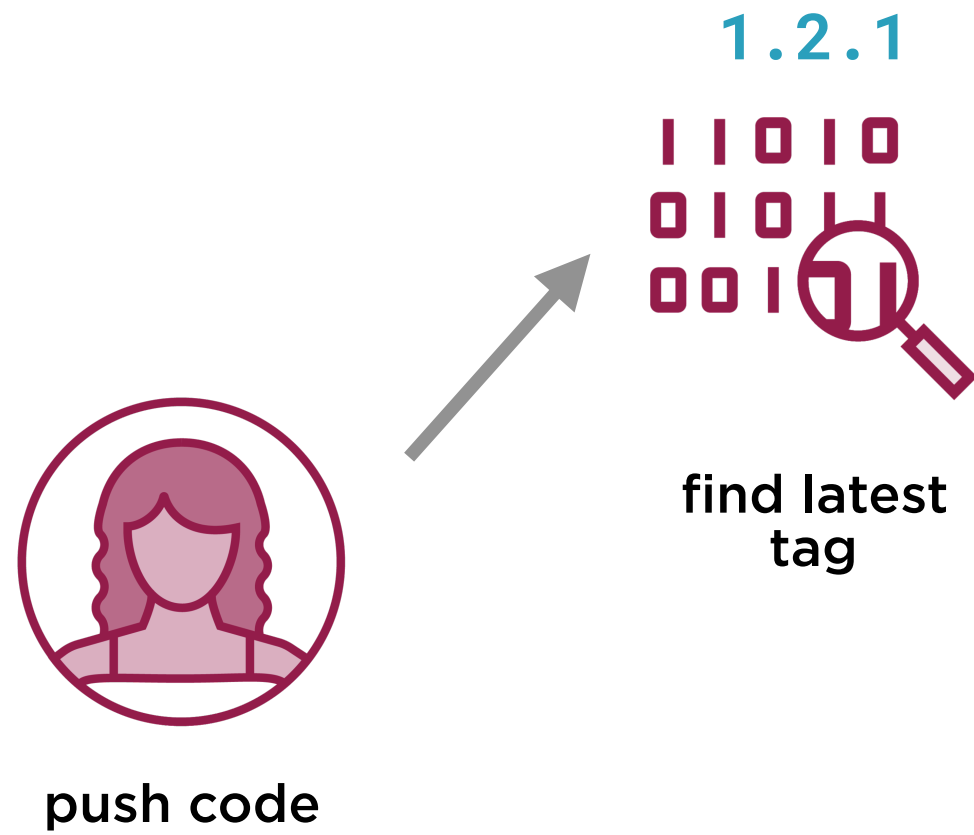
Full Release Versioning Workflow



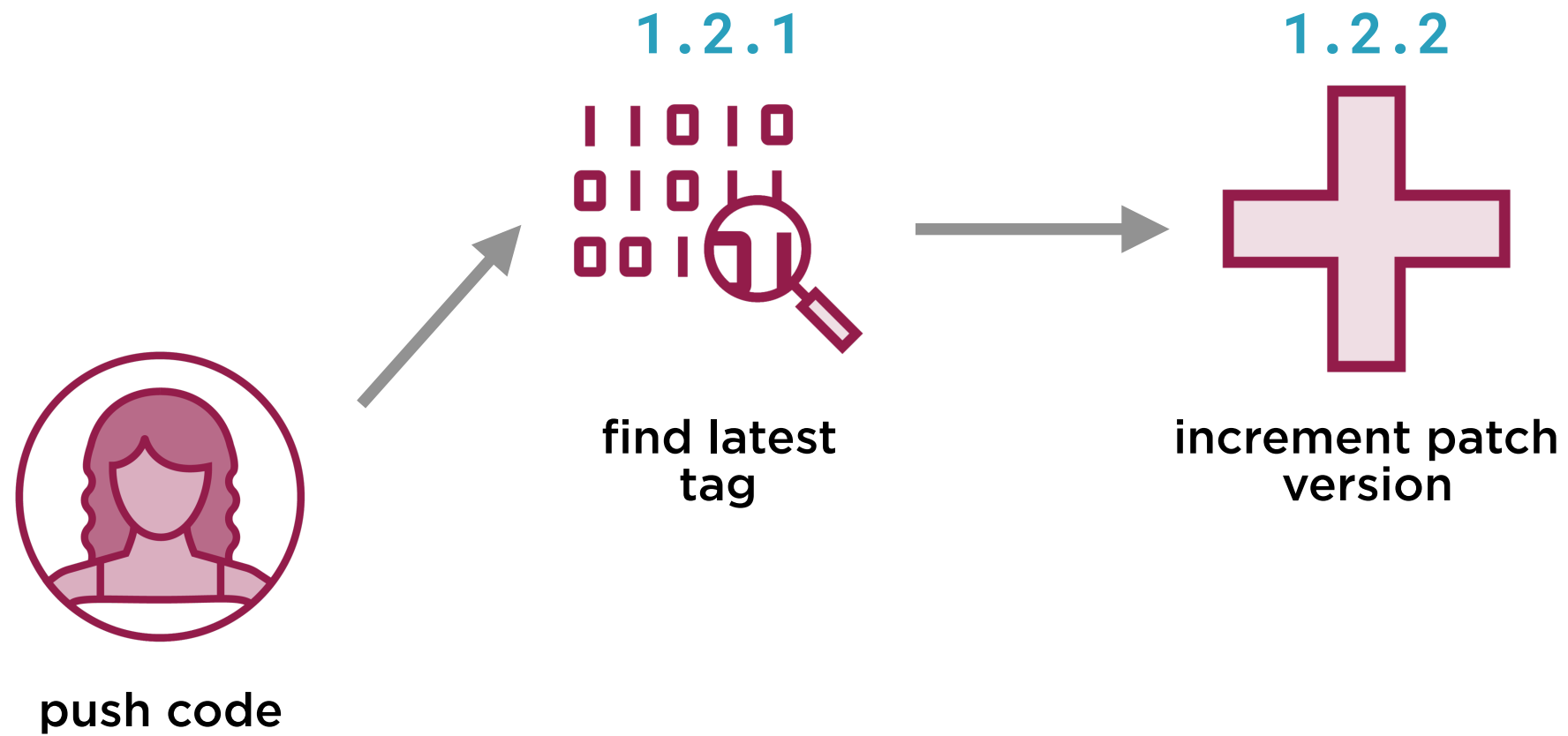
push code



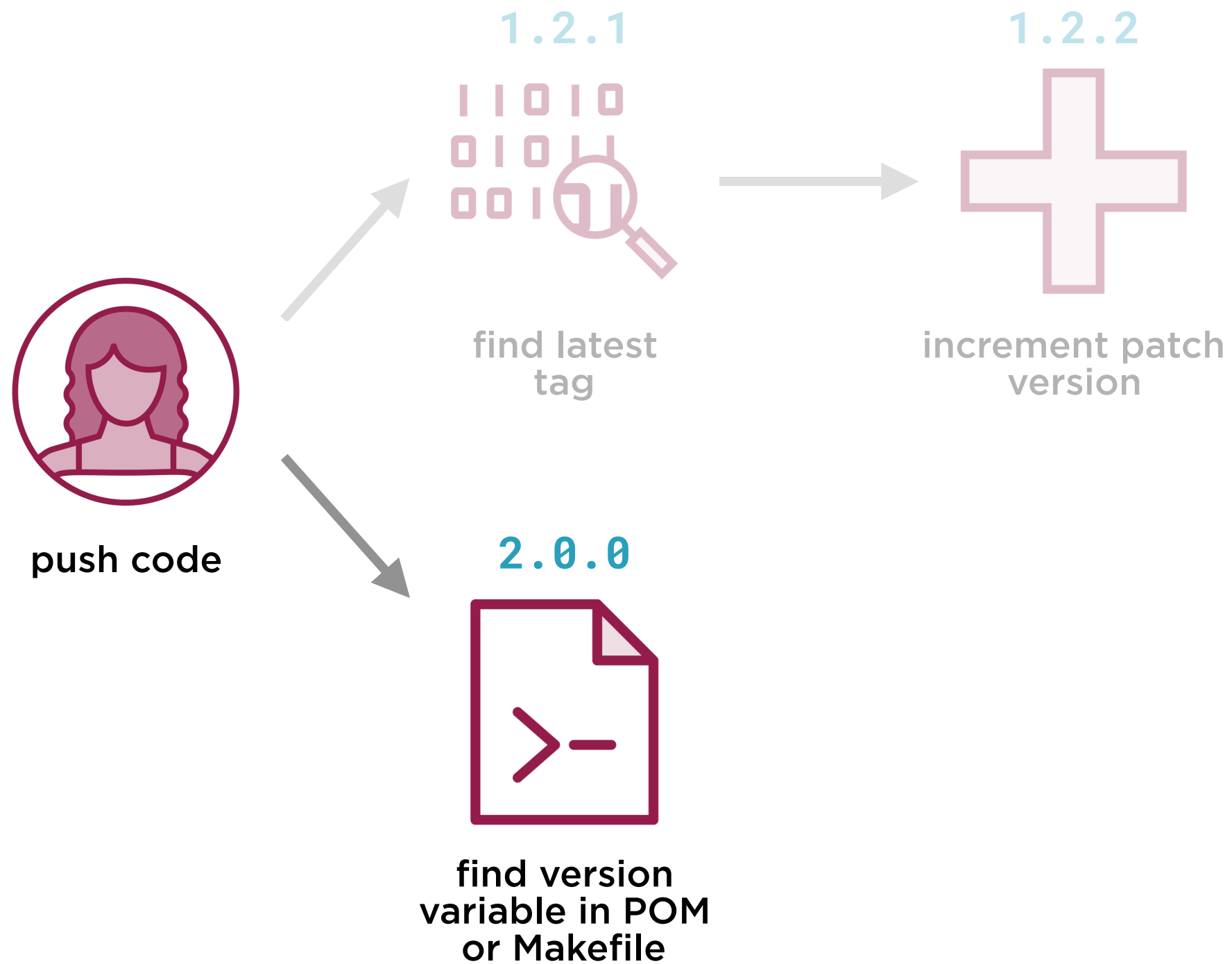
Full Release Versioning Workflow



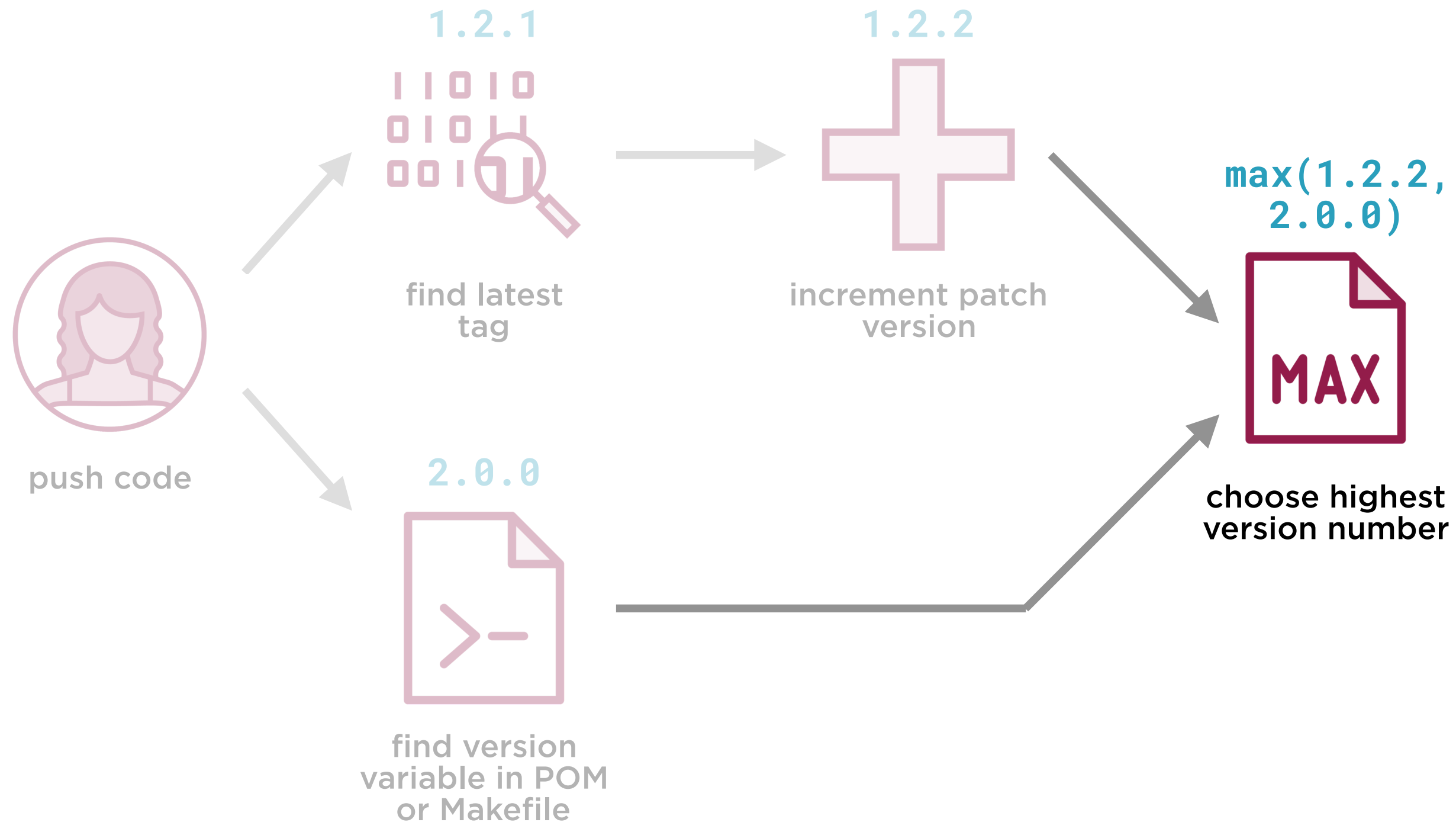
Full Release Versioning Workflow



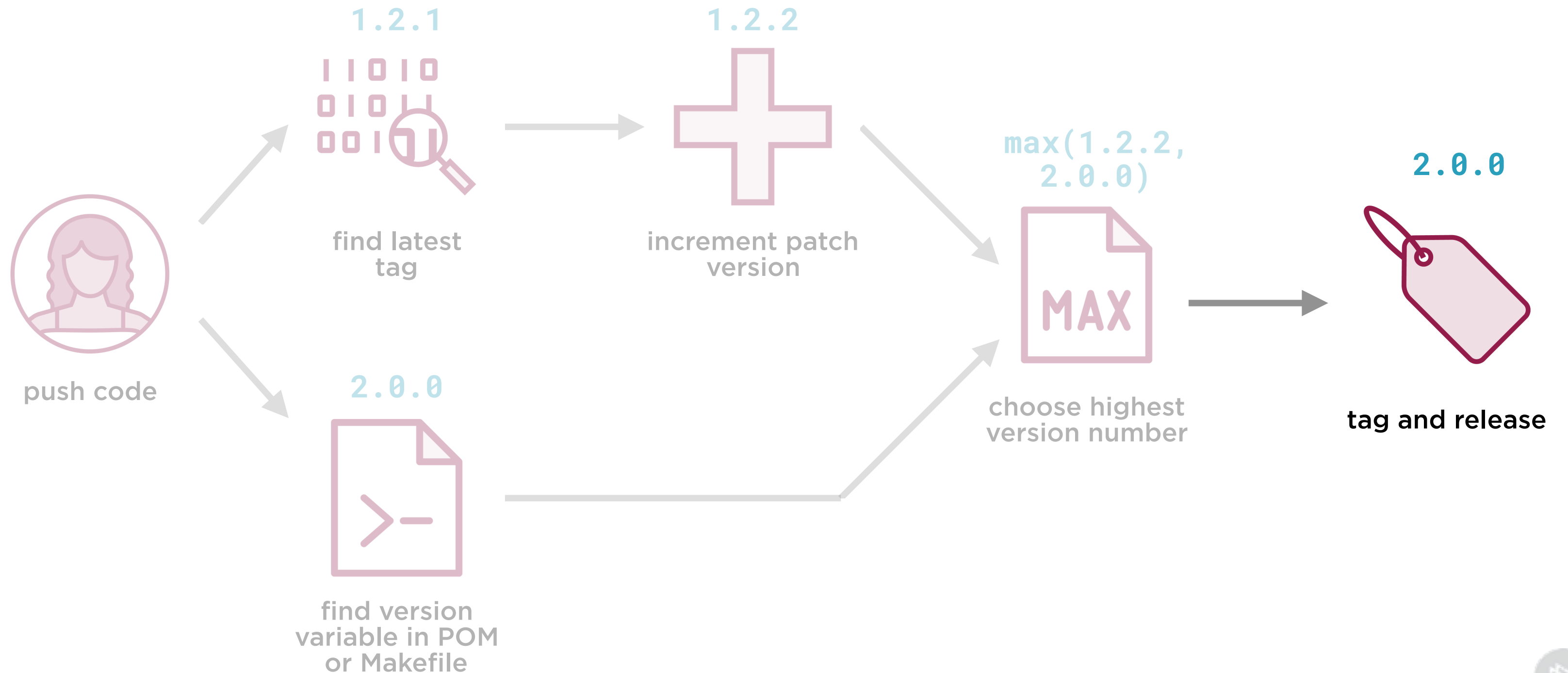
Full Release Versioning Workflow



Full Release Versioning Workflow



Full Release Versioning Workflow



Demo

Release multiple versions of a project

- Patch version releases
- Major/Minor version releases

Analysis of tags and releases



Summary

Jenkins X adopts semantic versioning

Patches are auto-incremented

Major/minor versions are set manually

