Presentation on version numbering

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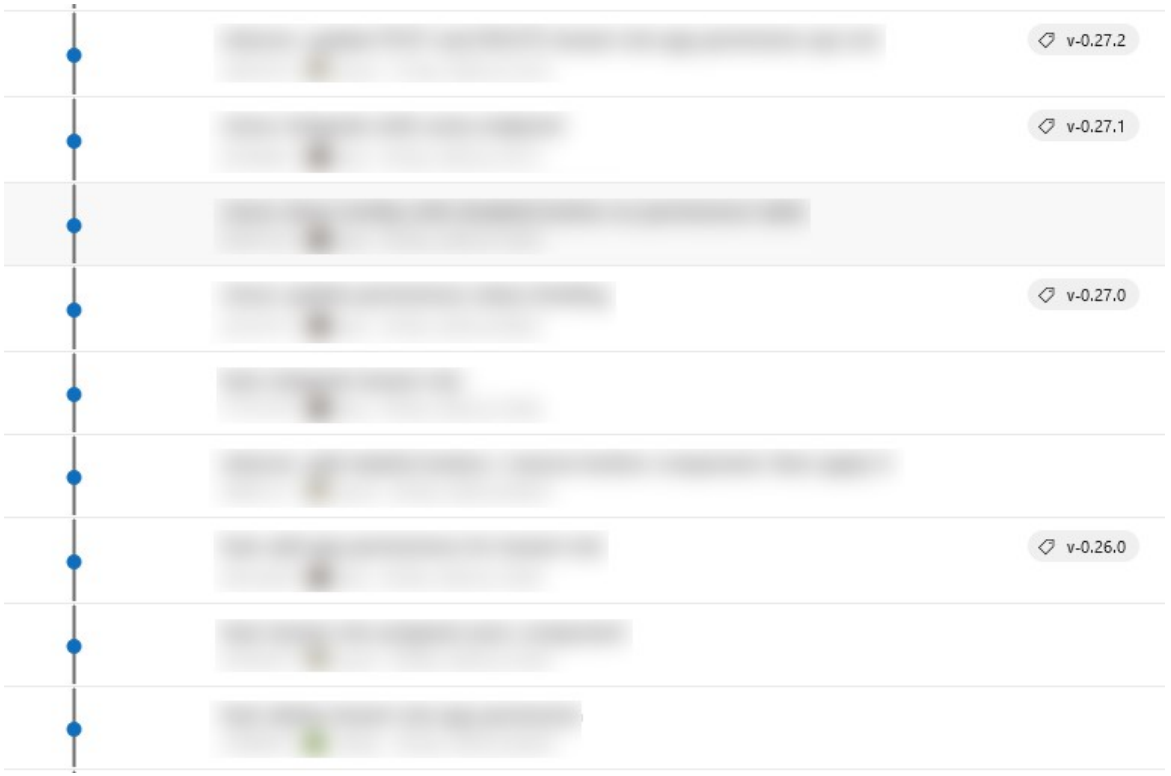

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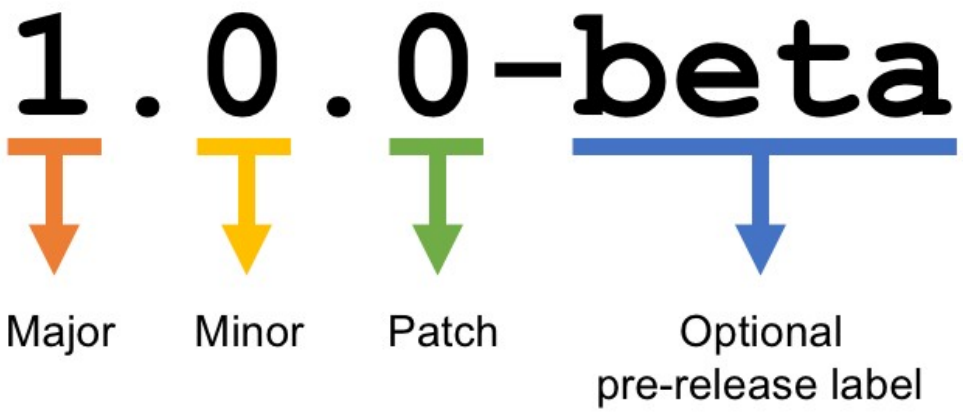

Semantic versioning

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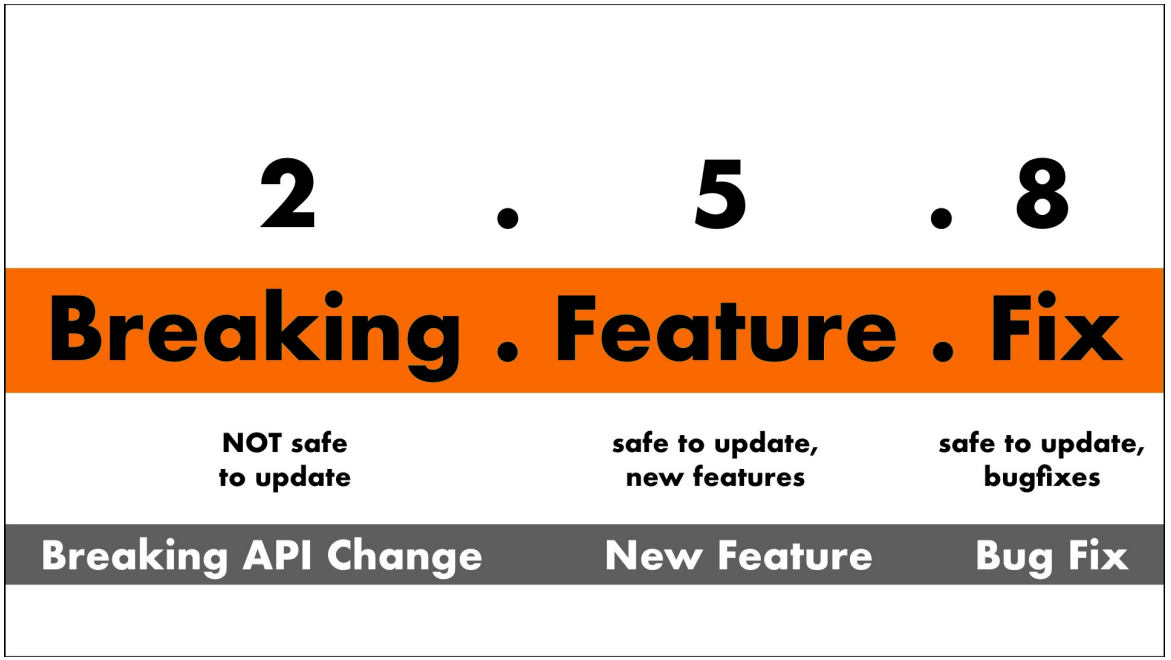

Current process

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1. Release process triggered
    - Planned
    - dev team want to release a bug fix
2. Devops ask dev team for commit to release and other release info
3. Devops manually add git tag for those commit
4. Devops take the build of those commit and deploy onto the release pipeline

Pros

- Simple, doesn't require much effort from dev team cause Devops handle most of the opreations

Cons

- require manual work -> time consuming, human-depedent -> error-prone
- build number is not related to version
- git tag only exist as a book-keeping tool

Proposal

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1. Release process triggered
    - Planned
    - dev team want to release a bug fix
2. Dev team choose the commit to release and write changelog
    - the changelog can be simple and minimalistic
    - bug number, miscelaneous change
3. Dev team tag the commit with approriate version number
4. Devops choose the build to deploy based on the Build number (generated from git tag)

Pros

- shifting commit picking to dev
  - empower dev team, decentralize power from Devops
- enable more automation option in the ci/cd pipeline
  - ex: automatic build number generation -> reduce potential error when choosing build to deploy

Cons

- require effort from dev team to manage the git tag (add and delete)

QA Time!

The End