

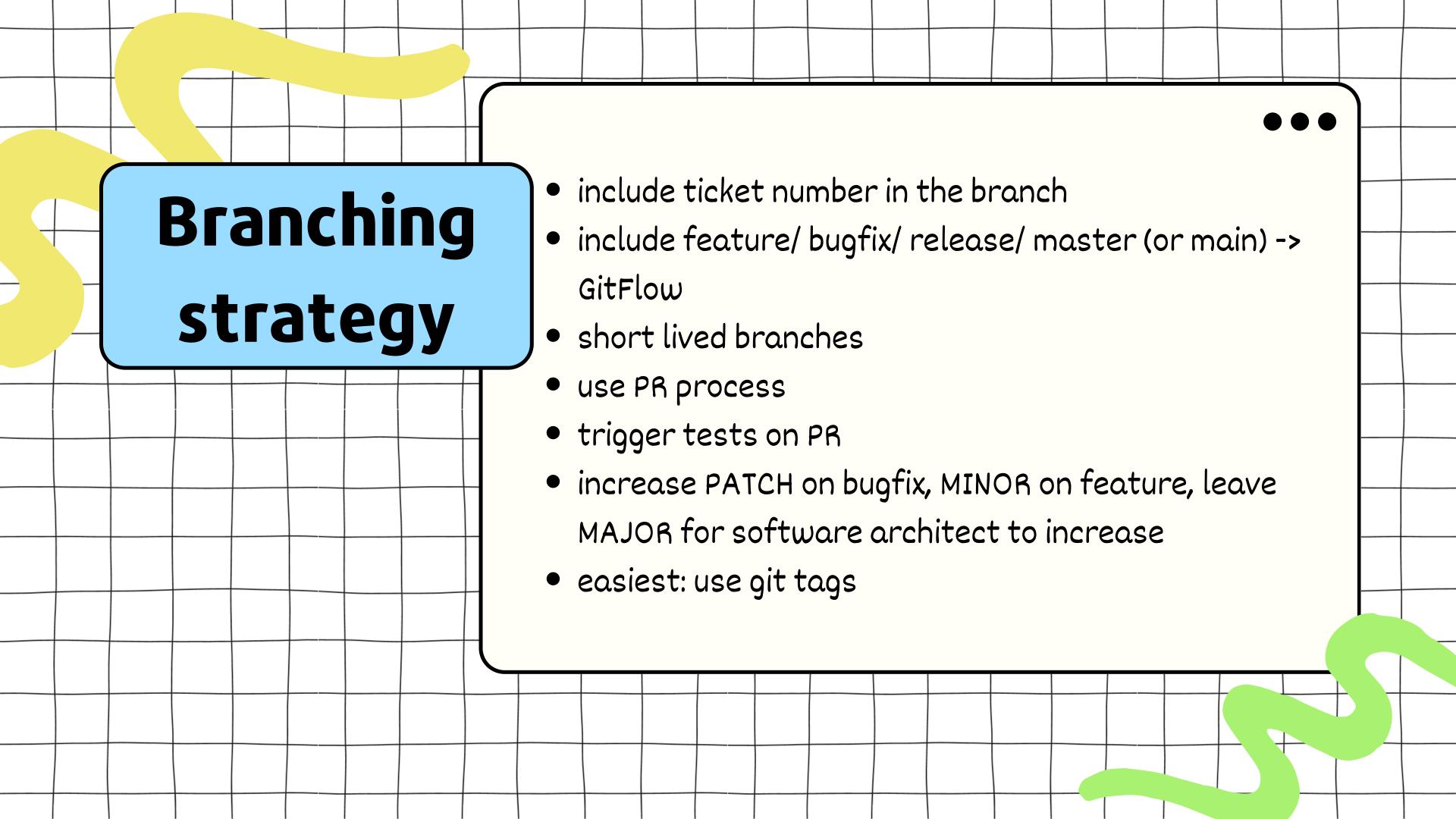


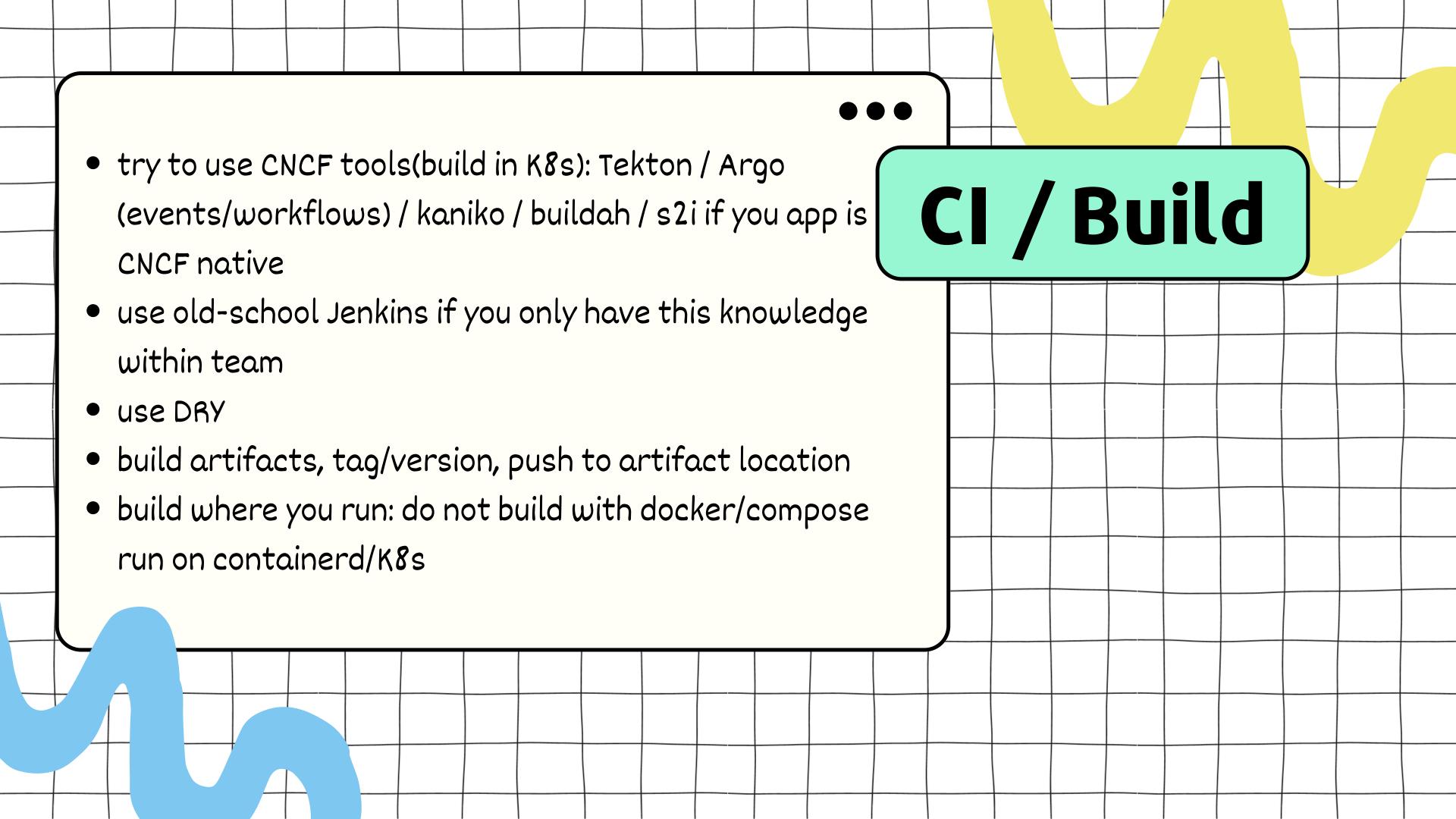
• SemVer(semantic) became a middle ground for versioning: PEP440 and npm/helm compatible

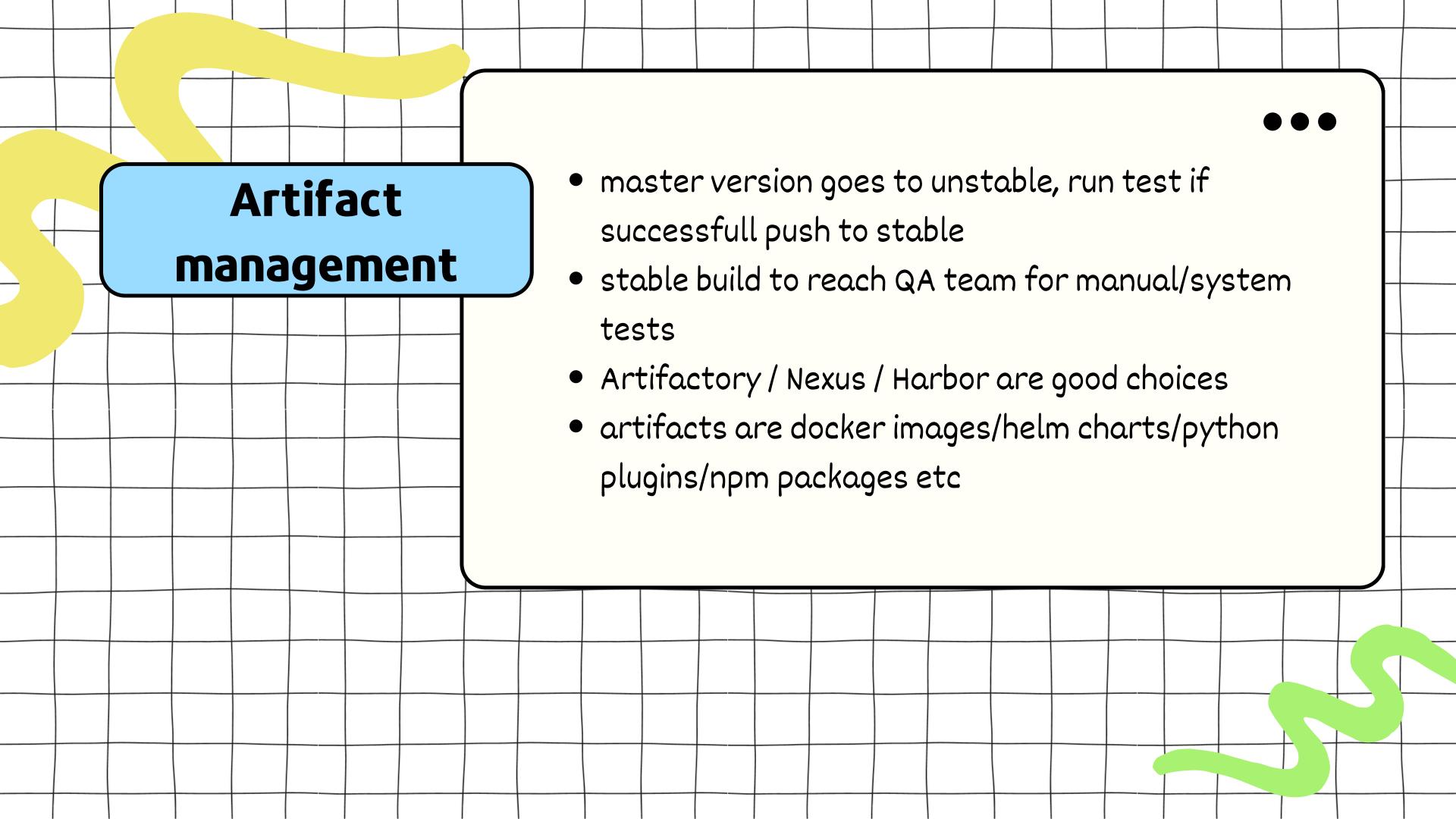
ex: 1.0.0 (master), 0.0.0-<digitTicket> for feature/bugfix braches

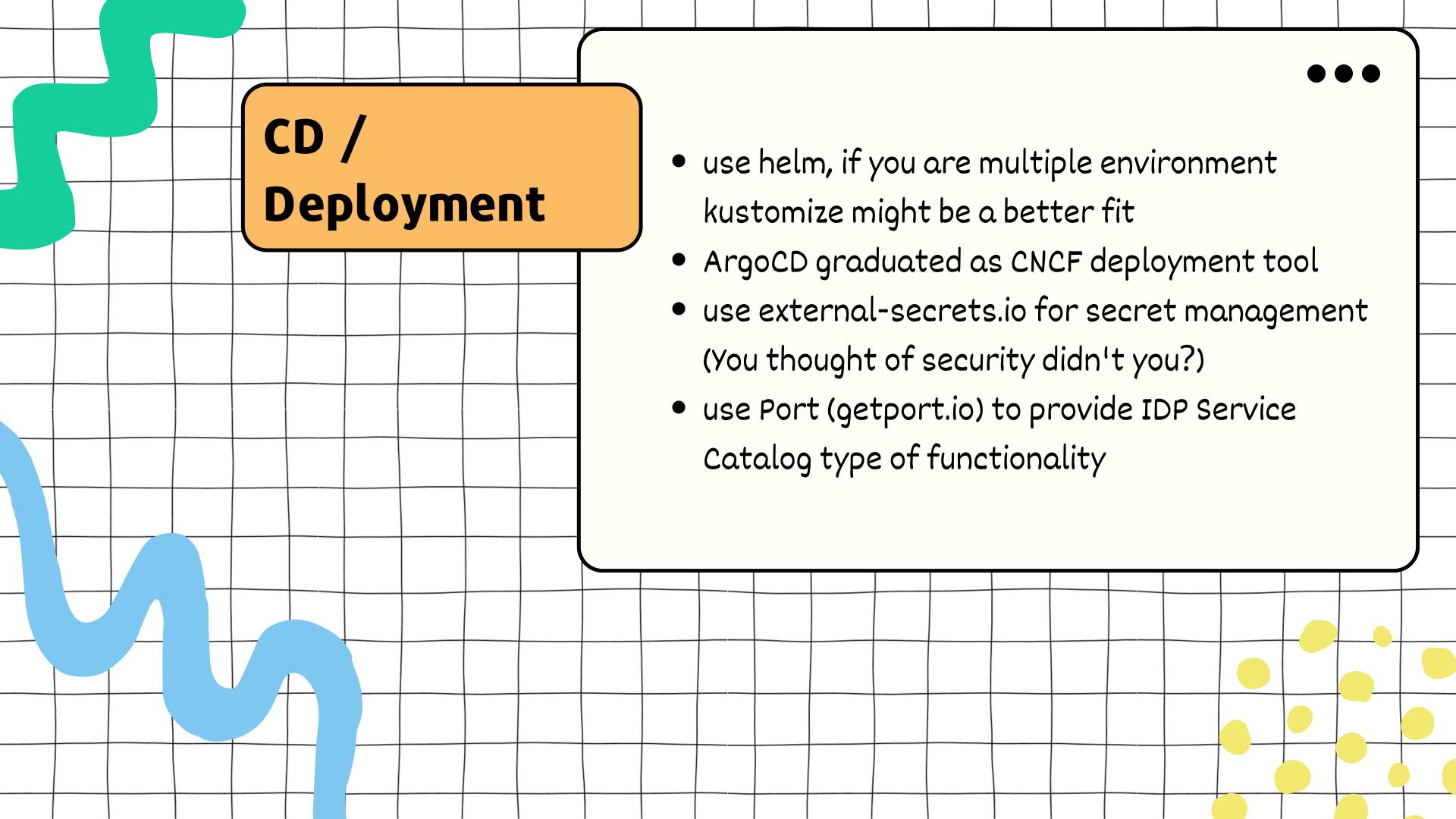
- Use GIT! Bitbucket / Github (Enterprise) / Gitlab / Gitea, Gitolite, gogs
- Leverage Gitflow: feature/ bugfix/ release/ master branches
- lock version(dependencies) only when releasing master versions
- Use short-lived branches (target one sprint!)
- avoid epic branches -> headakes to rebase/merge
- use stable (run test on it) and unstable(not tested) artifact locations
- develop branch should exists until you have a release peace (every quearter/epic)

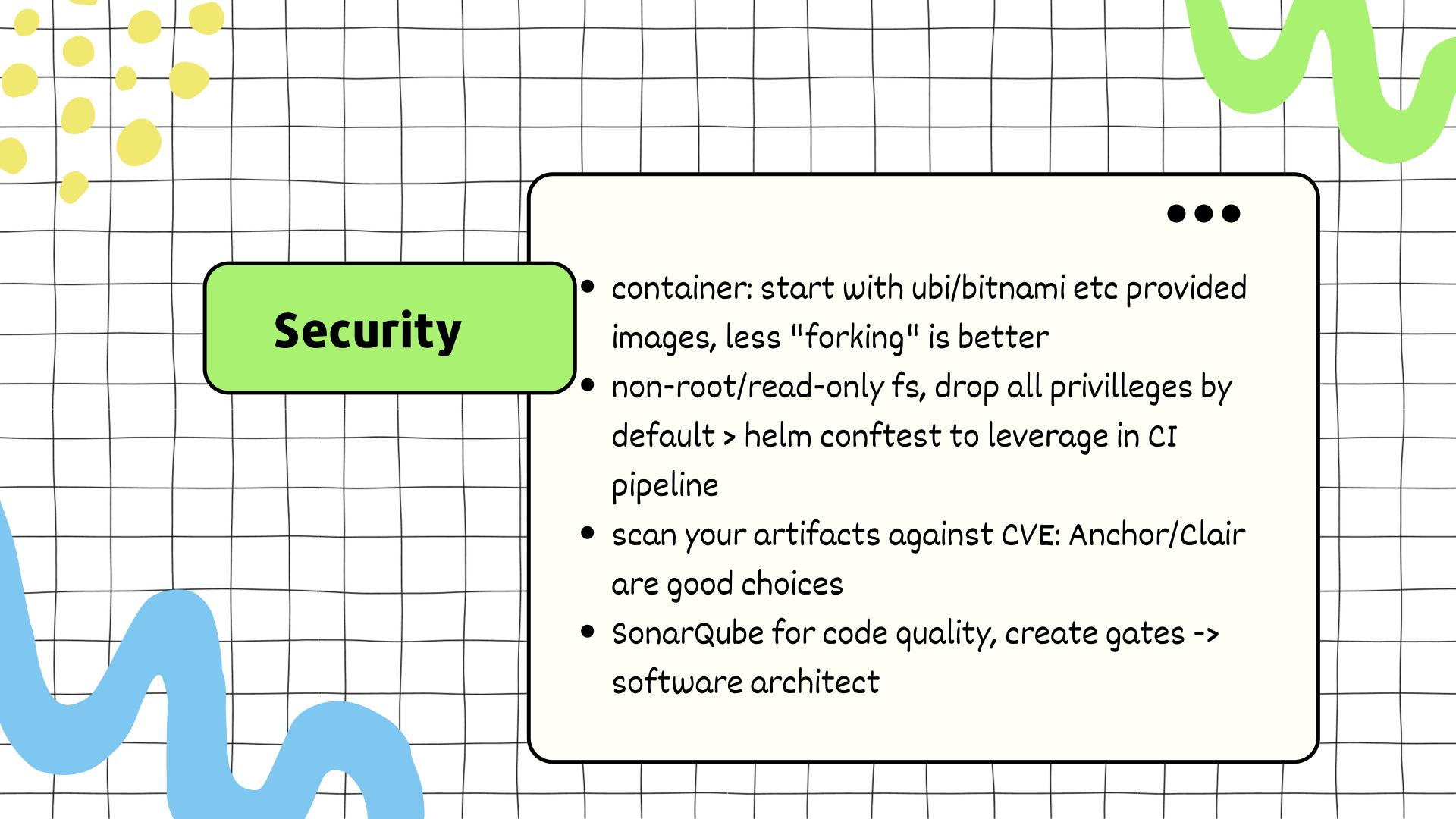
Source / Versioning











• our choices(not necesary the best ones) are Pytest/Cypress • ALM tool of choice is SpiraTeam for BA/PO engagement **Testing** • testing infrastructure consists of "simulators" and actual tests(pytest/cypress) in different microservices • we use GraphQL for entrypoint in our testing infrastructure, kafka/postgres/elasticsearch/etc endpoint to compare report in SpiraTeam with #id, PO/BA would keep test coverage/feature/release tree up2date • use a centralized debugger microservice for test advanced troubleshooting (ares?)

#consolelog

01

```
argo logs ci-p7bcm -f
ci-p7bcm-parameter-setup-4131408244: |-----
ci-p7bcm-parameter-setup-4131408244: |
                                                 MASTER Build
ci-p7bcm-parameter-setup-4131408244: |-----
ci-p7bcm-parameter-setup-4131408244: | PARAMETERS:
                                                        VALUES
ci-p7bcm-parameter-setup-4131408244: | Tag:
                                                        0.13.0
ci-p7bcm-parameter-setup-4131408244: | Comment:
                                                        test
ci-p7bcm-parameter-setup-4131408244: | DeployDimensions:
                                                        false
                                                        false
ci-p7bcm-parameter-setup-4131408244: | RunFullTests
ci-p7bcm-parameter-setup-4131408244: | RunFrameworkTests:
                                                        false
ci-p7bcm-parameter-setup-4131408244: | RunNgpTests:
                                                        false
ci-p7bcm-parameter-setup-4131408244: | RunCypressTests:
                                                        false
ci-p7bcm-parameter-setup-4131408244: |-----
```

03

```
ci-p7bcm-helm-build-127278775: See https://github.com/instrumenta/helm-conftest for help
getting started.
ci-p7bcm-helm-build-127278775: Installed plugin: conftest
ci-p7bcm-helm-build-127278775: +----+
ci-p7bcm-helm-build-127278775: | RESULT | FILE |
                                                   MESSAGE
ci-p7bcm-helm-build-127278775: +----+
ci-p7bcm-helm-build-127278775: | success | - | data.main.warn
ci-p7bcm-helm-build-127278775: | success | -
                                         | data.main.warn
ci-p7bcm-helm-build-127278775: | success | -
                                         | data.main.deny
ci-p7bcm-helm-build-127278775: | success | -
                                          data.main.deny
ci-p7bcm-helm-build-127278775: | success | -
```

02

In action...

```
ci-p7bcm-kaniko-build-3703766448: INFO[0035] Taking snapshot of full
filesystem...
ci-p7bcm-kaniko-build-3703766448: INFO[0036] Pushed
013914783300.dkr.ecr.us-east-
1.amazonaws.com/cache@sha256:aff9b49176e6e12c7a6e9107bf80f7362f4908aa0bb22
f92e070c09ec99abead
ci-p7bcm-kaniko-build-3703766448: INFO[0036] Pushing layer
013914783300.dkr.ecr.us-east-
1.amazonaws.com/cache:31314ec2e1638845e3800aa917d3d1fc030a964406827c0c3a42
7ac651a5cf53 to cache now
ci-p7bcm-kaniko-build-3703766448: INFO[0036] ENTRYPOINT ["/opt/app-
root/entrypoint.sh"]
ci-p7bcm-kaniko-build-3703766448: INFO[0036] Pushing image to
013914783300.dkr.ecr.us-east-
1.amazonaws.com/cache:31314ec2e1638845e3800aa917d3d1fc030a964406827c0c3a42
7ac651a5cf53
ci-p7bcm-kaniko-build-3703766448: INFO[0036] No files ch...
```

04

```
ci-p7bcm-tagging-and-locking-3927130954: + git push
https://jenkins:iDirect@vault.idirect.net/scm/~mchisa/alarmmgrtest.git --tags
ci-p7bcm-tagging-and-locking-3927130954: To https://vault.idirect.net/scm/~mchisa/alarmmgrtest.git
ci-p7bcm-tagging-and-locking-3927130954: * [new tag]
                                                              0.13.0 \rightarrow 0.13.0
ci-p7bcm-tagging-and-locking-3927130954: time="2023-11-07T10:05:17.348z" level=info msg="sub-process"
exited" argo=true error="<nil>"
```

