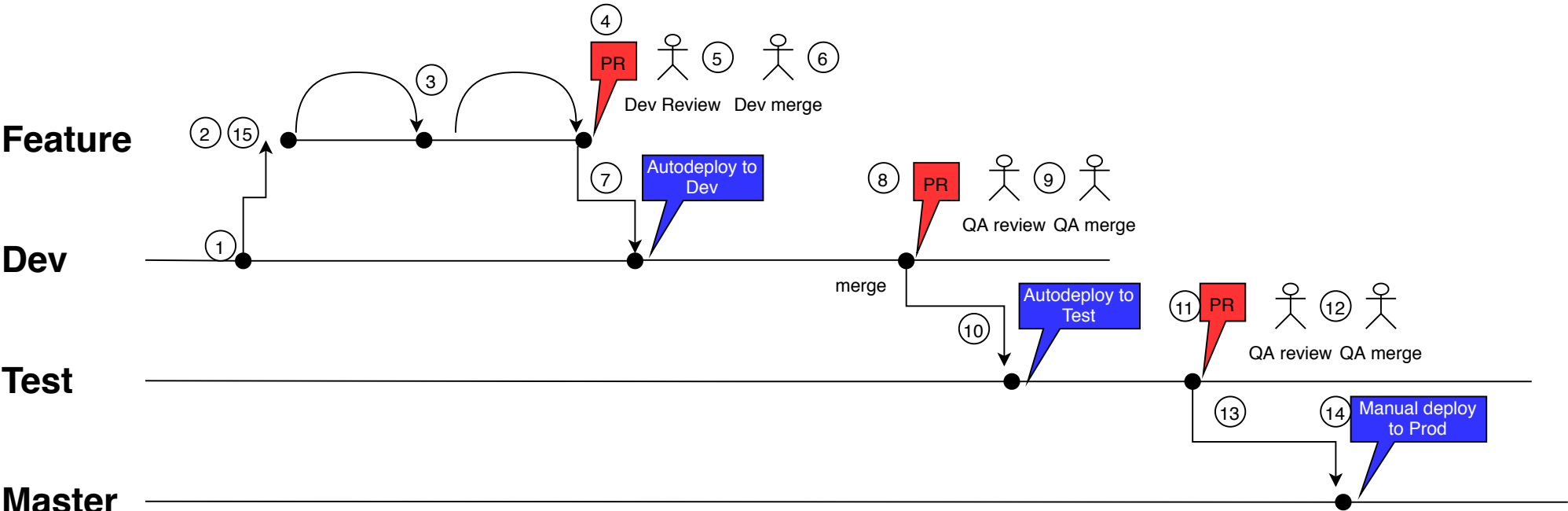


Branching and Release Strategy



Notes

1. All development is done off the Dev branch
2. At the start of a development sprint, a feature branch is created . The branch naming is at the discretion of the developer
3. Simple feature testing is done in the local development environment off the feature branch, however more complex testing (eg. where integration is required) will need a merge to the dev branch
4. When a feature is considered complete (or when integration testing is required) , a pull request (PR) is generated requesting a merge to the Dev branch
5. The PR can only be completed after a review by someone other than the developer has been performed. Normally this will require additional work on the feature branch
6. Once all review work is completed , the PR can be actioned resulting in a merge of the appropriate code to the Dev branch. The PR can be actioned by the reviewer or developer
7. The merge to the Dev branch initiates a build, code analysis and automated testing. On successful passing of these, the artifacts affected by the build are automatically deployed into the Dev environment
8. After developer unit and integration tests have passed, a new PR is generated for merge to the Test branch.
9. The PR can only be merged after review by a QA analyst. Normally this will be a review of the compatibility of the feature in the context of other open pull requests, any likely knock-on effects etc.
10. On successful merge to the Test branch, a build is initiated and automated tests are run. On successful completion of these tests, the affected artifacts are deployed to the Test system
11. System tests are performed by the QA team. If the tests are successful, a PR is created to merge to Prod. If not, remediation work continues on the feature branch and the cycle restarts
12. The actioning of the PR to prod requires a review by a QA/release analyst (typically only looking at the feature(s) and their relevance to a release milestone)
13. After a successful merge to the Prod branch, the relevant objects are built and automated tests are run HOWEVER the objects are not deployed automaticall
14. For deployment to production there is a manual step required of the release analyst, typically the end-customer.
15. On deployment, the feature branch is deleted manually by the developer