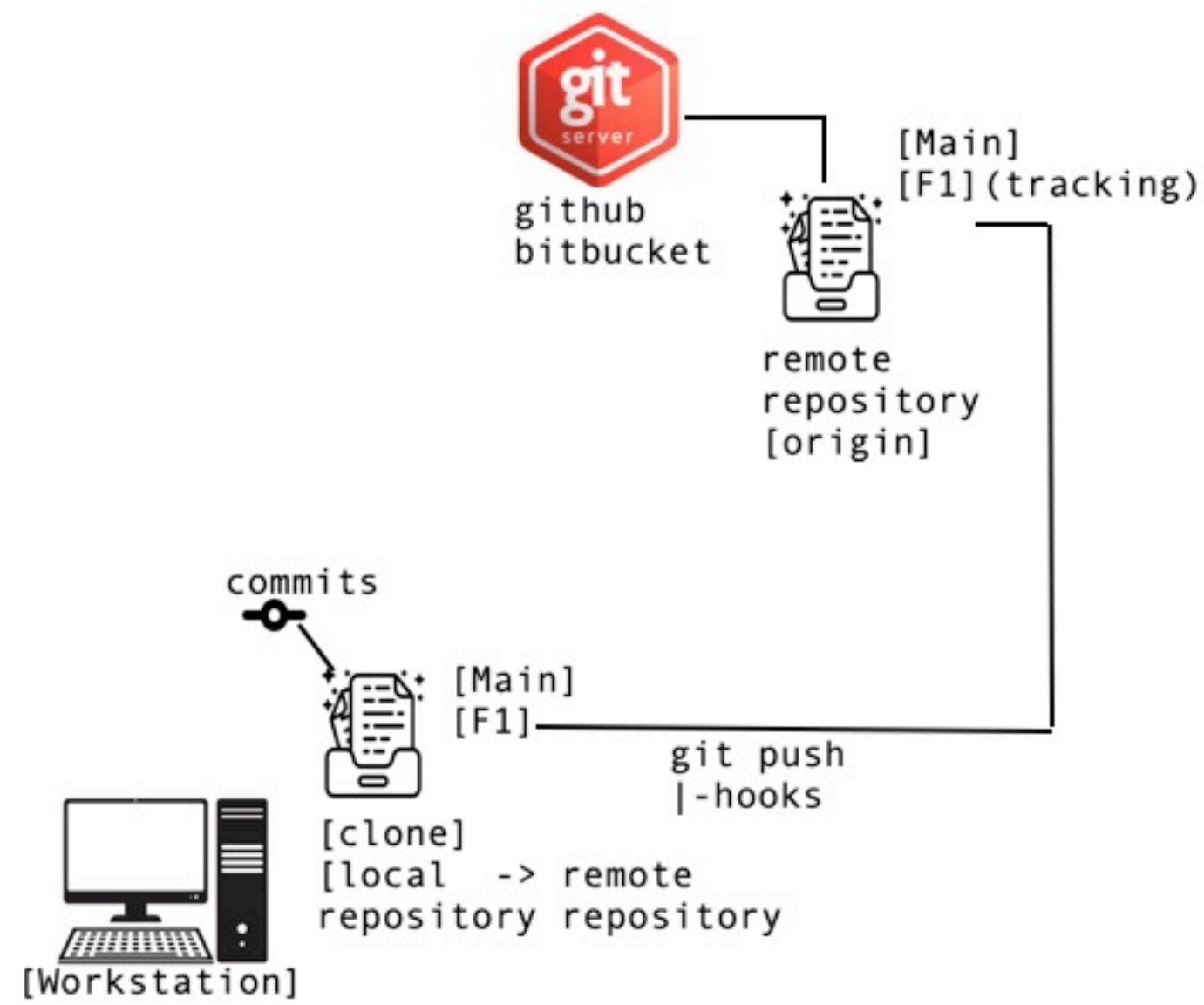


Trunk-based release



1. For each user story the developer creates an feature branch directory from Main/Master branch and continous to work on the Feature branch for the development of the user story.
- upon completing the development of the userstory on the feature branch, the developer pushes the changes/commits to the remote repo tracking branch (feature branch).
- For this release strategy to work:
The developers are responsible for implementing 100% unit test automation on the code. and should adopt TDD Test driven development which means by the time the developers are ready to push the code changes from the local to remote tracking branch, the code should have unittests around them
- In addition the developers are even responsible for writing e2e (End-to-End) testcases or integration-tests to ensure the overall system or modules works great.
- We should use proper code quality gating tools to asses the quality of the code, before it is being pushed on the remote repository
 1. jacaco
 2. pmd
 3. sonarqube
- so that when the developer perform a git push onto the remote repo tracing branch, through the help of git-hooks the code will be
 1. build
 2. all unittests are executed and verified for the failures
 3. code coverage / code review reports are captured
- based on the outcome of the unittests, test coverage reports and code review reports the code will be either pushed or aborted onto the remote repo
2. once the developer finishes working on the feature and he is about/ready to deliver it to the clients he has to create an Pull Request to merge the code into the Main/Master.
The PR would be shared across the team asking for review and once the approvals are received then the developer merges the PR.
- upon merging the PR the code will be pulled from Main branch and deployed into the DIT (Development environment) where developer can verify his changes are working properly or not
upon soking the changes in DIT env for a day or 2
There will be an continous delivery pipeline that picks the code/features from Main branch and moves them accross the envs like FIT, IAT, IPE and PROD etc by soking these for enough amount of time for verification.
- Release Cycle: Daily