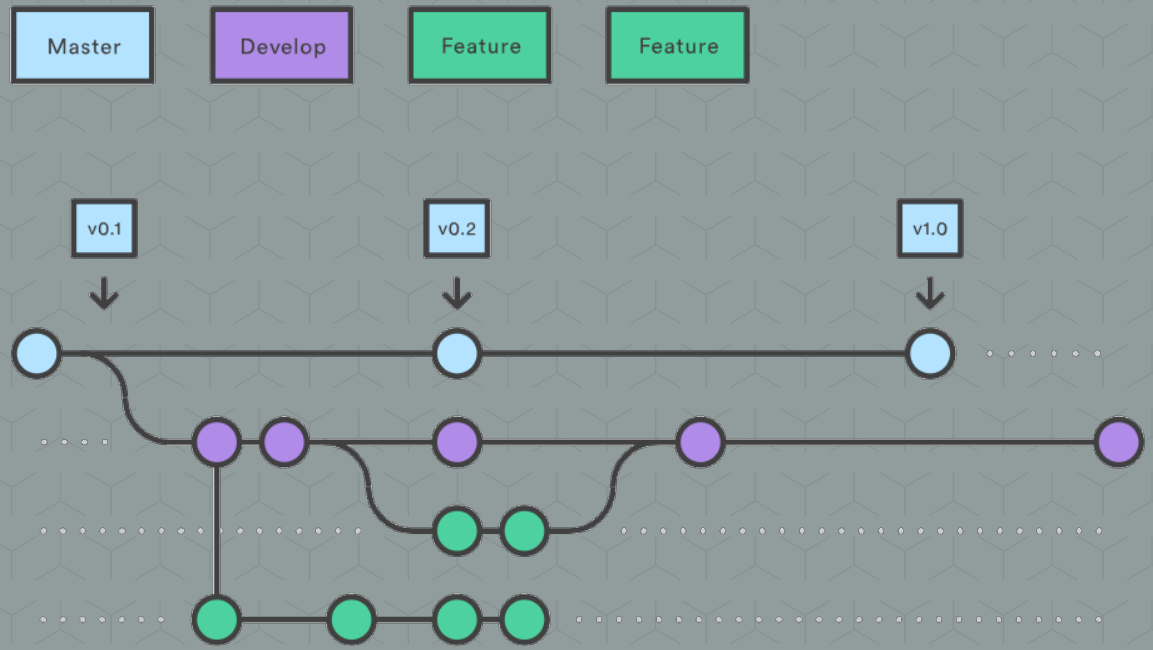
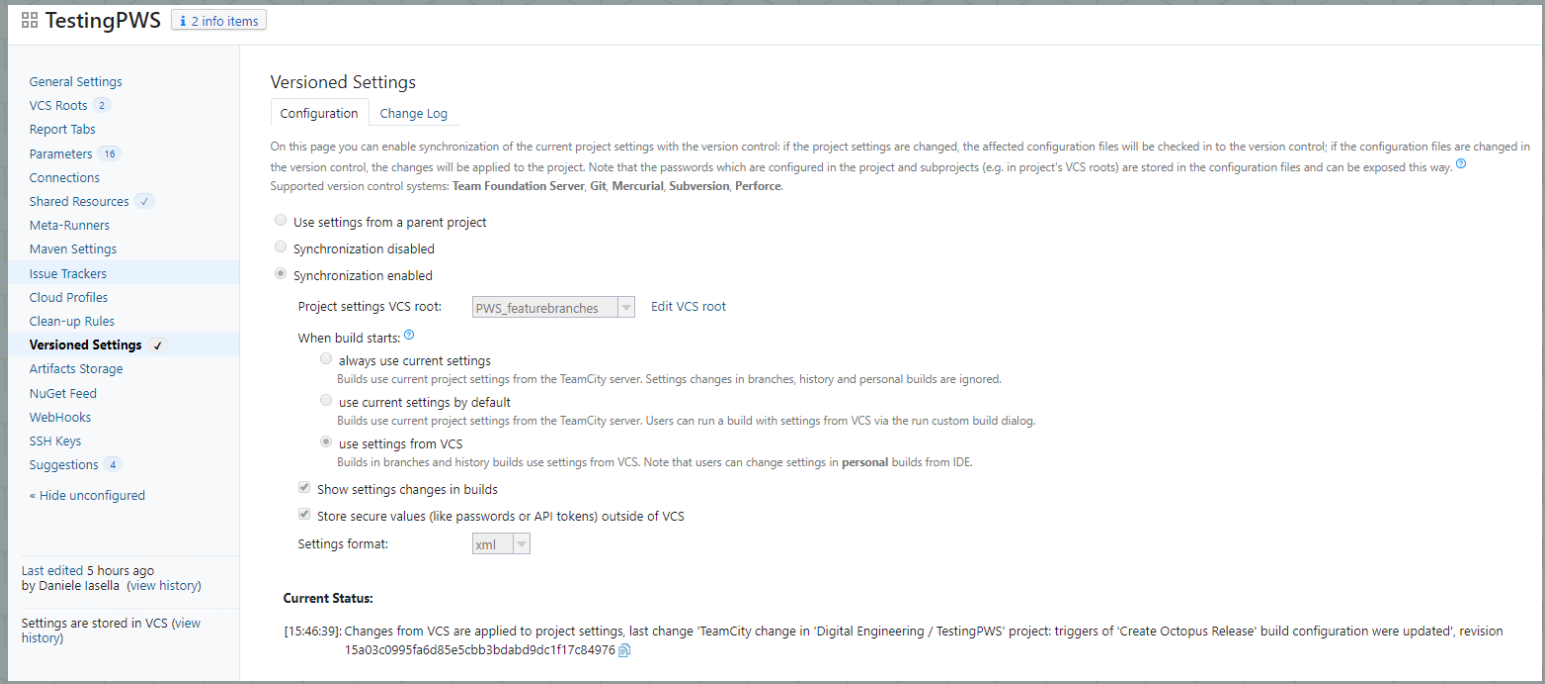
Feature branches in TC and how to use them in our CI stack

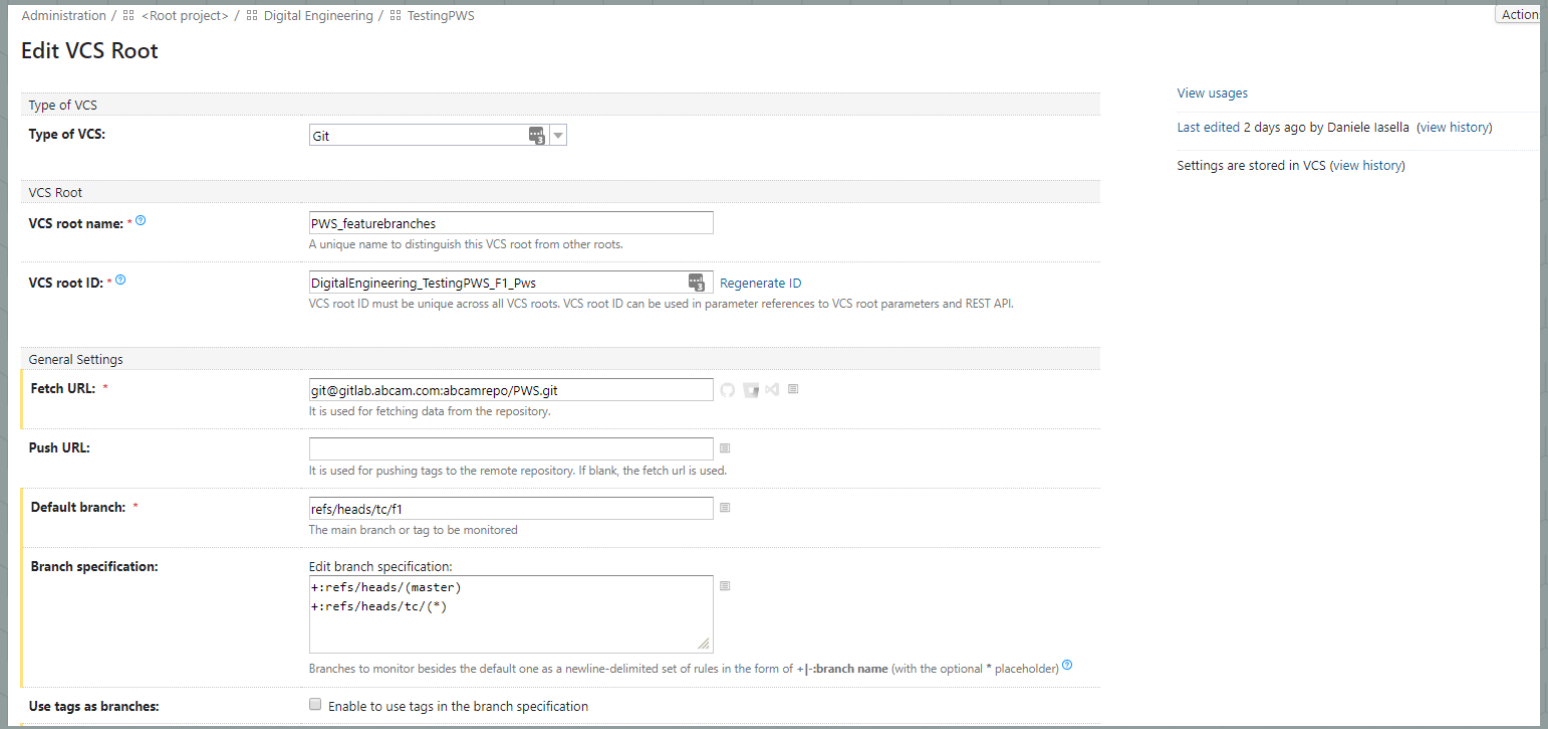
Feature branches



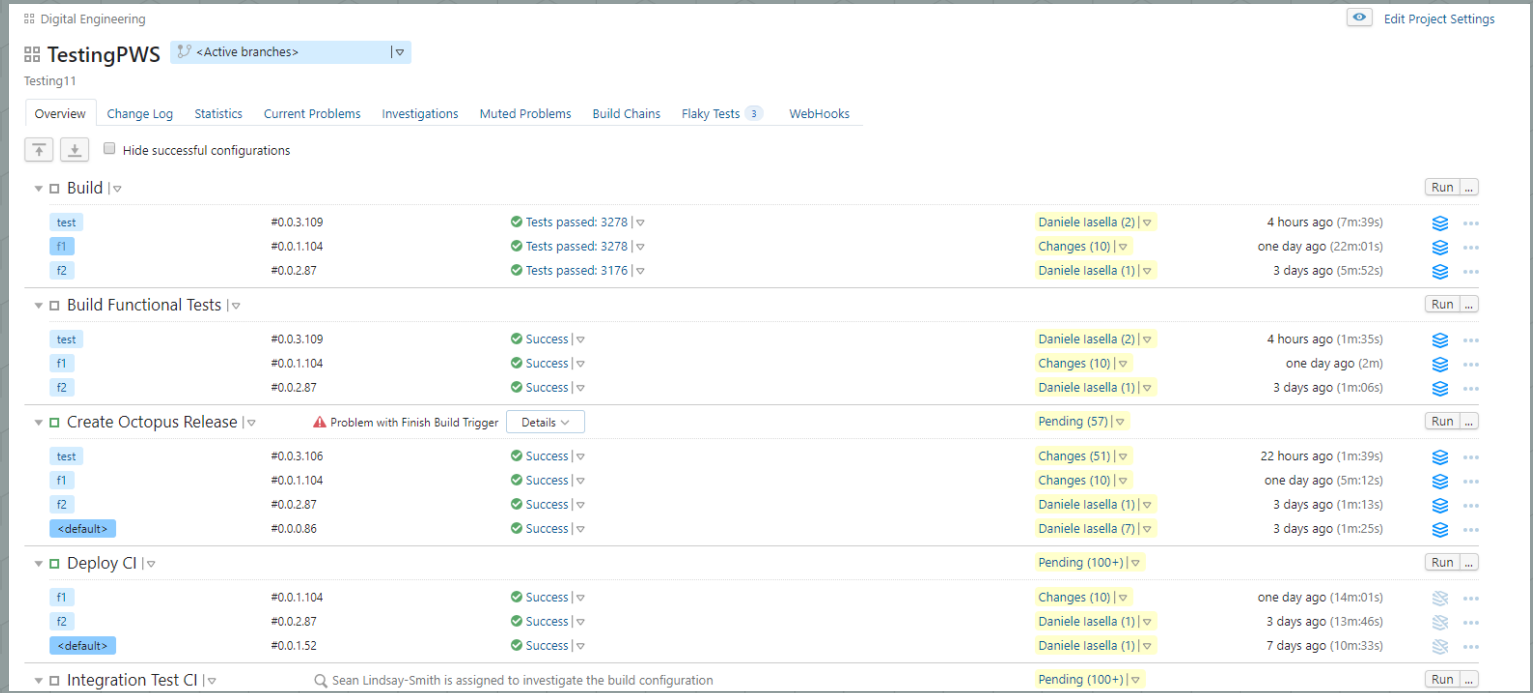
Prerequisite – fitting into our streams setup



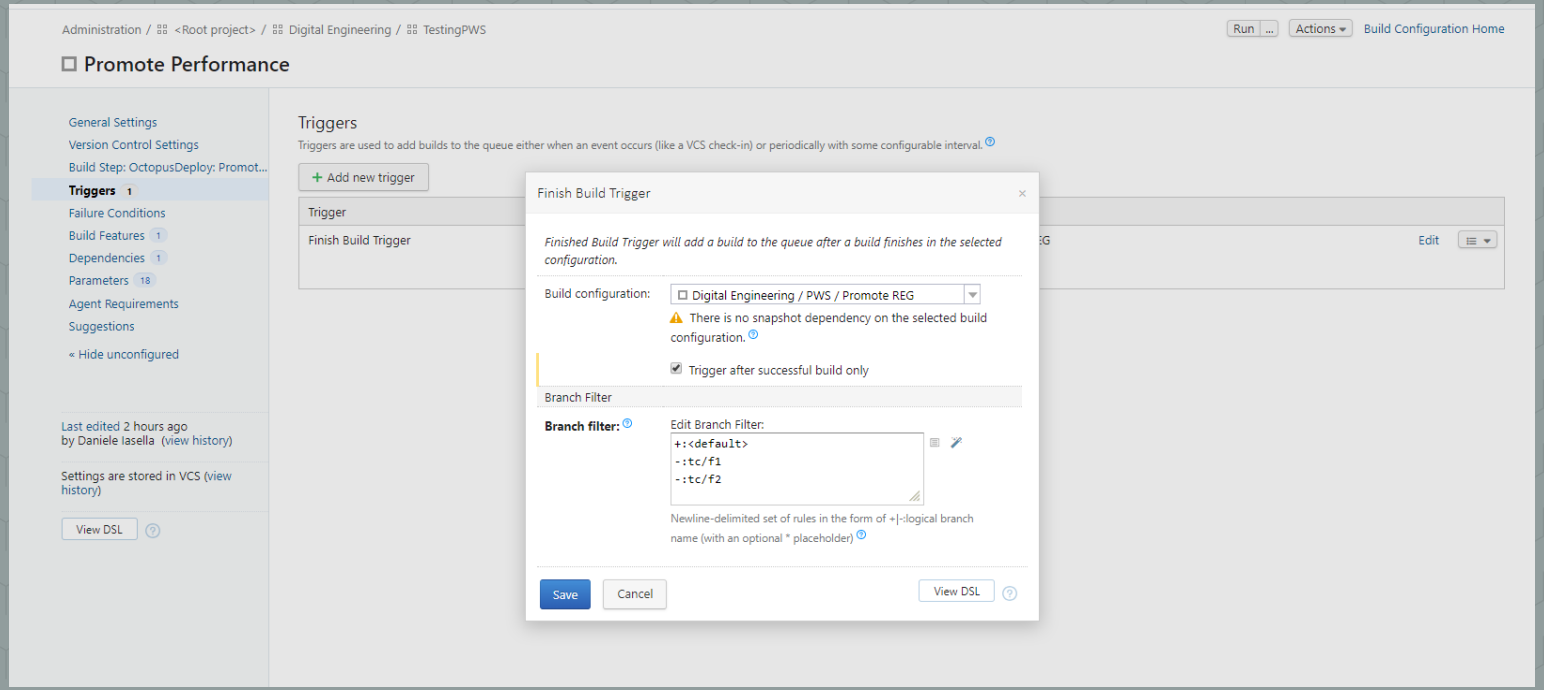
Feature branches functionality



Teamcity UI ----- finally!



Avoid triggers from F1/F2/P1 to Environments not in the channel



Pros

- Unique project regardless number of *streams / branches*
- Better visibility of all the streams
- Easier start from a template (set once and reuse without resetting all streams)
- Auto-merge and merge request
- Revert changes in TC projects!!! (Not related to the feature branches functionality but to Versioned Settings instead)

Cons?

TC's project UI driven by <default> branch (other branches?)

Cons?

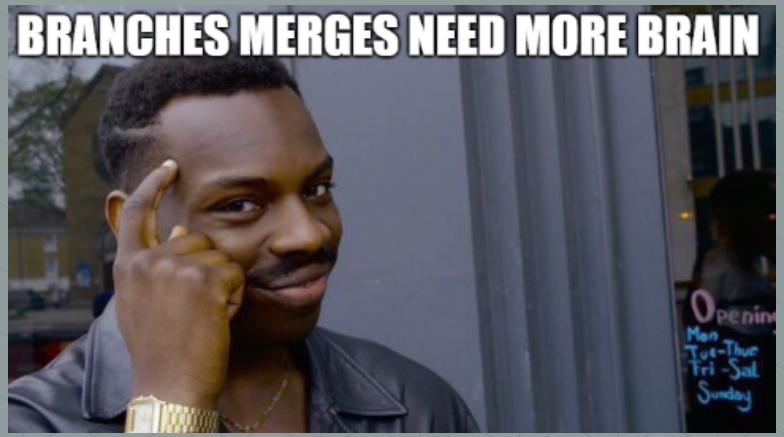
TeamCity's %build.counter% variable is unique per project

Cons?

Manual run could be red if they run *wrong step* per branch

Cons?

Merging branches in master will cause conflicts - .teamcity/*



Future spike

- Setup "Commit Status Publisher" build feature in TC for Gitlab merge request
- Auto-merge of feature branches in *stream/channel* branches

So….

Shall we try?