

 jenkinsci / jenkinsfile-runner

introduce support for "dry-run" in Pipeline #16

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ndelooft opened this issue on Apr 11, 2018 · 3 comments



ndelooft commented on Apr 11, 2018

Member

jenkinsfile-runner allows to run Pipeline on developer's workstation before it get committed to SCM and ran by Jenkins. This prevents SCM history to look like

- Update Jenkinsfile to do some interesting stuff
- fix Jenkinsfile
- fix Jenkinsfile
- fix Jenkinsfile
- ...

On the other hand, running Pipeline on developer's workstation might not be feasible as the pipeline will have various side effects. You probably don't want to trigger a production deployment from your laptop while testing a fix.

I suggest we introduce support in jenkinsfile-runner for a Dry-Run mode in Pipeline execution. This will require explicit support in pipeline steps / shared libraries so they check for valid parameters but don't actually run stuff.

Same should apply to plain `sh` steps. For those I suggest we define environment variable `DRY_RUN` as a convention for script authors to support this use case. jenkinsfile-runner when set to run in dry-run mode would then take care to inject this to build environment.

I'm submitting this proposal as a github issue for initial feedback loop before I start writing some more concrete proposal as a doc in jenkinsfile-runner repository.

Assignees



No one—assign yourself

Labels



None yet

Projects



None yet

Milestone



No milestone

Notifications

3 participants

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oxygenxo commented on May 16, 2018

Yep, it is definitely good idea. Our commit history looks exactly like this :)

We're trying to use Jenkins Pipeline Unit for that, but it becomes hard to write all these `registerAllowedMethod()`s for complex pipelines.



JiElPe-Fr38 commented on Oct 12, 2018

Really good idea !

There could have a `JENKINS_PIPELINE_RUNMODE` var set at job level, (perhaps a checkbox on the job config, or an option{} to add in the pipeline), and in a stage have the possibility to do something like :

```
stage('xyz') {
    steps {
        dryRun {
            }
        normal {
            }
    }
}
```

Or a `if is DryRun / unless is DryRun` directive to add after any step.



ndelooft commented on Oct 12, 2018

Author

Member

The actual way to have Pipeline support a dry-run mode has to be discussed in the workflow-* projects, when available we could support it from jenkinsfile-runner, but for sure won't implement by ourself