

Firefox Test Engineering: <http://firefox-test-engineering.readthedocs.io/en/latest/>

Public IRC channel: #fx-test on irc.mozilla.org

Dave Hunt's blog: <http://davehunt.co.uk/>

Mozilla's Shared Library:

- <https://github.com/mozilla/fxtest-jenkins-pipeline>

Projects using Declarative Pipeline:

1. <https://github.com/mozilla-services/go-bouncer/blob/c5d3b804dcc5857ea0344e6ec9c3774bd59bde4b/tests/e2e/Jenkinsfile>
2. <https://github.com/mozilla-services/socorro/blob/978522f386b08d09b265c7c3401f84e1602b48c3/e2e-tests/Jenkinsfile>
3. <https://github.com/mozilla/mozillians-tests/blob/4bd91a8e2c16bfc32bfaf185b7e94298018a025c/Jenkinsfile>
4. <https://github.com/mozilla/stubattrtribution-tests/blob/3b84490387b1e96057664c98f0c2cf3920ae3f47/Jenkinsfile>
5. <https://github.com/mozilla/fxapom/blob/23104559e991f0b34e1aa6f1b8c84e5aab4eb059/Jenkinsfile>
6. <https://github.com/mozilla/Addon-Tests/blob/617be344353d6903f5c4da3514d08e8e61db8fcf/Jenkinsfile>
7. <https://github.com/mozilla/treeherder/blob/edba0fb429d0a96d2f76cad9be1c65c83dfdb4f6/tests/jenkins/Jenkinsfile>
8. <https://github.com/mozmeao/snippets-service/blob/476a57f73a3147f723a2a767c8d5c426316f6545/tests/Jenkinsfile>

A brief history/rough timeline:

- September 8, 2016: Our first Jenkinsfile commit was for Mozillians-Tests:
<https://github.com/mozilla/mozillians-tests/commit/697cfb0cf67fc459c1e8a28d5f83daef6592b5b1>
 - Lines of Code: 159
- A lot of plugins weren't compatible with Pipeline, or claimed they were, but had show-stopping bugs, or lack key features we needed
- Pipeline Model Definition Plugin was still in Beta back in November 2016, but we were really excited about it:
<http://davehunt.co.uk/2016/11/25/irc-notifications-in-jenkins-pipelines.html>
- The biggest move for us was In March of this year, when migrated to Declarative Pipeline + used a shared library:
<http://davehunt.co.uk/2017/03/23/migrating-to-declarative-jenkins-pipelines.html>

- Fast-forward to today:
<https://github.com/mozilla/mozillians-tests/blob/4bd91a8e2c16bfc32bfaf185b7e94298018a025c/Jenkinsfile>
 - Lines of Code: 70
- Our shared library: <https://github.com/mozilla/fxtest-jenkins-pipeline>

A few issues we had to work through:

1. <https://issues.jenkins-ci.org/browse/JENKINS-42858> - Credentials environment variable isn't evaluated/available in the environment directive
2. <https://issues.jenkins-ci.org/browse/JENKINS-43910> - File credentials can't be used in Declarative environment variables
3. <https://issues.jenkins-ci.org/browse/JENKINS-42771> - Upgraded 1.1.1 of Pipeline Model Definition plugin throws error parsing concatenated variable-name/value strings
4. <https://issues.jenkins-ci.org/browse/JENKINS-42772> - New "WorkflowScript: 14: 'ansiColor' should have 1 arguments but has 0 arguments instead" exception thrown in version 1.1.1
5. <https://issues.jenkins-ci.org/browse/JENKINS-43872> - Dollar signs in credentials or literal-value env vars causes issues in environment in Declarative
6. <https://issues.jenkins-ci.org/browse/JENKINS-42857> - Multi-line, concatenated string values aren't parsed/passed in/to "environment" variable