The Butler and the Snake

Continuous Integration for Python

Timo Stollenwerk

Jenkins CI User Event 2014 — Copenhagen

Plone®

Plone Testing

"It's like Buildbot,
but with a butler."

Hudson / Jenkins

1
Version Control
2
Automated Build
3
Agreement on the Team

Commit

Build

Notify

Version Control

Automated Build

Buildout / PIP / Tox / Shining Panda

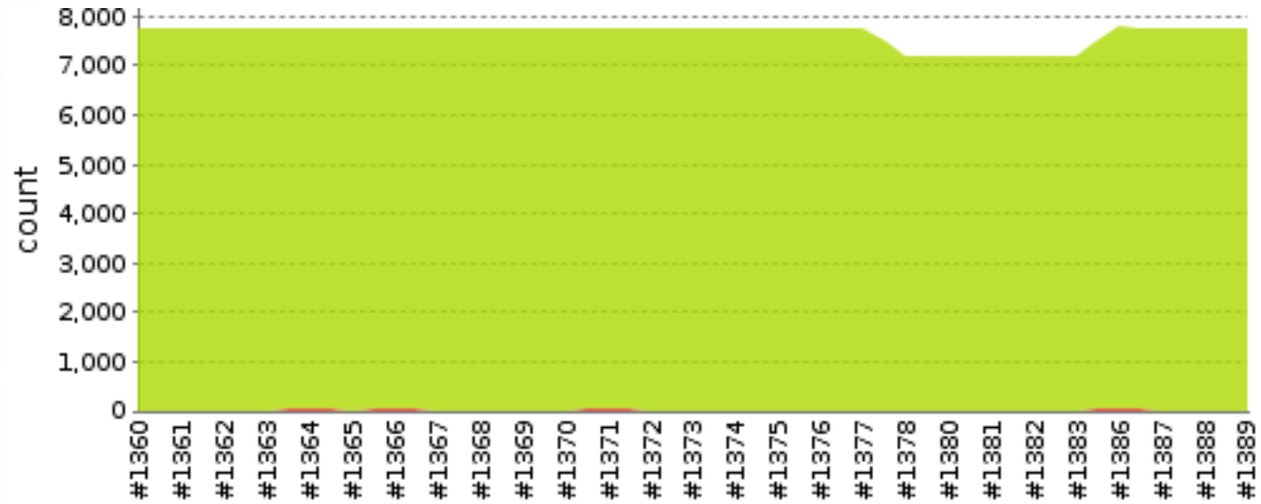
Photo Credit: Ralph Bijker

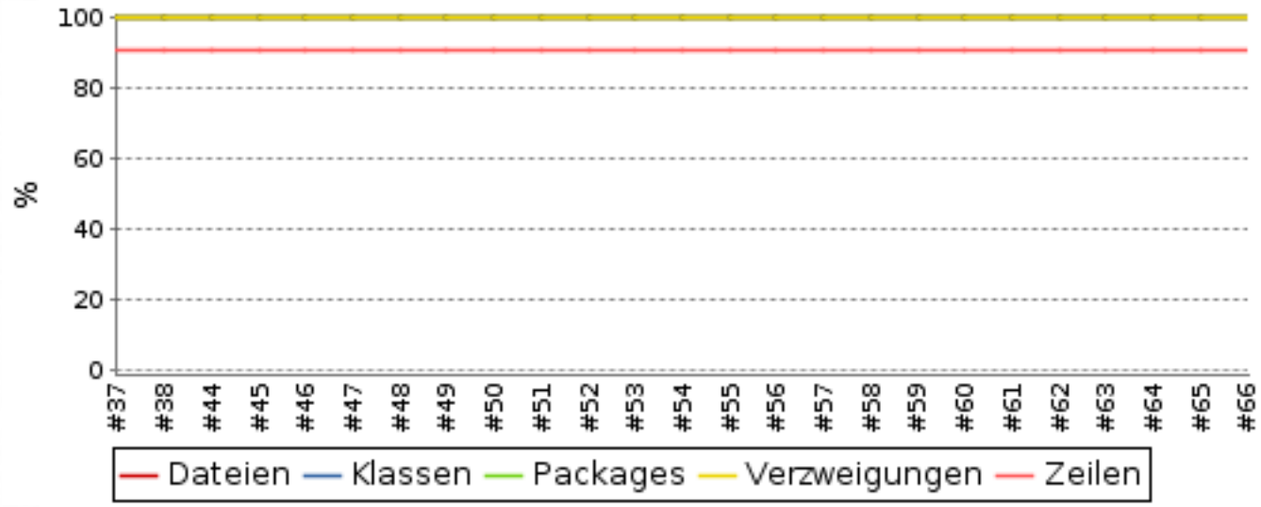
Agreement on the Team

Broken Build

Continuous Integration Rules

buildoutcoredev.readthedocs.org

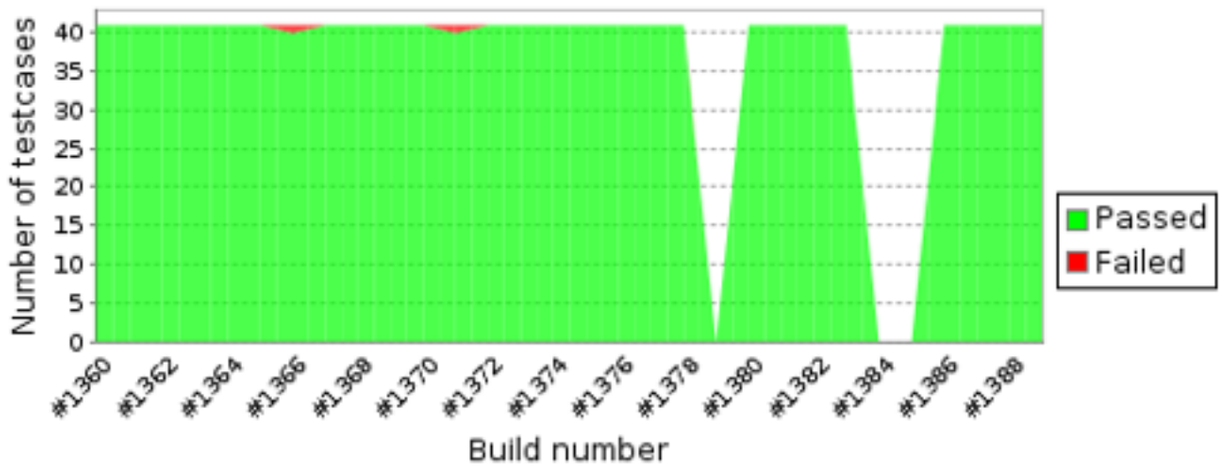


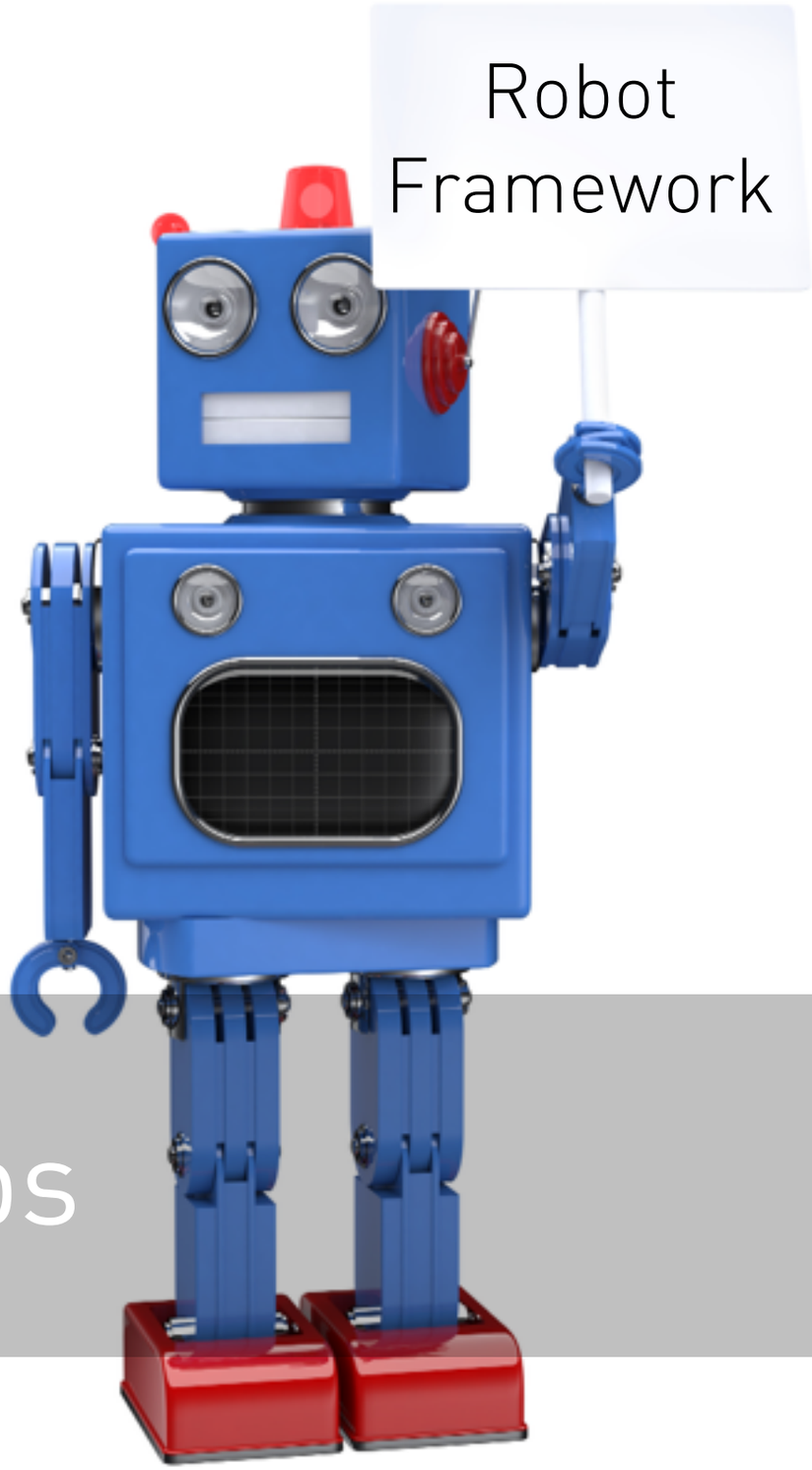


Testing

collective.xmltestreport / pytest / Coverage / Cobertura

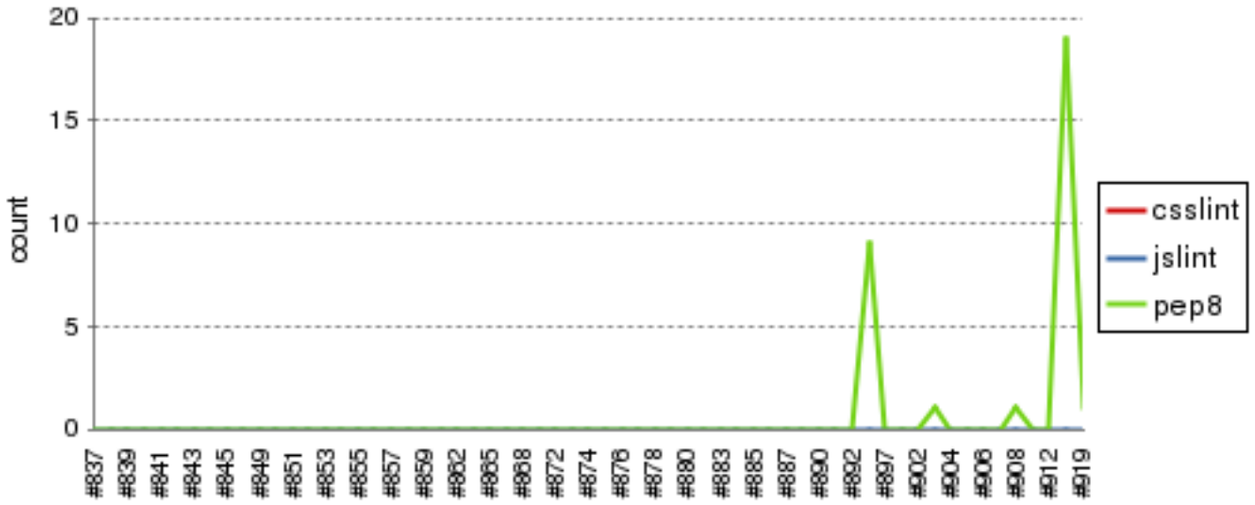
```
50  Test Valid Login
51      Given a login form
52      When I enter valid credentials
53      Then I am logged in
```





Robot Framework / Saucelabs

Robot / Saucelabs Jenkins Plugins



Static Code Analysis

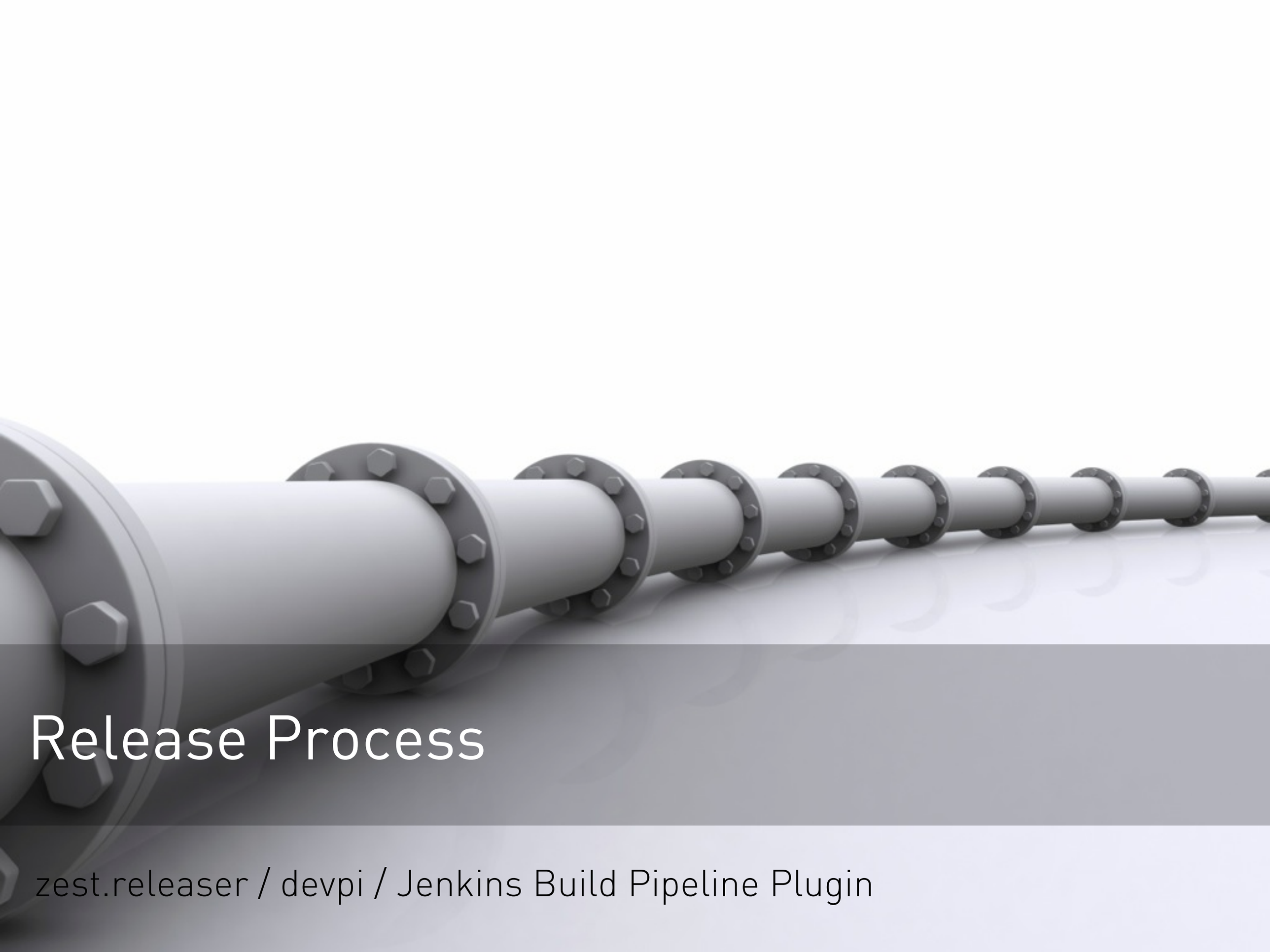
Pep8 / Pyflakes / Pylint / plone.recipe.codeanalysis / Violations Plugin

Notifications

Email-Ext Plugin / LDAP / Jenkins Dashboard Plugin

Scalability

Master-Slave / Provisioning / Jenkins Port Allocator Plugin



Release Process

zest.releaser / devpi / Jenkins Build Pipeline Plugin

Summary

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