

The Butler and the Snake

Continuous Integration for Python



Timo Stollenwerk

Jenkins User Conference Europe, June 2014





Plone Testing

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



Hudson / Jenkins



Version Control



Automated Build



Agreement on the Team



Commit



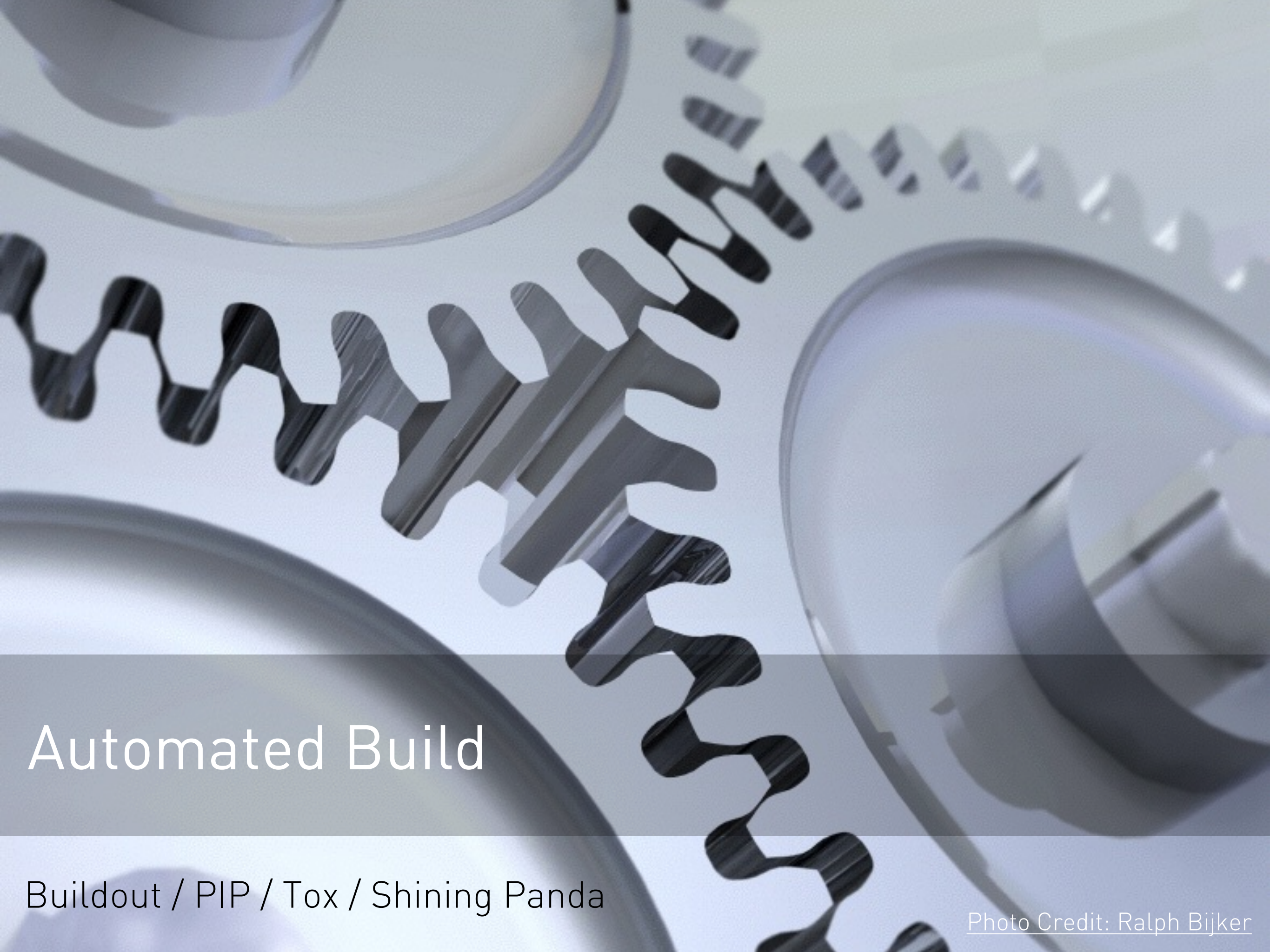
Build



Notify



Version Control



Automated Build

Buildout / PIP / Tox / Shining Panda

[Photo Credit: Ralph Bijker](#)



Agreement on the Team



Broken Build

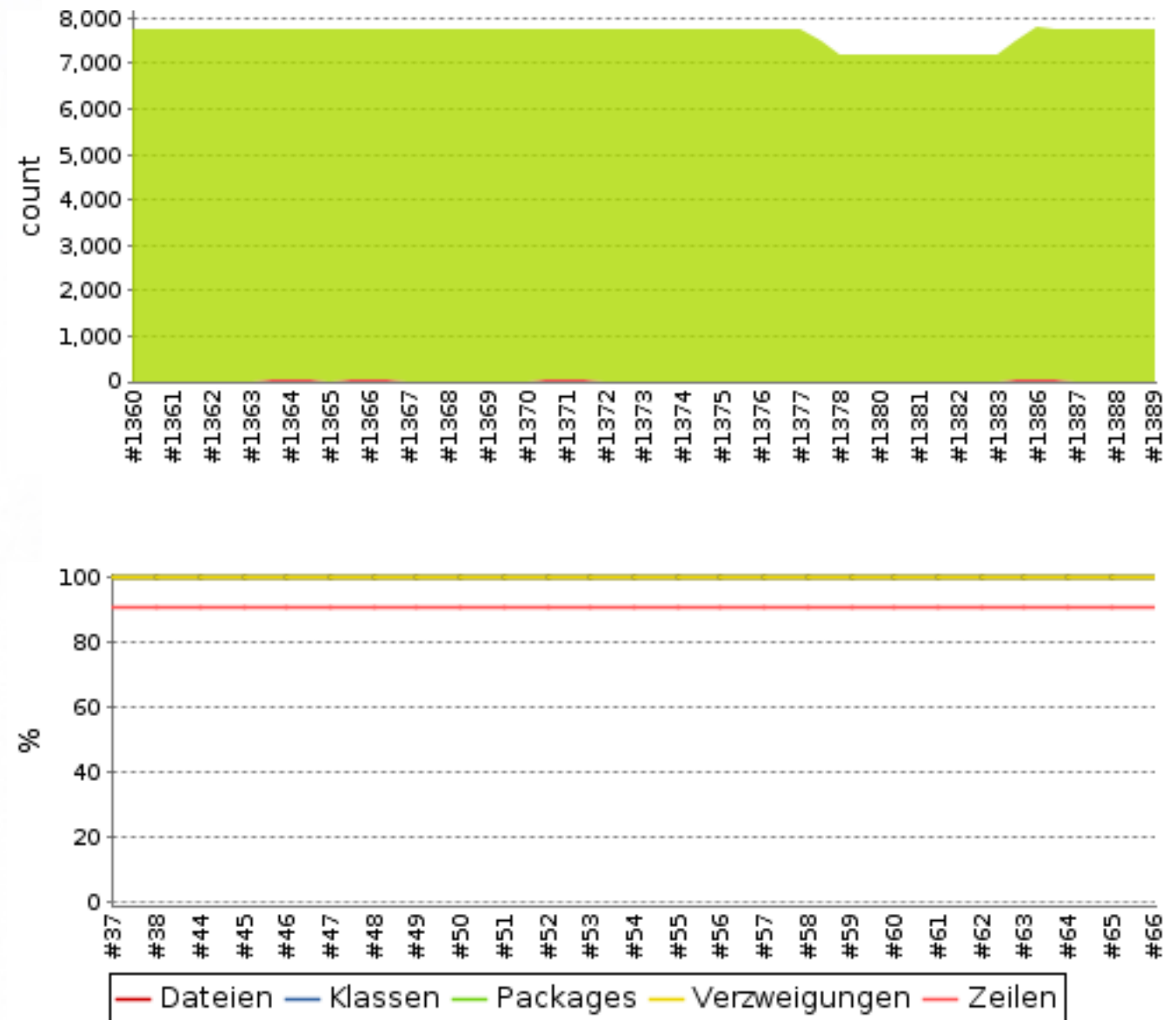


Continuous Integration Rules

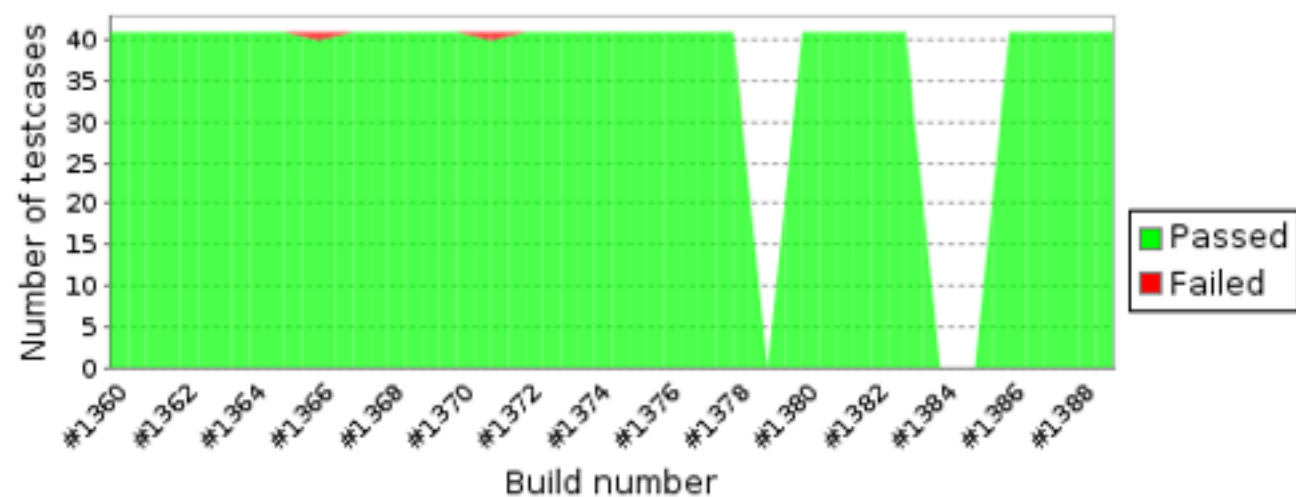
buildoutcoredev.readthedocs.org

Testing

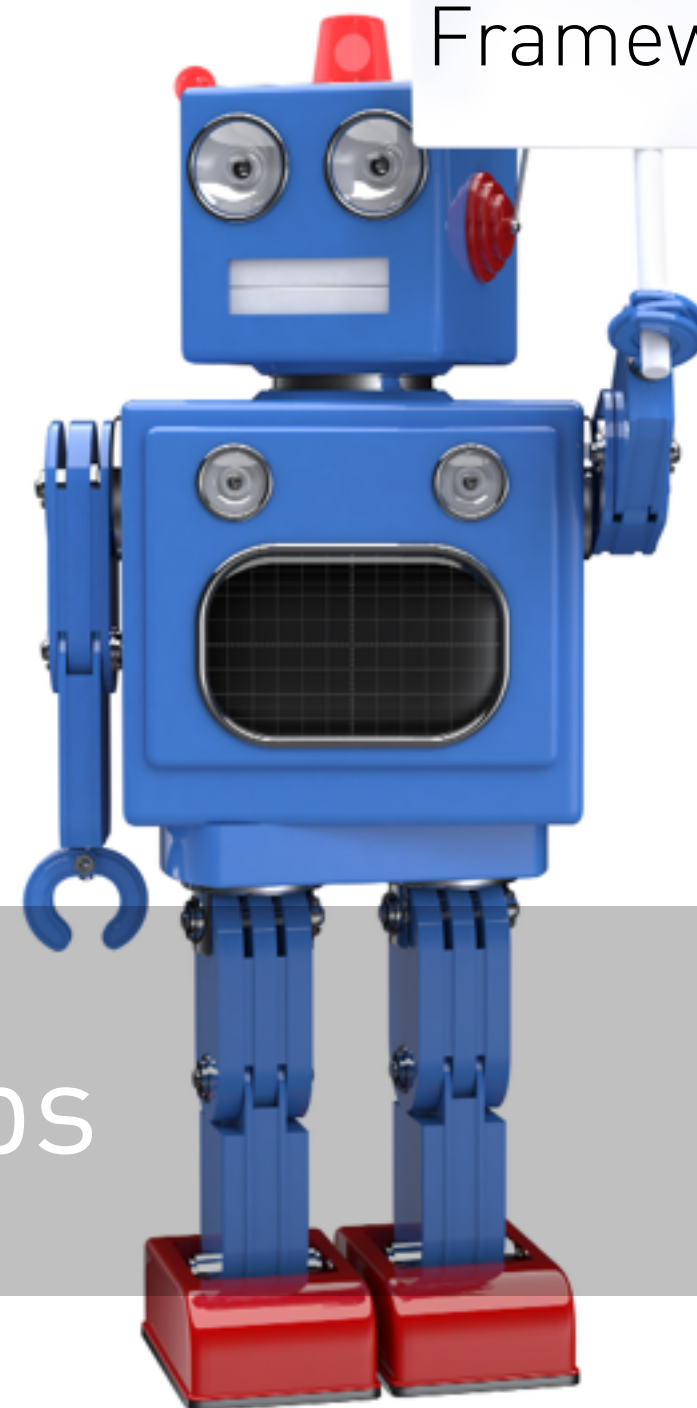
collective.xmltestreport / pytest / Coverage / Cobertura



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

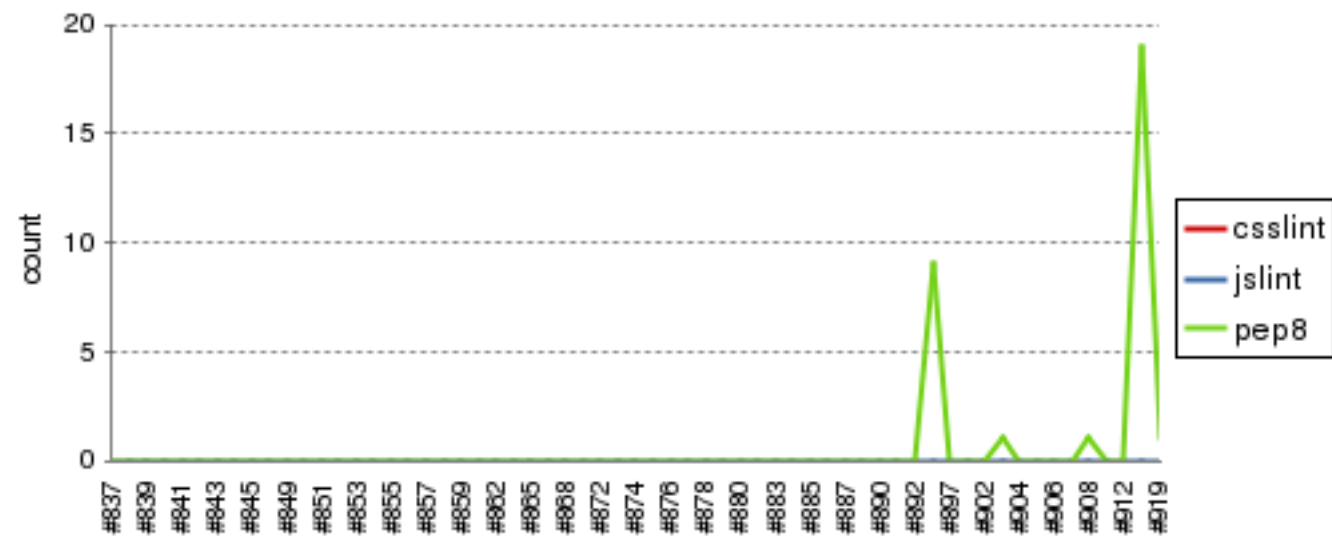


Robot
Framework



Robot Framework / Saucelabs

Robot / Saucelabs Jenkins Plugins



Static Code Analysis

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



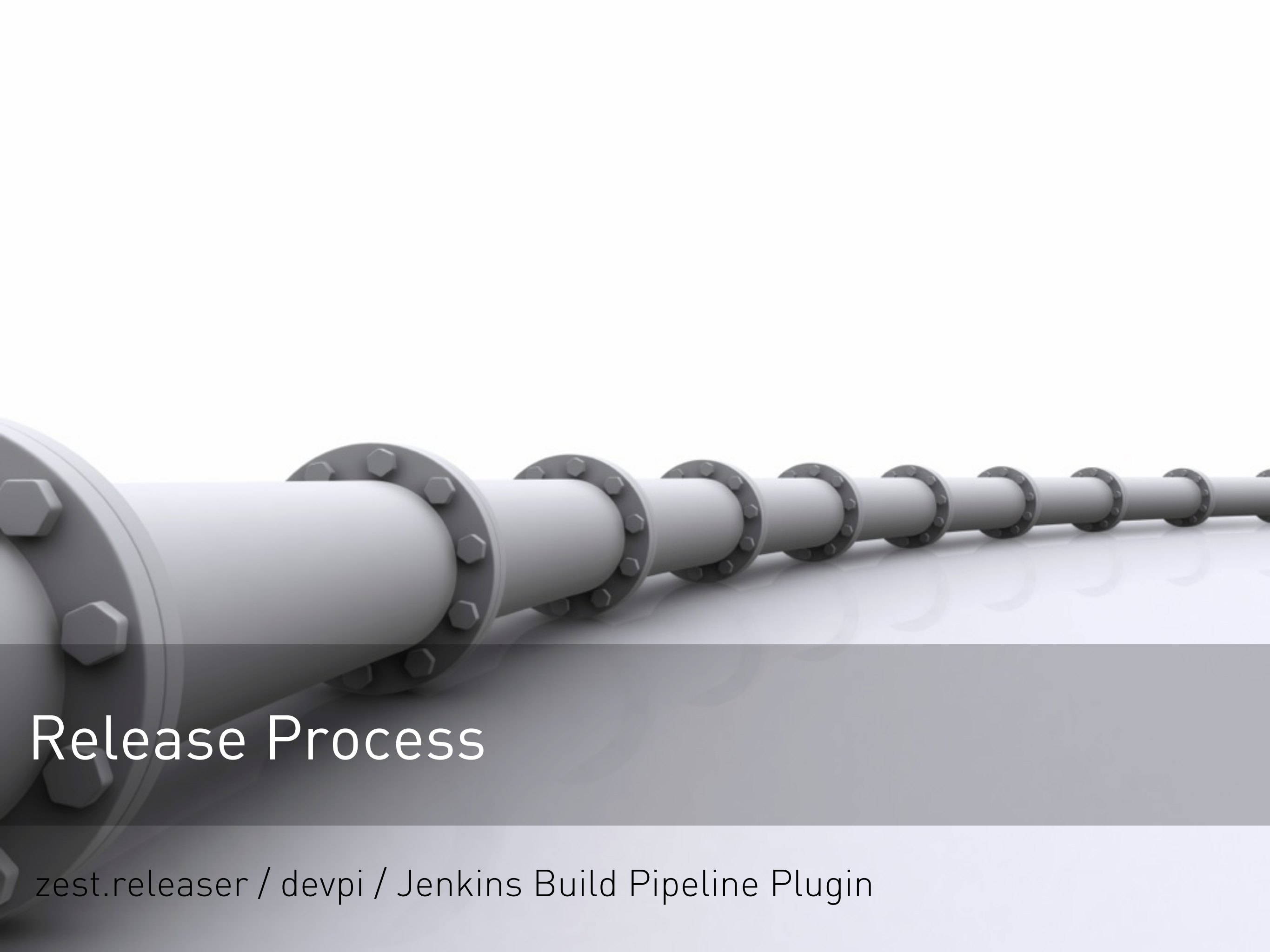
Notifications

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

Timo Stollenwerk

Twitter: timostollenwerk

IRC: tisto@freenode

E-Mail: tisto@plone.org

<http://timostollenwerk.net>



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A red line-art illustration of a city skyline, including the Berlin TV Tower, with the text "Java User Group Berlin Brandenburg" below it.
Java User Group Berlin Brandenburg

