

Leniwy programista na Trampolinie czyli ciągła integracja z Jenkinsem i Artifactory

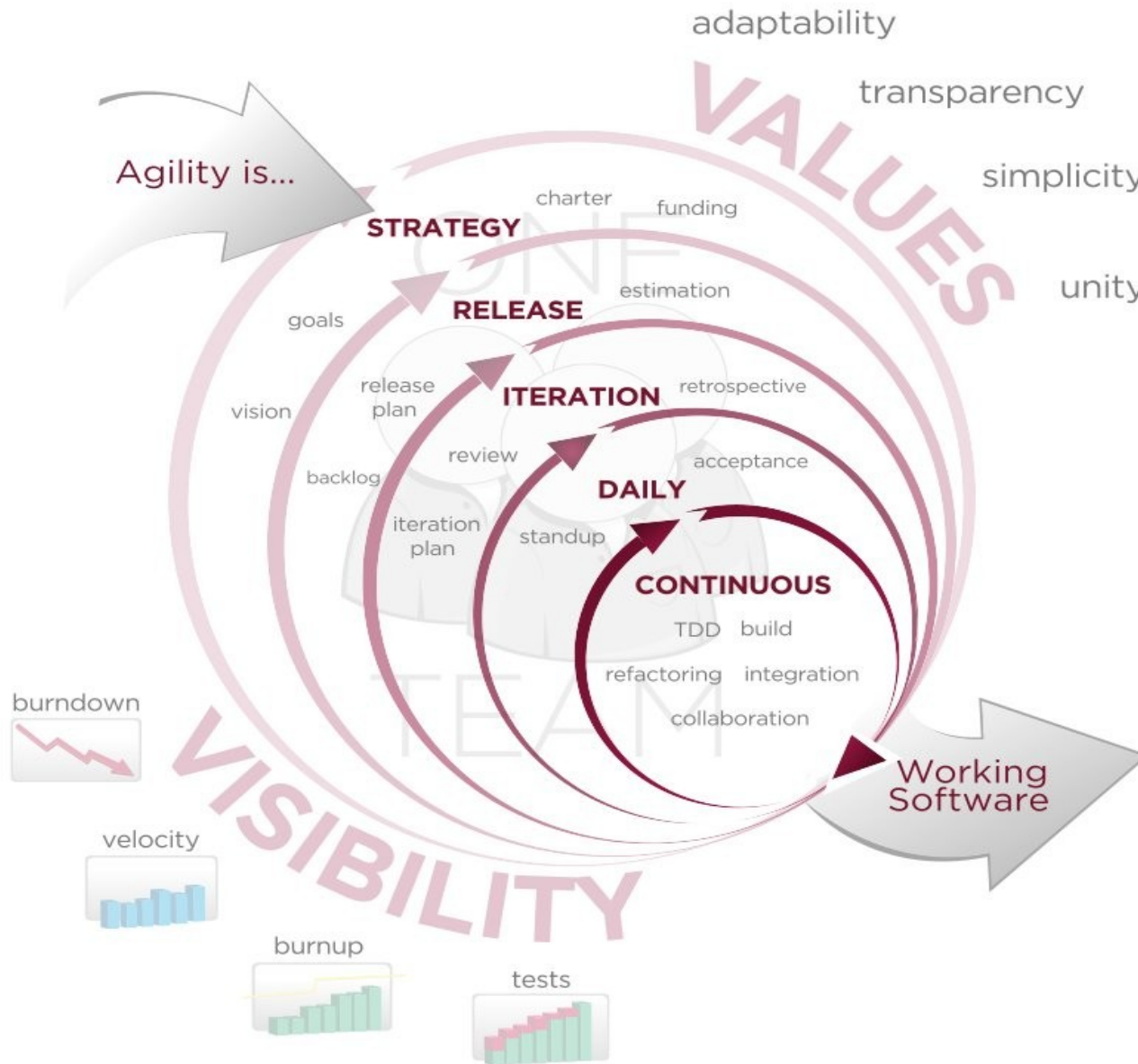
**Szymon Kupiński
CTO PCSS**

Dobry programista to
leniwy programista.

Leniwy programista automatyzuje...

Co można zautomatyzować?

AGILE DEVELOPMENT



ACCELERATE DELIVERY

Co to jest ciągła integracja?

Continuous Integration

Continuous Integration is a software development practice where members of a team integrate their work frequently, usually each person integrates at least daily - leading to multiple integrations per day. Each integration is verified by an automated build (including test) to detect integration errors as quickly as possible.

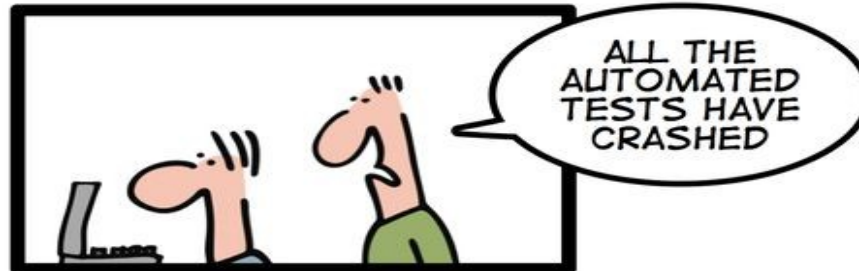
Martin Fowler

Ciągła integracja w praktyce

- Jedno repozytorium kodu
- Zautomatyzowany proces budowania
- Automatyczne testy
- Częsta integracja kodu przez programistów
- Każdy commit powoduje budowanie systemu
- Integracja jest szybka
- Wszyscy znają wyniki integracji
- Dostępność wyników integracji

GEEK & POKE'S LIST OF BEST PRACTICES

TODAY: CONTINUOUS INTEGRATION
GIVES YOU THE COMFORTING
FEELING TO KNOW THAT
EVERYTHING IS NORMAL



geek & poke






What is Jenkins?

Jenkins is an award-winning application that monitors executions of repeated jobs, such as building a software project or jobs run by cron.

- Building/testing software projects continuously
- Monitoring executions of externally-run jobs

<https://wiki.jenkins-ci.org/display/JENKINS/Meet+Jenkins>

The logo for Artifactory, featuring the word "artifactory" in a blue, sans-serif font. The letter "o" in "factory" is a solid orange circle, and the letter "i" in "artifactory" has a small orange dot above it. The entire logo is set against a light blue, pixelated background.

artifactory

...the world's most advanced repository manager

http://www.jfrog.com/home/v_artifactory_opensource_overview

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Build #79 (2012-03-22 23:14:33)

Don't keep this build forever

Started 2 mo 2 days ago

Took [5 min 20 sec](#)

 [add description](#)



Revision: 1190
Changes

1. [\(detail\)](#)
2. ISHARE-836 [\(detail\)](#)
3. ISHARE-827 [\(detail\)](#)
4. [ISHARE-826] [\(detail\)](#)




[Artifactory Build Info](#)



[Started by an SCM change](#)



Task Scanner: [10 open tasks](#) in 435 workspace files.


- [1 new open task](#)
- [1 closed task](#)
- Plug-in Result:  - no threshold has been exceeded (Reference build: [#78](#))
- New highscore: only successful builds for 90 days!



[Test Result](#) (no failures)




PMD: [1 warning](#) from 7 PMD analyses.

- Plug-in Result:  - no threshold has been exceeded (Reference build: [#78](#))
- New highscore: only successful builds for 90 days!




Duplicate Code: [8 warnings](#) from 7 analyses.

- Plug-in Result:  - no threshold has been exceeded (Reference build: [#78](#))
- New highscore: only successful builds for 90 days!



Checkstyle: [3,175 warnings](#) from 7 Checkstyle analyses.

- [66 new warnings](#)
- [38 fixed warnings](#)
- Plug-in Result:  - no threshold has been exceeded (Reference build: [#78](#))
- New highscore: only successful builds for 90 days!

GN3 Continuous Integration Service

[dodaj opis](#)

| All | AutoBAHN | Default | GEMBUS | I-SHARE | My View | SDS | SF-prototype | Sandbox | cNIS Views | perfSONAR | + |
|-----|----------|-----------------------------------|---------------------|---------------------|-----------------|-----|--------------|---------|-------------------|-----------|---|
| S | W | Name ↓ | Ostatni sukces | Ostatni błąd | Ostatnio zajęło | | | | | | |
| | | cNIS_cloc_counter | 1 mo 24 days (#332) | 1 mo 25 days (#331) | 28 sec | | | | | | |
| | | cNIS3 | 1 hr 8 min (#662) | 20 days (#617) | 11 min | | | | | | |
| | | cNIS_nightbuild | 1 hr 14 min (#189) | | | | | | | | |

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- [Usuń Widok](#)
- [Zależności projektu](#)
- [Sprawdź](#)
- ["odcisk" \(Fingerprint\) pliku](#)
- [Manage Jenkins](#)
- [My Views](#)

Ikona: [S](#) [M](#) [L](#)

[Legenda](#) [RSS dla wszystkich](#)

Kolejka budowania

Brak zadań w kolejce.

Status zarządcy zadań

| # | Status |
|---|-----------|
| 1 | Bezczynny |
| 2 | Bezczynny |
| 3 | Bezczynny |

Jenkins

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Build History (trend)

| | |
|-----|---------------------|
| #96 | 2012-05-15 23:14:26 |
| #95 | 2012-05-14 06:32:45 |
| #94 | 2012-05-11 23:14:26 |
| #93 | 2012-05-10 23:14:26 |
| #92 | 2012-05-10 08:07:10 |
| #91 | 2012-04-05 15:31:13 |
| #90 | 2012-04-04 23:14:01 |
| #89 | 2012-04-03 15:43:38 |

Project I-SHARE nightbuild

[add description](#)
Disable Project

- [Maven-generated site](#)
- [Artifactory Build Info](#)
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- [Latest Test Result \(122 failures / ±0\)](#)

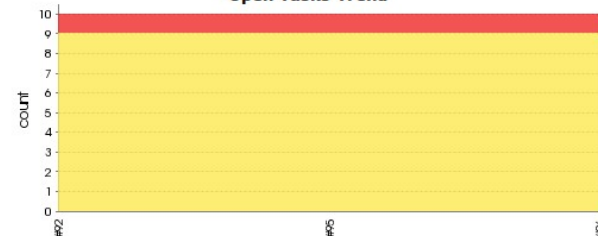
Downstream Projects

- [i-SHARE_cloc_counter](#)

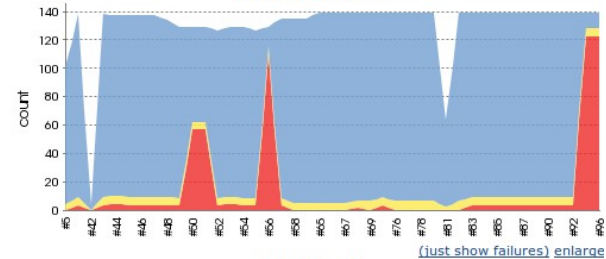
Permalinks

- [Last build \(#96\), 8 days 14 hr ago](#)
- [Last stable build \(#79\), 2 mo 2 days ago](#)
- [Last successful build \(#96\), 8 days 14 hr ago](#)
- [Last failed build \(#94\), 12 days ago](#)
- [Last unstable build \(#96\), 8 days 14 hr ago](#)
- [Last unsuccessful build \(#96\), 8 days 14 hr ago](#)

Open Tasks Trend



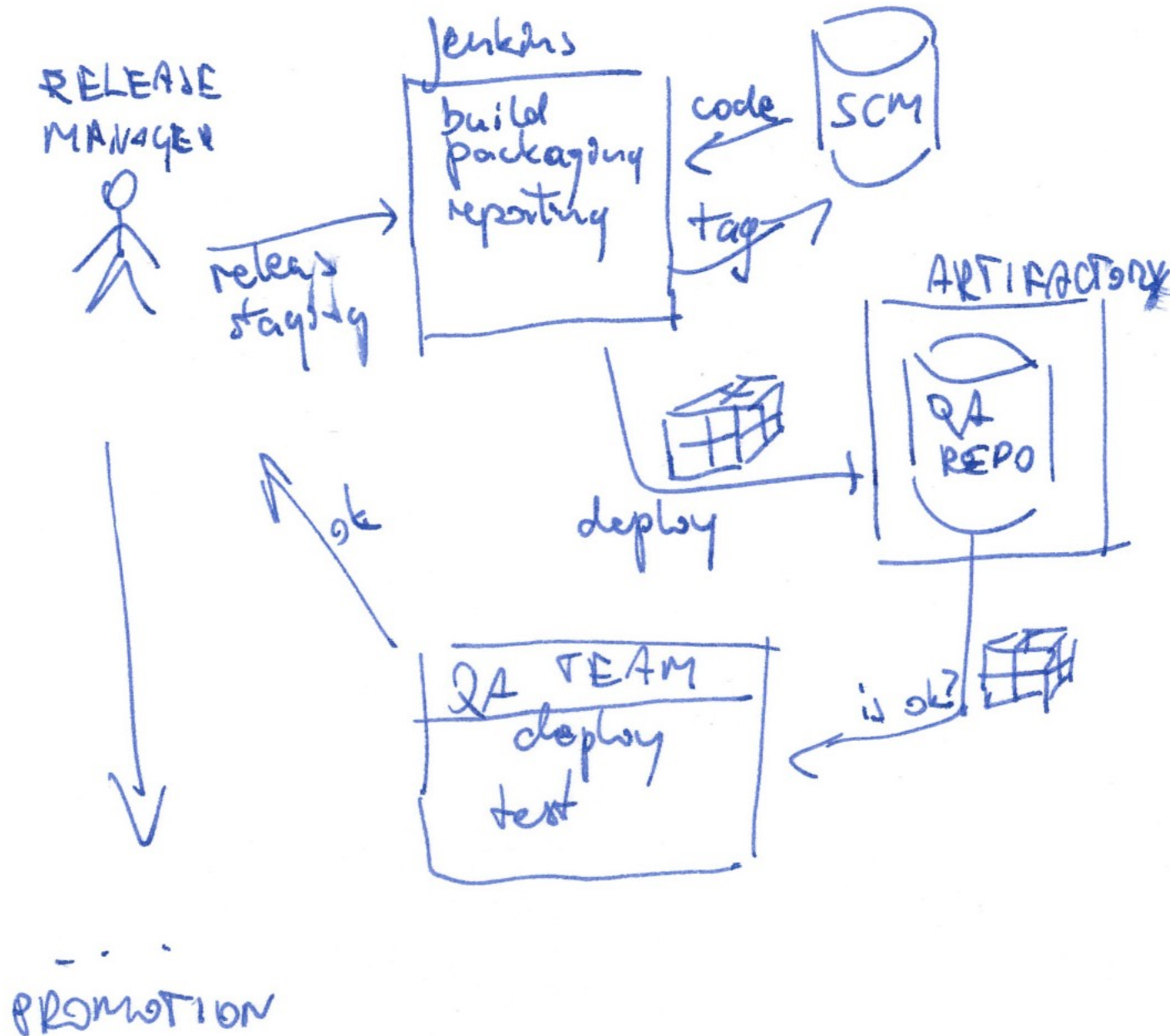
Test Result Trend



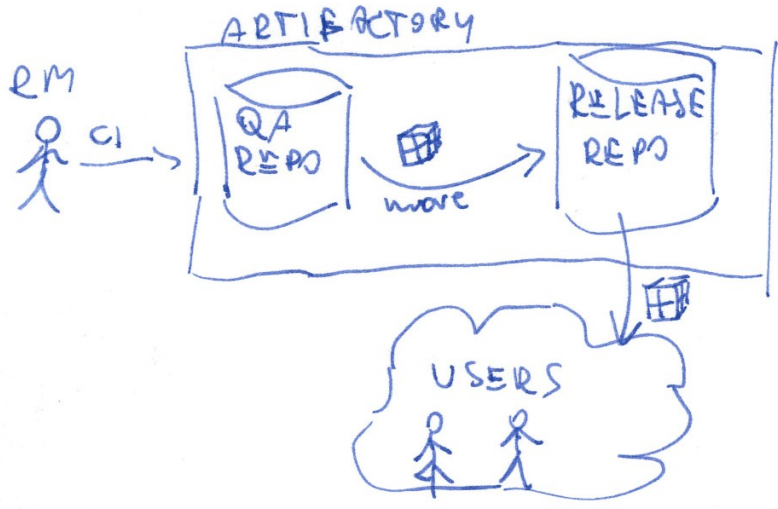
PMD Trend



Jenkins + ArtifactoryPowerPack



PROMOTION



Release Staging

Artifactory Release Staging

[ENABLE AUTO REFRESH](#)

Artifactory Pro Release Staging

Last built version 3.2-SNAPSHOT



Module Version Configuration

One version for all modules



Release version



Next development version



Version per module



Use existing module versions



VCS Configuration

Create VCS tag



Tag URL/name



Tag comment



Next development version comment



Repository to stage the release to (requires Artifactory Pro)



Staging comment



Build and Release to Artifactory



Release Promotion

Artifactory Pro Release Promotion

Target status Released ⓘ

Comment

Target promotion repository cnis-test-release-promoted-local ⓘ

Include dependencies ⓘ

Use copy ⓘ

cnis_nightbuild #197 Artifactory Release Promotion

[← to Project](#)

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[nges](#)

[sole Output \[raw\]](#)

[Build Information](#)

[te Build](#)

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Build #197 Promotion

Promotion is in progress:

```
Promoting build ...
Performing dry run promotion (no changes are made during dry run) ...
Dry run finished successfully.
Performing promotion ...
Promotion completed successfully!
Completed
```

Build Info

Build Browser

All Builds ▶ cNIS_nightbuild ▶ Build #197 ▶ Started @ 2012-06-20T10:07:17.811+0100

Build #197

General Build Info

Published Modules

Environment

Licenses

Release History

Released (2012-06-20T10:24:15.526+0100)

Repository: cnis-test-release-promoted-local

Comment:

CI User: Szymon Kupinski (psnc.kupinski)

Artifactory User: jenkins

Staged (2012-06-20T10:07:17.811+0100)

Repository: cnis-qa-local

Comment:

CI User: Szymon Kupinski (psnc.kupinski)

Artifactory User: jenkins

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