

Jenkins - Continuous Integration i nie tylko



Bogusław Klimas

Starszy Inżynier ds. oprogramowania

Agenda

O nas

Cel szkolenia, warsztatów

Jenkins a co to?

Uruchomienie, instalacja

Administracja

Jenkins slaves

Jenkins & groovy

Jenkins jobs

Jenkins dashboard

Plugins

Pytania

O nas

O mnie

Programuje w Javie od 10 lat

Jenkinsem zajmuje się od ~ 8 lat

Sygnity, Sii (Sabre)

Opiekun plugina git-parameter^a

^a<https://github.com/jenkinsci/git-parameter-plugin>

O Was

Każdy po kilka słów

Cel szkolenia, warsztatów

Cel !

Zdobycie wiedzy praktycznej z Jenkinsa

Wdrożenie i zarządzanie Jenkinsem jak i "Jobami"

Jenkins a co to¹

Elevator Pitch

Jenkins is an open source automation server which enables developers around the world to reliably build, test, and deploy their software.

Blurb

Jenkins, originally founded in 2006 as "Hudson", is one of the leading automation servers available. Using an extensible, plugin-based architecture developers have created hundreds of plugins to adapt Jenkins to a multitude of build, test, and deployment automation workloads. In 2015, Jenkins surpassed 100,000 known installations making it the most widely deployed automation server.

¹<https://jenkins.io/press/>

Jenkins kto za tym wszystkim stoi

Kohsuke Kawaguchi



Links

- ▶ <https://jenkins.io>
- ▶ <https://groups.google.com/forum/#!forum/jenkinsci-dev>
- ▶ <https://issues.jenkins-ci.org/>
- ▶ <https://wiki.jenkins-ci.org/display/JENKINS/Home>
- ▶ <https://stats.jenkins.io/>

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Początki bywają trudne



Uruchomienie, instalacja

► Instalacja z repozytorium

```
# dnf -y install jenkins
# systemctl enable jenkins.service
# systemctl start jenkins.service
JENKINS_HOME=/var/lib/jenkins
binaria: /usr/share/jenkins
log: /var/log/jenkins/jenkins.log
```

► Uruchomienie z war'a

```
$ java -jar jenkins.war
JENKINS_HOME=$HOME/.jenkins

$./jenkins.sh start|stop
```


Administracja vel Manage Jenkins

- ▶ About Jenkins
- ▶ System Information
- ▶ Manage Old Data
- ▶ Reload Configuration from Disk
- ▶ Load statistics
- ▶ System Log
- ▶ Manage Plugins
- ▶ Security
- ▶ Configure system
- ▶ Global Tool Configuration
- ▶ ...

LDAP

LDAP

Server

Server

root DN

User search base

User search filter

Group search base

Group search filter

Group membership

☒ Parse user attribute for list of LDAP groups

Group membership attribute

Manager DN

Manager Password

Display Name LDAP attribute

Email Address LDAP attribute

Environment Properties

Name

Value

Add

Delete

Ignore if Unavailable

☒

Jenkins slaves

Jenkins & groovy czyli Scriptler

Javadoc

<https://javadoc.jenkins.io/>

Jenkins jobs

- ▶ Freestyle project
- ▶ Maven project
- ▶ Pipeline

Jenkins dashboard

- Build Monitor View

Plugins

- ▶ Hallo World
- ▶ Need Beer
- ▶ Calculator

Pytania

Pytania?

Dziękuję!