

# ABC Jenkins pipeline

## Your Job is Your Code



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## Agenda

O mnie

Z pewnej rozmowy rekrutacyjnej

Perspektywa

Plan

Environment

Działamy

Pytania

## O mnie

### O mnie

Programuje w Javie od 12 lat

Jenkinsem zajmuje się od  $\sim$  10 lat

Sygnity, Sii (Sabre)

Opiekun plugina git-parameter<sup>a</sup>

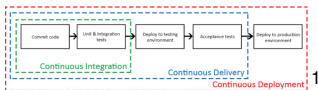
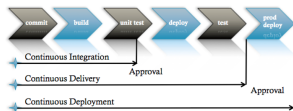
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<sup>a</sup><https://github.com/jenkinsci/git-parameter-plugin>

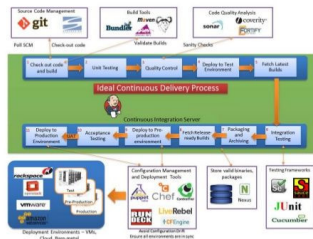
## Z pewnej rozmowy rekrutacyjnej

Pytał sie mnie o to jaki miałem ostatnio task

Jak mu zacząłem mówić o Jenkinsie, to się pytał czy jestem devopsem XD



## Continuous Delivery Process

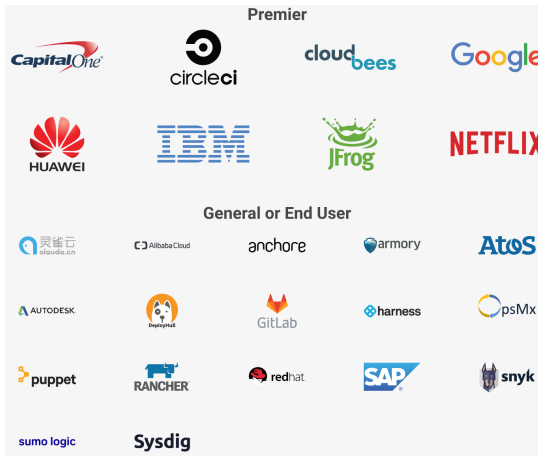


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<sup>1</sup><https://dzone.com/articles/jenkins-pipeline-for-continuous-delivery-and-deplo>

<sup>2</sup><https://www.slideshare.net/bhalothia/jenkins-a-complete-solution?related=2>

# Jenkins kto teraz za tym stoi - A New Home for Jenkins!



## Plan

- ▶ Bitbucket integration - two path
- ▶ ABC Jenkins Pipeline
- ▶ Multibranch Pipeline

# Environment

## ▶ Bitbucket

```
docker volume create --name bitbucketMeetupVolume
docker run \
  -v bitbucketMeetupVolume:/var/atlassian/application-data/bitbucket \
  --name=bitbucket -d -p 7990:7990 -p 7999:7999 \
  atlassian/bitbucket-server
```

## ▶ Jenkins<sup>3</sup>

```
java -jar jenkins.war
```

## ▶ Plugins



[Bitbucket Server Integration](#)

This plugin integrates [Bitbucket Server](#) with Jenkins.



[Bitbucket Server Notifier](#)

This plugin notifies a Bitbucket server of build results.

User-installed apps



Webhook to Jenkins for Bitbucket Server

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<sup>3</sup><https://www.jenkins.io/download/>



## Bitbucket integration - two path

- ▶ Path One: Hook + Notifier
- ▶ Path Two: Bitbucket Server Integration

# Pipeline

## ► How to start



### Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

```
http://{jenkins_host}:{jenkins_port}/job/{job_name}/pipeline-syntax/  
https://www.jenkins.io/doc/book/pipeline/
```

## ► Scripted vs Declarative Pipeline

## ► Edition

```
https://www.jenkins.io/doc/book/pipeline/development/
```

WYSIWYG

## ► Validation

```
ssh -l admin -p 8081 localhost declarative-linter < Jenkinsfile
```

## ► Troubleshooting

# Multibranch Pipeline



## Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

### Branch Sources

Git

Project Repository

Credentials

Behaviours

Discover branches

Property strategy

### Build Configuration

Mode

Script Path

## Pytania

Pytania?

Dziękuję!