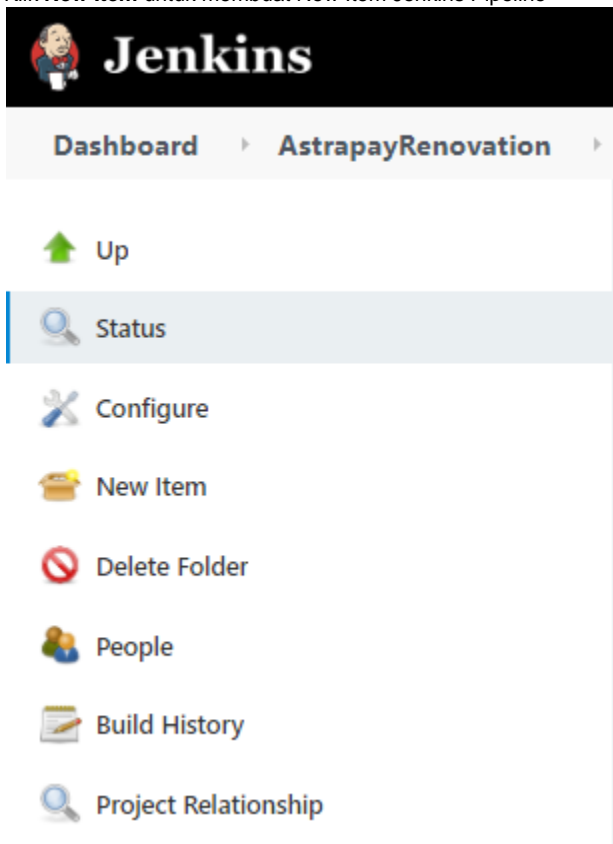


# How to create jenkins setup pipeline

## Instructions


1. Klik **New Item** untuk membuat New Item Jenkins Pipeline





2. Isi Halaman New Item


## Enter an item name


» Required field


**Freestyle project**  
 This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.


**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.


**Multi-configuration project**  
 Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.


**Bitbucket Team/Project**  
 Scans a Bitbucket Cloud Team (or Bitbucket Server Project) for all repositories matching some defined markers.


**Folder**  
 A container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a namespace, so you can have multiple things of the same name as long as they are in different folders.

- Item Name :
  - Format: <repo-name>-ci atau <repo-name>-cd
  - Contoh: authentication-service-ci atau authentication-service-cd
- Tipe Item: **Pipeline**

### 3. Centang Github Project

**General**
Office 365 Connector
 Build Triggers
 Advanced Project Options
 Pipeline

Jira site

☐ Discard old builds

☐ Do not allow concurrent builds

☐ Do not allow the pipeline to resume if the master restarts

☒ GitHub project

Project url

GitLab Connection

- Project URL: ( Link Repository Project Terkait )
  - contoh : <https://gitlab.com/astrapay-renovation/authentication-service/>
- Gitlab Connection : **GitlabCloudAstrapay**

### 4. Centang Build when a change is pushed to gitlab

General Office 365 Connector **Build Triggers** Advanced Project Options Pipeline

☐ Build after other projects are built

☐ Build periodically

☒ Build when a change is pushed to GitLab. GitLab webhook URL: <http://jenkins.astrapay.com/project/AstrapayRenovation/authentication-service-ci>

Enabled GitLab triggers

Push Events	
Push Events	<input checked="" type="checkbox"/>
Opened Merge Request Events	<input checked="" type="checkbox"/>
Accepted Merge Request Events	<input type="checkbox"/>
Closed Merge Request Events	<input type="checkbox"/>
Rebuild open Merge Requests	Never
Approved Merge Requests (EE-only)	<input checked="" type="checkbox"/>
Comments	<input checked="" type="checkbox"/>
Comment (regex) for triggering a build	Jenkins please retry a build

Advanced...

- Klik **Advance**

#### 5. Mengisi Allowed Branches dan Secret Token

General Office 365 Connector **Build Triggers** Advanced Project Options Pipeline

Build on successful pipeline events ☐

Pending build name for pipeline

Cancel pending merge request builds on update ☐

Allowed branches

☐ Allow all branches to trigger this job

☐ Filter branches by name

☒ Filter branches by regex

Source Branch Regex (daily/.\*)

Target Branch Regex

☐ Filter merge request by label

Secret token

eb4a735244e5bd61e92e646063ed8904

Generate

Clear

- Filter branches by regex
  - Source Branch Regex : (daily/.\*) => CI dan (master|release/.\*) => CD
- Klik **Generate** untuk mendapatkan **secret token**

#### 6. Mengisi Pipeline

General Office 365 Connector Build Triggers Advanced Project Options **Pipeline**

**Pipeline**

Definition

Pipeline script from SCM

SCM: Git

Repositories

Repository URL: git@gitlab.com:astrapay/astrapay-jenkins-pipeline.git

Credentials: git (Astrapay Gitlab SSH Key)

Branches to build

Branch Specifier (blank for 'any'): refs/tags/production

Repository browser: (Auto)

Additional Behaviours: Add

Script Path: astrapay-springboot/Jenkinsfile

Lightweight checkout: ☒

Save Apply

Pipeline Syntax

- Definition : **Pipeline Script From SCM**
- SCM : **GIT**
- Repositories
  - Repository URL : [git@gitlab.com:astrapay/astrapay-jenkins-pipeline.git](https://gitlab.com/astrapay/astrapay-jenkins-pipeline.git)
  - Credentials : **git (Astrapay Gitlab SSH Key)**
- Branch to build
  - Branch Specifier (blank for 'any') : **refs/tags/production**
- Script Path : **astrapay-springboot/Jenkinsfile**
- Klik **Save**

7. Menambahkan Webhook di Gitlab Repository project terkait.

Astrapay Renovation > authentication-service > Webhook Settings

**Webhooks**

Webhooks enable you to send notifications to web applications in response to events in a group or project. We recommend using an [integration](#) in preference to a webhook.

URI: https://jenkins-wh.astrapay.com/project/AstrapayRenovation/authentication-service-ci

URL must be percent-encoded if necessary.

Secret token: eb4a735244e5bd61e92e646063ed8904

Use this token to validate received payloads. It is sent with the request in the X-Gitlab-Token HTTP header.

Trigger

☒ **Push events**

Branch name or wildcard pattern to trigger on (leave blank for all)

URL is triggered by a push to the repository

☐ **Tag push events**

URL is triggered when a new tag is pushed to the repository

☐ **Comments**

URL is triggered when someone adds a comment

☐ **Confidential comments**

Add Webhook

- URL : <https://jenkins-wh.astrapay.com/project/<nama project>>
- Secret token : di isi dari hasil generate dari step no 5
- Centang Push Event
- Klik Add Webhook









8. Menambahkan User [devops.astrapay](#) ke project terkait

## Project members

You can invite a new member to **authentication-service** or invite another group.

Invite member	Invite group
<p>GitLab member or Email address</p> <input type="text"/>	
<p>Choose a role permission</p> <p>Guest</p> <p><a href="#">Read more</a> about role permissions</p>	
<p>Access expiration date</p> <p>Expiration date</p> <p>Invite Import</p>	

### Members 1

 devops			Account		
Account	Source	Access granted	Access expires	Max role	Expiration
 Devops Astrapay @devops.astrapay	Direct member	1 week ago by <a href="#">Audi Agung Pratama</a>	No expiration set	Maintainer	Expiration date  

## Related articles

### Content by label

There is no content with the specified labels

