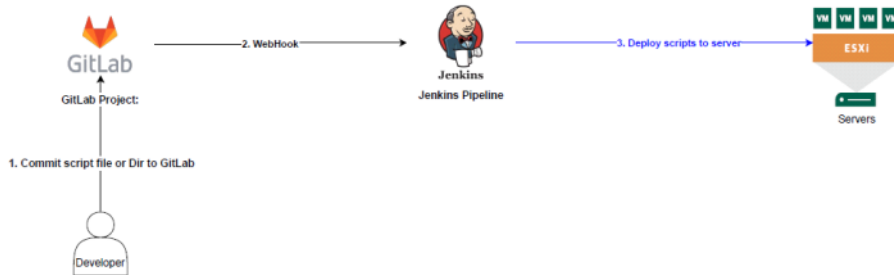# GitLab Webhook configure

Wednesday, May 3, 2023   3:20 PM

These step that you can follow if you want to configure a webhook trigger.

This workflow we will use pipeline to deploy directly instead of Ansible AWX
Pros: Reduce workload and traffic that will occur on daily midnight
Cons: Need to understand about Jenkins groovy pipeline

First step we need to allow outbound connection from GitLab to Jenkins server.

Reference Link: https://computingforgeeks.com/resolve-url-is-blocked-requests-to-the-local-network-are-not-allowed-gitlab-error/

Create API token for user that we will use to trigger on Jenkins server

Create Jenkins Job for execute & configure enable condition for receive build trigger in Jenkins job
URL: https://jenkins.bred-it-prod.ad.production.local/job/bakong_deploy_controlm_user_script_uat_AI.

Configure

Build Triggers

⚙ General

🔧 Advanced Project Options

╗ Pipeline

☐ Build after other projects are built ?

☐ Build periodically ?

☑ Build when a change is pushed to GitLab. GitLab webhook URL: https://jenkins.bred-it-prod.ad.production.local/project/bakong_deploy_controlm_user_script_uat_AI   ?

Configure GitLab to deliver a POST request to your Jenkins instance like GitLab CI.

(from **GitLab Plugin**)

Enabled GitLab triggers

☑ Push Events

☐ Push Events in case of branch delete

☐ Opened Merge Request Events

☐ Build only if new commits were pushed to Merge Request   ?

☑ Accepted Merge Request Events

☐ Closed Merge Request Events

Rebuild open Merge Requests

Never	✔

Configure Git repository and branch that pipeline will use.

Configure

Pipeline

⚙ General

🔧 Advanced Project Options

╗ Pipeline

Definition

Pipeline script from SCM	✔

SCM ?

Git	✔	?

Repositories ?

Repository URL ?   ✕

https://git.bred-it-prod.ad.production.local/AI/bakong_deploy_controlm_user_script_uat.git

Credentials ?

svc_jenkins	✔

Add ▾

Advanced ✔

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?   ✕

*/main

Create the WebHook on GitLab (https://plugins.jenkins.io/gitlab-plugin/)
URL: http://{JENKINS_USERID}:{USERID_TOKEN}@spjenkabitcslp1.bred-it-prod.ad.production.local:8080/project/bakong_deploy_controlm_user_script_uat_AI

Successfully result will return when configured.

Jenkins pipeline result when triggered.

Pipeline bakong_deploy_controlm_user_script_prd_AI

Stage View

	Declarative: Checkout SCM	List variable	Cleanup WorkSpace	Git Pull: PRD Branch	Transfer File: PRD Branch
Average stage times: (Average full run time: ~7s)	494ms	280ms	27ms	2s	2s
#5 Jul 14 15:05 1 commit	448ms	281ms	35ms	1s	2s
#4 Jul 14 15:02 1 commit	541ms	279ms	20ms	2s	2s

Dashboard > bakong_deploy_controlm_user_script_prd_AI > #5

Status

Build #5 (Jul 14, 2023, 3:05:55 PM)

Started by GitLab push by Pornpoj Mavongwon

Changes
1. A: When condition in PRD pipeline file (details)

Triggered by GitLab Webhook

Revision: 8b74a627fc14a0c7f5a0cf3ea235f6e9cc868e2c
Repository: git@git.bred-it.com:Openshift/jenkins-pipeline-utilities.git
- utilities-1.0.2

Revision: 478d210925b3e29d15c9f9635df07a1b4edfe1ae
Repository: https://git.bred-it-prod.ad.production.local/AI/bakong_deploy_controlm_user_script_uat.git
- refs/remotes/origin/PRD

Reference:

Jenkins Jobs:
https://jenkins.bred-it-prod.ad.production.local/job/bakong_deploy_controlm_user_script_uat_AI/
https://jenkins.bred-it-prod.ad.production.local/job/bakong_deploy_controlm_user_script_prd_AI/

GitLab Project: (Branches: UAT, PRD)
https://git.bred-it-prod.ad.production.local/AI/bakong_deploy_controlm_user_script_uat