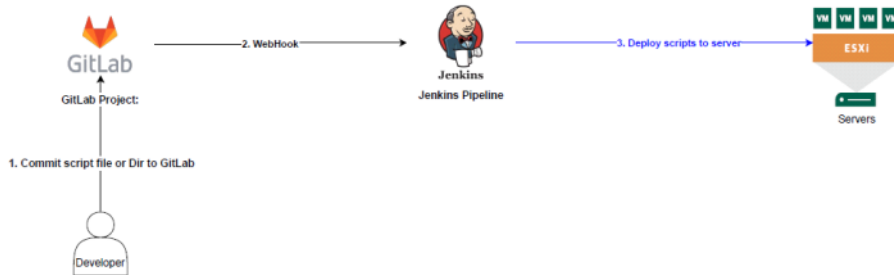


GitLab Webhook configure

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/>

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Outbound requests

Allow requests to the local network from hooks and services. [Learn more.](#)

☒ Allow requests to the local network from web hooks and services

☒ Allow requests to the local network from system hooks

Local IP addresses and domain names that hooks and services may access

10.25.2.26

<https://jenkins.bred-it-prod.ad.production.local/>

Requests to these domains and IP addresses are accessible to both system hooks and web hooks even when local requests are not allowed. IP ranges such as 1:0:0:0:0:0:0:124 and 127:0:0:0:0:0:0:28 are supported. Domain wildcards are not supported. To separate entries use commas, semicolons, or newlines. The allowlist can hold a maximum of 1000 entries. Domains must be IDNA encoded. [Learn more.](#)

☒ Enforce DNS rebinding attack protection

Resolve IP addresses once and uses them to submit requests.

Save changes

Protected paths

Rate limit access to specified paths. [Learn more.](#)

Expand

Issues Rate Limits

Limit the number of issues and epics per minute a user can create through web and API requests. [Learn more.](#)

Expand

Notes rate limit

Set the per-user rate limit for notes created by web or API requests. [Learn more.](#)

Expand

Users API rate limit

Set the per-user rate limit for getting a user by ID via the API. [Learn more.](#)

Expand

⏮ Collapse sidebar

git.bred-it-prod.ad.production.local/admin/application_settings/network

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Git LFS Rate Limits

Configure specific limits for Git LFS requests that supersede the general user and IP rate limits. [Learn more.](#) Expand

Outbound requests

Allow requests to the local network from hooks and services. [Learn more.](#) Collapse

- ☒ Allow requests to the local network from web hooks and services
- ☒ Allow requests to the local network from system hooks

Local IP addresses and domain names that hooks and services may access

http://spjenkabitcslp1.bred-it-prod.ad.production.local:8080

Requests to these domains and IP addresses are accessible to both system hooks and web hooks even when local requests are not allowed. IP ranges such as 10.0.0.0/24 and 127.0.0.1/28 are supported. Domain wildcards are not supported. To separate entries use commas, semicolons, or newlines. The allowlist can hold a maximum of 1000 entries. Domains must be IDNA encoded. [Learn more.](#)

- ☒ Enforce DNS rebinding attack protection
- Resolve IP addresses once and uses them to submit requests.

Save changes

Protected paths

Rate limit access to specified paths. [Learn more.](#) Expand

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

User 'svc_plt_gitlab' Configuration

jenkins.bred-it-prod.ad.production.local/user/svc_plt_gitlab/configure

OneDrive Projects - Dashboar... BredIT CITRIX Portal Dashboard [Jenkins] PALANS Red Hat Satellite - L... Login - Support BR... UAT: Nexus Reposit... Home | NetBox XWikiLogin (XWiki... DASHBOARD_GIT_A...

Jenkins Search (CTRL+K) svc_plt_gitlab log out

Dashboard > svc_plt_gitlab > Configure

People

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Configure

My Views

Credentials

Full Name ?

svc_plt_gitlab

Description ?

[Safe HTML] [Preview](#)

API Token

Current token(s) ?

svc_plt_gitlab

Created 21 day(s) ago Used 82 time(s), last time was 0 day(s) ago

Add new Token

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_A/

Configure

- General
- Advanced Project Options
- Pipeline

Build Triggers

- ☐ 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

- General
- Advanced Project Options
- Pipeline

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_AI

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://\[JENKINS_USERID\]:\[USERID_TOKEN\]@spjenkabitcsp1.bred-it-prod.ad.production.local:8080/project/bakong_deploy_controlm_user_script_uat_AI](http://[JENKINS_USERID]:[USERID_TOKEN]@spjenkabitcsp1.bred-it-prod.ad.production.local:8080/project/bakong_deploy_controlm_user_script_uat_AI)

Bakong Deploy Controlm ...

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AI - Bakong Deploy Controlm User Script Uat - Webhook Settings - Webhook

Hook executed successfully: HTTP 200

Search page

Webhook

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.

URL

http://svc_pit_gitlab:*****@spjenkabitscp1.bred-it-prod.ad.productio

URL must be percent-encoded if it contains one or more special characters.

Show full URL

Mask portions of URL

Do not show sensitive data such as tokens in the UI.

Sensitive portion of URL

svc_pit_gitlab

How it looks in the UI

JENKINS_USERID

Sensitive portion of URL

How it looks in the UI

USERID_TOKEN

+ Mask another portion of URL

URL preview

http://(JENKINS_USERID):(USERID_TOKEN)@spjenkabitscp1.bred-it-prod.ad.production.local:8080/

Secret token

Used to validate received payloads. Sent with the request in the X-Gitlab-Token HTTP header.

Trigger

Push events

All branches

Wildcard pattern

main

Wildcards such as *-stable or production/* are supported.

Regular expression

Tag push events

A new tag is pushed to the repository.

Comments

A comment is added to an issue or merge request.

« Collapse sidebar

Successfully result will return when configured.

Bakong Deploy Controlm ...

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Request details

POST http://*****@spjenkabitscp1.bred-it-prod.ad.production.local:8080/project/bakong_deploy_controlm_user_script_uat_AI

Completed in 0.03 seconds (12 minutes ago)

Response

200

Headers

Date: Tue, 04 Jul 2023 11:28:44 GMT

Connection: close

X-Content-Type-Options: nosniff

Server: Jetty(10.0.13)

Request

{
 "object_kind": "push",
 "event_name": "push",
 "before": "d832ba77a78daec376fcbad6742746b763119a6d",
 "after": "6e24095aa0c2de9621a5460af0500b510f8831bd",
 "ref": "refs/heads/main",
 "checkout_sha": "6e24095aa0c2de9621a5460af0500b510f8831bd",
 "message": null,
 "user_id": 282,
 "user_name": "Pornpoj Havongwon",
 "user_username": "BIT200433",
 "user_email": "",
 "user_avatar": null,
 "project_id": 750,
 "project": {
 "id": 750,
 "name": "Bakong Deploy Controlm User Script Uat",
 "description": null,
 "web_url": "https://git.bred-it-prod.ad.production.local/ai/bakong_deploy_controlm_user_script_uat",
 "avatar_url": null,
 "git_ssh_url": "git@bit.bred-it-prod.ad.production.local:AI/bakong_deploy_controlm_user_script_uat.git"
 }
}

Jenkins pipeline result when triggered.

Knowledge Page 4

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	↑ commit	448ms	281ms	35ms	1s	2s
#6 Jul 14 15:02	↑ commit	541ms	279ms	20ms	2s	2s

Search (CTRL+K)

Dashboard > bakong_deploy_controlm_user_script_prd_AI > #5

Status

</> Changes

Console Output

Edit Build Information

Delete build '#5'

Polling Log

Git Build Data

Git Build Data

Rebuild

Pipeline Configuration History

Splunk

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

Jenkins Jobs:

- https://jenkins.bred-it-prod.ad.production.local/job/bakong_deploy_controlm_user_script_uat/Al/
- https://jenkins.bred-it-prod.ad.production.local/job/bakong_deploy_controlm_user_script_prd/Al/

GitLab Project (Branches: UAT, PRD)

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