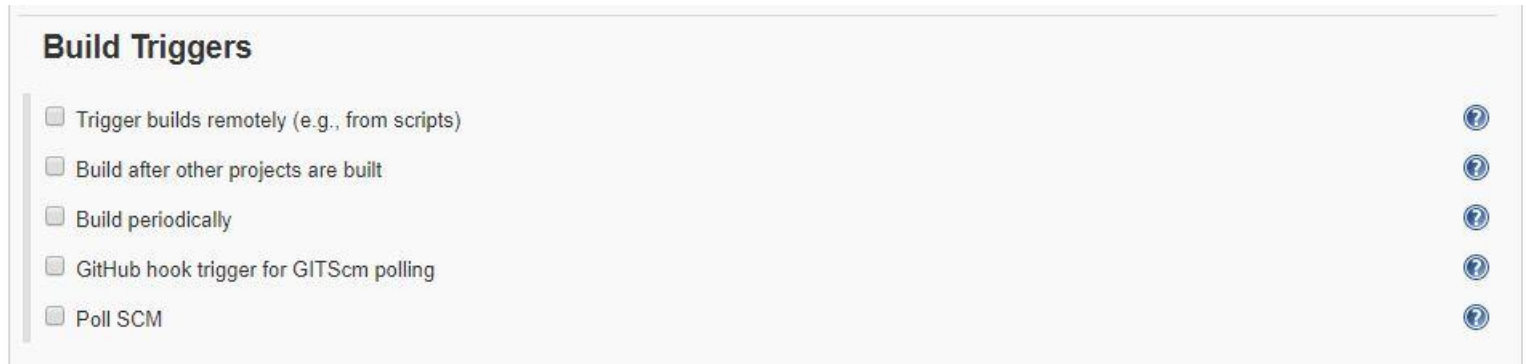


## Build Triggers or Scheduled build:

We can trigger build at particular time and at regularly at particular day for that we need to use the options “**Build Triggers**”



**Build Triggers**

- ☐ Trigger builds remotely (e.g., from scripts)
- ☐ Build after other projects are built
- ☐ Build periodically
- ☐ GitHub hook trigger for GITScm polling
- ☐ Poll SCM

**Build Periodically** – This option is used to schedule build at particular time daily or weekly basis.



**Build Triggers**

- ☐ Trigger builds remotely (e.g., from scripts)
- ☐ Build after other projects are built
- ☒ Build periodically


Schedule

No schedules so will never run

### Examples:

```
# every fifteen minutes (perhaps at :07, :22, :37, :52)
H/15 * * * * *
# every ten minutes in the first half of every hour (three times, perhaps at :04, :14, :24)
H(0-29)/10 * * * * *
# once every two hours at 45 minutes past the hour starting at 9:45 AM and finishing at 3:45 PM every weekday.
45 9-16/2 * * 1-5
# once in every two hours slot between 9 AM and 5 PM every weekday (perhaps at 10:38 AM, 12:38 PM, 2:38 PM, 4:38 PM)
H H(9-16)/2 * * 1-5
# once a day on the 1st and 15th of every month except December
H H 1,15 1-11 *
```

**Trigger builds remotely:** We can trigger in remote Jenkins.



**Build Triggers**

☒ Trigger builds remotely (e.g., from scripts)

Authentication Token

Use the following URL to trigger build remotely: JENKINS\_URL/job/Demo/build?token=TOKEN\_NAME or /buildWithParameters?token=TOKEN\_NAME  
Optionally append &cause=Cause+Text to provide text that will be included in the recorded build cause.

**Build after Projects are build:** We can trigger any build plan after another job/plan ran successfully.



**Build Triggers**

☐ Trigger builds remotely (e.g., from scripts) ?

☒ Build after other projects are built ?

Projects to watch   
**pipe**

☒ Trigger only if build is stable  
☐ Trigger even if the build is unstable  
☐ Trigger even if the build fails

**GITHUB hook triggers for GITScm polling:** Automatically trigger build build from webhooks in GIT.

**Poll SCM:** Check GIT branch every particular time (optional) and if it noticed any mentioned changes in webhooks it will trigger the build automatically

## What is webhook?

A **webhook** is an HTTP callback, an HTTP POST that occurs when something happens through a simple event-notification via HTTP POST. GitHub **webhooks in Jenkins** are used to trigger the build whenever a developer commits something to the Git branch.

## What is Poll SCM (Source Code Management)?

**Poll SCM** periodically **polls** the **SCM** to check whether changes were made (i.e. new commits) and builds the project if new commits where pushed since the last build, whereas build periodically builds the project periodically even if nothing has changed.

## Steps to Configure POLL SCM:

### Step1: Go to **git url>Settings> Webhooks**

Provide the details as below.

Webhooks / Manage webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL \*

http://18.234.198.63:8081/

Content type

application/json

Secret

Which events would you like to trigger this webhook?

☐ Just the push event.

☐ Send me everything.

☒ Let me select individual events.

☒ Let me select individual events.

☐ Check runs  
Check run is created, requested, rerequested, or completed.

☒ Commit comments  
Commit or diff commented on.

☐ Branch or tag deletion  
Branch or tag deleted.

☐ Deployments  
Repository deployed.

☐ Forks  
Repository forked.

☐ Issue comments  
Issue comment created, edited, or deleted.

☐ Check suites  
Check suite is requested, rerequested, or completed.

☐ Branch or tag creation  
Branch or tag created.

☐ Deploy keys  
A deploy key is created or deleted from a repository.

☐ Deployment statuses  
Deployment status updated from the API.

☐ Wiki  
Wiki page updated.

☐ Issues  
Issue opened, edited, deleted, transferred, pinned, unpinned, closed, reopened, assigned, unassigned, labeled, unlabeled, milestoned, demilestoned, locked, or unlocked.

Check the action that need to intimated in settings.

**Step 2:** Then configure poll SCM and webhook in Jenkins.

### Build Triggers

☐ Trigger builds remotely (e.g., from scripts)

?

☐ Build after other projects are built

?

☐ Build periodically

?

☒ GitHub hook trigger for GITScm polling

?

☒ Poll SCM

?

Schedule

?

H/3 \* \* \* \*

Would last have run at Monday, January 13, 2020 4:51:09 AM UTC; would next run at Monday, January 13, 2020 4:51:09 AM UTC.

☐ Ignore post-commit hooks

?

Now you can check by doing commit the build will trigger automatically.

Build History

trend

find

#8

(pending—In the quiet period. Expires in 3.3 sec)

#7

Jan 11, 2020 2:10 PM

#6

Jan 11, 2020 2:08 PM

Jenkins

Demo

#8

Back to Project

Status

Changes

Console Output

Edit Build Information

Delete build '#8'

Polling Log

Git Build Data

No Tags

Previous Build

Build #8 (Jan 13, 2020 4:57:08 AM)

Changes

1. test commit (details / githubweb)

Started by an SCM change

Revision: 4c24c0ed9702fc54d93a80182cc95a9a49e9d5bb

• refs/remotes/origin/master