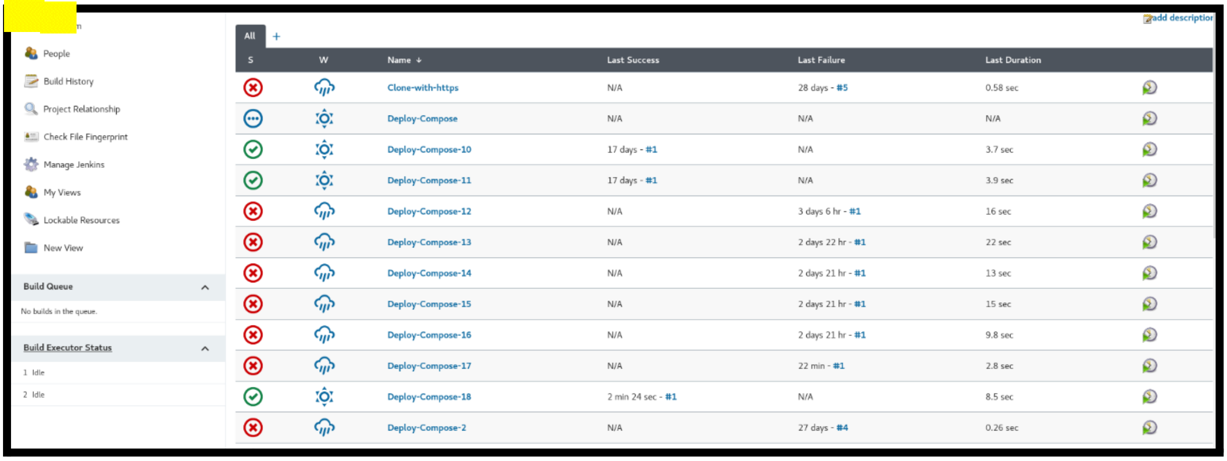
Step 1: Create a new Jenkins job via new item option



[redacted]

- People
- Build History
- Project Relationship
- Check File Fingerprint
- Manage Jenkins
- My Views
- Lockable Resources
- New View

Build Queue

No builds in the queue.

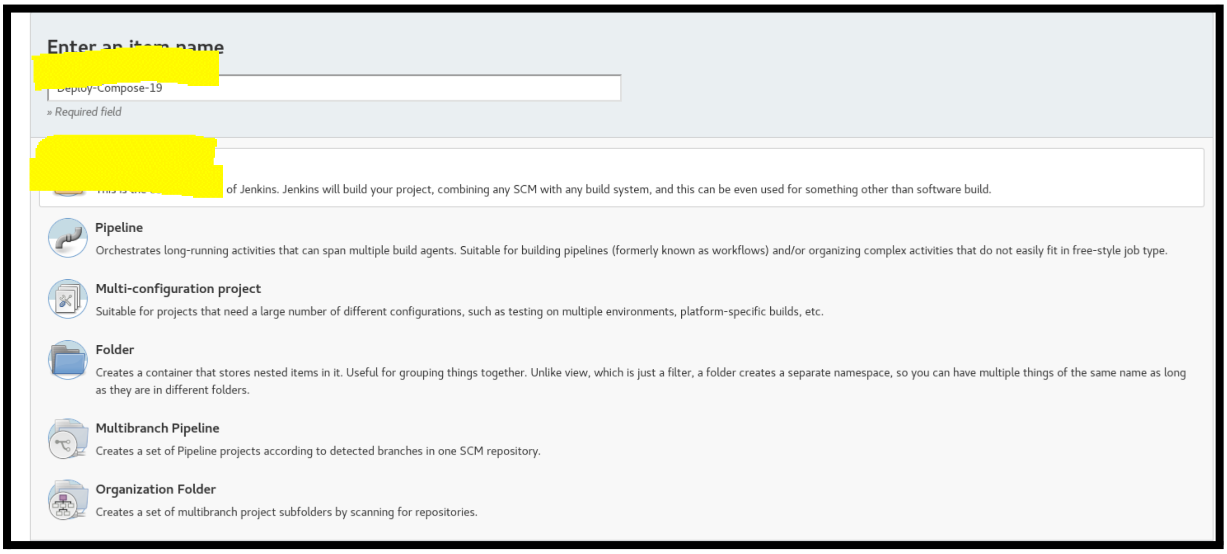
Build Executor Status

1 Idle

2 Idle

S	W	Name ↓	Last Success	Last Failure	Last Duration	
✗	🌧	Clone-with-https	N/A	28 days - #5	0.58 sec	▷
⋯	☀	Deploy-Compose	N/A	N/A	N/A	▷
✓	☀	Deploy-Compose-10	17 days - #1	N/A	3.7 sec	▷
✓	☀	Deploy-Compose-11	17 days - #1	N/A	3.9 sec	▷
✗	🌧	Deploy-Compose-12	N/A	3 days 6 hr - #1	16 sec	▷
✗	🌧	Deploy-Compose-13	N/A	2 days 22 hr - #1	22 sec	▷
✗	🌧	Deploy-Compose-14	N/A	2 days 21 hr - #1	13 sec	▷
✗	🌧	Deploy-Compose-15	N/A	2 days 21 hr - #1	15 sec	▷
✗	🌧	Deploy-Compose-16	N/A	2 days 21 hr - #1	9.8 sec	▷
✗	🌧	Deploy-Compose-17	N/A	22 min - #1	2.8 sec	▷
✓	☀	Deploy-Compose-18	2 min 24 sec - #1	N/A	8.5 sec	▷
✗	🌧	Deploy-Compose-2	N/A	27 days - #4	0.26 sec	▷

On the left-hand section of the dashboard page, click the option to create a new item and then enter a name you wish your project to be called and select an option, in this specific case I'm using the freestyle project option.



Enter an item name

[redacted]

Deploy-Compose-19

» Required field

[redacted] 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.

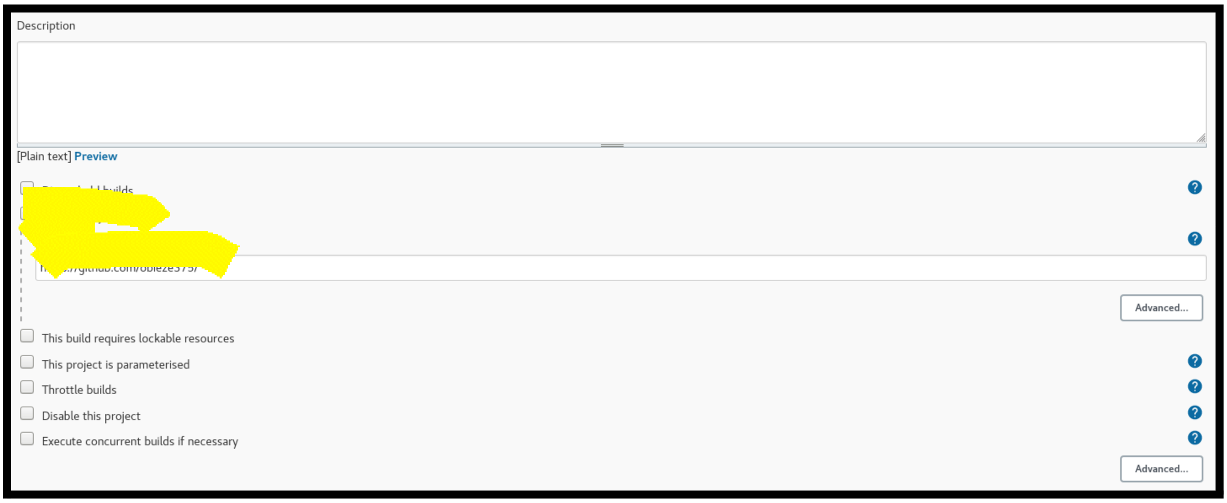
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

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

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

Organization Folder
Creates a set of multibranch project subfolders by scanning for repositories.

Step 2: Complete the general tab section



Description

[Plain text] Preview

[redacted]

Advanced...

□ This build requires lockable resources

□ This project is parameterised

□ Throttle builds

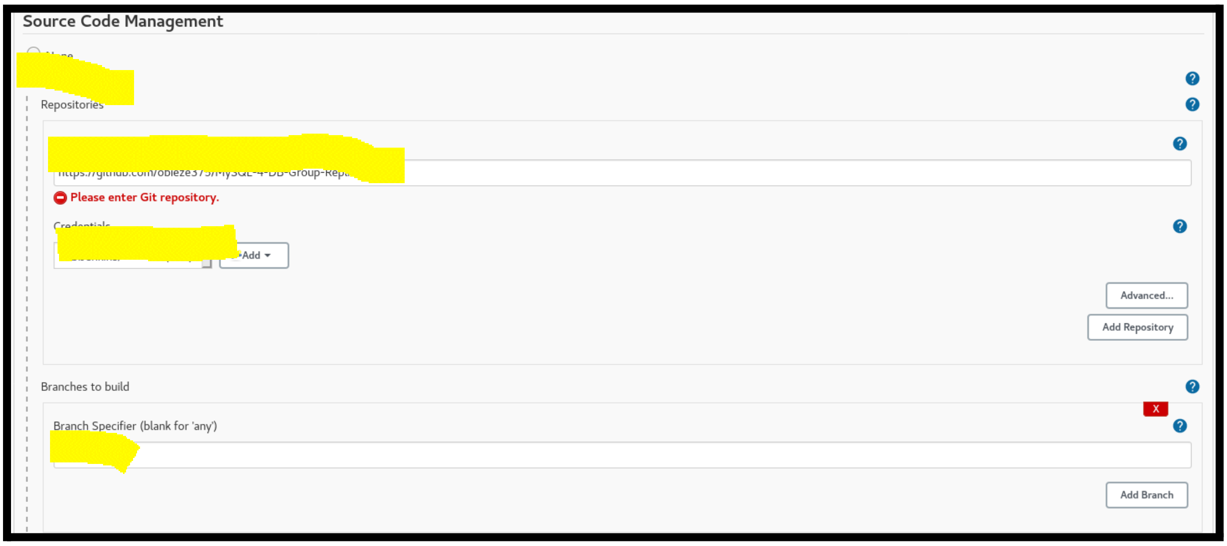
□ Disable this project

□ Execute concurrent builds if necessary

Advanced...

Under this section click the Github project option and enter the url of github project where the repo for compose code is stored

Step 3: Fill in the source code management



Source Code Management

[redacted]

Repositories

[redacted]

Please enter Git repository.

[redacted]

Add

Advanced...

Add Repository

Branches to build

X

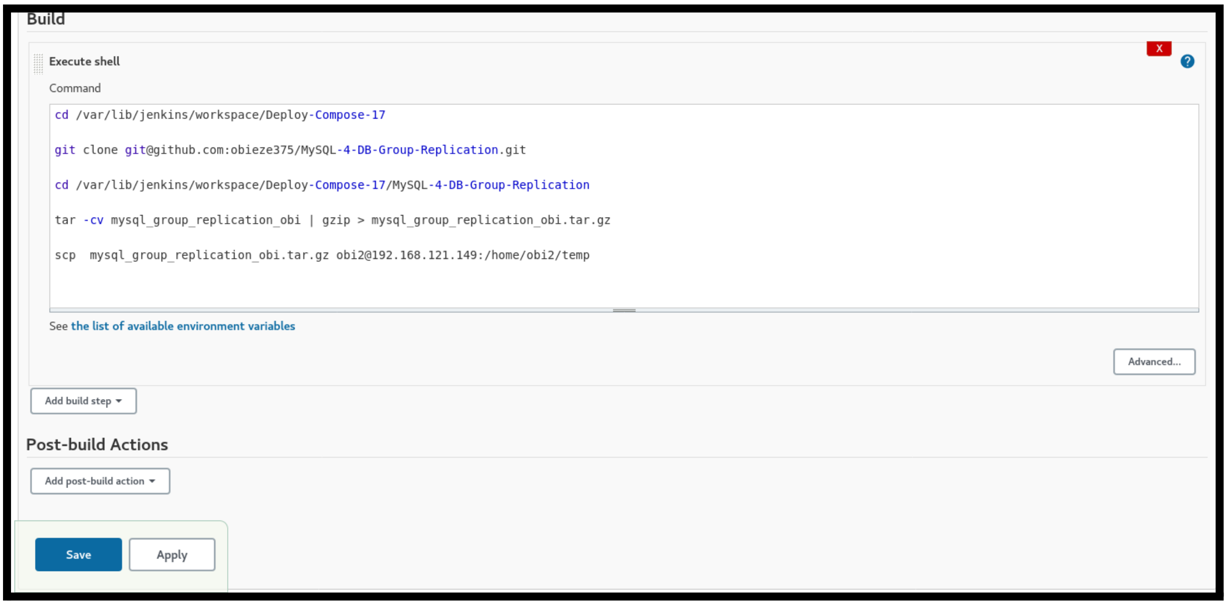
Branch Specifier (blank for 'any')

[redacted]

Add Branch

Select the git option and enter the repository url and choose a credential to use, and change the branch specifier to main

Step 4: Fill in the Build tab



```
cd /var/lib/jenkins/workspace/Deploy-Compose-17

git clone git@github.com:obieze375/MySQL-4-DB-Group-Replication.git

cd /var/lib/jenkins/workspace/Deploy-Compose-17/MySQL-4-DB-Group-Replication

tar -cv mysql_group_replication_obi | gzip > mysql_group_replication_obi.tar.gz

scp  mysql_group_replication_obi.tar.gz obi2@192.168.121.149:/home/obi2/temp
```

Click on the build step button and select the shell and enter the following build commands into the shell section:

```
cd /var/lib/jenkins/workspace/Deploy-Compose-17

git clone git@github.com:obieze375/MySQL-4-DB-Group-Replication.git

cd /var/lib/jenkins/workspace/Deploy-Compose-17/MySQL-4-DB-Group-Replication

tar -cv mysql_group_replication_obi | gzip > mysql_group_replication_obi.tar.gz

scp  mysql_group_replication_obi.tar.gz obi2@192.168.121.149:/home/obi2/temp
```