

Jenkins Pipeline Configuration for Laravel app

Last updated by | shakibesaib | Aug 15, 2023 at 1:04 PM GMT+6

1. Adding laravel app repository which is [https://dev.azure.com/fronturetech/Fronture ERP/_git/laravel-hello-world](https://dev.azure.com/fronturetech/Fronture%20ERP/_git/laravel-hello-world) to Source Code management.

Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

[https://fronturetech@dev.azure.com/fronturetech/Fronture%20ERP/_git/laravel-hello-world](#)

Credentials ?

shakibesaib/*****

Add ▾

2. Triggering Build after any changes to main source code

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 ?

* * * * *

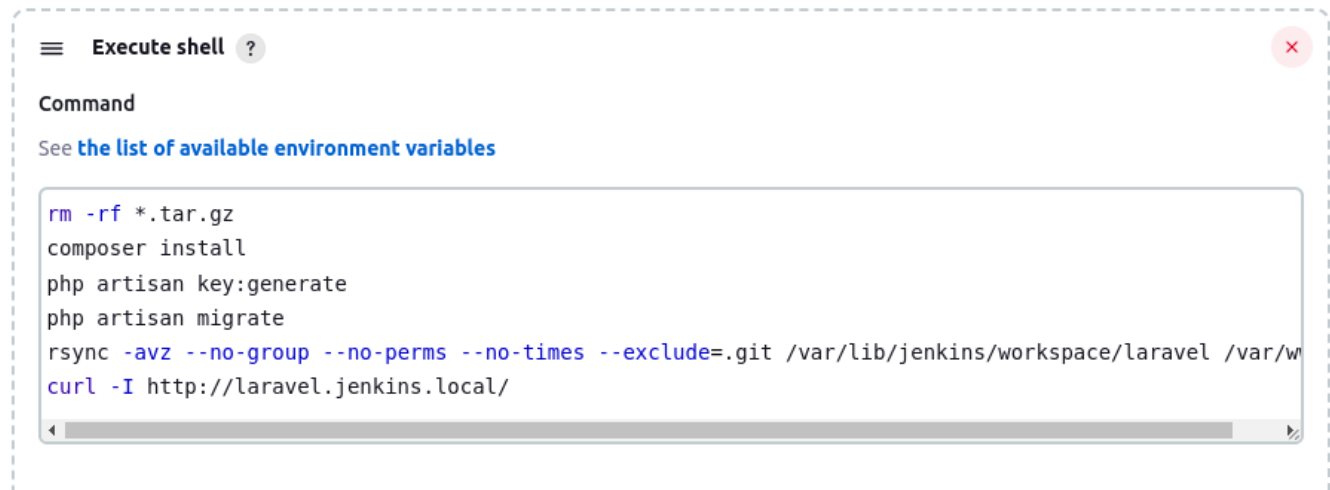
⚠ Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * *" to poll once per hour

Would last have run at Monday, August 14, 2023 at 3:52:48 PM Bangladesh Standard Time; would next run at Monday, August 14, 2023 at 3:52:48 PM Bangladesh Standard Time.

☐ Ignore post-commit hooks ?

3. Commands to build and deploy in apache

Build Steps



```
rm -rf *.tar.gz
composer install
php artisan key:generate
php artisan migrate
rsync -avz --no-group --no-perms --no-times --exclude=.git /var/lib/jenkins/workspace/laravel /var/www
curl -I http://laravel.jenkins.local/
```

rsync command:

-avz: These are three separate options combined together:

-a: Archive mode. This option is used to preserve the file attributes, permissions, ownership, timestamps, and other metadata of the files being copied. It's a convenient way to ensure that the destination files closely resemble the source files.

-v: Verbose mode. This option increases the verbosity of the output, providing more information about the files being transferred.

-z: Compress files during transfer. This option enables compression, which can reduce the amount of data transferred over the network.

--no-group: This option tells rsync not to attempt to set the group ownership of the copied files. It's used to avoid group-related permission issues when copying files.

--no-perms: This option prevents rsync from trying to set the permissions of the copied files based on the source. It's used to avoid permission-related issues.

--no-times: This option prevents rsync from setting the modification times of the copied files based on the source. It's used to avoid issues related to setting file timestamps.

--exclude: This option specifies a pattern of files or directories that should be excluded from the synchronization. In your command, it appears that you've specified --exclude without providing a pattern. You should follow --exclude with the specific pattern you want to exclude.

Putting it all together, the rsync command with these options is intended to copy files from one location to another while avoiding potential permission and timestamp issues. It's particularly useful when you want to ensure that the copied files are not affected by changes in group ownership, permissions, or timestamps that could cause problems in the destination location.

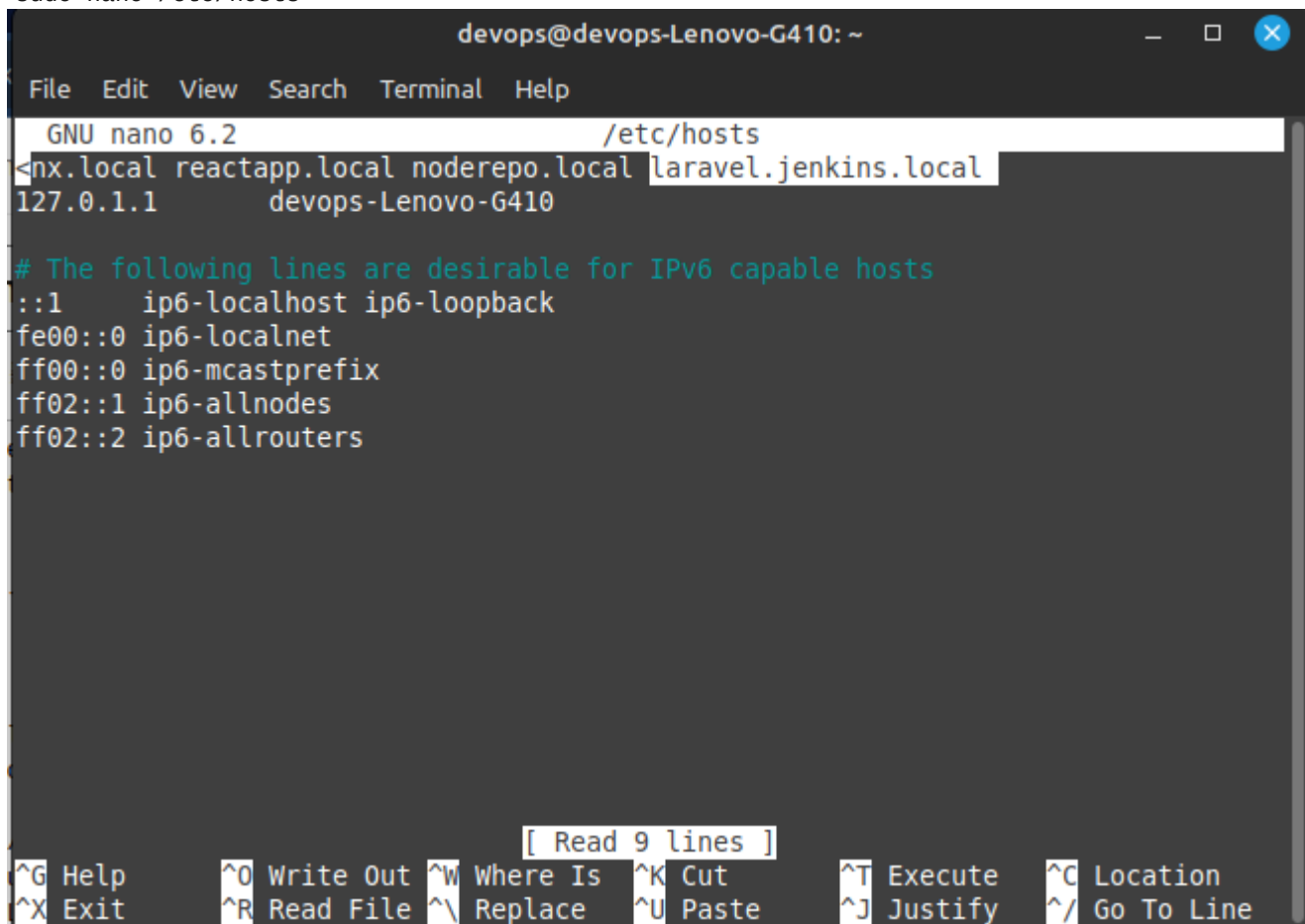
4. Apache Configuration :

```
sudo nano /etc/apache2/sites-available/laravel_jenkins.conf
```

```
<VirtualHost *:80>
#ServerAdmin admin@host_example
ServerName laravel.jenkins.local
#ServerAlias www.host_example
DocumentRoot /var/www/laravel/public
<Directory /var/www/laravel/public>
    Options Indexes FollowSymLinks
    AllowOverride All
    Require all granted
</Directory>
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

5. Host:

```
sudo nano /etc/hosts
```



```
devops@devops-Lenovo-G410: ~
File Edit View Search Terminal Help
GNU nano 6.2 /etc/hosts
127.0.0.1 localhost
127.0.1.1 devops-Lenovo-G410
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
[ Read 9 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```