

Fresh OS (Linux) and SubscriptionFlow Setup Guide

Linux Setup:

First you need to install LAMP stack and create a virtual host.

<https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mysql-php-lamp-stack-ubuntu-18-04>

For installing phpMyAdmin, visit the following link:

<https://www.digitalocean.com/community/tutorials/how-to-install-and-secure-phpmyadmin-on-ubuntu-20-04>

For installing composer, visit the following link:

<https://www.digitalocean.com/community/tutorials/how-to-install-and-use-composer-on-ubuntu-20-04>

SubscriptionFlow Setup:

Git:

After git installation, clone the project and pull latest code.

Under '/var/www/html' directory run the following commands:

- `sudo chown -R $USER:www-data /var/www/html`
- `git clone {ssh_key}`
- `git pull {develop.subscription}`

Branch Name:

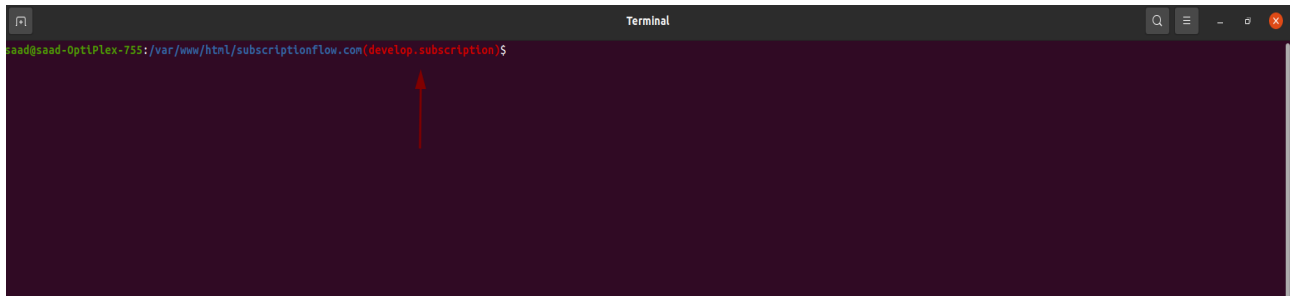
Open main terminal and run the following command:

- `sudo nano ~/.bashrc`

```
# =====  
  
# Show git branch name  
force_color_prompt=yes  
color_prompt=yes  
parse_git_branch() {  
    git branch 2> /dev/null | sed -e '/^[/d' -e 's/* \(.*)/(1)'  
}  
if [ "$color_prompt" = yes ]; then  
    PS1='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]u@h\[\033[00m\]:\[\033[01;34m\]w\[\033[01;31m\](parse_git_branch)\[\033[00m\]$ '  
else  
    PS1='${debian_chroot:+($debian_chroot)}u@h:w$(parse_git_branch)$ '  
fi  
unset color_prompt force_color_prompt  
  
# =====
```

Now execute the following command to display the name of the current branch:

- `source ~/.bashrc`



Required Software:

- **Redis Server**

Kindly visit the following link for installing Redis Server:

<https://www.digitalocean.com/community/tutorials/how-to-install-and-secure-redis-on-ubuntu-18-04>

- **Supervisor:**

Kindly visit the following link for installing supervisor:

<https://laravel.com/docs/8.x/queues#supervisor-configuration>

Supervisor configuration:

```
[program:laravel-worker]
process_name=%(program_name)s_%(process_num)02d
command=php /var/www/html/{project}/artisan horizon
autostart=true
autorestart=true
user=root
redirect_stderr=true
stdout_logfile=/var/www/html/{project}/horizon.log
stopwaitsecs=3600
```

Laravel Project Setup and Permissions:

Setup:

- First you need to create .env file for database configuration.
- Next step is to create 'cache' directory under 'bootstrap' directory.
- After that you need to install composer. Run the following command inside your project terminal:
composer install

Permissions:

- sudo setfacl -R -m u:\$USER:rwX Customizations
- sudo chown -R www-data:www-data Customizations
- sudo setfacl -R -d -m u:www-data:rwX,g:www-data:rwX Customizations
- sudo chown -R www-data:www-data config
- sudo setfacl -R -d -m u:www-data:rwX,g:www-data:rwX config
- sudo chown -R www-data:www-data Modules
- sudo setfacl -R -m u:\$USER:rwX Modules
- sudo setfacl -R -d -m u:www-data:rwX,g:www-data:rwX Modules
- sudo chown -R www-data:www-data storage
- sudo setfacl -R -m u:\$USER:rwX storage
- sudo setfacl -R -d -m u:www-data:rwX storage
- sudo chmod -R 777 bootstrap/cache
- sudo chmod -R 777 storage/logs
- sudo chmod -R 777 storage/framework
- sudo chmod 777 modules_statuses.json

All setup!! Execute the following commands to migrate database and seeders.

- php artisan migrate
- php artisan [db:seed](#)

SubscriptionFlow Developers Workflow:

New Ticket:

All tickets are assigned on Jira board. Following steps are followed to complete assigned tasks:

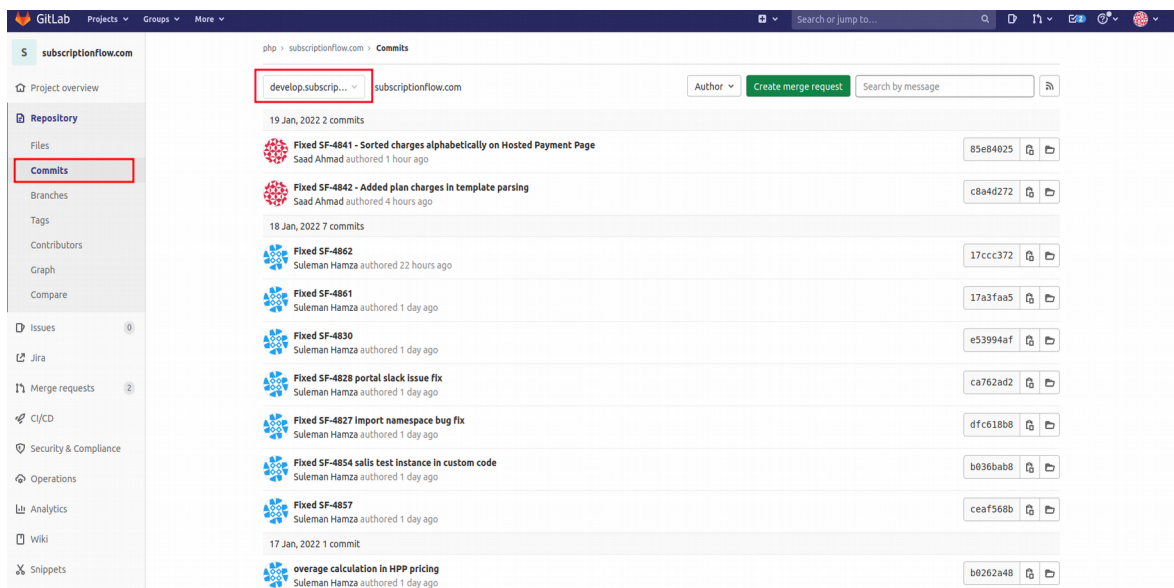
- At first, pull latest code from develop.subscription branch and create a new branch:

```
git pull origin develop.subscription  
git checkout -b tickets/{Ticket Number}
```

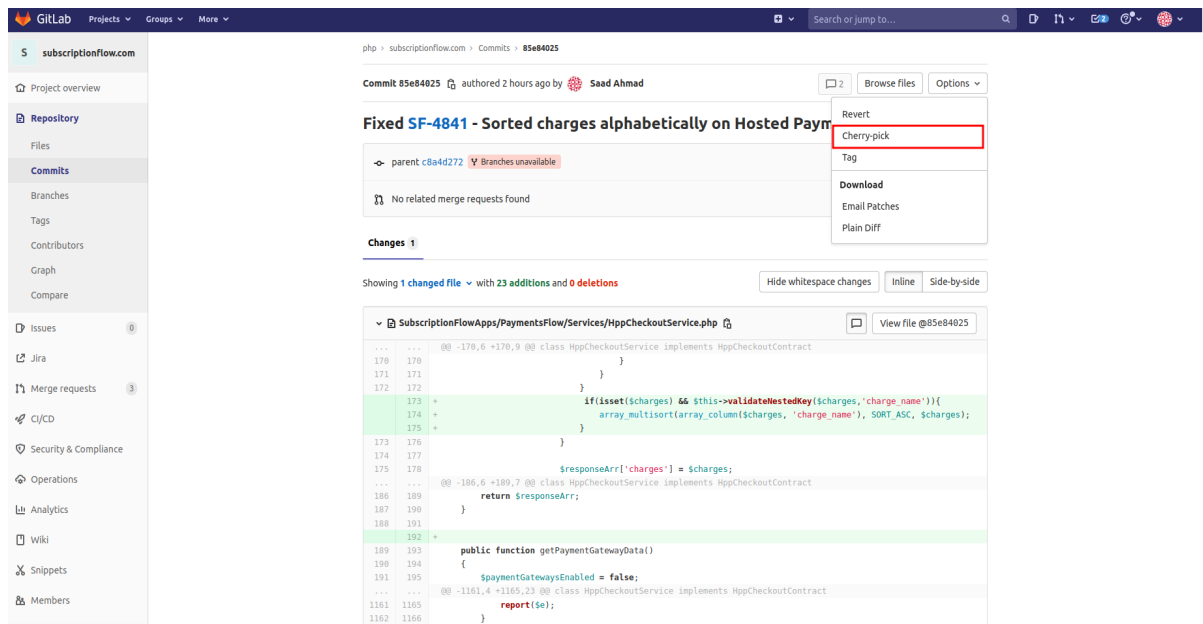
- Run the following commands after completing your assigned task:

```
git status  
git add . (To add all the files at one time or you can also add specific files)  
git commit -m "{A short description of the work you have done}"  
git checkout develop.subscription  
git merge tickets/{Ticket Number}  
git push
```

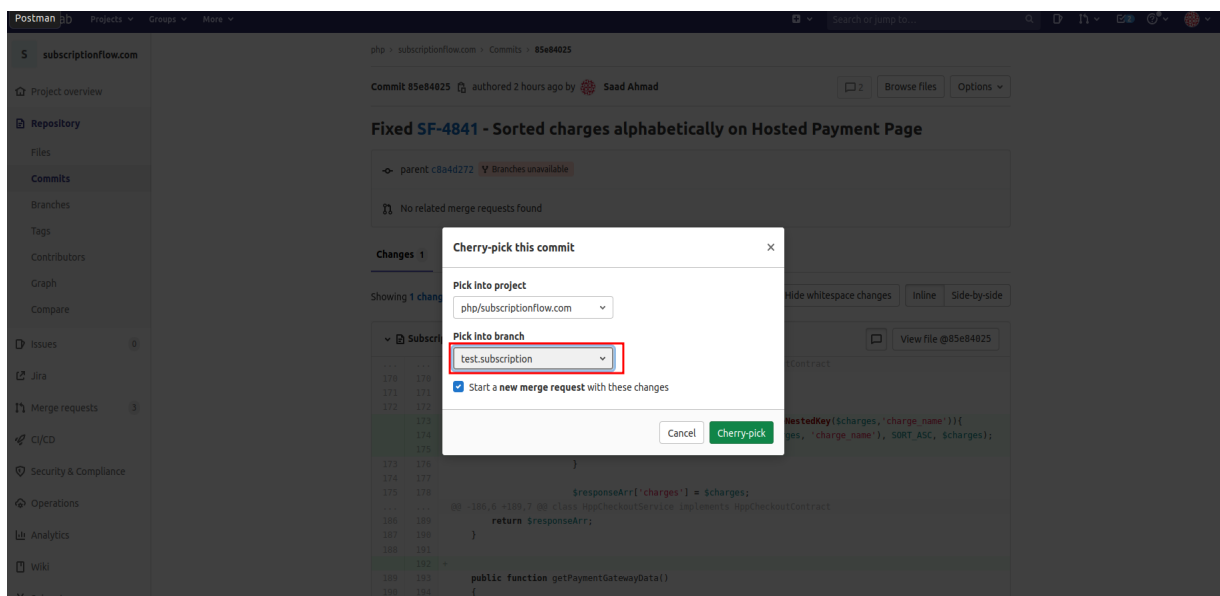
- Now test your work at <https://develop.subscriptionflow.com/> and fix if any changes are required.
- After complete testing, go to your GitLab and inside your project first select develop.subscription branch and click on commits as shown below:



- Open your commit and select cherry-pick your commit to “test.subscription”:



- Select “test.subscription” and click on “Cherry Pick” as shown below.



- After that assign it to your senior for review and click on “Merge” button.
- On Jira board assign the ticket to your senior for revision.

Revising Old Ticket:

- Create new branch with the name like {Old branch name}-v2
- After committing your changes, checkout to develop.subscription and merge your branch with develop.subscription

```
git merge {Old branch name}-v2  
git push
```

Merging commits in old merge request:

```
git checkout {merge_request_key}  
git cherry-pick {commit_ssh_key}  
git push
```