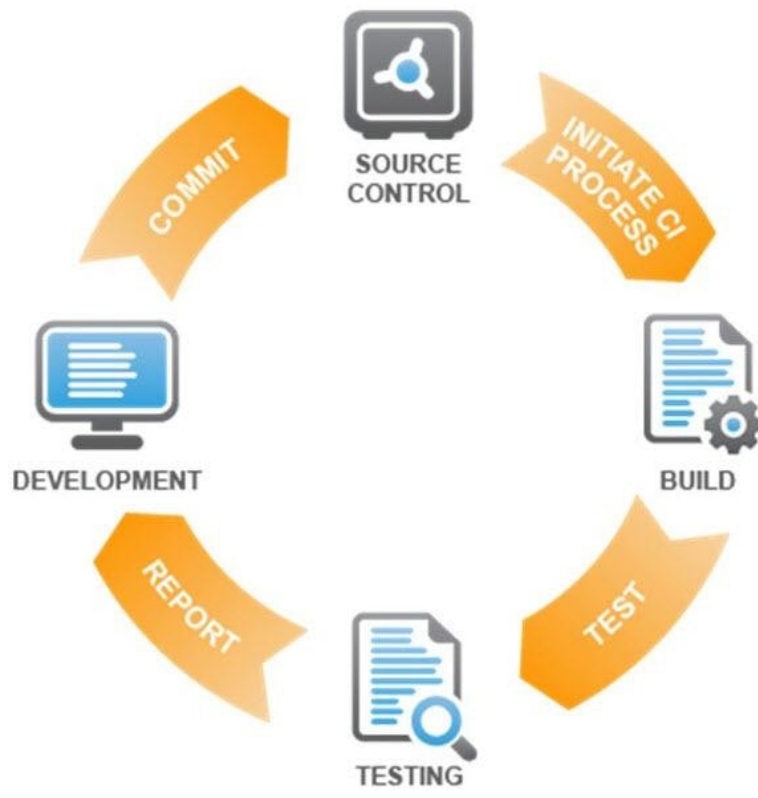


# CONTINUOUS INTEGRATION

## Introduction

Continuous integration focuses on integrating work from individual developers into a main repository multiple times a day to catch integration bugs early and accelerate collaborative development. Continuous delivery is concerned with reducing friction in the deployment or release process, automating the steps required to deploy a build so that code can be released safely at any time. Continuous deployment takes this one step further by automatically deploying each time a code change is made.



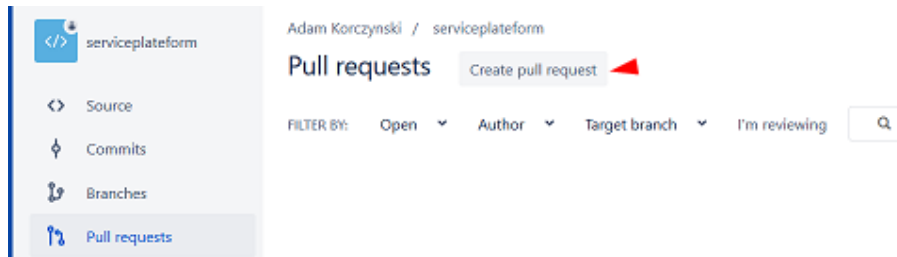
# CONTINUOUS INTEGRATION

After developing locally, all work need be pushed to dev branch. The CI system will receive the webhook from bitbucket and the server will deploy it.

Before you continue to master branch you need be sure your work is working correctly on the dev server.

<http://dev.service.warrzone.com/>

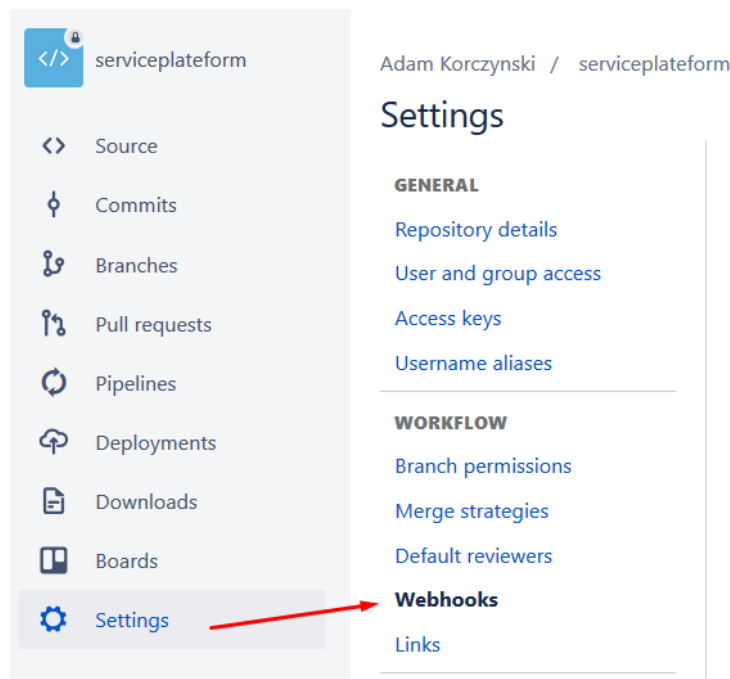
If all is correctly, you need create a pull merge request to master branch.



**BE CAREFUL**, all commit from all devs will be merged make sure all devs is ready to send to production server.

Where I can see a log?

- bitbucket -> settings -> webhook



Select the branch where you deploy.

Deplo to dev	<a href="http://deploy.service.warrzone.com/bitbucket-hook.php">http://deploy.service.warrzone.com/bitbucket-hook.php</a>	<a href="#">View requests</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
Deploy to Server	<a href="http://deploy.service.warrzone.com/bitbucket-hook.php">http://deploy.service.warrzone.com/bitbucket-hook.php</a>	<a href="#">View requests</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

# CONTINUOUS INTEGRATION

Click on 'View details' of the event:push on based time.

Event	Details	Actions
repo:push	7 hours ago 3970ms 200 ⓘ	<a href="#">View details</a>

Inside of this in the section 'Body' you will can see a complete log of the deployment server and if any errors occurred it will be displayed there.

## Body

```
2018.06.17 06:02:23 *** repo:push #fd5472f6-4e17-4482-8bdd-86c197caa0a4 (Bitbucket-Webhooks/2.0)
2018.06.17 06:02:23 remote addr: 104.192.142.195
2018.06.17 06:02:23 Valid payload was received
2018.06.17 06:02:23 INIT fetchParams
2018.06.17 06:02:23 END fetchParams
2018.06.17 06:02:23 repoPath: /home/warrzone/www/serviceplatform_branchs/serviceplatform.git
2018.06.17 06:02:23 BRANCHES: Array
(
    [0] => dev
)

2018.06.17 06:02:23 INIT fetchRepository
2018.06.17 06:02:23 Fetching repository 'adamkorcz/serviceplatform'
2018.06.17 06:02:23 cmd: cd /home/warrzone/www/serviceplatform_branchs/serviceplatform.git && git fetch
2018.06.17 06:02:25 END fetchRepository
2018.06.17 06:02:25 START checkoutProject
2018.06.17 06:02:25 cmd: cd /home/warrzone/www/serviceplatform_branchs/serviceplatform.git && GIT_WORK_TREE=
2018.06.17 06:02:25 EXEC CMD: cp /home/warrzone/www/serviceplatform_deploy/.env_dev /home/warrzone/www/serv
2018.06.17 06:02:25 EXEC CMD: export COMPOSER_HOME='/home/warrzone/www/serviceplatform_deploy/.config/composer' && cd /home/warrzone/www/serviceplat
2018.06.17 06:02:26 EXEC CMD: cd /home/warrzone/www/serviceplatform_dev && php72 artisan migrate
2018.06.17 06:02:26 EXEC CMD: export COMPOSER_HOME='/home/warrzone/www/serviceplatform_deploy/.config/composer' && cd /home/warrzone/www/serviceplat
2018.06.17 06:02:27 cmd: cd /home/warrzone/www/serviceplatform_branchs/serviceplatform.git && git rev-par
2018.06.17 06:02:27 Branch 'dev' was deployed in '/home/warrzone/www/serviceplatform_dev', commit #5590da4
2018.06.17 06:02:27 END checkoutProject
```

If in the deployment appears an error/conflicts, you need fix it locally and push again to dev.

If bitbucket doesn't show all log on the body, you can download the fully log from:

<http://deploy.service.warrzone.com/bitbucket.log>

*What commands will be executed during deployment?*

- `cp /serviceplatform_deploy/$env_name $deploy_path/.env`
  - the configuration file is copied on every deployment, its to avoid errors if the folder was be deleted.
- composer install
  - install new dependencies.
- php artisan migrate
  - migrate all modification for database.
- composer dumpautoload
  - clean vendor autoload to ensure all links are correctly setted.