

Part information

1. Amazon Web Service Development:

<https://ap-southeast-2.console.aws.amazon.com>

- Account ID or alias: **496386547450**
- IAM user name: **GEM**
- Password: **Vj3B22\$!2dx**

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

<<

1 to 18 of 18

>>

<input type="checkbox"/>	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
<input type="checkbox"/>	PARtsDB Console Production	i-09a572d6a70bf4f78	m4.xlarge	ap-southeast-2a	running	2/2 checks ...	OK	ec2-52-63-28-66.ap-sou...	52.63.28.66	-	PARtsDB
<input checked="" type="checkbox"/>	DB server new - 21092017	i-0eae532651b850e3c	m4.2xlarge	ap-southeast-2a	running	2/2 checks ...	None	ec2-13-210-80-175.ap-s...	13.210.80.175	-	magento
<input type="checkbox"/>	PARtsDB B2 Production	i-0f400fb060e0dc26	m4.xlarge	ap-southeast-2a	running	2/2 checks ...	None	ec2-52-63-36-123.ap-so...	52.63.36.123	-	PARts_B
<input type="checkbox"/>	CI	i-20b2cd0d	t2.medium	ap-southeast-2a	running	2/2 checks ...	None	ec2-52-62-121-132.ap-s...	52.62.121.132	-	magento
<input checked="" type="checkbox"/>	GEM-Staging-Magento-New	i-2846b533	m4.xlarge	ap-southeast-2a	running	2/2 checks ...	None	ec2-52-63-166-209.ap-s...	52.63.166.209	-	magento
<input type="checkbox"/>	PARtsB2 - MTQES	i-bcdd2aa7	m4.xlarge	ap-southeast-2a	running	2/2 checks ...	OK	ec2-52-64-147-105.ap-s...	52.64.147.105	-	PARtsB2
<input checked="" type="checkbox"/>	BX application	i-c30675ee	m4.xlarge	ap-southeast-2a	running	2/2 checks ...	None	ec2-52-63-100-174.ap-s...	52.63.100.174	-	magento
<input type="checkbox"/>	PARts Image API	i-d749490b	m4.large	ap-southeast-2a	running	2/2 checks ...	None	ec2-54-153-204-244.ap-...	54.153.204.244	-	enform
<input type="checkbox"/>	PARts Image App - NEW Instance	i-098ff29e	t2.medium	ap-southeast-2a	stopped		None	-	-	-	PARtsIm
<input type="checkbox"/>	GEM-BackupManager	i-116f193c	t2.micro	ap-southeast-2a	stopped		None	-	-	-	backupt
<input type="checkbox"/>	DB server	i-15116238	m4.2xlarge	ap-southeast-2a	stopped		None	-	-	-	magento
<input type="checkbox"/>	PARtsDB B2 Sites	i-57184c12	m4.large	ap-southeast-2a	stopped		None	-	-	-	magento
<input type="checkbox"/>	PARts Image App	i-6bct3656	m1.medium	ap-southeast-2b	stopped		None	-	-	-	enform
<input type="checkbox"/>	GEM staging server	i-993e9da2	m4.xlarge	ap-southeast-2a	stopped		None	-	-	-	magento
<input type="checkbox"/>	PARtsDB Main Database	i-a73561e2	m4.2xlarge	ap-southeast-2a	stopped		None	-	-	-	magento
<input type="checkbox"/>	Windows Desktop in Sydney	i-ab6099b0	t2.micro	ap-southeast-2a	stopped		None	-	-	-	magento
<input type="checkbox"/>	PARtsDB Online/Console/Web Services	i-de184c9b	m4.large	ap-southeast-2a	stopped		None	ec2-52-64-150-107.ap-s...	52.64.150.107	-	magento
<input type="checkbox"/>	ImageApp-DEV	i-ec144cd2	t2.micro	ap-southeast-2a	stopped		None	-	-	-	enform

- ***There are 3 main EC2 instances:***

- For production:

1. EC2 instance for Application:

- + Name: ***BX application***
- + Public IP: ***52.63.100.174***
- + Private IP: ***172.30.0.52***
- + Access: ***ssh -i magento.pem centos@52.63.100.174***
(Use ***sudo -i*** to switch to root user)

2. EC2 instance for Database and Solr:

- + Name: ***DB server new - 21092017***
- + Public IP: ***13.210.80.175***
- + Private IP: ***172.30.0.162***
- + Access: ***ssh -i magento.pem centos@13.210.80.175***
(Use ***sudo -i*** to switch to root user)

- For staging:

3. EC2 instance for staging server:

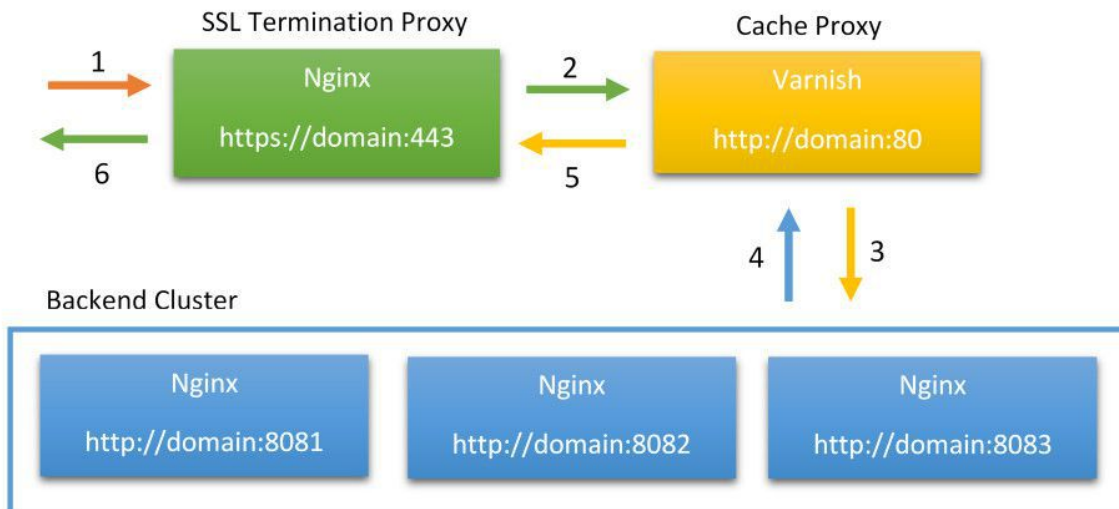
- + Name: ***GEM-Staging-Magento-New***
- + Public IP: ***52.63.166.209***
- + Private IP: ***172.30.0.44***
- + Access: ***ssh -i magento.pem centos@52.63.166.209***
(Use ***sudo -i*** to switch to root user)

+ Access to each site in staging server:

- Mrt:
ssh -i mage4_mrt.pem mage4@52.63.166.209
- Fulcrum:
ssh -i mage5_fulcrum.pem mage5@52.63.166.209
- Fis:
ssh -i mage7_fis.pem mage7@52.63.166.209

2. Server Detail:

A. Production Server: ([Confluence link](#))



- **Some important configurations:**

I. Cron-job:

To view all current cron-job on the production server, access to the server (**ssh -i magento.pem centos@52.63.100.174**) and switch to **root** user (**sudo -i**) then list all cron-job (**crontab -l**)

```
root@ip-172-30-0-52 ~# crontab -l
* * * * * cd /srv/www/aisin && ./sync_data_pro.sh >> ./sync_log/sync_log `date +%M%M%H%d%l%m%Y`.log 2>&1
*/5 0-11,19-23 * * * cd /srv/www/aisin && sudo docker exec -i aisin_app_1 ./bin/magento cron:run >/dev/null 2>&1
*/30 0-11,19-23 * * * cd /srv/www/aisin && sudo bash healthy_check.sh >/dev/null 2>&1
0 14 * * * cd /srv/www/fis && ./sync_data_pro.sh >> ./sync_log/sync_log `date +%M%M%H%d%l%m%Y`.log 2>&1
*/5 0-11,19-23 * * * cd /srv/www/fis && sudo docker exec -i fis_app_1 ./bin/magento cron:run >/dev/null 2>&1
*/5 0-11,19-23 * * * cd /srv/www/fis && sudo bash healthy_check.sh >/dev/null 2>&1
*/5 0-11,19-23 * * * cd /srv/www/fis && chown -R root:root inventory_upload/ && chmod -R 777 inventory_upload/ && sudo docker exec -i fis_app_1 ./bin/magento fis:import-data >> ./import_data/import_data_log `date +%M%M%H%d%l%m%Y`.log 2>&1
0 0-11,19-23 * * * cd /srv/www/fis && sudo docker exec -i fis_app_1 ./bin/magento indexer:reindex >> ./reindex_log/reindex_data_log `date +%M%M%H%d%l%m%Y`.log 2>&1
*/5 * * * * cd /srv/www/mrt && ./background_pro.sh >/dev/null 2>&1
*/5 0-11,19-23 * * * cd /srv/www/mrt && sudo bash healthy_check.sh >/dev/null 2>&1
*/15 * * * * cd /srv/www/moto && ./sync_data_pro.sh >> ./sync_log/sync_log `date +%M%M%H%d%l%m%Y`.log 2>&1
*/5 0-11,19-23 * * * cd /srv/www/moto && sudo bash healthy_check.sh >/dev/null 2>&1
0 0 * * * /root/delete_log_files.sh >/dev/null 2>&1
0 0 * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:queue >/dev/null 2>&1
*/5 * * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:send >/dev/null 2>&1
*/5 * * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:coupon >/dev/null 2>&1
0 * * * * rm -rf /srv/www/mrt/pub/media/captcha/base/*
#ULCRUM
0 15 * * * cd /srv/www/fulcrum && ./sync_data_pro.sh >> ./sync_log/sync_log `date +%M%M%H%d%l%m%Y`.log 2>&1
*/5 0-11,19-23 * * * cd /srv/www/fulcrum && sudo bash healthy_check.sh >/dev/null 2>&1
root@ip-172-30-0-52 ~#
```

+ Cron-job for Fis:

. Synchronize data:

```
10 14 * * * cd /srv/www/fis && ./sync_data_pro.sh >> ./sync_log/sync_log `date +%M%M%H%d%l%m%Y`.log 2>&1
```

. Run magento cron:

```
*/30 0-11,19-23 * * * cd /srv/www/fis && sudo docker exec -i fis_app_1 ./bin/magento cron:run >/dev/null 2>&1
```

. Healthy check:

```
*/5 0-11,19-23 * * * cd /srv/www/fis && sudo bash healthy_check.sh >/dev/null 2>&1
```

. Upload inventory:

```
30 0-11,19-23 * * * cd /srv/www/fis && chown -R root:root inventory_upload/ && chmod -R 777 inventory_upload/ && sudo docker exec -i fis_app_1 ./bin/magento fis:import-data >> ./import_data/import_data_log `date +%M%M%H%d%l%m%Y`.log 2>&1
```

. Reindex data:

```
0 0-11,19-23 * * * cd /srv/www/fis && sudo docker exec -i fis_app_1 ./bin/magento indexer:reindex >> ./reindex_log/reindex_data_log `date +%M%M%H%d%l%m%Y`.log 2>&1
```

+ Cron-job for Mrt:

. Synchronize data:

```
30 14 * * * cd /srv/www/mrt && ./sync_data_pro.sh >> ./sync_log/sync_log_`date +%M%M%H%d%m%Y`.log 2>&1
```

. Background pro:

```
*/5 * * * * cd /srv/www/mrt && ./background_pro.sh >/dev/null 2>&1
```

. Healthy check:

```
*/5 0-11,19-23 * * * cd /srv/www/mrt && sudo bash healthy_check.sh >/dev/null 2>&1
```

. Cart abandoned:

```
*/5 * * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:queue >/dev/null 2>&1
```

```
*/5 * * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:send >/dev/null 2>&1
```

```
*/5 * * * * cd /srv/www/mrt && sudo docker exec -i mrt_app_1 php ./bin/magento cart:abandoned:coupon >/dev/null 2>&1
```

. Captcha remove:

```
0 * * * * rm -rf /srv/www/mrt/pub/media/captcha/base/*
```

+ Cron-job for Fulcrum:

. Synchronize data:

```
30 15 * * * cd /srv/www/fulcrum && ./sync_data_pro.sh >> ./sync_log/sync_log_`date +%M%M%H%d%m%Y`.log 2>&1
```

. Healthy check:

```
*/5 0-11,19-23 * * * cd /srv/www/fulcrum && sudo bash healthy_check.sh >/dev/null 2>&1
```

II. Docker

- How to restart docker container

cd /root/gem-docker

```
[root@ip-172-30-0-52 gem-docker]# cd /root/gem-docker/
[root@ip-172-30-0-52 gem-docker]# ll
total 4
drwxr-xr-x 3 root root  44 31 Th03  2017 aisin
drwxr-xr-x 5 root root 4096 02:12 26 Th07 fis
drwxr-xr-x 2 root root  31 30 Th11  2016 fulcrum
drwxr-xr-x 2 root root 155 18 Th11  2016 moto
drwxr-xr-x 2 root root  31  8 Th09  2016 mrt
drwxr-xr-x 2 root root  31  7 Th09  2016 tjm
[root@ip-172-30-0-52 gem-docker]#
```

- Docker for fis:

cd /root/gem-docker/fis

```
[root@ip-172-30-0-52 fis]# cd /root/gem-docker/fis/
[root@ip-172-30-0-52 fis]# ll
total 36
drwxr-xr-x 2 root root  22 20 Th03  2017 composer
drwxr-xr-x 3 root root  21 20 Th03  2017 config
-rw-r--r-- 1 root root 299 20 Th03  2017 docker-compose.yml
-rw-r--r-- 1 root root 179 19 Th12  2016 docker-compose.yml.bak
-rwxr-xr-x 1 root root 810 10 Th03  2017 Dockerfile
-rwxr-xr-x 1 root root 5299 10 Th03  2017 dotdeb.gpg
-rw-r--r-- 1 root root  76 10 Th03  2017 dump.rdb
-rwxr-xr-x 1 root root 1075 10 Th03  2017 LICENSE
drwxr-xr-x 2 root root  25 17:52  5 Th10 nginx_conf
-rw-r--r-- 1 root root  533 10 Th03  2017 README.md
-rwxr-xr-x 1 root root  199 10 Th03  2017 start.sh
[root@ip-172-30-0-52 fis]#
```

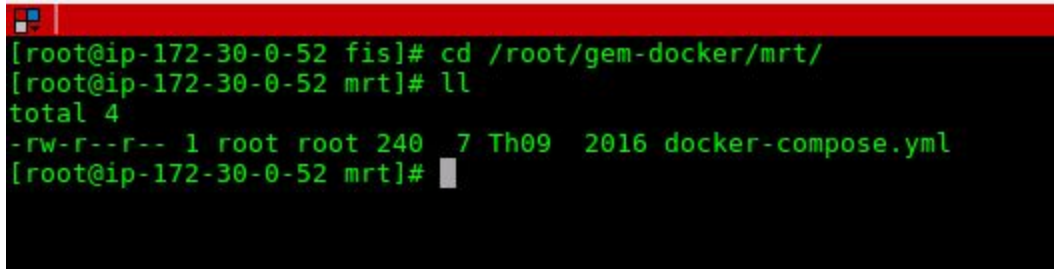
To restart docker container:

docker-compose stop

docker-compose up -d

- Docker for mrt:

cd /root/gem-docker/mrt/



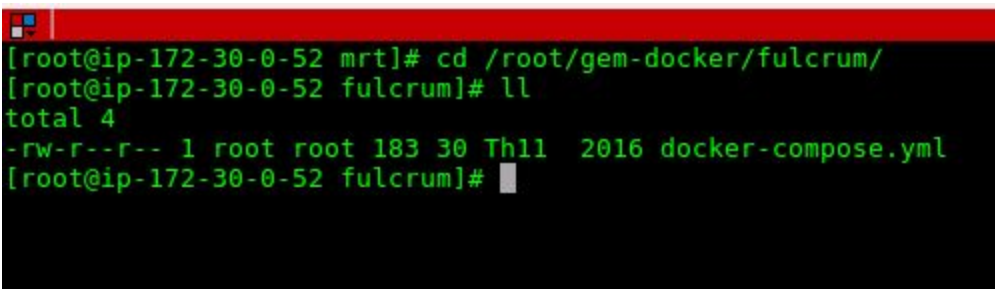
```
[root@ip-172-30-0-52 fis]# cd /root/gem-docker/mrt/
[root@ip-172-30-0-52 mrt]# ll
total 4
-rw-r--r-- 1 root root 240  7 Th09  2016 docker-compose.yml
[root@ip-172-30-0-52 mrt]#
```

To restart docker container:

docker-compose stop
docker-compose up -d

- Docker for fulcrum:

cd /root/gem-docker/fulcrum/



```
[root@ip-172-30-0-52 mrt]# cd /root/gem-docker/fulcrum/
[root@ip-172-30-0-52 fulcrum]# ll
total 4
-rw-r--r-- 1 root root 183 30 Th11  2016 docker-compose.yml
[root@ip-172-30-0-52 fulcrum]#
```

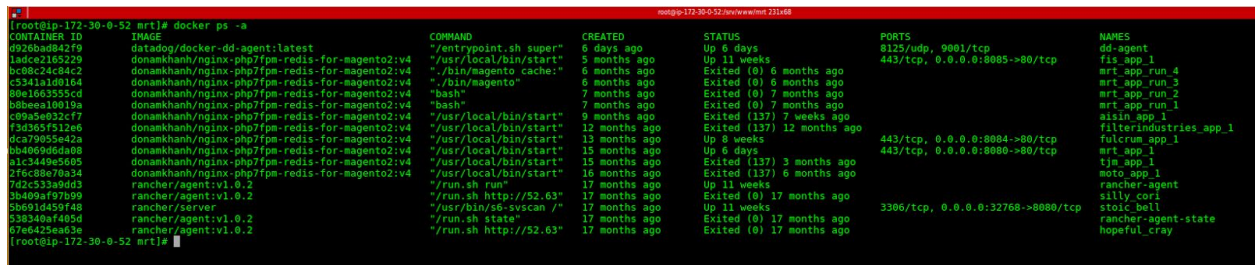
To restart docker container:

docker-compose stop
docker-compose up -d

(Please notice that DO NOT use: **docker-compose down**
Because it will destroy all configuration inside container)

- Some useful commands for docker
- List all container:

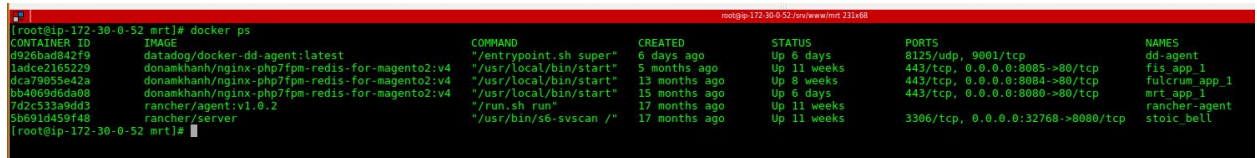
docker ps -a



CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
4926bad842f9	datadog/docker-dd-agent:latest	"/entrypoint.sh super"	6 days ago	Up 6 days	8125/udp, 9001/tcp	dd-agent
1adce2165229	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	5 months ago	Up 11 weeks	443/tcp, 0.0.0.0:8085->80/tcp	fis_app_1
6c808c24c84c2	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/cache:"	6 months ago	Exited (0) 6 months ago		mrt_app_run_4
3341a189164	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/bin/magento"	6 months ago	Exited (0) 6 months ago		mrt_app_run_3
80e1663555cd	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"bash"	7 months ago	Exited (0) 7 months ago		mrt_app_run_2
888eeaa18019a	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"bash"	7 months ago	Exited (0) 7 months ago		mrt_app_run_1
399a9e92c1f7	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	9 months ago	Exited (137) 7 weeks ago		aisin_app_1
f36365f512e6	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	12 months ago	Exited (137) 12 months ago		filterindustries_app_1
dca79055e42a	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	13 months ago	Up 8 weeks	443/tcp, 0.0.0.0:8084->80/tcp	fulcrum_app_1
6b40696dda08	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	15 months ago	Up 6 days	443/tcp, 0.0.0.0:8080->80/tcp	mrt_app_1
11c344e9e05	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	15 months ago	Exited (137) 3 months ago		tjm_app_1
216c80e77034	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	16 months ago	Exited (137) 6 months ago		moto_app_1
7d2c533a9dd3	ancher/agent:v1.0.2	"/run.sh run"	17 months ago	Up 11 weeks		ancher-agent
38409af97099	ancher/agent:v1.0.2	"/run.sh http://52.63"	17 months ago	Exited (0) 17 months ago		silly_cori
5b691d459f48	ancher/server	"/usr/bin/s6-svscan /"	17 months ago	Up 11 weeks	3306/tcp, 0.0.0.0:32768->8080/tcp	stolc_bell
538340af405d	ancher/agent:v1.0.2	"/run.sh state"	17 months ago	Exited (0) 17 months ago		ancher-agent-state
67e6425eae3e	ancher/agent:v1.0.2	"/run.sh http://52.63"	17 months ago	Exited (0) 17 months ago		hopeful_cray

- List all running container:

docker ps



CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
4926bad842f9	datadog/docker-dd-agent:latest	"/entrypoint.sh super"	6 days ago	Up 6 days	8125/udp, 9001/tcp	dd-agent
1adce2165229	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	5 months ago	Up 11 weeks	443/tcp, 0.0.0.0:8085->80/tcp	fis_app_1
dca79055e42a	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	13 months ago	Up 8 weeks	443/tcp, 0.0.0.0:8084->80/tcp	fulcrum_app_1
6b40696dda08	donamkhanh/nginx-php7fpm-redis-for-magento2:v4	"/usr/local/bin/start"	15 months ago	Up 6 days	443/tcp, 0.0.0.0:8080->80/tcp	mrt_app_1
7d2c533a9dd3	ancher/agent:v1.0.2	"/run.sh run"	17 months ago	Up 11 weeks		ancher-agent
5b691d459f48	ancher/server	"/usr/bin/s6-svscan /"	17 months ago	Up 11 weeks	3306/tcp, 0.0.0.0:32768->8080/tcp	stolc_bell

- Jump inside a container:
- + For Fis:
docker exec -it fis_app_1 /bin/bash
- + For Mrt:
docker exec -it mrt_app_1 /bin/bash
- + For Ful:
docker exec -it fulcrum_app_1 /bin/bash

III. Deploy code

Normally, code is automation deployed via Jenkins when a pull request is approved and merged. But sometime, that process is fail because connection time out or some other exception, so we need to manual deploy code.

- Automatic deploy by Jenkins:

*Code will be deployed when pull request is approved and merged in **Bitbucket**. Login to **Jenkins** to view process log to see if the deployment is success or fail.*

- Url: <http://52.62.121.132:8080/login>
- User: admin
- Password: 0d0995339f3e4e24bfb7224037802a1d

- Manual deployment:

If automation deployment is fail, must access to the server and manual deploy.

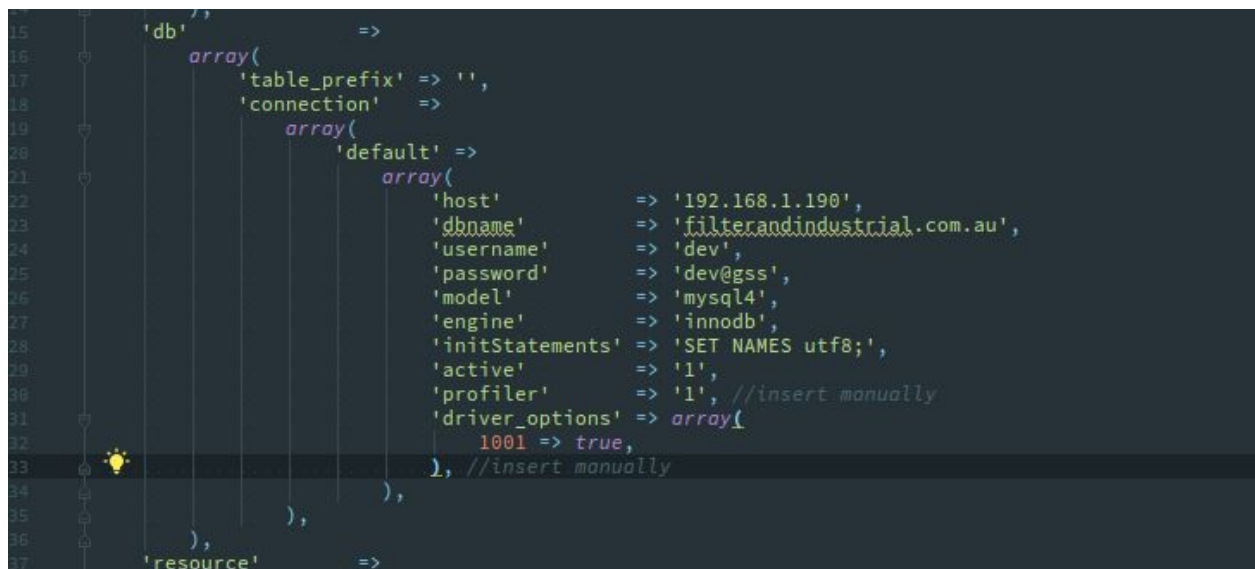
- Access to the server as root user:
ssh -i magento.pem centos@52.63.100.174
sudo -i
- Go to document root folder of the site which you want to manual deploy code and run file **deploy.sh**
- + For Fis project:
cd /srv/www/fis
./deploy.sh
- + For Fulcrum project:
cd /srv/www/fulcrum
./deploy.sh
- + For Mrt project:
cd /srv/www/mrt
./deploy.sh

IV. Sync data

Normally, Synchronize process will auto run every night according cron-job configuration. If there is any error when auto sync, you can manual sync by run file **sync_data_pro.sh** (for production) at document root of each project.

- + For Fis project:
cd /srv/www/fis
./sync_data_pro.sh
- + For Fulcrum project:
cd /srv/www/fulcrum
./sync_data_pro.sh
- + For Mrt project:
cd /srv/www/mrt
./sync_data_pro.sh

IMPORTANT: add the code as image below to the env.php to allow load data from csv to the database



```
15     'db' =>  
16     array(  
17         'table_prefix' => '',  
18         'connection' =>  
19             array(  
20                 'default' =>  
21                     array(  
22                         'host' => '192.168.1.190',  
23                         'dbname' => 'filterandindustrial.com.au',  
24                         'username' => 'dev',  
25                         'password' => 'dev@gss',  
26                         'model' => 'mysql4',  
27                         'engine' => 'innodb',  
28                         'initStatements' => 'SET NAMES utf8;',  
29                         'active' => '1',  
30                         'profiler' => '1', //insert manually  
31                         'driver_options' => array(  
32                             1001 => true,  
33                             //insert manually  
34                         ),  
35                     ),  
36                 ),  
37         'resource' =>
```

(Note: for staging and local , please run file: **sync_data_dev.sh**)

V. Monitoring

Currently we will use DataDog as monitoring system for server:

<https://app.datadoghq.com/account/login>

- Email: **donamkhanh@gmail.com**
- Password: **WrUnzvE83S6?!VzF**

VII. Solr

- Solr version: **6.1.0**

- Run following commands:

```
cat vendor/partsbx/core/src/module-partsbx-solr/conf/managed-schema | sudo su solr -c \"tee  
/var/solr/data/${1}/conf/managed-schema\"
```

```
sudo service solr restart
```