Useful Magento CLI commands

DOWNLOAD MAGENTO

composer create-project --repository-url=https://repo.magento.com/
magento/project-community-edition=2.2.7 .

INSTALL MAGENTO

bin/magento setup:install --base-url=http://127.0.0.1/magento/ \
--db-host=localhost --db-name=magento --db-user=root --db-password=root@123 \
--admin-firstname=Joy --admin-lastname=Codilar --admin-email=joy@codilar.com \
--admin-user=admin --admin-password=admin@123

CREATE ADMIN USER

bin/magento admin:user:create --admin-user="admin" --admin-password="admin@123"
--admin-email="joy@codilar.com" --admin-firstname="Admin" --admin-lastname="Admin"

CHANGE BASE URL

bin/magento setup:store-config:set --base-url="http://magento.com/"
bin/magento setup:store-config:set --base-url-secure="https://magento.com/"

UPGRADE CODE (keep generated files)

bin/magento setup:upgrade -vvv --keep-generated && chmod -R 777 var/ pub/ generated/ &&
chown -R www-data .

DEVELOPER DEPLOYMENT

```
echo ------------------------STARTING------------------------ && echo Upgrading... && bin/magento
setup:upgrade >var/log/developer_deployment.log && echo Deploying... && bin/magento
setup:static-content:deploy --jobs=100 -vvv -f >var/log/developer_deployment.log
2>var/log/developer_deployment.log && echo Giving_permissions... && chmod -R 777 var/ pub/
generated/ >var/log/developer_deployment.log && chown -R www-data .
>var/log/developer_deployment.log && echo ------------------------DONE------------------------
```

PRODUCTION DEPLOYMENT

```
echo ------------------------STARTING------------------------ && echo Upgrading... && bin/magento
setup:upgrade >var/log/developer_deployment.log && echo Deploying... && bin/magento
deploy:mode:set production -vvv  >var/log/developer_deployment.log
2>var/log/developer_deployment.log && echo Giving_permissions... && chmod -R 777 var/ pub/
generated/ >var/log/developer_deployment.log && chown -R www-data .
>var/log/developer_deployment.log && echo ------------------------DONE------------------------
```

PRODUCTION DEPLOYMENT (skip compilation)

```
echo ------------------------STARTING------------------------ && echo Upgrading... && bin/magento
setup:upgrade >var/log/developer_deployment.log && echo Deploying... && bin/magento
setup:static-content:deploy --jobs=100 -vvv -f >var/log/developer_deployment.log
2>var/log/developer_deployment.log && bin/magento deploy:mode:set production -s && echo
Giving_permissions... && chmod -R 777 var/ pub/ generated/
>var/log/developer_deployment.log && chown -R www-data .
>var/log/developer_deployment.log && echo ------------------------DONE------------------------
```

CLOUD DEPLOYMENT FROM STAGING TO PRODUCTION

1. **STAGING SERVER:** mysqldump --single-transaction -h 127.0.0.1 -u uname_stg -p dbname_stg > pub/media/db_13_09_2021.sql

2. **PRODUCTION SERVER:**
   a. cd var && mkdir -p db_backup && cd db_backup
   b. wget https://staging.website.com/media/db_13_09_2021.sql
   c. cd ../../
   d. mysql -h 127.0.0.1 -u uname_stg -p dbname_stg
   e. DROP DATABASE dbname_stg;
   f. CREATE DATABASE dbname_stg;
   g. USE dbname_stg;
   h. SOURCE var/db_backup/db_13_09_2021.sql;
   i. CREATE OR REPLACE VIEW `inventory_stock_1` AS select distinct `legacy_stock_status`.`product_id` AS `product_id`, `legacy_stock_status`.`website_id` AS `website_id`, `legacy_stock_status`.`stock_id` AS `stock_id`, `legacy_stock_status`.`qty` AS `quantity`, `legacy_stock_status`.`stock_status` AS `is_salable`, `product`.`sku` AS `sku` from (`cataloginventory_stock_status` `legacy_stock_status` join `catalog_product_entity` `product` on ((`legacy_stock_status`.`product_id` = `product`.`entity_id`)));
   j. EXIT;
   k. bin/magento indexer:reindex
   l. bin/magento app:config:import
   m. bin/magento setup:store-config:set --base-url="https://website.com/"
   n. bin/magento setup:store-config:set --base-url-secure="https://website.com/"
   o. **OPEN BACKEND:**
      i. Stores > Configuration > Advanced > System > Full Page Cache
      ii. Caching Application - SET TO FASTLY
      iii. Set the fastly service ID and Token (cat /mnt/shared/fastly_tokens.txt)
      iv. Save
      v. Upload VCL to Fastly

3. **STAGING SERVER:**
   a. cd pub/media && rm db_13_09_2021.sql
   b. tar -czvf media_13_09_2021.tar.gz *

4. **PRODUCTION SERVER:**
   a. cd pub/media
   b. wget https://staging.website.com/media/media_13_09_2021.tar.gz
   c. tar -xzvf media_13_09_2021.tar.gz