Making Your Life Easier with the Magento 2 CLI

@mbalparda - #MageTitansIT

Miguel Balparda

- ✈ Full time traveller
- 💪 Magento Master 2016
- 🔊 Meet Magento Speaker
- 👷 Top 4% Magento StackExchange
- 📖 Magento Certified Solution Specialist
- 🍔 BBQ Certified Solution Specialist
- ▯ Magento 2 community gatekeeper

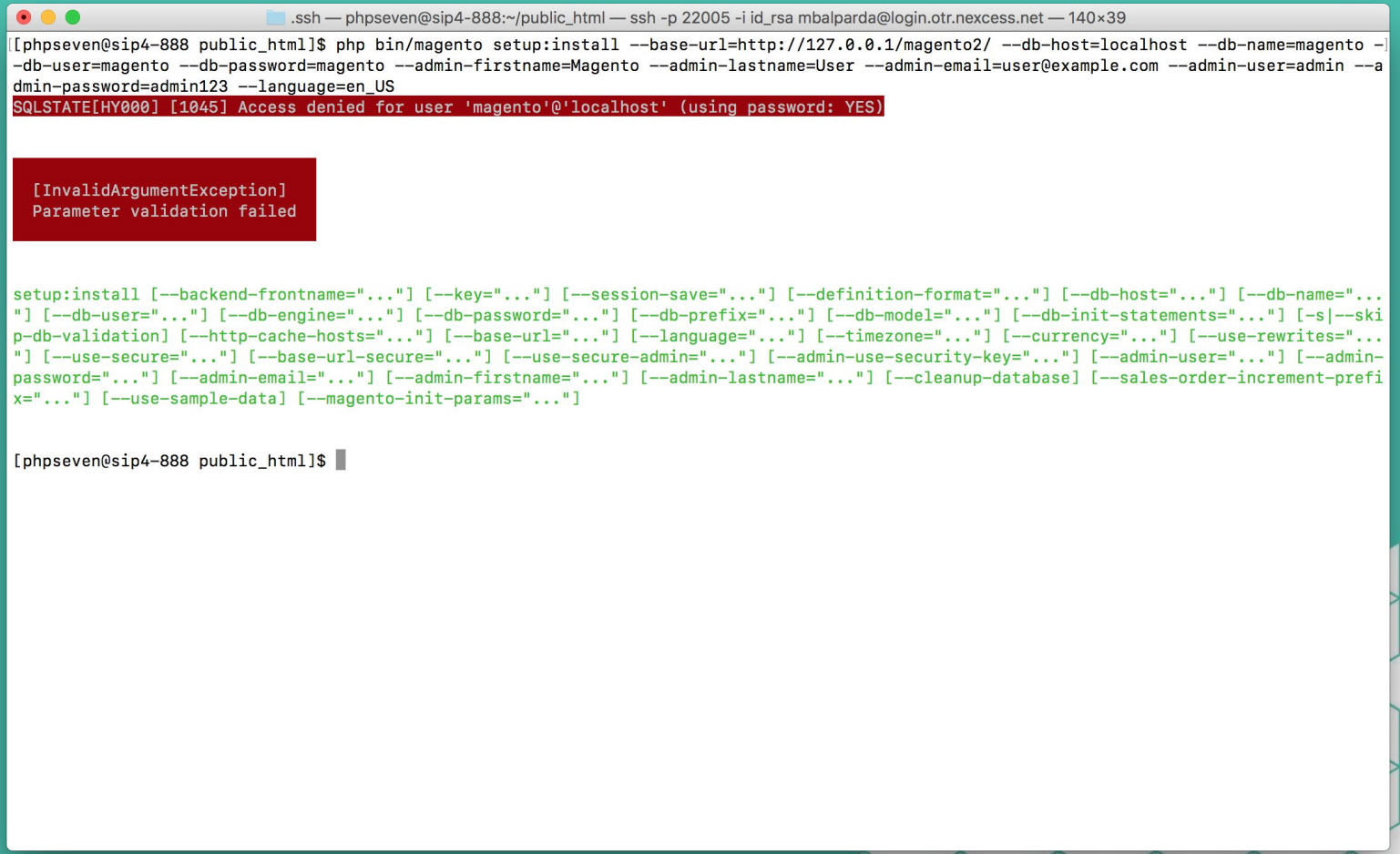
```
.ssh — phpseven@sip4-888:~/public_html — ssh -p 22005 -i id_rsa mbalparda@login.otr.nexcess.net — 140×39
[phpseven@sip4-888 public_html]$ php bin/magento list
Magento CLI version 2.1.4

Usage:
 command [options] [arguments]

Options:
 --help (-h)           Display this help message
 --quiet (-q)          Do not output any message
 --verbose (-v|vv|vvv) Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
 --version (-V)        Display this application version
 --ansi                Force ANSI output
 --no-ansi             Disable ANSI output
 --no-interaction (-n) Do not ask any interactive question

Available commands:
 help                                  Displays help for a command
 list                                  Lists commands
admin
 admin:user:create                     Creates an administrator
 admin:user:unlock                     Unlock Admin Account
app
 app:config:dump                       Create dump of application
cache
 cache:clean                           Cleans cache type(s)
 cache:disable                         Disables cache type(s)
 cache:enable                          Enables cache type(s)
 cache:flush                           Flushes cache storage used by cache type(s)
 cache:status                          Checks cache status
catalog
 catalog:images:resize                 Creates resized product images
 catalog:product:attributes:cleanup    Removes unused product attributes.
cron
 cron:run                              Runs jobs by schedule
customer
 customer:hash:upgrade                 Upgrade customer's hash according to the latest algorithm
deploy
 deploy:mode:set                       Set application mode.
 deploy:mode:show                      Displays current application mode.
```


imagine 2017 Magento



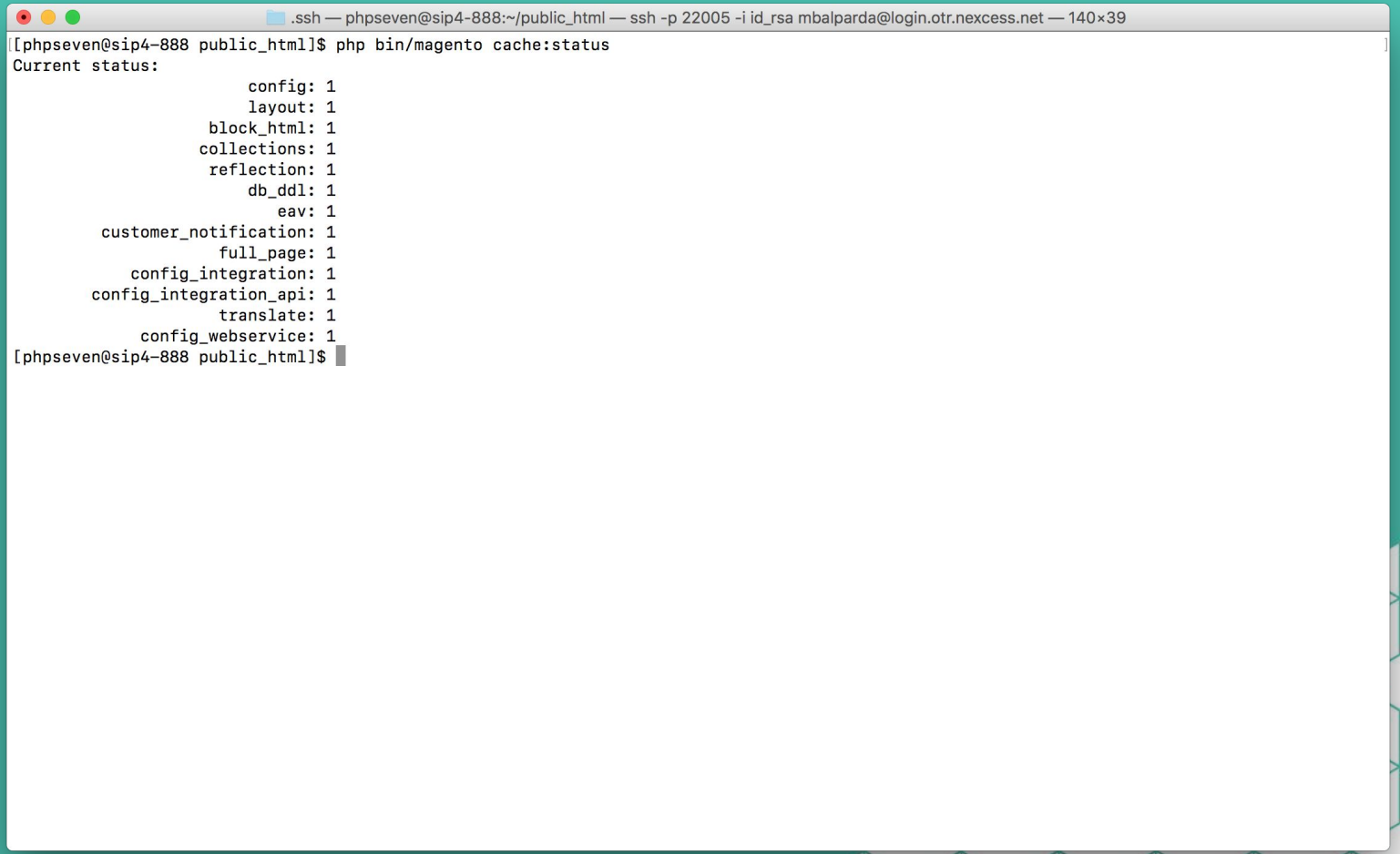
imagine 2017 Magento
imagine 2017 Magento

.ssh — phpseven@sip4-888:~/public_html — ssh -p 22005 -i id_rsa mbalparda@login.otr.nexcess.net — 140×39

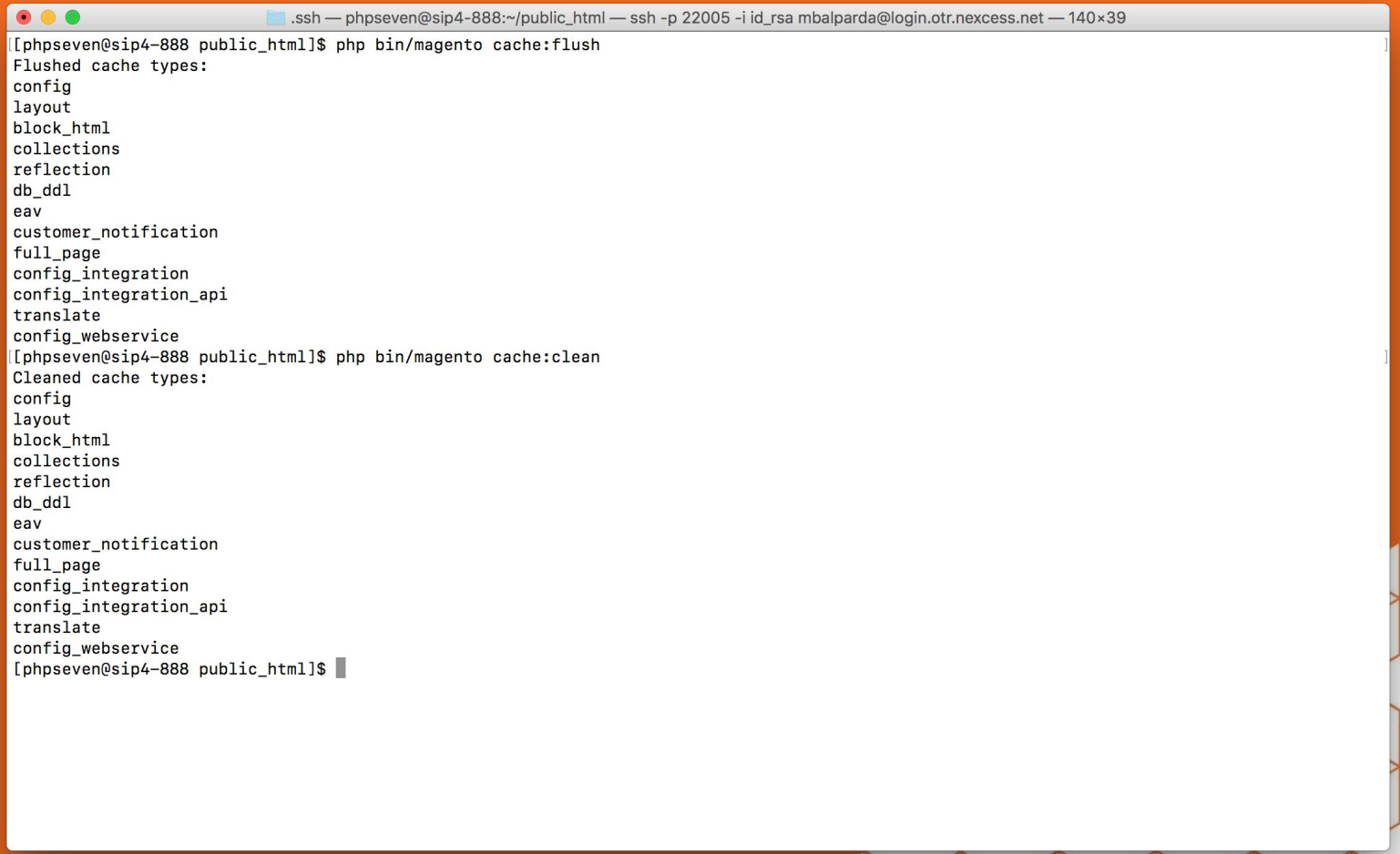
```
[phpseven@sip4-888 public_html]$ php bin/magento setup:install --help
Usage:
 setup:install [--backend-frontname="..."] [--key="..."] [--session-save="..."] [--definition-format="..."] [--db-host="..."] [--db-name="...."] [--db-user="..."] [--db-engine="..."] [--db-password="..."] [--db-prefix="..."] [--db-model="..."] [--db-init-statements="..."] [-s|--skip-db-validation] [--http-cache-hosts="..."] [--base-url="..."] [--language="..."] [--timezone="..."] [--currency="..."] [--use-rewrites="..."] [--use-secure="..."] [--base-url-secure="..."] [--use-secure-admin="..."] [--admin-use-security-key="..."] [--admin-user="..."] [--admin-password="..."] [--admin-email="..."] [--admin-firstname="..."] [--admin-lastname="..."] [--cleanup-database] [--sales-order-increment-prefix="..."] [--use-sample-data] [--magento-init-params="..."]

Options:
 --backend-frontname             Backend frontname (will be autogenerated if missing)
 --key                           Encryption key
 --session-save                  Session save handler
 --definition-format             Type of definitions used by Object Manager
 --db-host                       Database server host
 --db-name                       Database name
 --db-user                       Database server username
 --db-engine                     Database server engine
 --db-password                   Database server password
 --db-prefix                     Database table prefix
 --db-model                      Database type
 --db-init-statements            Database  initial set of commands
 --skip-db-validation (-s)       If specified, then db connection validation will be skipped
 --http-cache-hosts              http Cache hosts
 --base-url                      URL the store is supposed to be available at
 --language                      Default language code
 --timezone                      Default time zone code
 --currency                      Default currency code
 --use-rewrites                  Use rewrites
 --use-secure                    Use secure URLs. Enable this option only if SSL is available.
 --base-url-secure               Base URL for SSL connection
 --use-secure-admin              Run admin interface with SSL
 --admin-use-security-key        Whether to use a "security key" feature in Magento Admin URLs and forms
 --admin-user                    (Required) Admin user
 --admin-password                (Required) Admin password
 --admin-email                   (Required) Admin email
 --admin-firstname               (Required) Admin first name
 --admin-lastname                (Required) Admin last name
 --cleanup-database              Cleanup the database before installation
```


imagine 2017 Magento



imagine 2017 Magento


.ssh — phpseven@sip4-888:~/public_html — ssh -p 22005 -i id_rsa mbalparda@login.otr.nexcess.net — 140×39
[phpseven@sip4-888 public_html]$ php bin/magento cache:flush
Flushed cache types:
config
layout
block_html
collections
reflection
db_ddl
eav
customer_notification
full_page
config_integration
config_integration_api
translate
config_webservice
[phpseven@sip4-888 public_html]$ php bin/magento cache:clean
Cleaned cache types:
config
layout
block_html
collections
reflection
db_ddl
eav
customer_notification
full_page
config_integration
config_integration_api
translate
config_webservice
[phpseven@sip4-888 public_html]$

Clean vs Flush

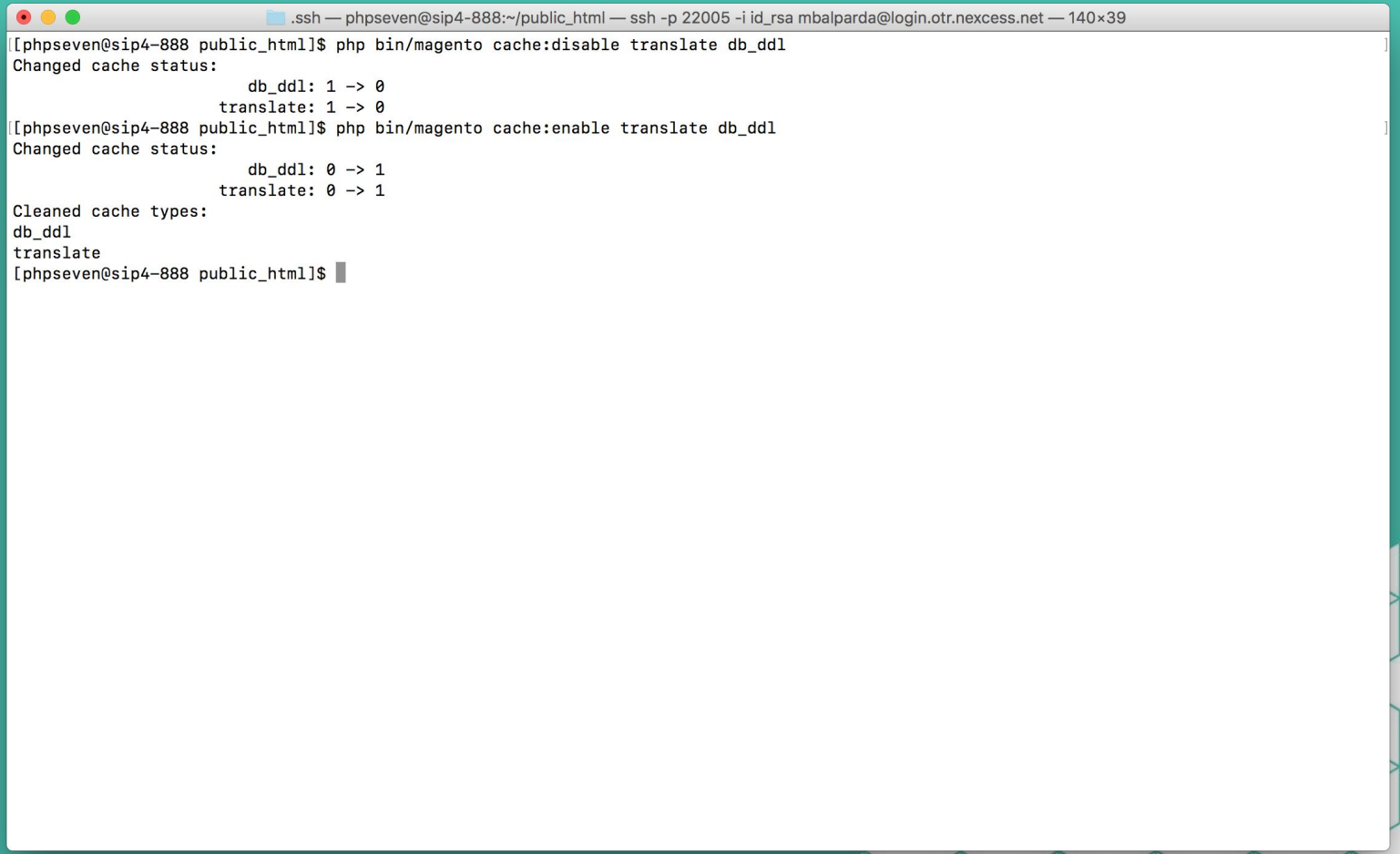
Cleaning a cache type deletes all items from enabled Magento cache types only.

In other words, this option does not affect other processes or applications because it cleans only the cache that Magento uses.

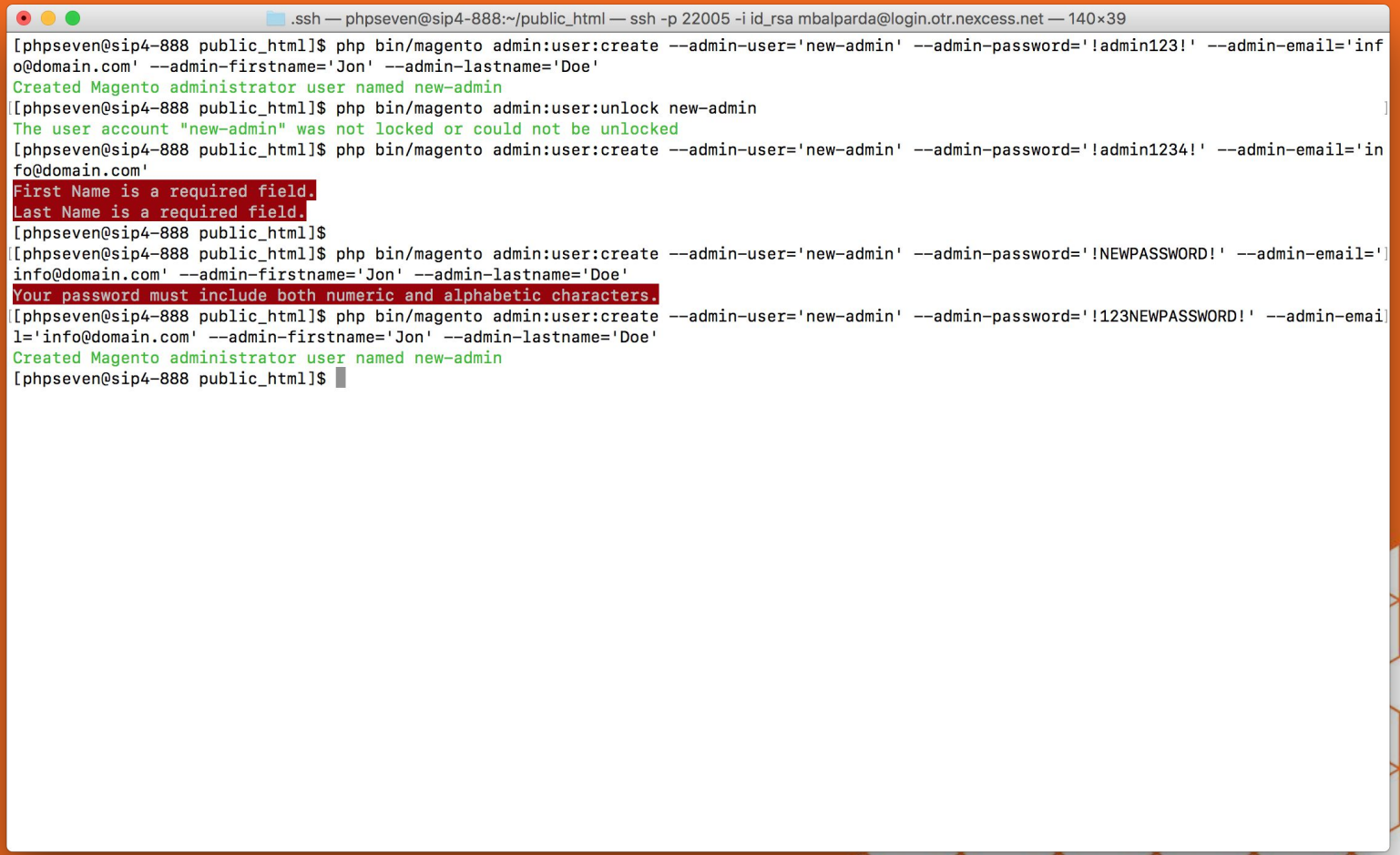
Disabled cache types are not cleaned.

Flushing a cache type purges the cache storage, which might affect other processes applications that are using the same storage.

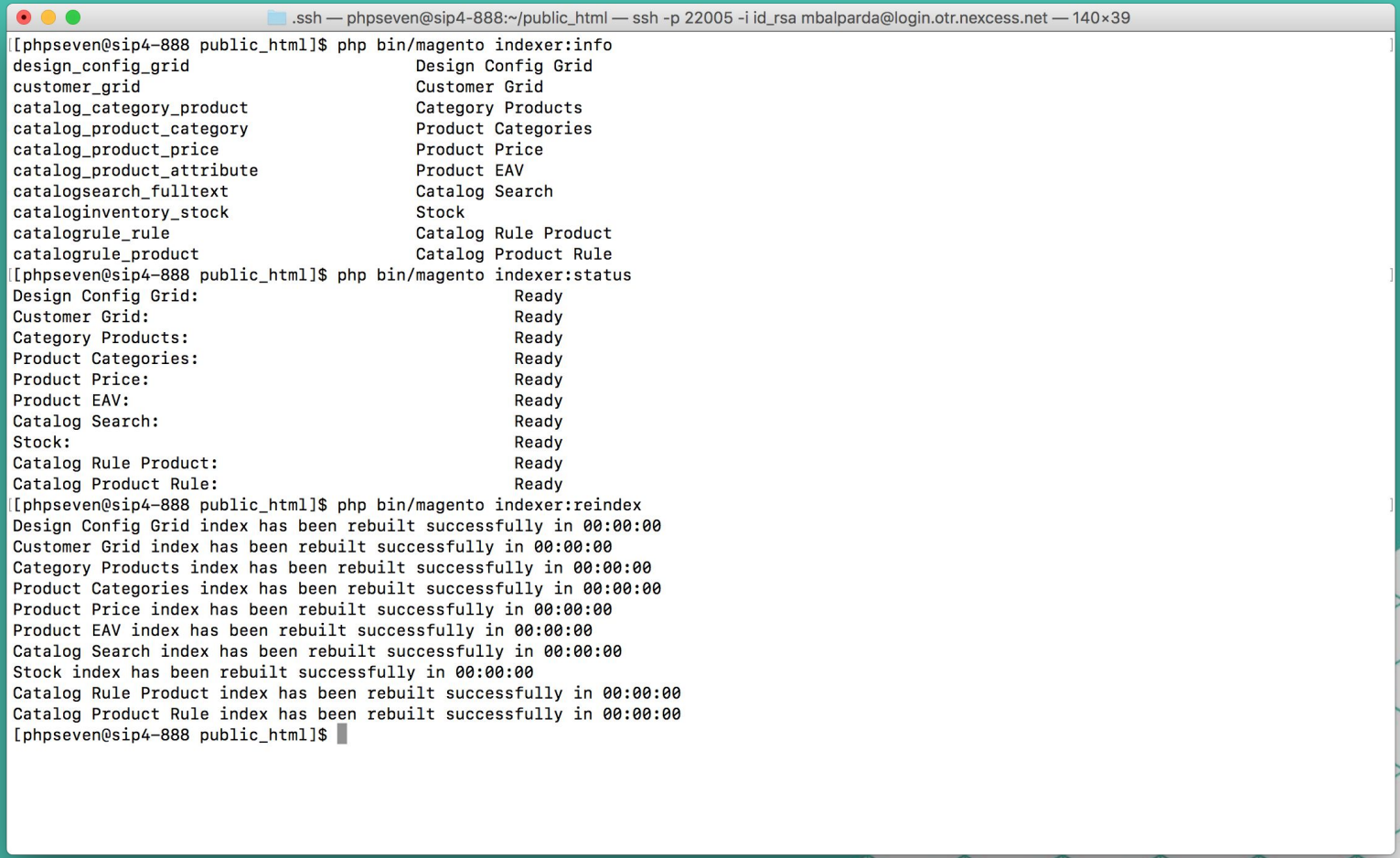
Flush cache types if you've already tried cleaning the cache and you're still having issues that you cannot isolate.



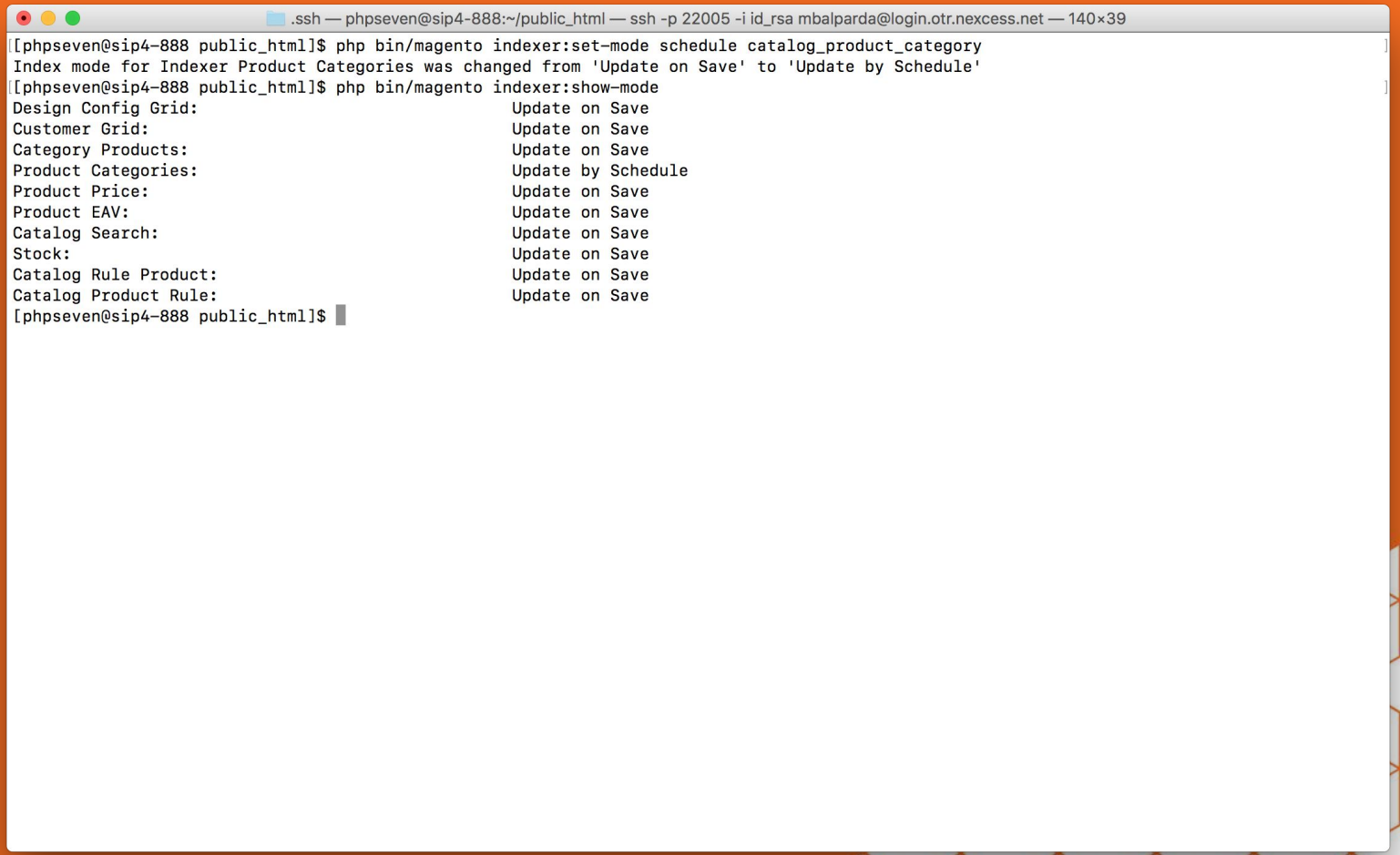
imagine 2017 Magento



imagine 2017 Magento



imagine 2017 Magento

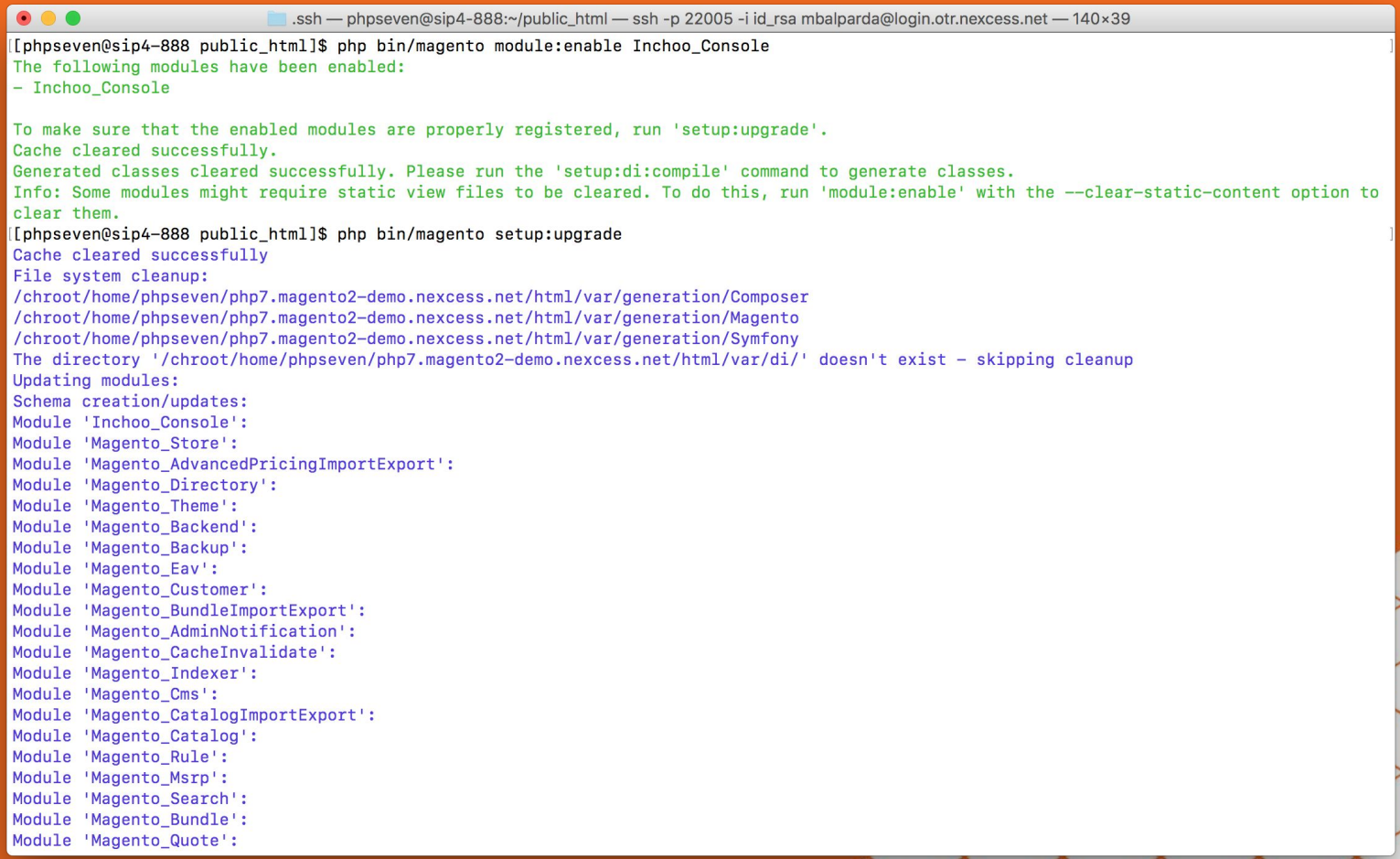


imagine 2017 Magento

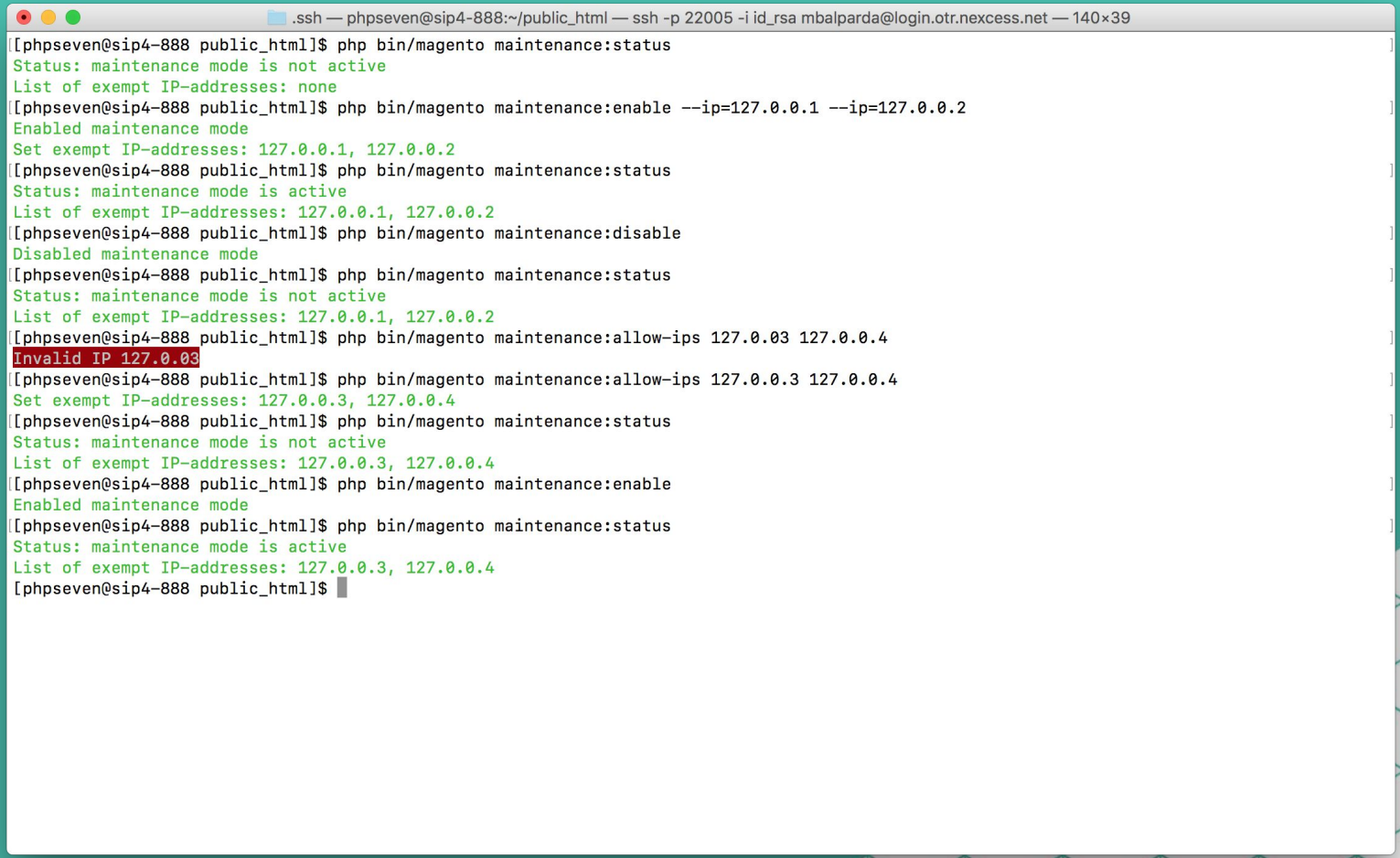
.ssh — phpseven@sip4-888:~/public_html — ssh -p 22005 -i id_rsa mbalparda@login.otr.nexcess.net — 140×39

```
[phpseven@sip4-888 public_html]$ php bin/magento module:status
List of enabled modules:
Magento_Store
Magento_AdvancedPricingImportExport
Magento_Directory
Magento_Theme
Magento_Backend
Magento_Backup
Magento_Eav
Magento_Customer
Magento_BundleImportExport
Magento_AdminNotification
Magento_CacheInvalidate
Magento_Indexer
Magento_Cms
Magento_CatalogImportExport
Magento_Catalog
Magento_Rule
Magento_Msrp
Magento_Search
Magento_Bundle
Magento_Quote
Magento_CatalogUrlRewrite
Magento_Widget
Magento_SalesSequence
Magento_CheckoutAgreements
Magento_Payment
Magento_SampleData
Magento_CmsUrlRewrite
Magento_Config
Magento_ConfigurableImportExport
Magento_Downloadable
Magento_CatalogSearch
Magento_Contact
Magento_Cookie
Magento_Cron
Magento_CurrencySymbol
Magento_User
Magento_CustomerImportExport
```

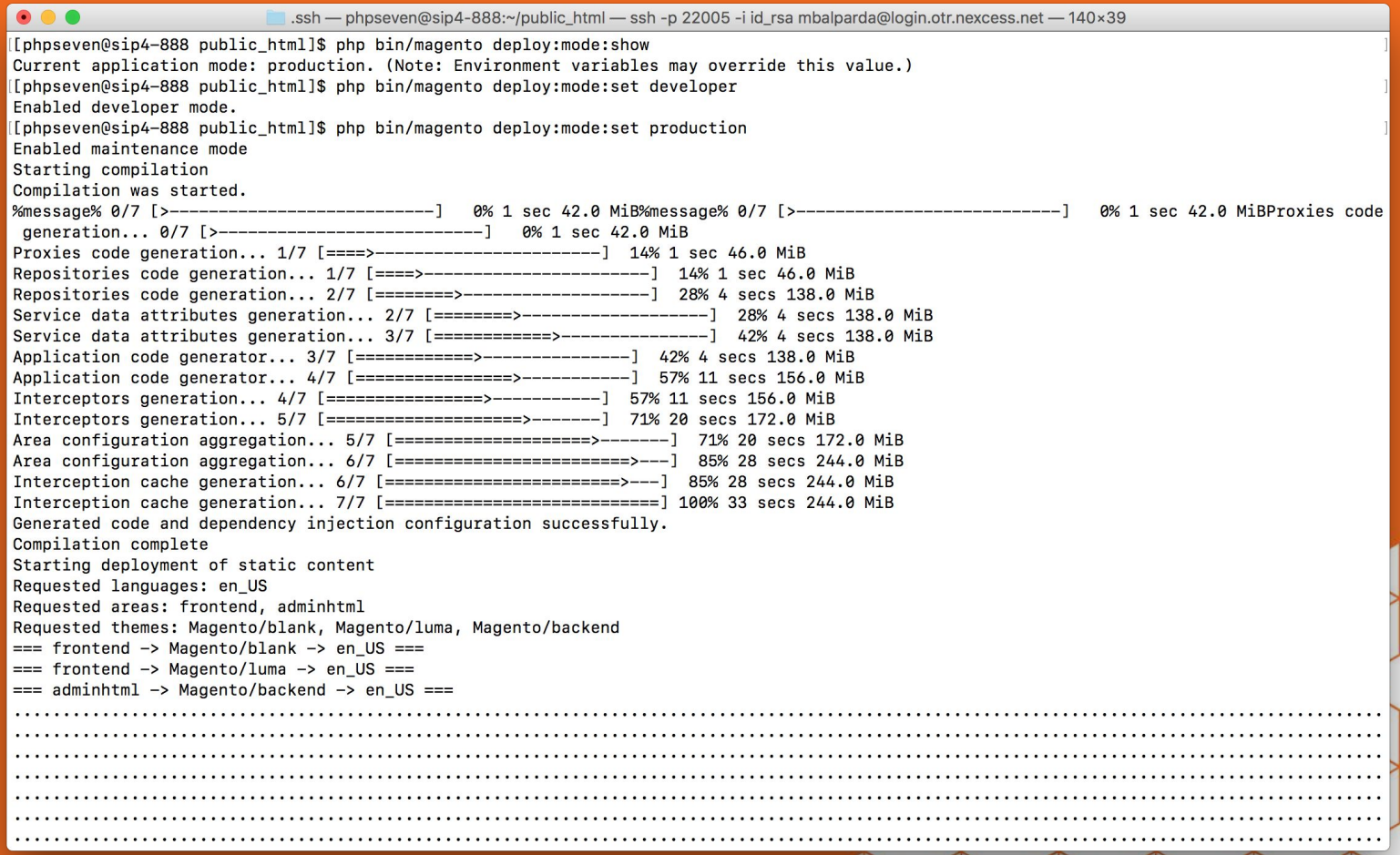

imagine 2017 Magento



imagine 2017 Magento



imagine 2017 Magento



imagine 2017 Magento

Default mode

Enables you to deploy the Magento application on a single server without changing any settings. However, default mode is not optimized for production.

- Symlinks to static view files are published to the `pub/static` directory
- Exceptions are not displayed to the user; instead, exceptions are written to log files.
- Hides custom `X-Magento-*`HTTP request and response headers

Developer mode

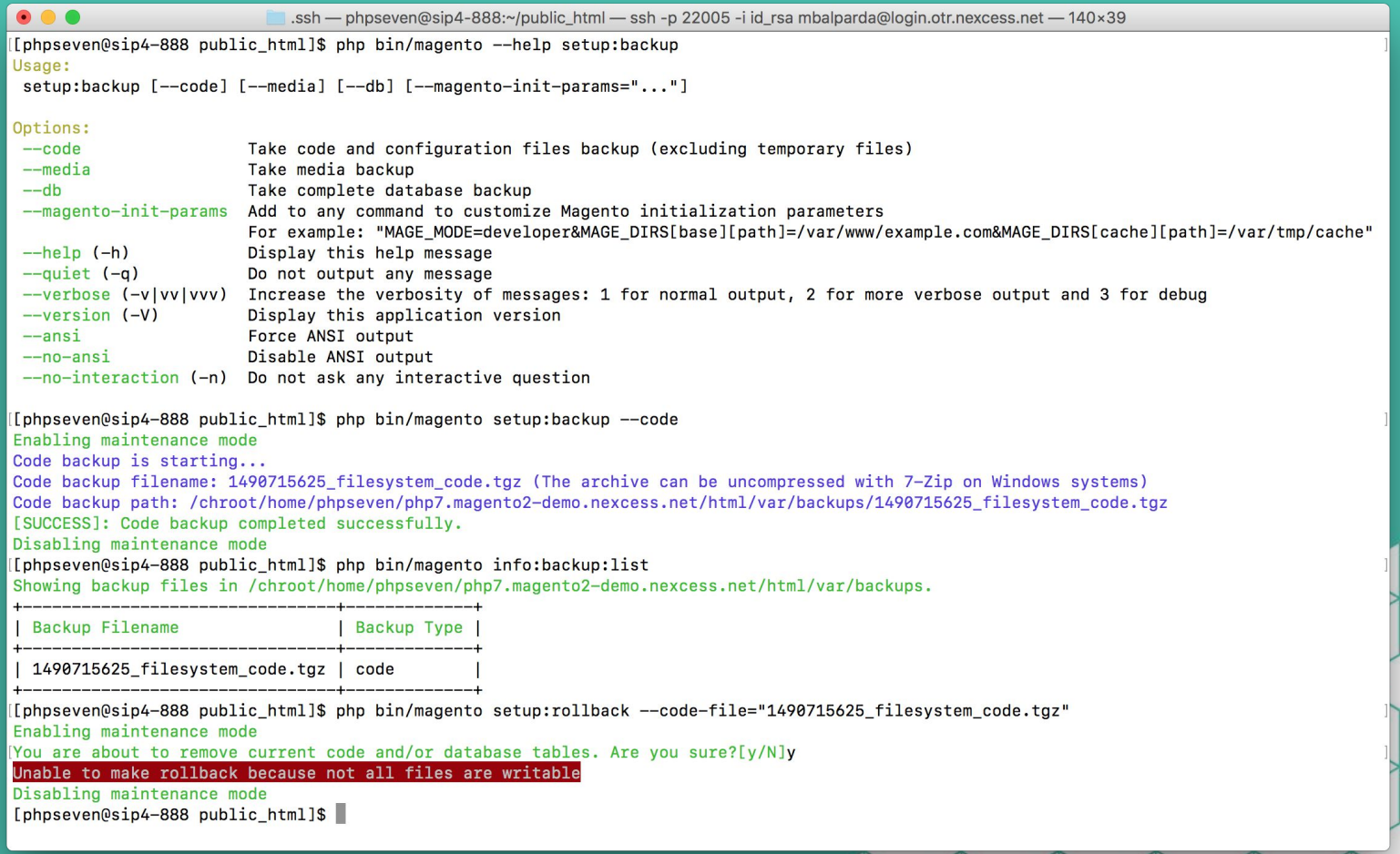
Intended for development only, this mode:

- Symlinks to static view files are published to the `pub/static` directory
- Provides verbose logging
- Enables automatic code compilation
- Enables enhanced debugging
- Shows custom `X-Magento-*`HTTP request and response headers
- Results in the slowest performance (because of the preceding)

Production mode

Intended for deployment on a production system.

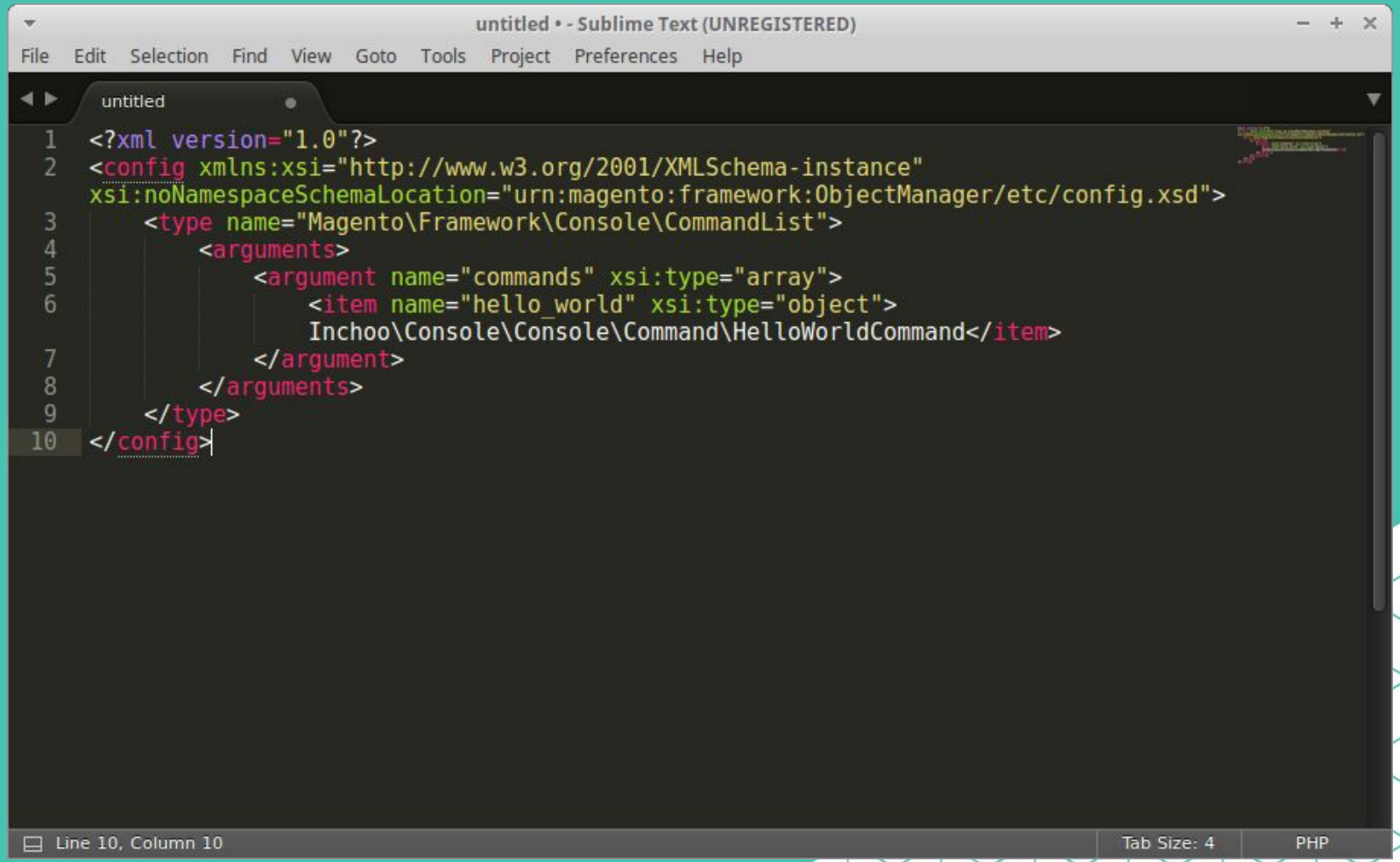
- Exceptions are not displayed to the user, exceptions are written to logs only
- Static view files are served from `pub/static` only.
- Static view files are served from `pub/static` only.
- New or updated files are not written to the file system.



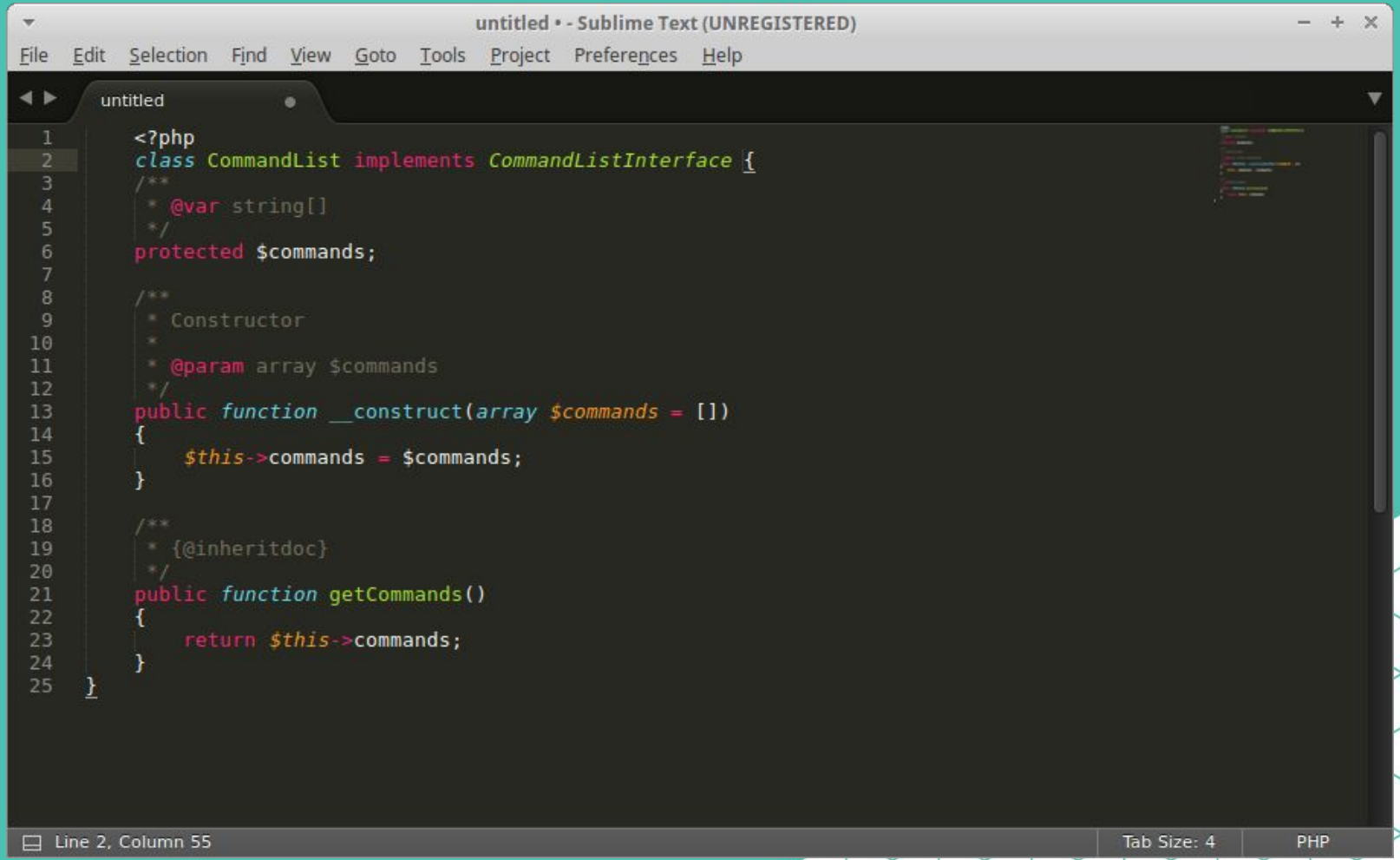
imagine 2017 Magento

Create your own command

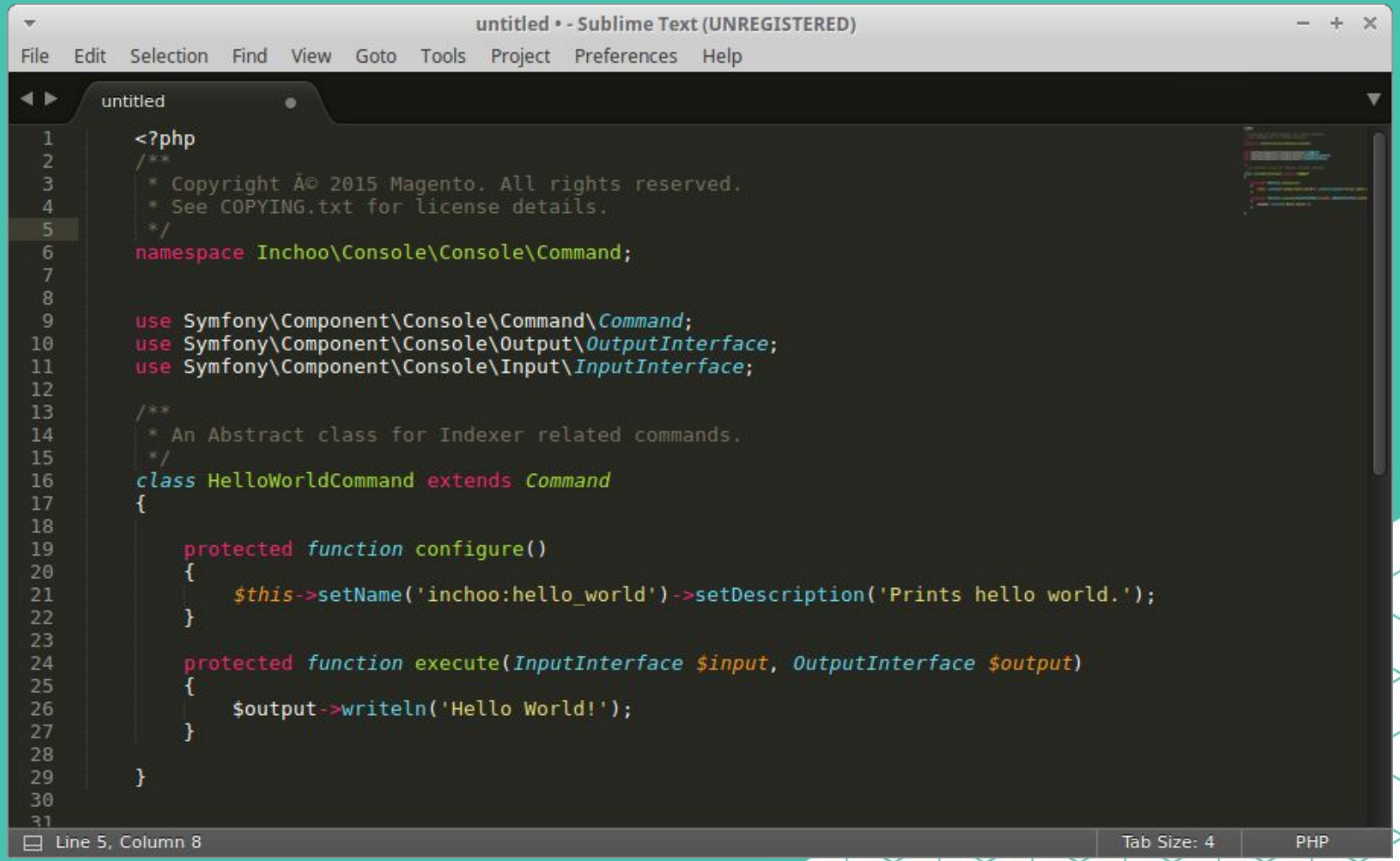
- https://bitbucket.org/lurajcevi/inchoo_console/src
- Use DI to inject our command
- Only 2 methods: configure and execute
- php bin/magento module:enable Inchoo_Console
- php bin/magento setup:upgrade
- ???
- Profit!

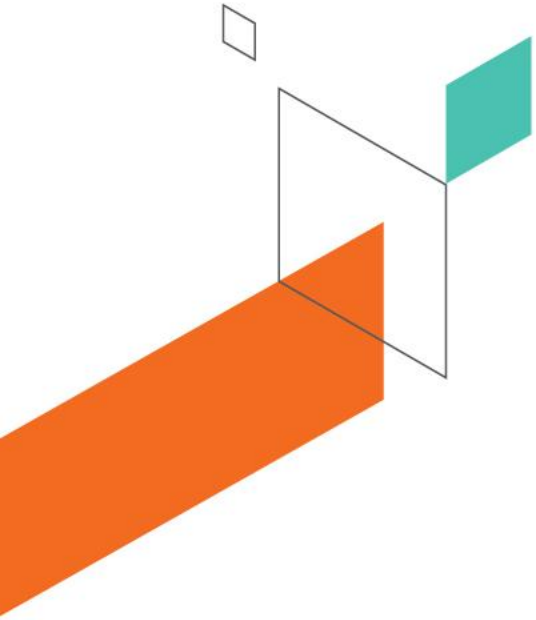


imagine 2017 Magento



imagine 2017 Magento


untitled • - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
untitled
<?php
/**
* Copyright Â© 2015 Magento. All rights reserved.
* See COPYING.txt for license details.
*/
namespace Inchoo\Console\Console\Command;
use Symfony\Component\Console\Command\Command;
use Symfony\Component\Console\Output\OutputInterface;
use Symfony\Component\Console\Input\InputInterface;
/**
* An Abstract class for Indexer related commands.
*/
class HelloWorldCommand extends Command
{
protected function configure()
{
$this->setName('inchoo:hello_world')->setDescription('Prints hello world.');
}
protected function execute(InputInterface $input, OutputInterface $output)
{
$output->writeln('Hello World!');
}
}
Line 5, Column 8
Tab Size: 4
PHP



Making Your Life Easier with the Magento 2 CLI

Questions?