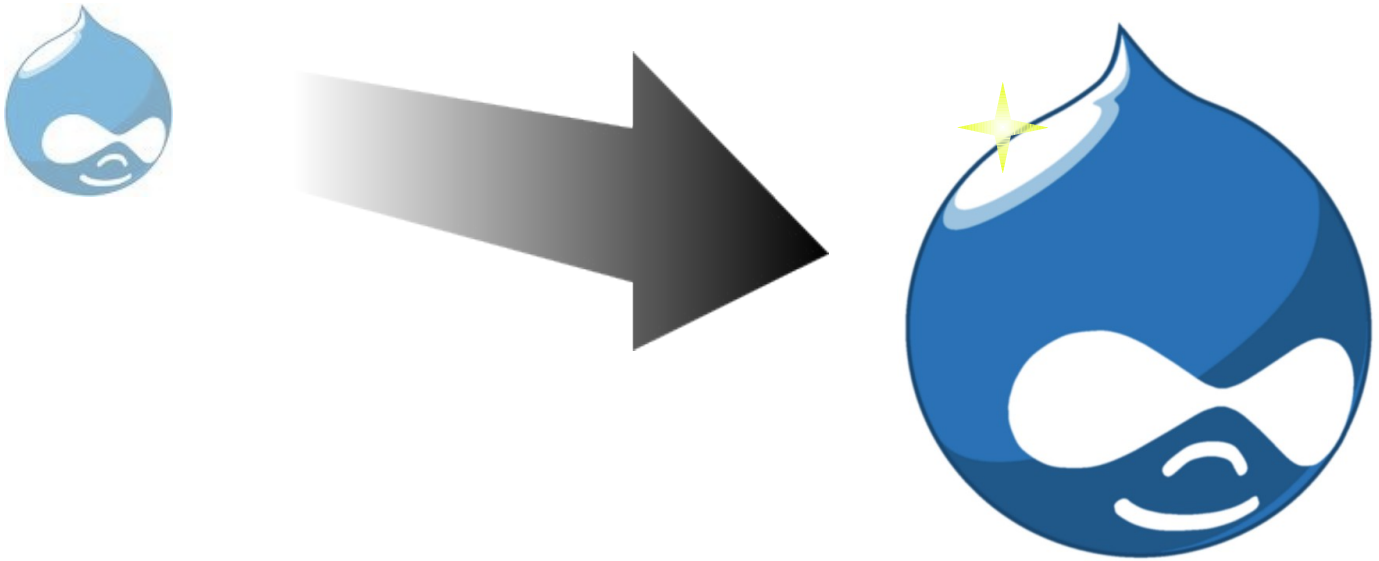
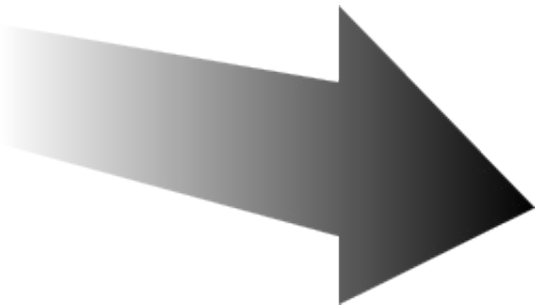
Upgrading Drupal



DrupalCamp Spain, February 28th 2010

Florian Lorétan - http://happypixels.net

Drupal 5.x



Drupal 6.x

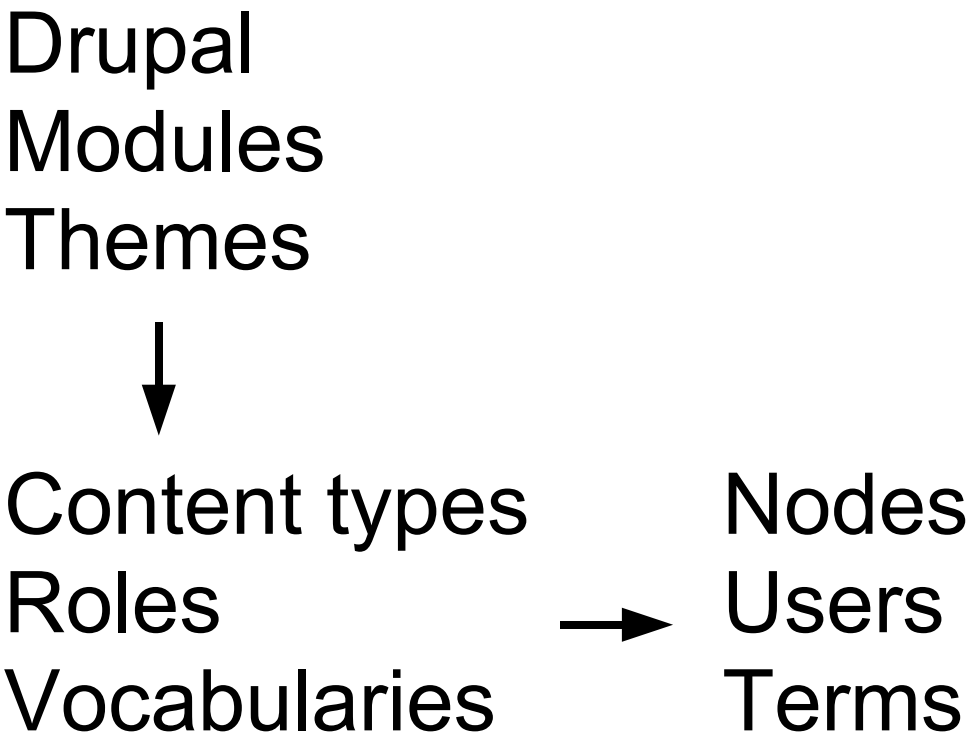
1. **Backup your existing site and database**.
2. Place the site in "off-line" mode (Administer >> Site configuration >> Site maintenance).
3. **Download and unzip the new Drupal files, and carefully review the information and instructions available in the file UPGRADE.txt (located in the root of your installation directory).**
4. Switch your site's theme to a default theme (Garland or Bluemarine), and disable all contributed or customized modules.
5. **Upload the new Drupal files to your server**.
    - Be aware that if you browse to your site at this point in the process you will see the standard installation script. Since you are only upgrading you should NOT run this script. If you run the installation script it will likely produce errors.
    - NOTE: If you are upgrading to a new major version (e.g. 5.x to 6.x), it is recommended that you remove the old version's code and modules completely before uploading the new version's code.
6. **Run the update.php script, which will update your database**.
7. Re-enable your contributed modules and run update.php
8. Re-enable your theme and if necessary run update.php

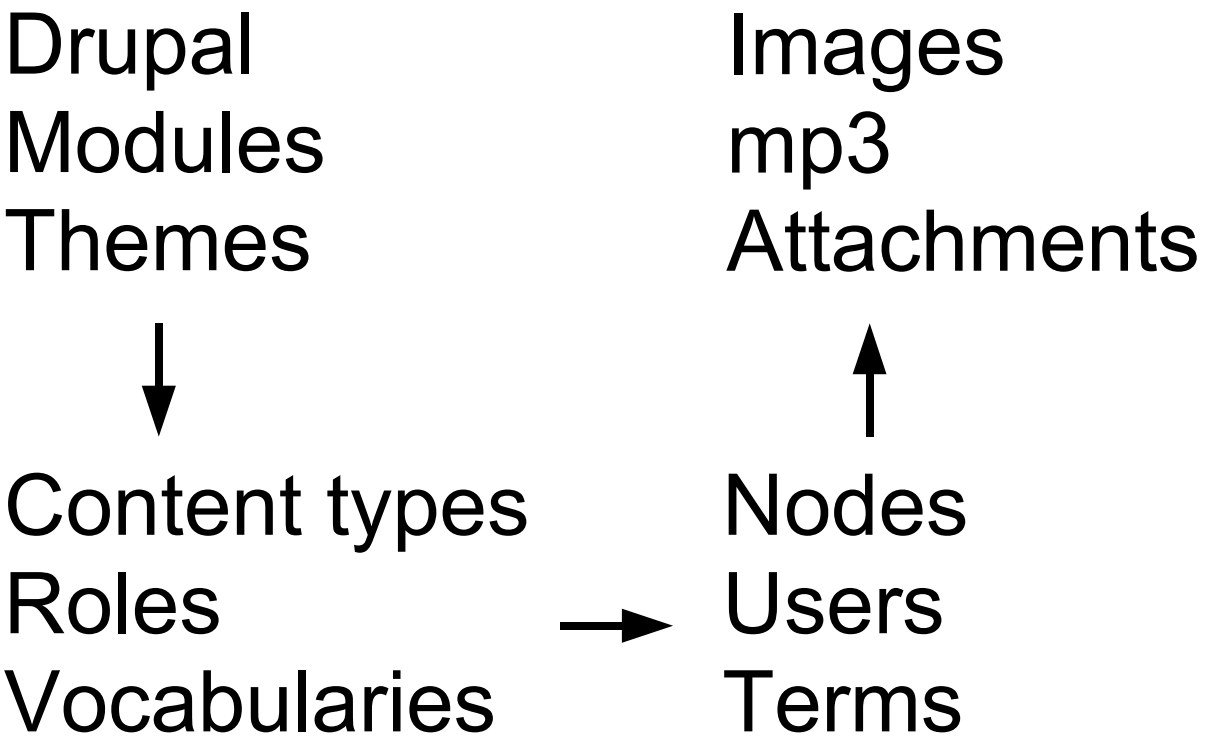
http://drupal.org/upgrade/tutorial-introduction

Drupal
Modules
Themes

Drupal
Modules
Themes

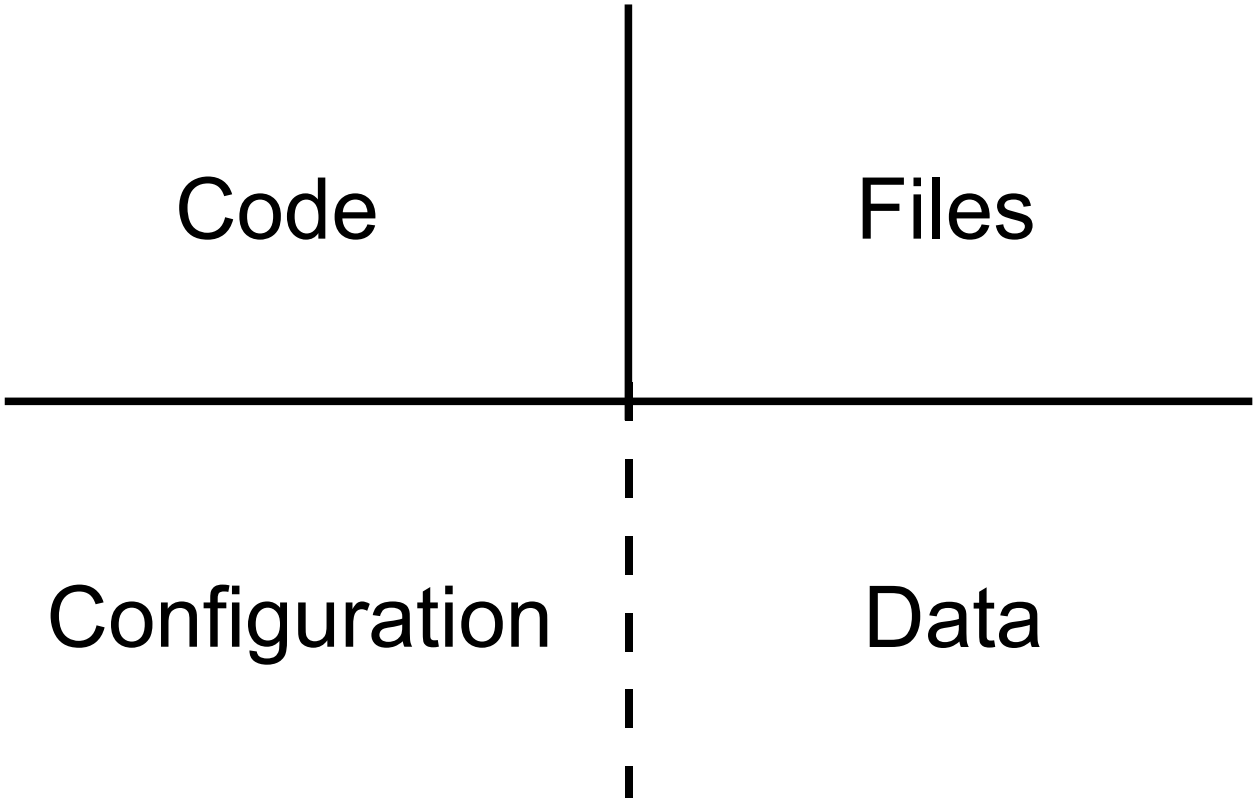
Content types
Roles
Vocabularies

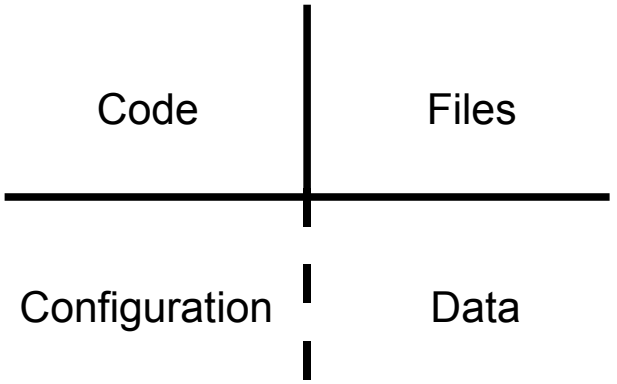

Drupal
Modules
Themes
Content types
Roles
Vocabularies
Nodes
Users
Terms


Drupal
Modules
Themes
Images
mp3
Attachments
Content types
Roles
Vocabularies
Nodes
Users
Terms

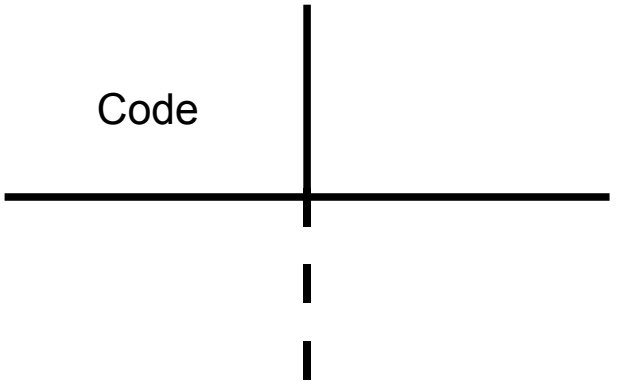
Functionality	Content
Drupal	Images
Modules	mp3
Themes	Attachments
Content types	Nodes
Roles	Users
Vocabularies	Terms

Files	Drupal Modules Themes	Images mp3 Attachments
DB	Content types Roles Vocabularies	Nodes Users Terms

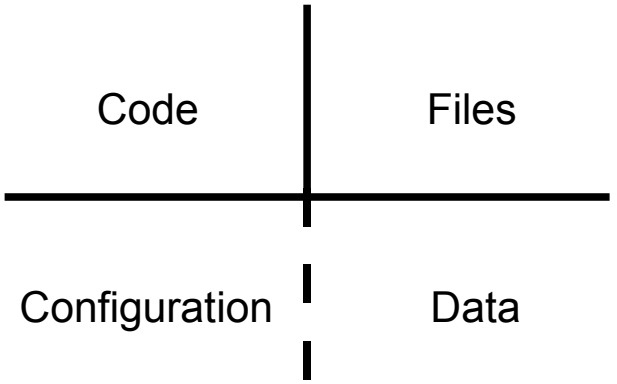

Code
Files
Configuration
Data



Drupal 5



Drupal 6



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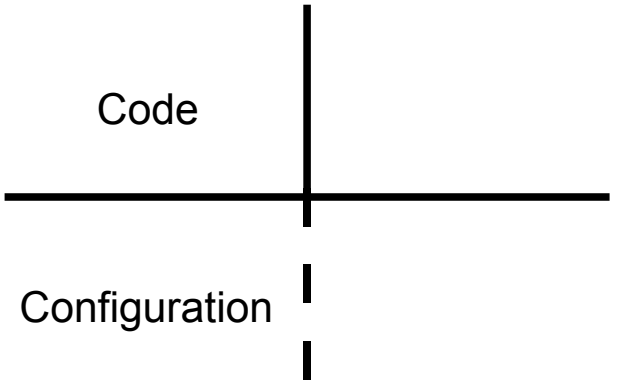
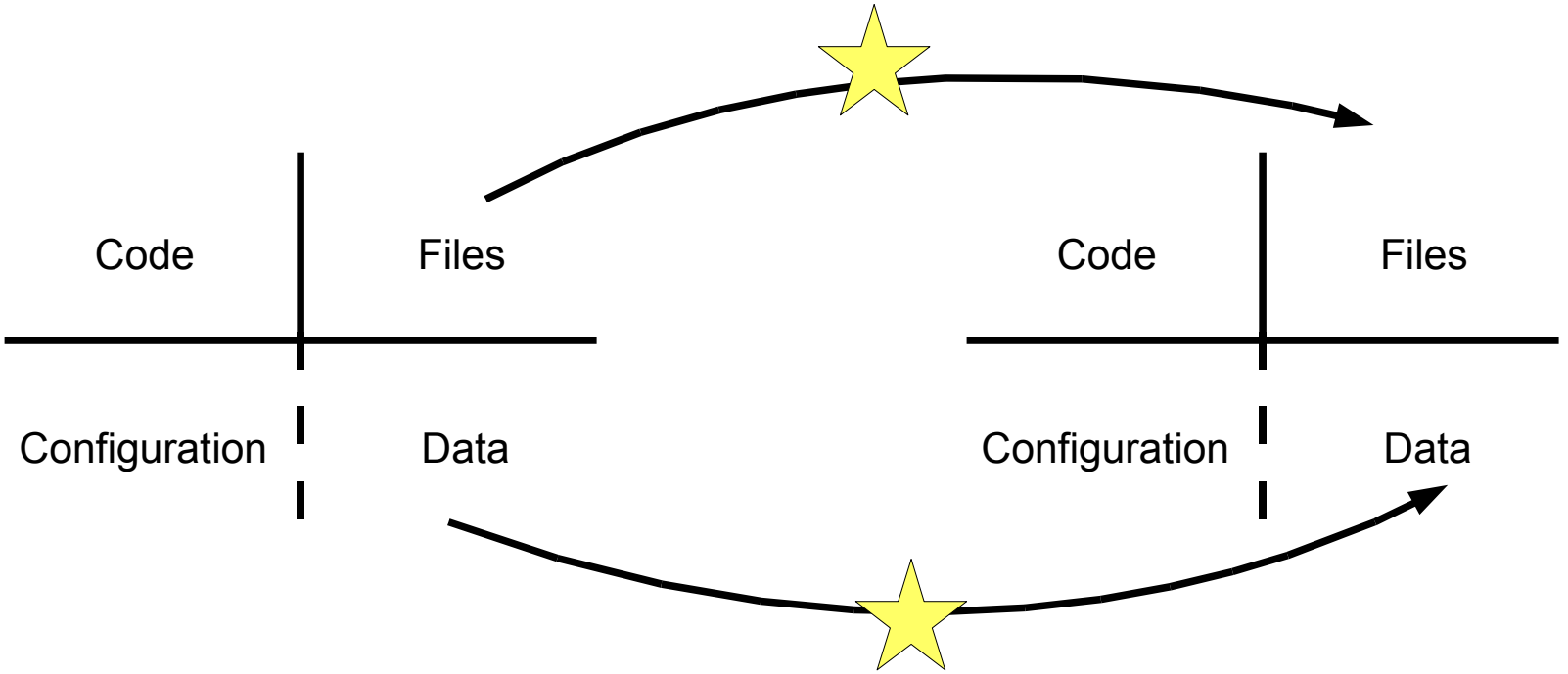
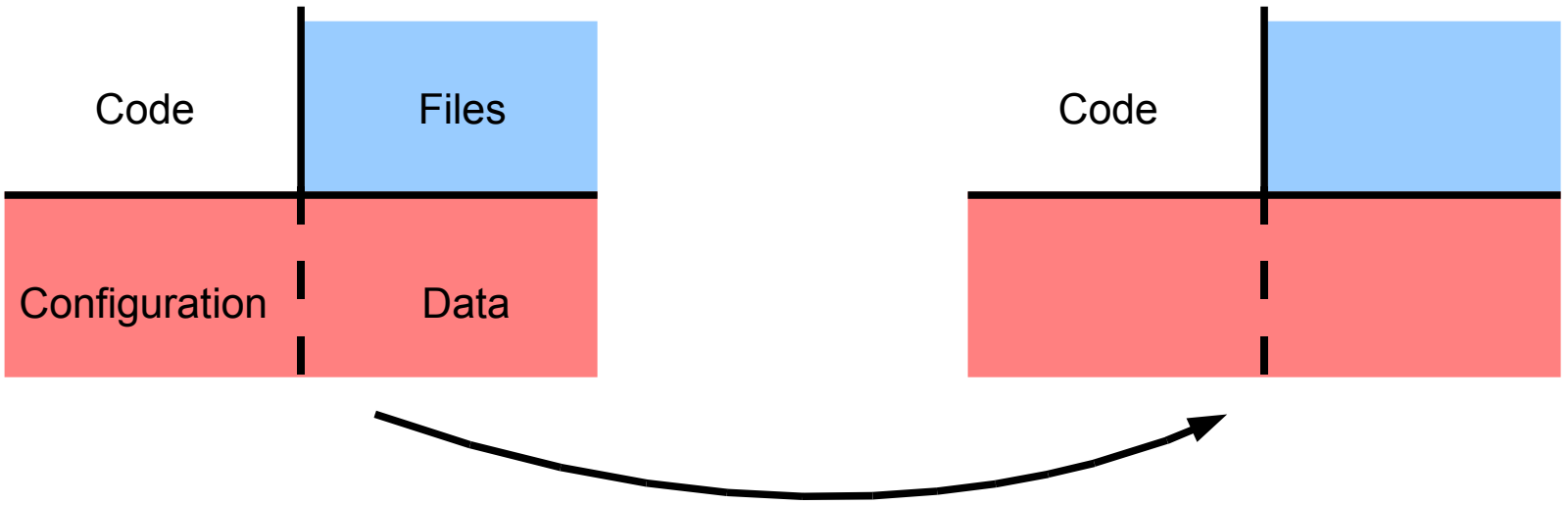


Drupal 6



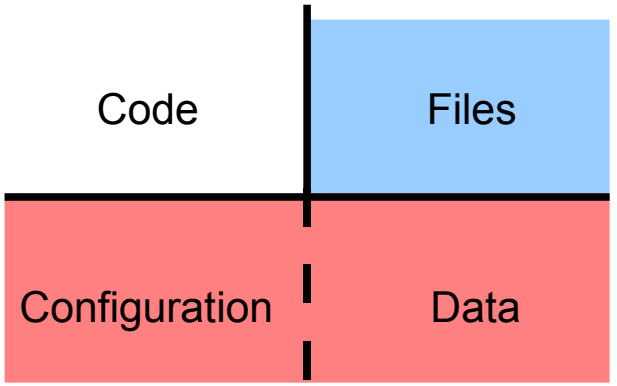
Drupal 5

Drupal 6



Drupal 5

Drupal 6



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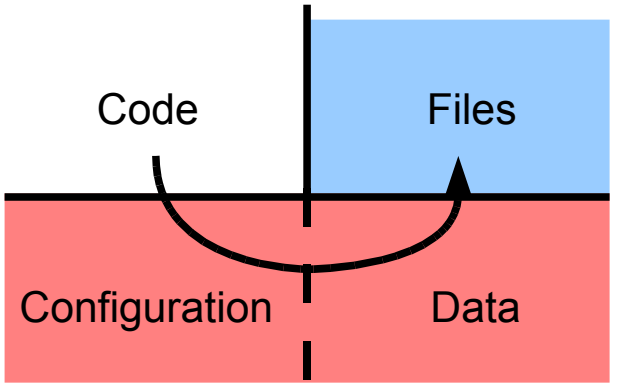
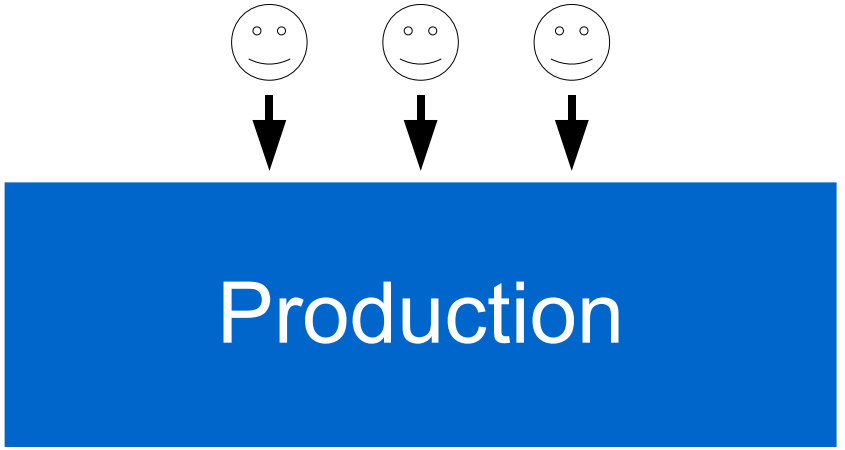
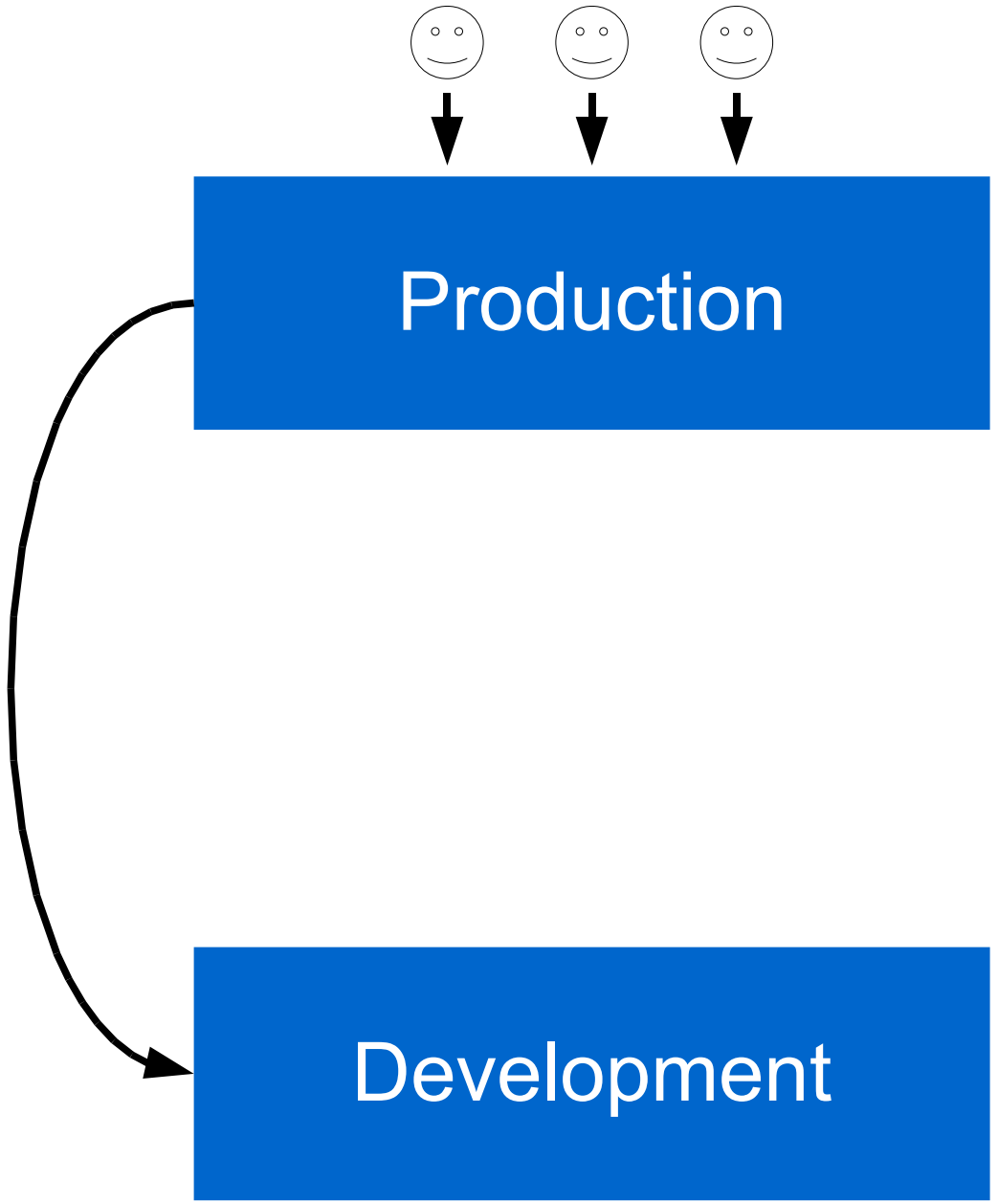


Drupal 6

Production

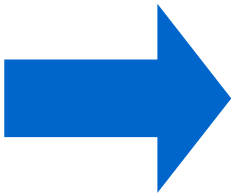

Production


Production
Development

Update modules

Drupal 5

- pathauto
- bio
- simple_menu
- views
- mymodule
- asset

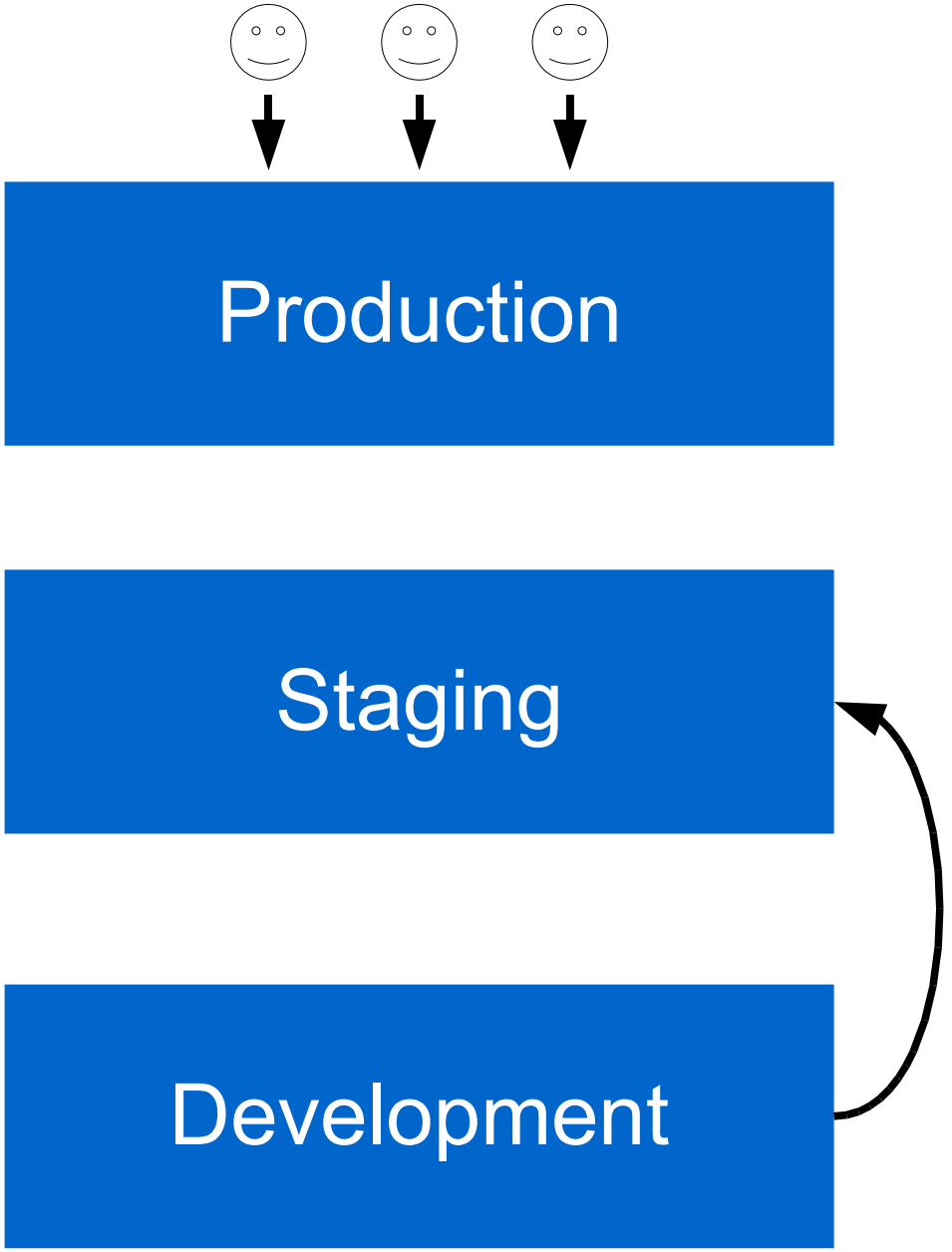


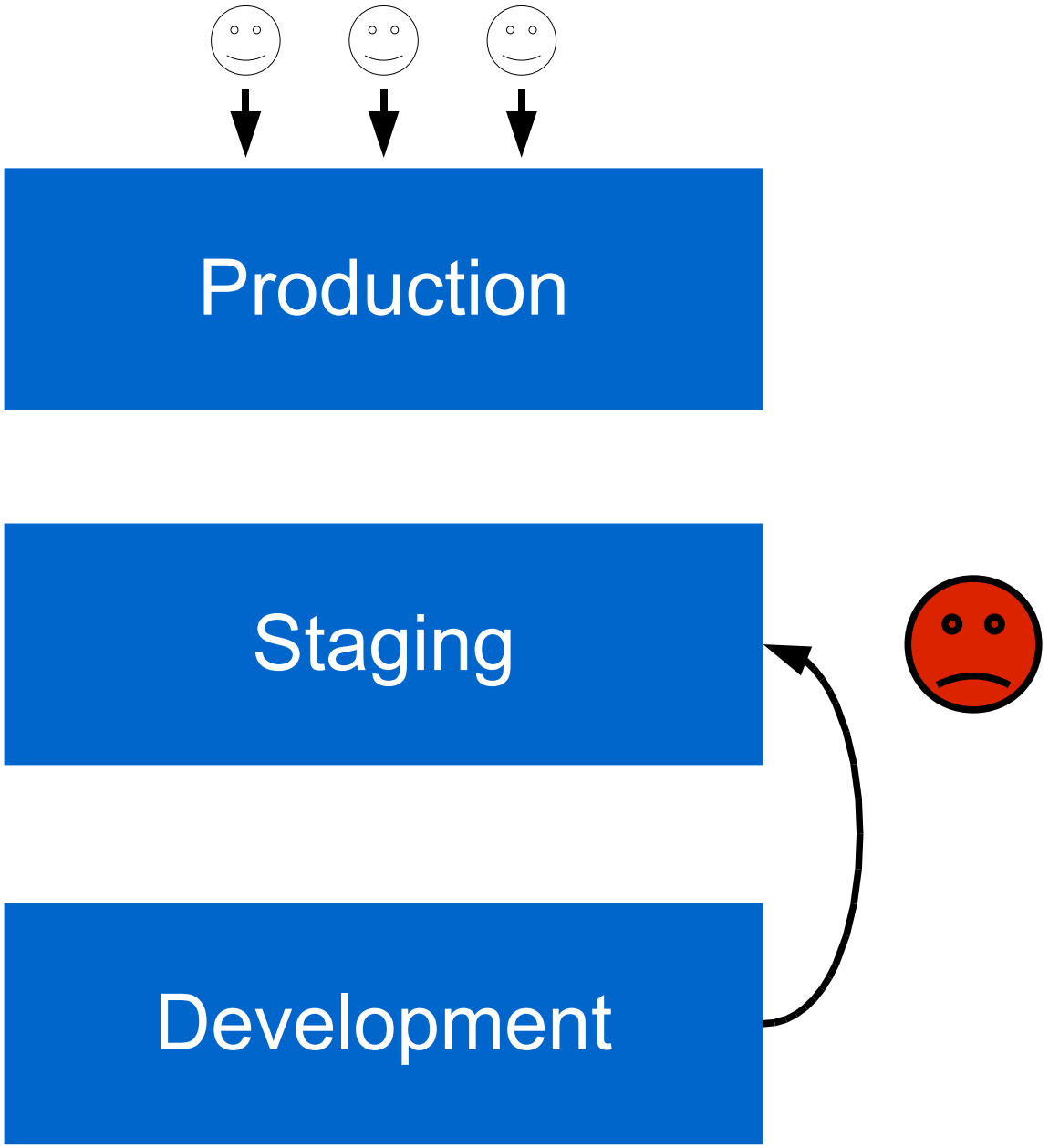
Drupal 6

- pathauto
- content_profile
- admin_menu
- views
- mymodule
- filefield

```php
/**
 * Make comments on all articles read-only.
 */
function mymodule_update_123() {

  variable_set('comment_node_story', COMMENT_NODE_READONLY);

  $ret[] = update_sql('UPDATE {node} SET comment = 1');

  return $ret;
}
```

Tip: check out the Install profile API


Production
Staging
Development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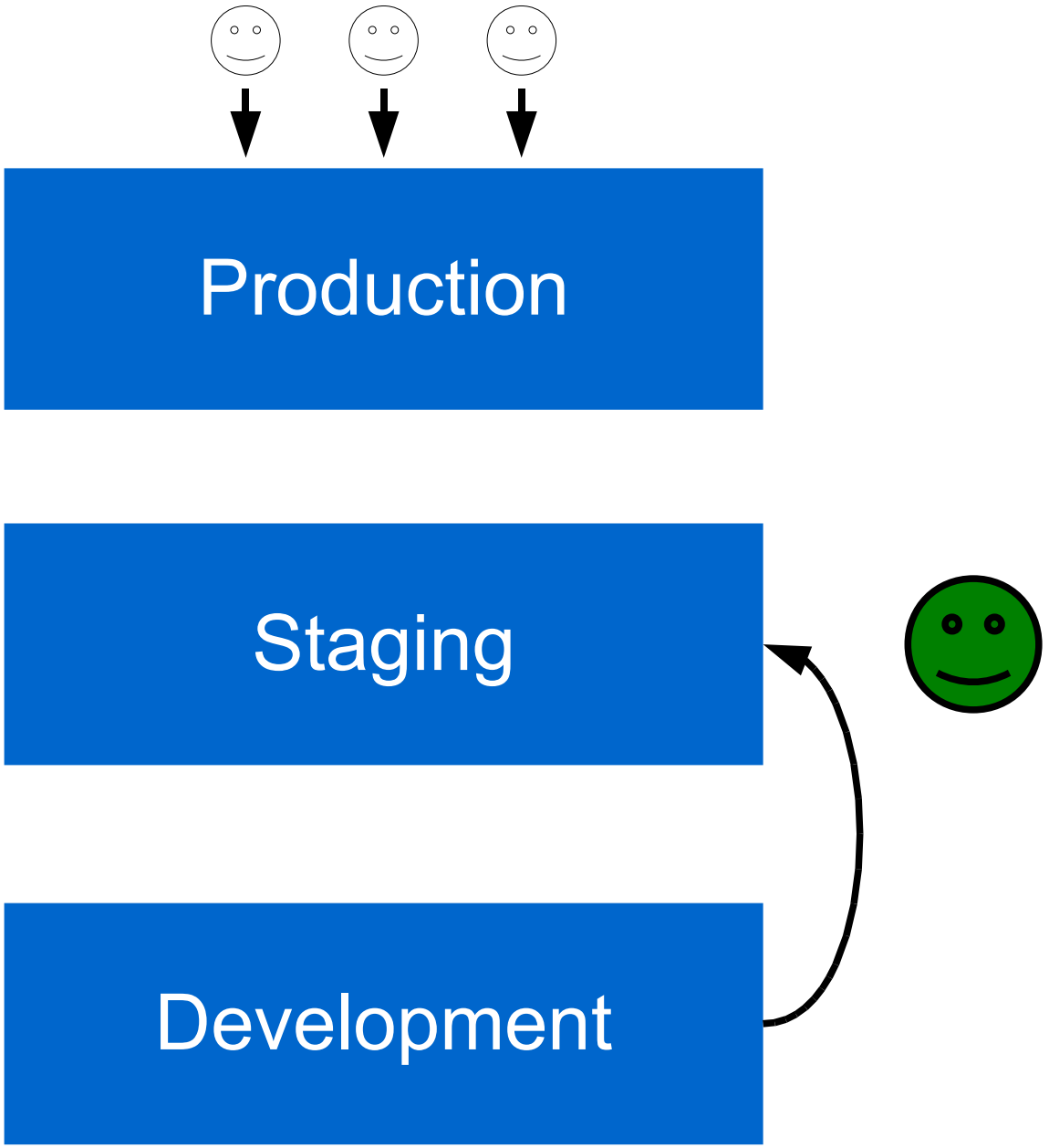
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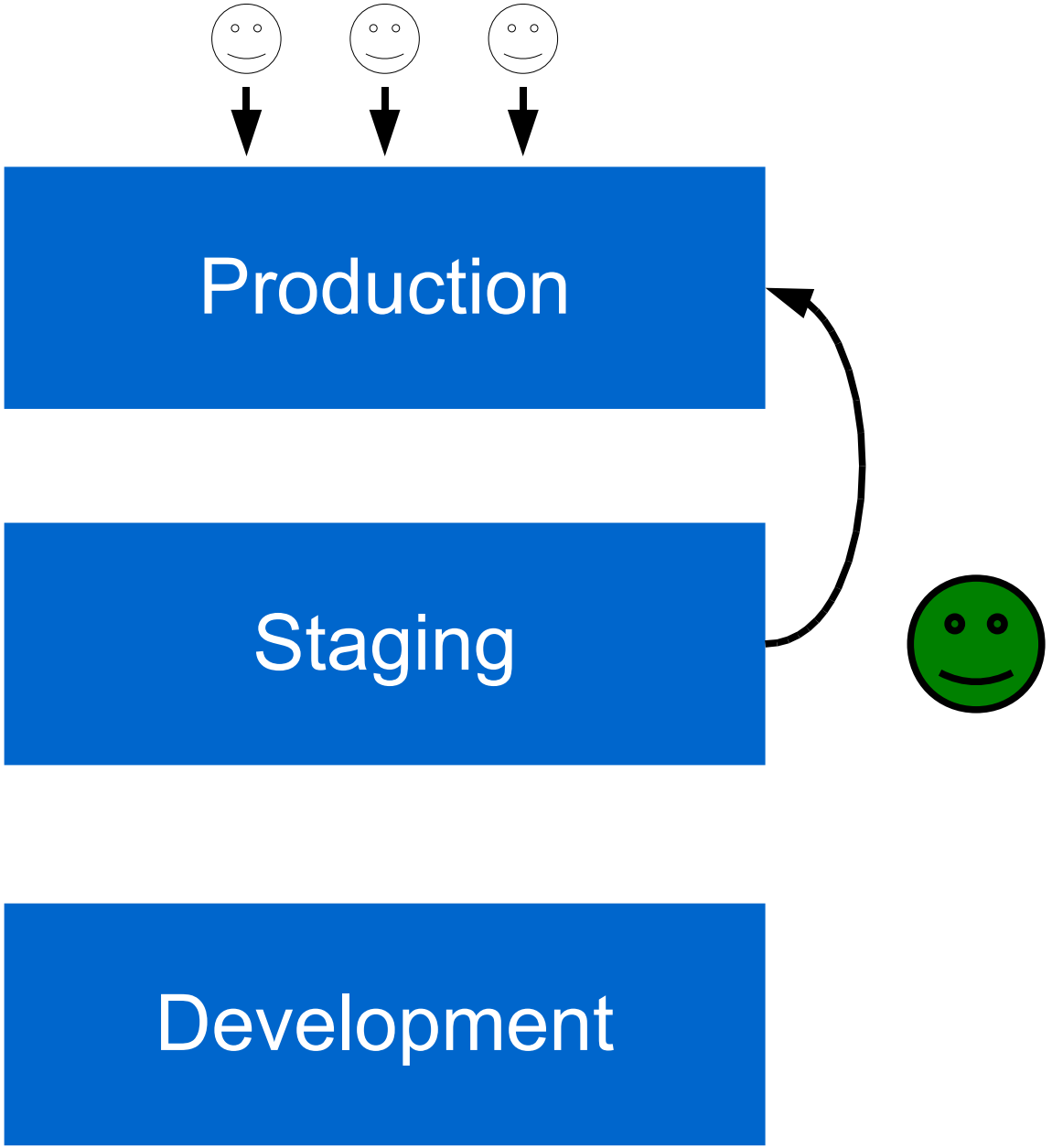
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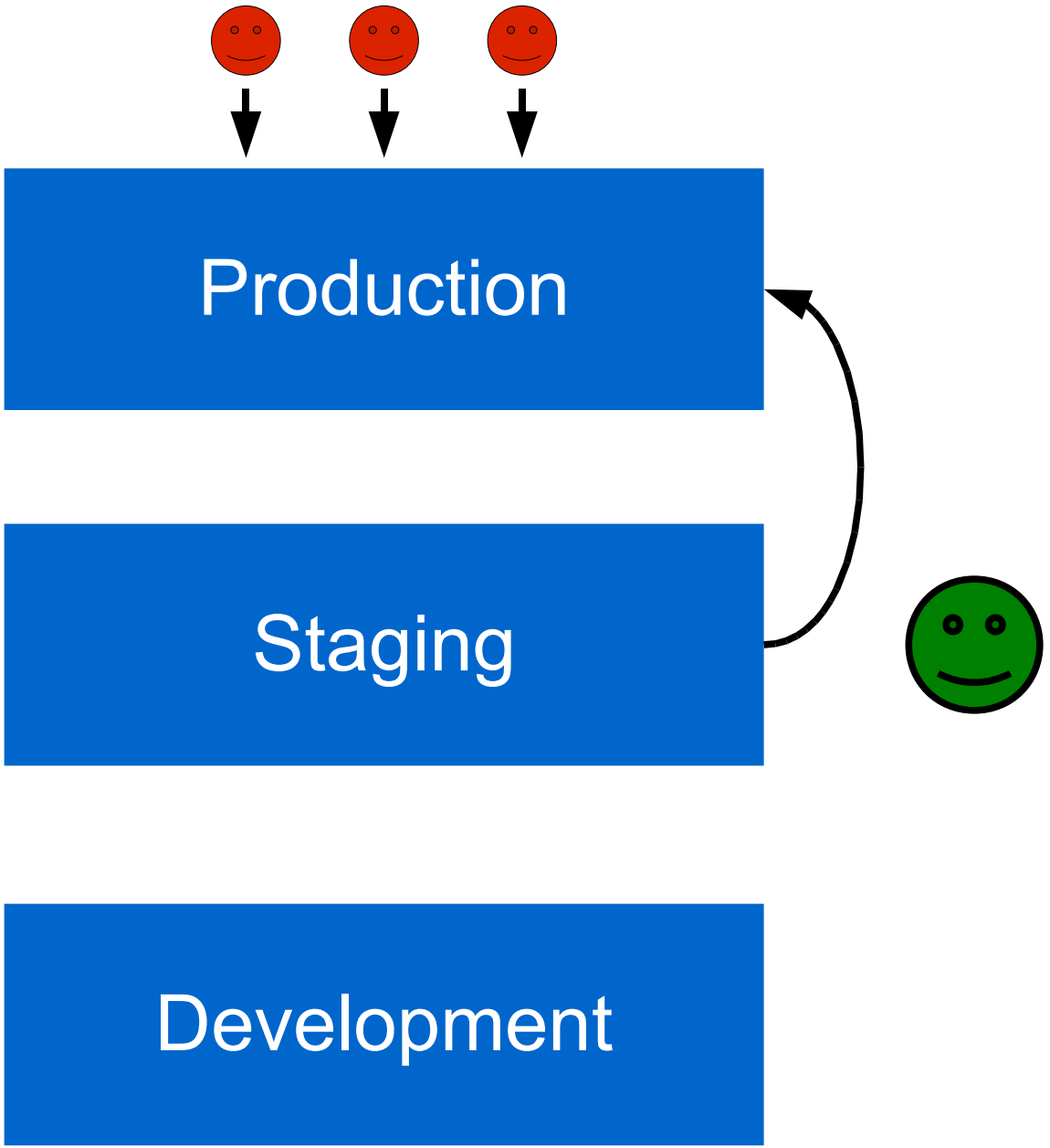
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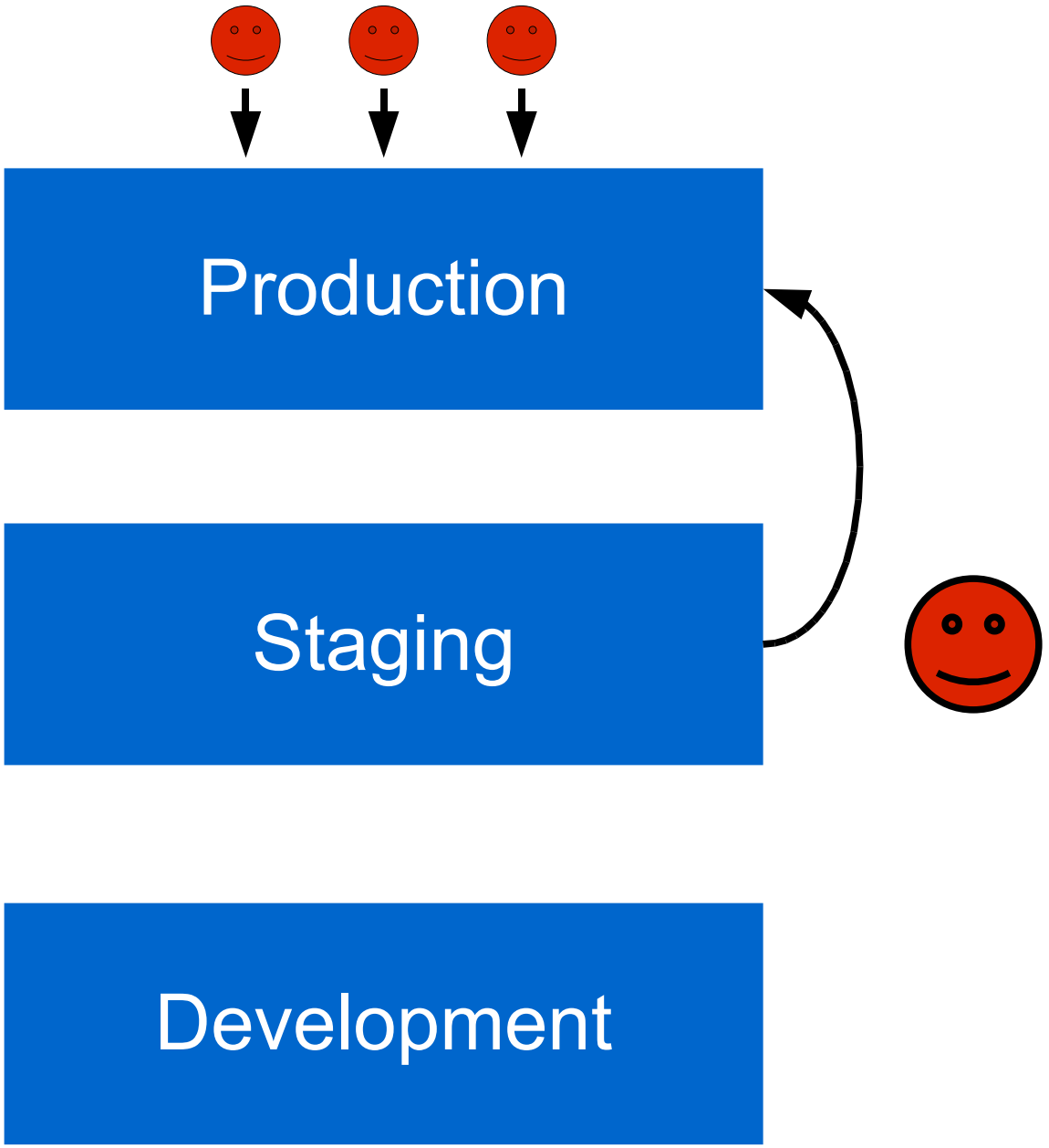
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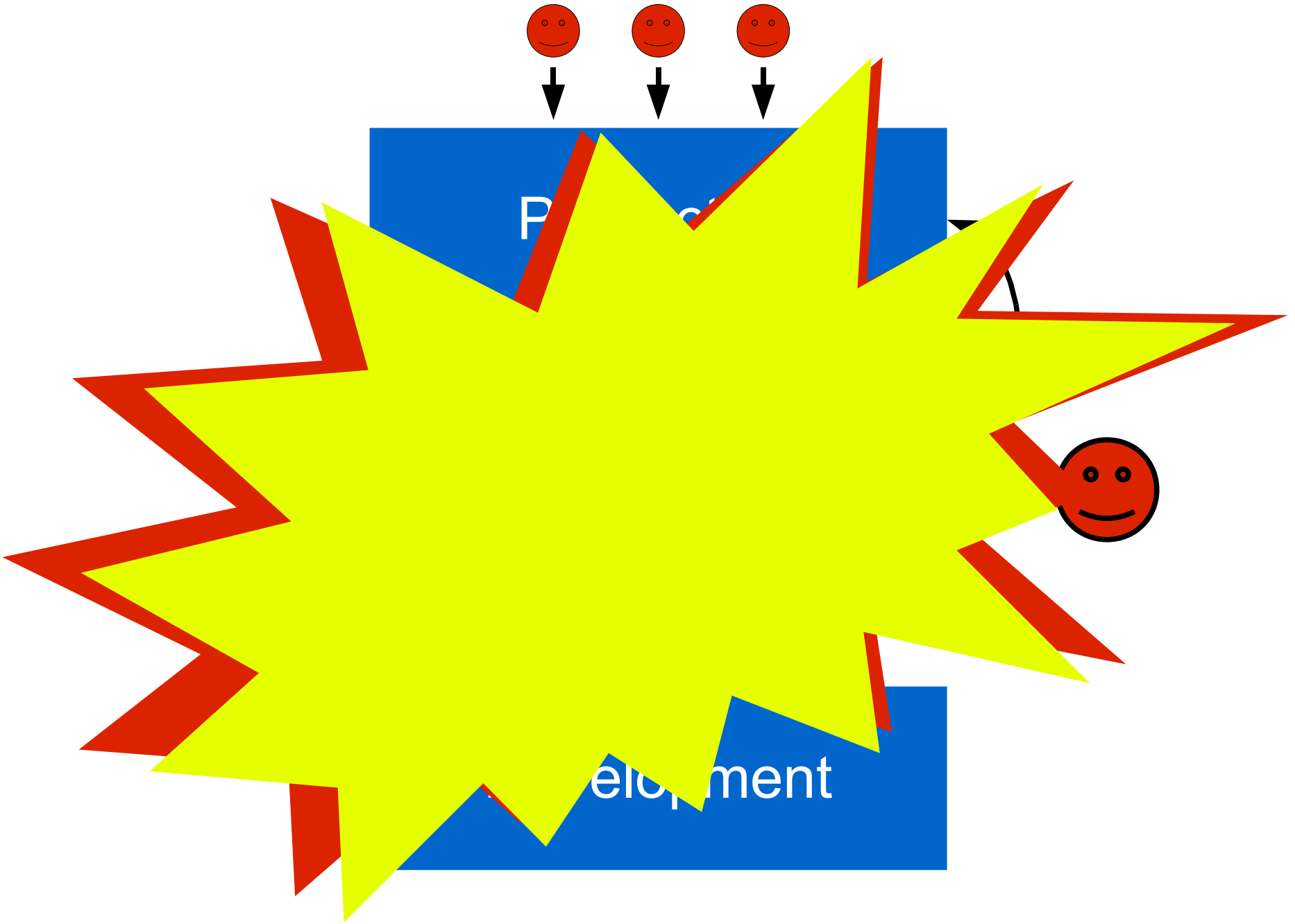

Production

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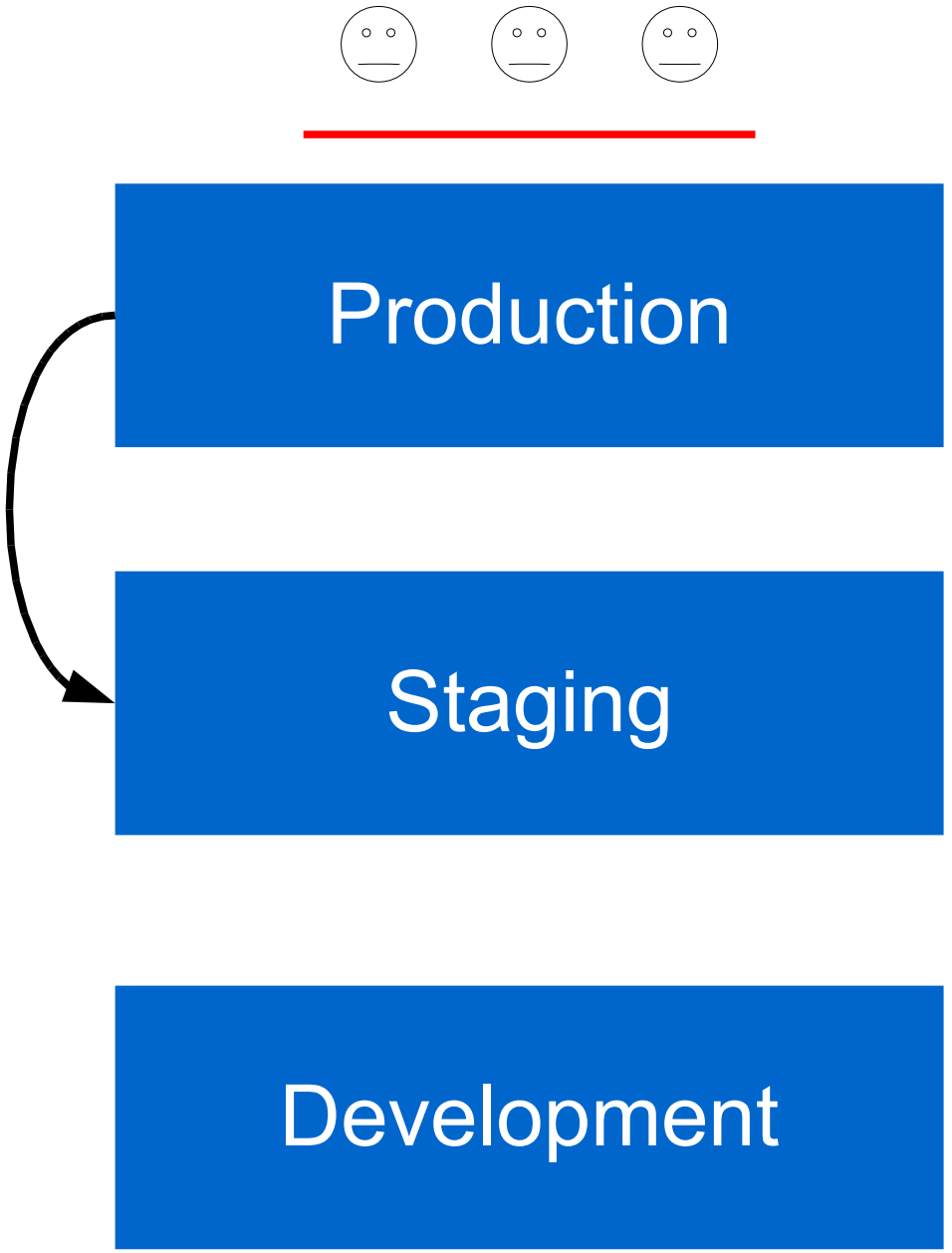
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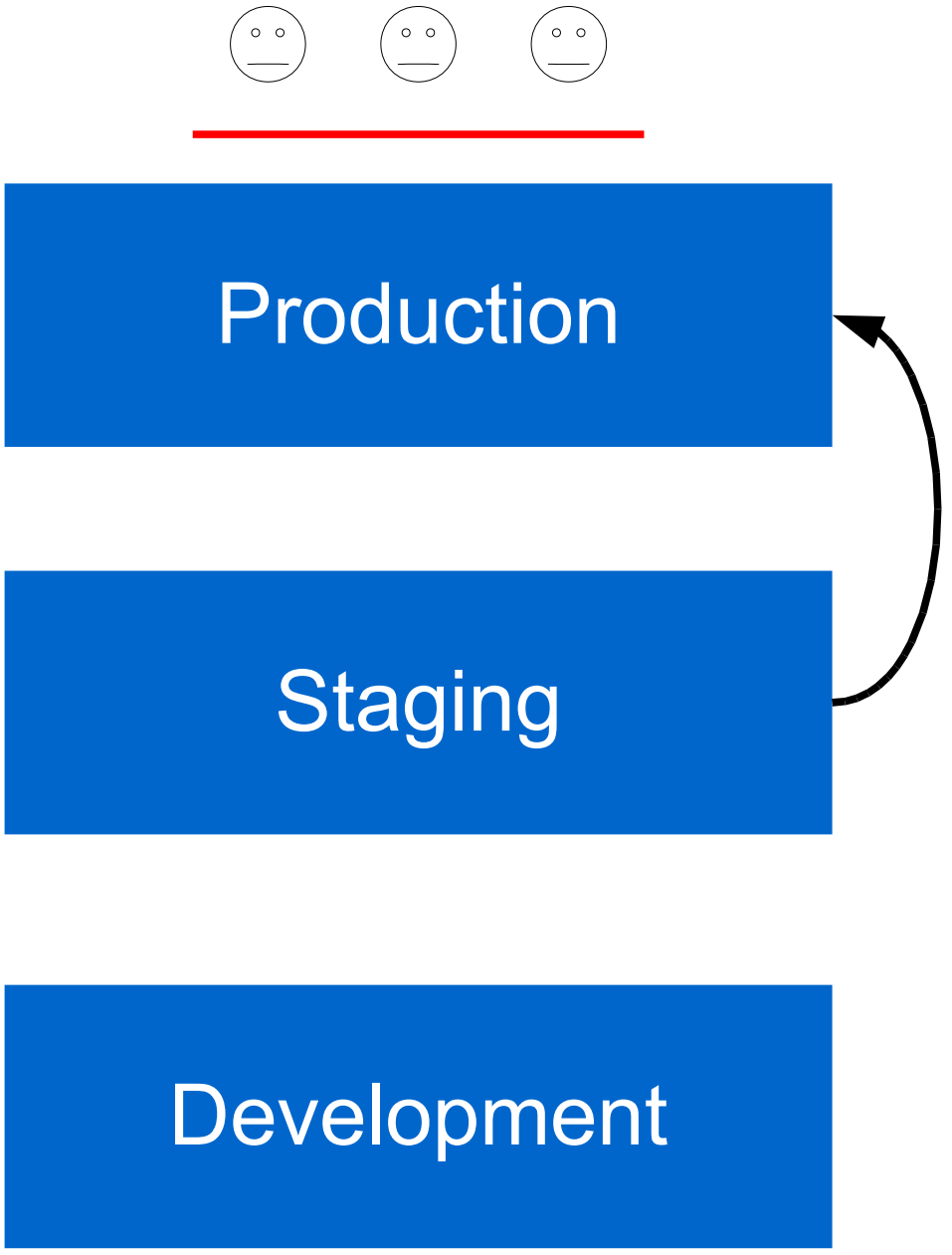
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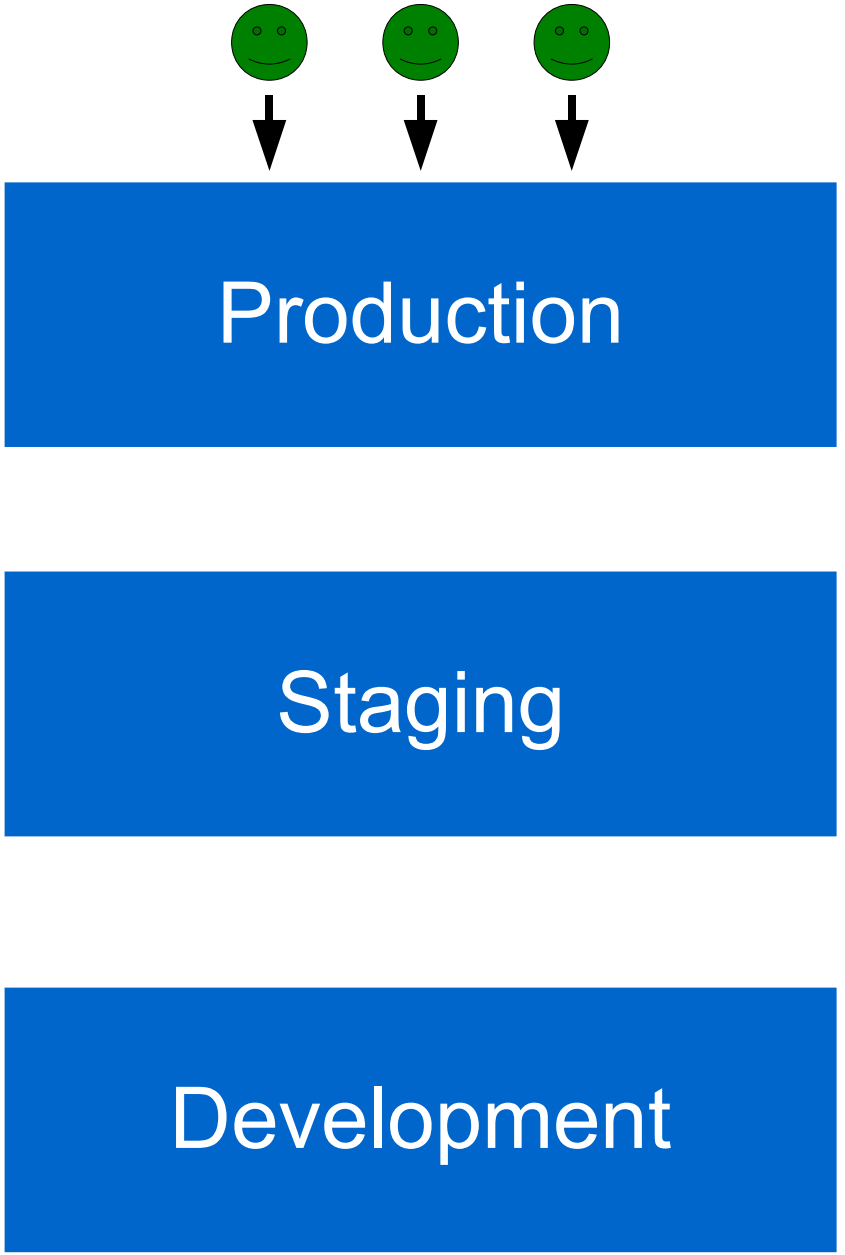
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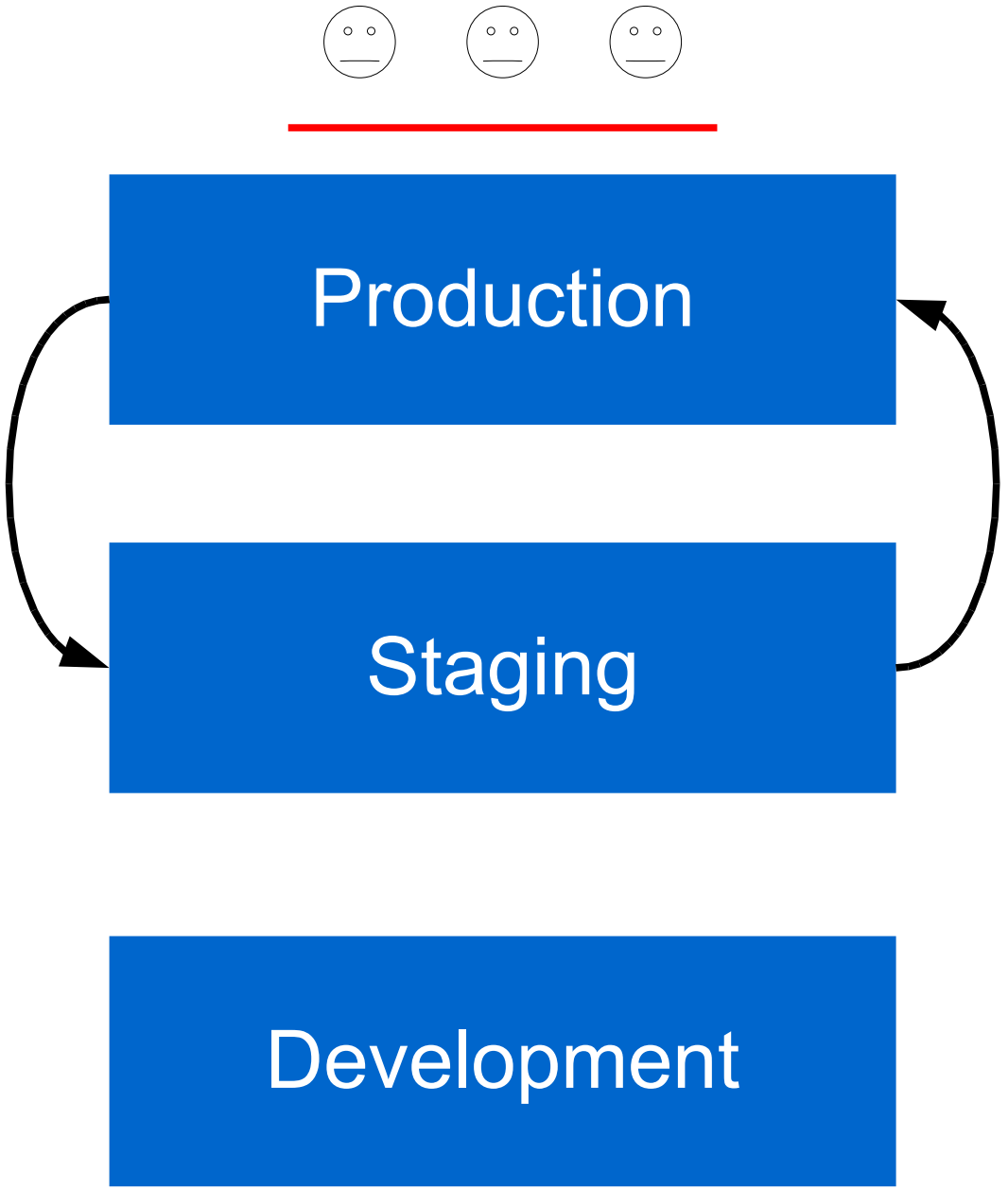
Production
Staging
Development

Automate!

- Use a version control system
  - Use branches for D5 / D6 code
  - svn/git/bzr switch [branch]
- drush
  - Enable / disable modules, run cron, clear caches,…
  - Can be called from shell script

```
#! /bin/bash

# Restore the database.
mysqladmin drop mysite
mysqladmin create mysite
mysql mysite < mysite-*.sql

# Restore the code.
svn switch svn://myrepository/branches/drupal_5

# Run Drupal 5 upgrades.
drush updatedb

# Disable contrib and custom modules.
drush disable cck views bio pathauto [...]

...
```

```
...

# Get the core Drupal 6 code.
svn switch svn://myrepository/branches/drupal_6
rm -r sites/all/modules

# Run core updates.
drush updatedb

# Re-enable contrib modules and run updates
svn up sites/all/modules
drush enable cck views content_profile [...]
drush updatedb

drush cache clear
drush cron
```

Result

- Take site offline
- Copy production DB and files
- Run script
- Push new code, DB and files to production
- Put site back online

- Quick
- Reliable

Tips

- Make backups, often
- Make frequent updates
- Order matters !
- Disable contact with web
- Clean up before & after
- Keep it simple
- [...]

Questions Now ?

- Your problems
- Your solutions

Questions Later ?

- florian@happypixels.net
- flobruit on drupal.org and #drupal IRC
- Slides: http://happypixels.net/blog/upgrading-drupal