

Configuring WordPress for Multiple Environments



Who am I?

Jason McCreary

<u>jmccreary@viastudio.com</u> @gonedark

- Louisville, KY
- Production Lead at VIA Studio
- Web Developer since 1999
- PHP since version 3
- Active StackOverflow member
- http://jason.pureconcepts.net (shhh! It's not WordPress, yet...)







How many people...



- How many people...
 - Use WordPress?



- How many people...
 - Use WordPress?
 - Responsible for managing your install?



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- How many people...
 - Use WordPress?
 - Responsible for managing your install?
 - Use a development or test environment?
 - WordPress in a distributed environment?





Configuring WordPress for Multiple Environments



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- It's not that advanced, really!



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- Some demos



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- It's not that advanced, really!
- Examine WordPress component parts
- Some slides
- Some demos
- Please ask questions



"We have to be careful [...] people might think WordPress is a real CMS, useful for more than just a blog."



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Matt Mullenburg
WordPress Wins CMS Award

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"[...] instances of the phrase 'WordPress blog' are gone from the core source files, replaced with the all-encompassing phrase 'WordPress site.'"

Andrew Nacin Changeset 14315

"Any serious development project should follow a software development lifecycle. This implies source code management and at least a development and production environment. Unfortunately WordPress doesn't really scale well in this area out of the box."

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Jason McCreary http://bit.ly/r8jFm3



Demo: 5 minute install...





gonedark Jason McCreary
The WordPress 5 minute install... #fail
1 minute ago



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1 minute ago



gonedark Jason McCreary
Actually it's not #fail, but come to my talk at WordCamp Chicago.
#WCChicago

now



gonedark Jason McCreary
The WordPress 5 minute install... #fail
1 minute ago



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We setup WordPress for one environment...



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1 minute ago



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- We setup WordPress for one environment...
- But I have other environments...





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- But I have other environments...
- Do I have to do the install again?





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- We setup WordPress for one environment...
- But I have other environments...
- Do I have to do the install again?
- What happens after install?





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Actually it's not #fail, but come to my talk at WordCamp Chicago.
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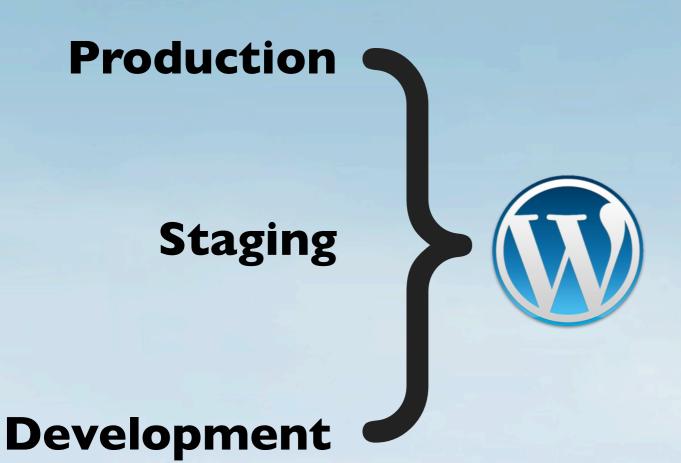
- We setup WordPress for one environment...
- But I have other environments...
- Do I have to do the install again?
- What happens after install?
- I'm confused...



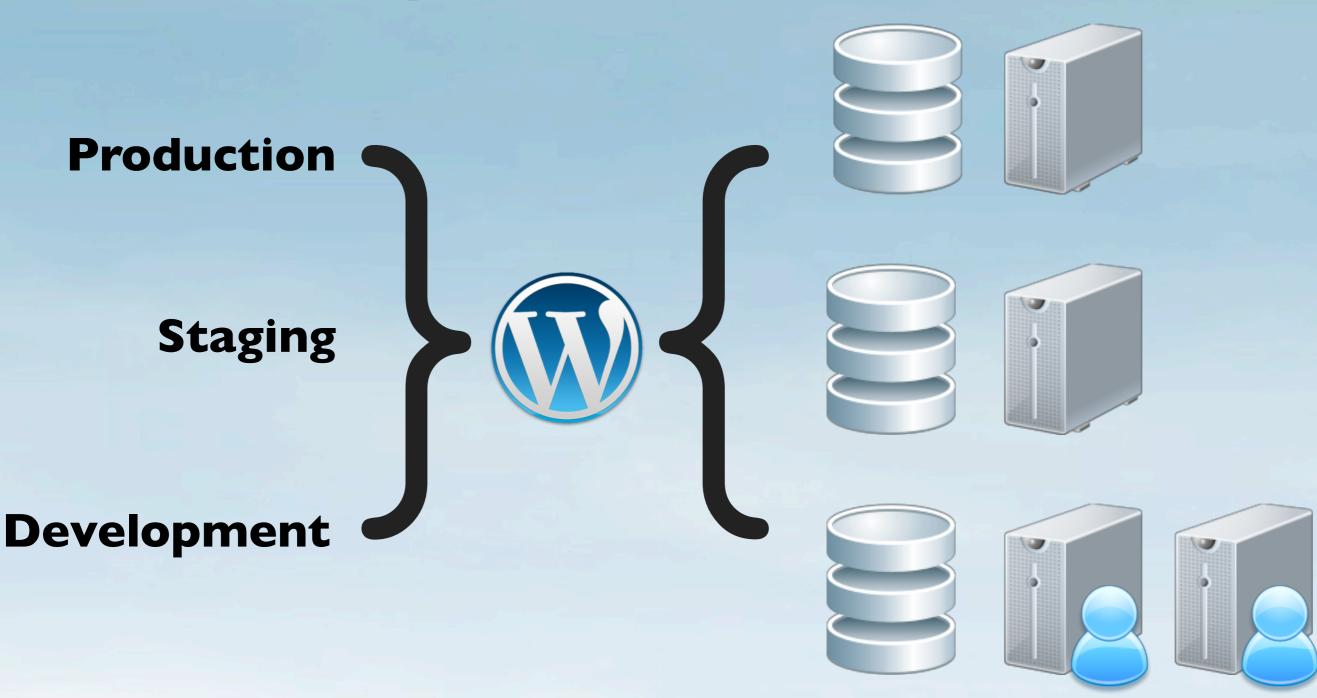




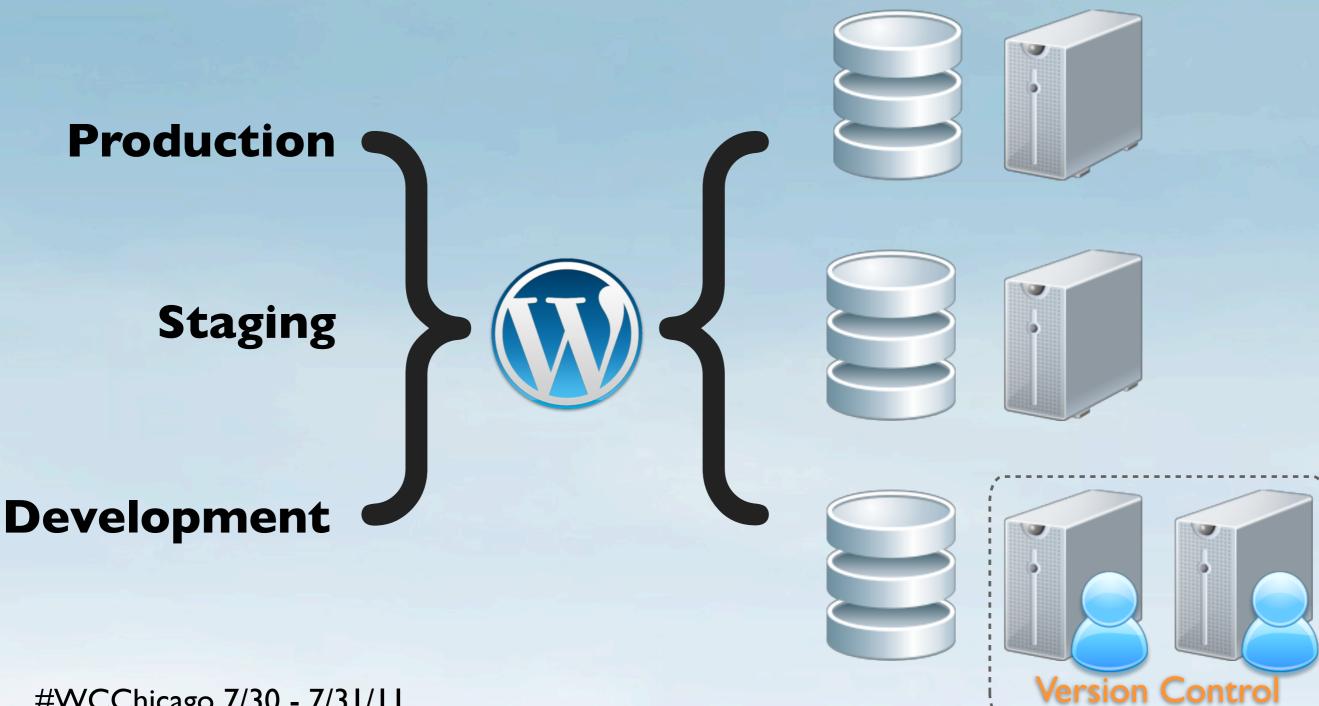






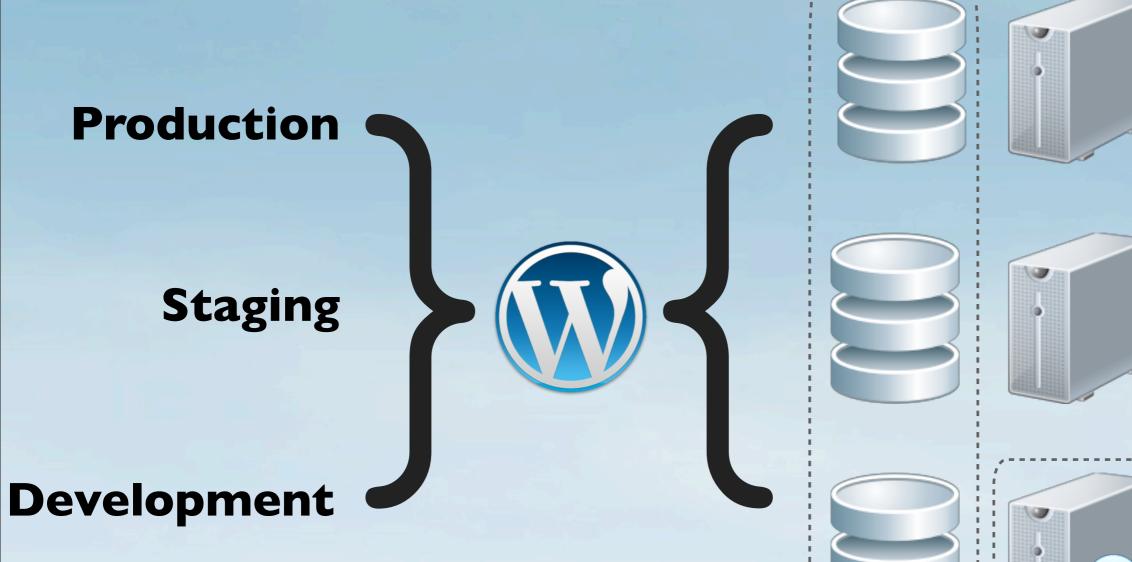






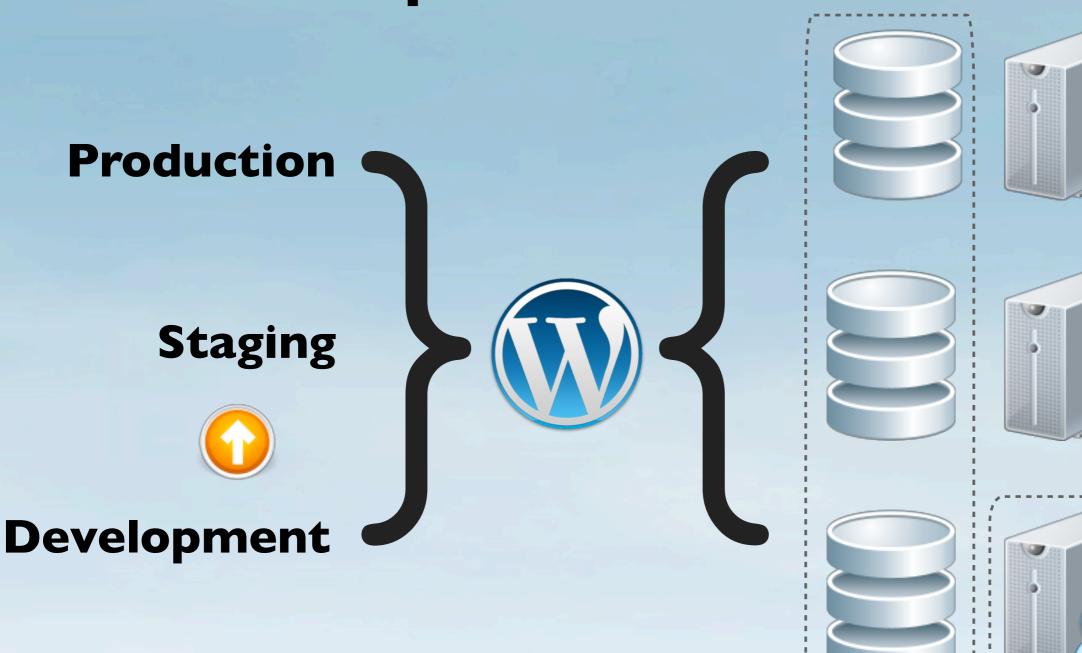


Version Contro

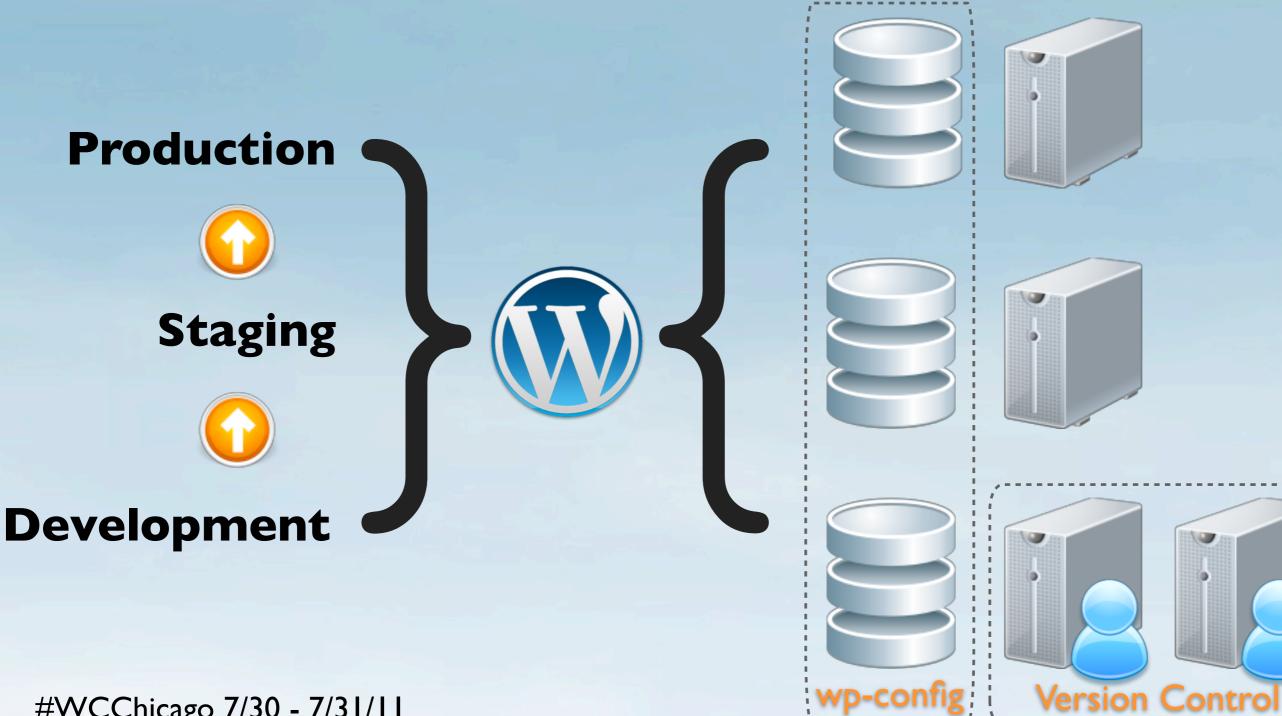




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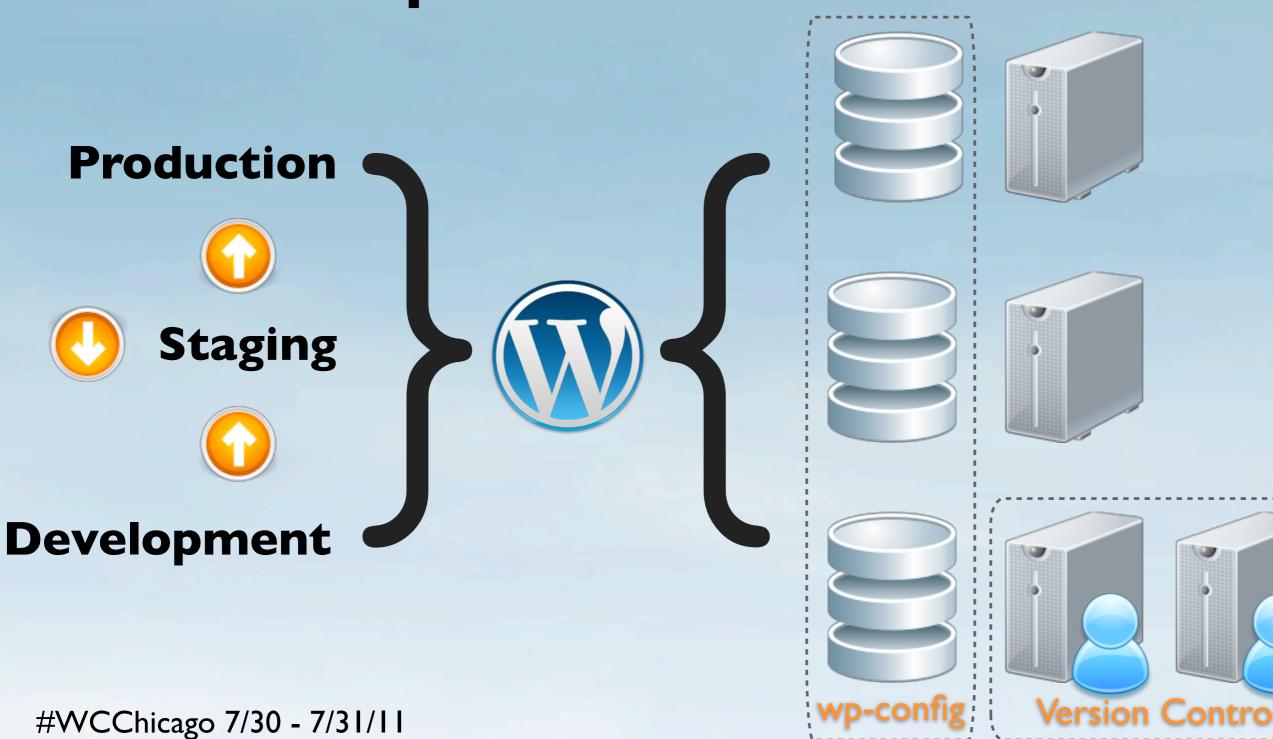








Multiple Environments





Database Configuration



WORDCAMP CHICAGO 2011

Database Configuration

```
// MySQL settings
/** The name of the database for WordPress */
define('DB_NAME', 'database_name_dev');

/** MySQL database username */
define('DB_USER', 'dbuser');

/** MySQL database password */
define('DB_PASSWORD', 'dbpass');

/** MySQL hostname */
define('DB_HOST', 'localhost');
```



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```

option_id _	blog_id	option_name	option_value	autoload
1	0	siteurl	http://actorstheatre.org	yes
37	0	home	http://actorstheatre.org	yes



Demo: wp-config-env.php



What have we done...



What have we done...

By sniffing out the runtime environment we've extended wp-config.php with a configuration specific for that environment. This allows us to run a production-ready WordPress install smoothly on multiple, different environments.

"As part of the WordPress installation, you must modify the wp-config.php file to define the WordPress configuration settings..."

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Codex





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```
/** wp-config-dev.php **/
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define('VIA_ENVIRONMENT', 'dev');
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Configuring Plugins

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```
/** wp-config-dev.php **/
// used to determine environment from easily accessible constant
define('VIA_ENVIRONMENT', 'dev');
```

Configuring Plugins

```
/** wp-config-prod.php **/
// turn on caching
define('WP_CACHE', true);
```



Demo: Development





Database



- Database
 - mysqldump entire database



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 - WordPress Import/Export



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- WordPress Files



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- Use symlinks for shared directories (e.g. uploads/)
- Just move what you need (e.g. wp_posts)
- Don't forget your environment constant (e.g. VIA ENVIRONMENT)
- Migration scripts are your friend





I. Do the 5 minute production install



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- 2. Include environment specific wp-config.php



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- 5. Deploy
- 6. Repeat 4 and 5



Questions