



Drupal Debian Packaging with Drush

Presented by Josh Waihi

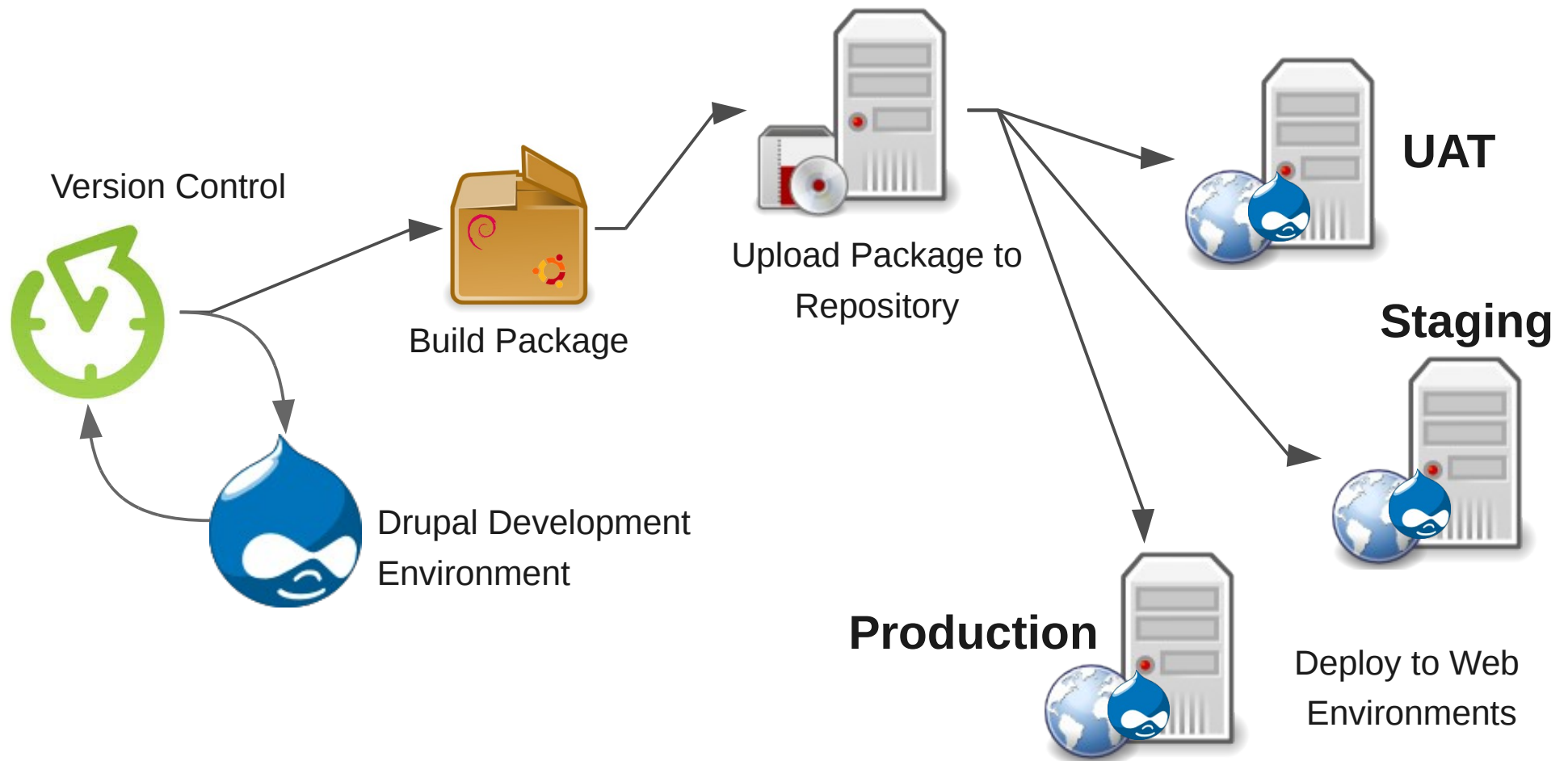


Why package Drupal?

- Deploy Web Root
- Configure Virtual Host
- Setup Cron
- Setup Log Rotations
- Follow OS conventions
- Automate pre/post installation/upgrade tasks
- Require software dependencies
- Apt-get + dpkg power
- Controlled Deployment



High Level Package Deployment Workflow



Dynamic Packaging Issues

- Modules such as CiviCRM require multiple database connections.
- Boost module introduces additional Apache configuration.
- Debian packaging cannot implement Drupal module specific configurations based on if the module is used or not.



Drush dh-make

- Automated debianisation
- Build packages on the fly
- Version control friendly
- Exposes Debian package building to the Drupal Hook system
- Exposes Debian package installation to the Drupal Hook system
- Leverages off of Drush conventions such as drushrc.php



Currently Supported

- Environment setups
 - Apache2 + libapache2-mod-php5
 - Nginx + Apache2 + libapache2-mod-php5
 - Nginx + PHP5-CGI
- Drupal CGI Daemons
- PostgreSQL & MySQL friendly
- SSL
- IPv6
- Server Redirects
- Load Balanced Environments (atomic behaviour)



Currently Supported

- Cron runs via drush
- Web server and cron log rotations
- Debian packing conventions
 - /var/www for webroot
 - /etc for configuration
 - /var/lib/sitedata for
- Can deploy multiple Drupal packages to a single server



Demo with Git

Try it out

- Install from Catalyst unstable directory
deb <http://debian.catalyst.net.nz/catalyst> unstable catalyst
apt-get install drupal-dev-tools
- No source respository available yet
- No Drupal Module on <http://drupal.org> created yet.
- Patches welcome to josh@catalyst.net.nz