Updating Drupal

Tri-Valley Drupal Users Group

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Drupal

References and Credits

- Definitive Guide to Drupal 7   *(Chap 7 & 26)*

- UPGRADE.txt   *(Drupal core)*

- update.php   *(Drupal core – changed in D6/D7)*

- kristen.org   *(http://www.kristen.org/content/updating-drupal-site-code-command-line)*

Drupal

What is an "update"?

- Minor point upgrade of Drupal core

  - Drupal 7.8 to 7.9

  - Drupal 6.12 to 6.26

    - You can make "big" jumps like this within a given release

- Minor point upgrade of a Drupal module

  - pathauto 7.x-1.0 to 7.x-1.1

  - pathauto 6.x-1.5 to 6.x-2.0   *(could be tricky – "major" version upgrade)*

Drupal

Why update?

- Security fixes
  - Vulnerability is known once fix is out

- Feature updates
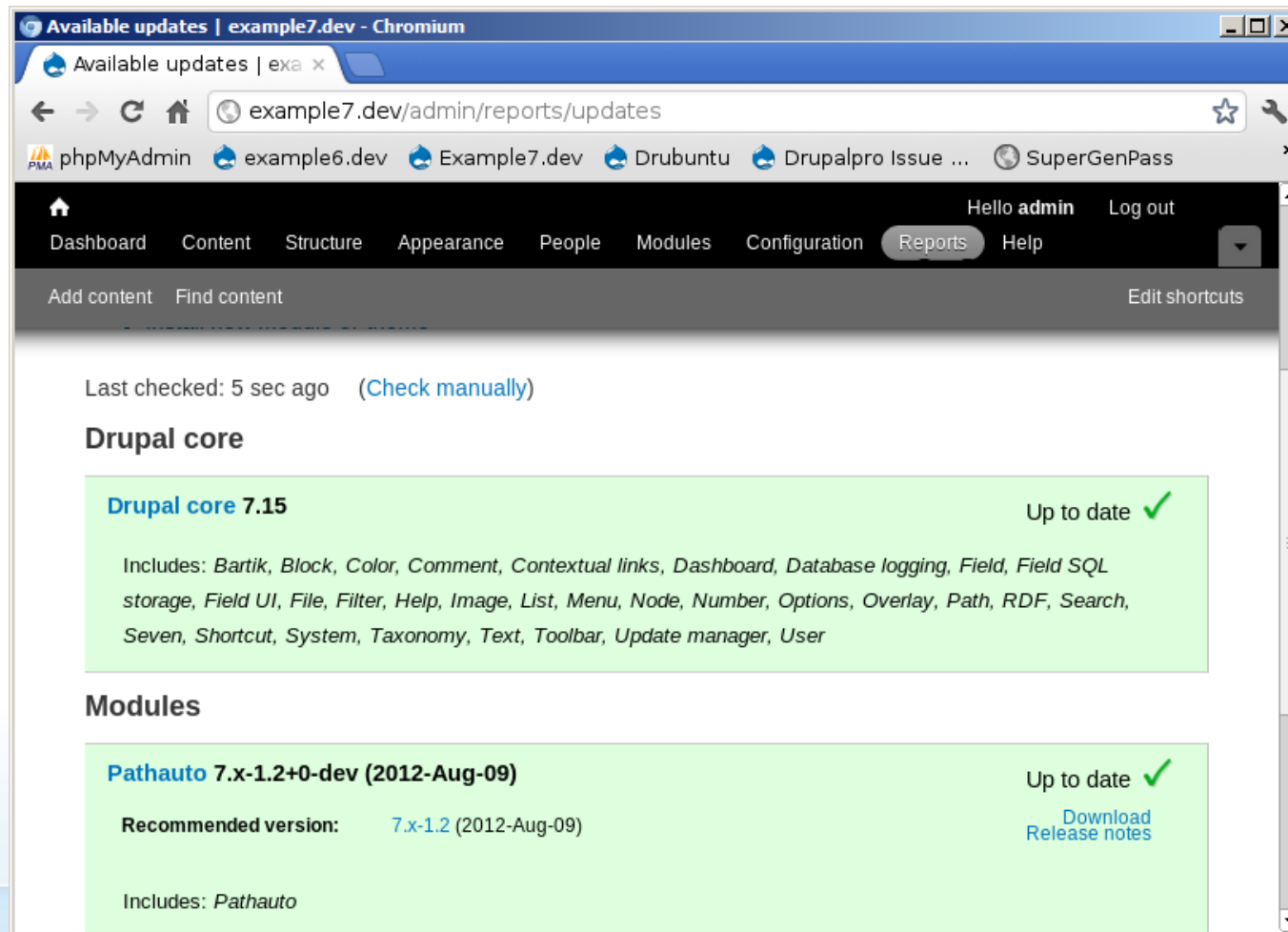 - Some lay groundwork for major version upgrades

Drupal

Why not update?

- Feature-only update
  - Don't need feature

- Security fix for module you don't use
  - ex. fix only for issue in Aggregator module which you don't use

- Currently, feature-only updates are not separated from security-only updates

Drupal

Check version status (web)

- `/admin/reports/updates`

Update preparation

- Work on a backup
  - Local copy of files (version control)
  - Database dump (backup) file
  - "Other" files (images, user files etc.)
- Put site into maintenance mode
- Work during off time
- Update modules first? Probably…see later
- Have automated tests

Minor update methods

- ## Manually *(standard per UPGRADE.txt)*

- `drush pm-update` or `pm-updatecode/updatedb`

- ## Apply diff patch

  - Definitive Guide to Drupal 7 Chapter 7

- ## Git branches

  - http://luhman.org/files/git-for-drupal.pdf *(page 8)*

- ## Drupal as a service (Pantheon, Acquia)

Drupal

Manual update method

- Said to be "safest"

- Disable modules? Not necessary per `UPGRADE.txt`

- Copy Drupal core files to temp directory

- Copy new files to web directory

    - Need to keep track of your custom and contrib files

        - `.htaccess, robots.txt, settings.php`

- Visit `update.php`

- Status at `/admin/reports/status`

- Return out of maintenance mode

- **Pretty tricky and error prone**

Drush update – modules

```
$ drush pm-updatecode --no-core
```

Checking available update data ...
Update information last refreshed: Thu, 08/16/2012 - 21:22

Update status information on all installed and enabled Drupal projects:

Name	Installed version	Proposed version	Status
Drupal	**7.14**	**7.15**	**Update available**
Pathauto (pathauto)	7.x-1.2+0-dev	7.x-1.2	Up to date
Token (token)	7.x-1.2	7.x-1.2	Up to date
Webform (webform)	**7.x-3.17**	**7.x-3.18**	**Update available**

Skipping core update (--no-core specified).

Code updates will be made to the following projects:

Webform [webform-7.x-3.18]

Note: A backup of your project will be stored to backups directory if it is not managed by a supported version control system.

Note: If you have made any modifications to any file that belongs to one of these projects, you will have to migrate those modifications after updating.

Do you really want to continue with the update process? (y/n):

Drupal

Drush update modules – cont.

```
$ git diff --stat
 sites/all/modules/webform/components/file.inc      |   12 +++
 sites/all/modules/webform/components/grid.inc      |    4 +-
 sites/all/modules/webform/components/hidden.inc    |    9 --
 sites/all/modules/webform/components/number.inc    |   77 +++++++++--------
 sites/all/modules/webform/components/pagebreak.inc |   17 ++++
 ...

$ drush updatedb
No database updates required
```

- *drush pm-update (up) equals pm-updatecode PLUS updatedb*

- `drush pm-update` has persistent `--lock` option to prevent module upgrades

Run unit tests *(more later)*

Drupal

Drush update core

```
$ drush pm-updatecode    (same as drush upc)

Checking available update data ...

Update status information on all installed and enabled Drupal projects:
 Name                  Installed version   Proposed version   Status
 Drupal                7.14                7.15               Update available
 Pathauto (pathauto)   7.x-1.2+0-dev       7.x-1.2            Up to date
 Token (token)         7.x-1.2             7.x-1.2            Up to date
 Webform (webform)     7.x-3.18            7.x-3.18           Up to date



Code updates will be made to drupal core.

WARNING:  Updating core will discard any modifications made to Drupal core files, most
noteworthy among these are .htaccess and robots.txt.

Note: Updating core can potentially break your site. It is NOT recommended to update production
sites without prior testing.

Do you really want to continue? (y/n): y
```

Drupal

Drush update core *(cont.)*

Project drupal was updated successfully. Installed version is now 7.15.

Backups were saved into the directory /home/drupalpro/drush-backups/example7_dev/20120817045139/drupal.

You have pending database updates. Run `drush updatedb` or visit update.php in your browser.

$ drush updatedb

The following updates are pending:

system module :
  7074 -   This update has been removed and will not run.

Do you wish to run all pending updates? (y/n): y

Performed update: system_update_7074

Finished performing updates.

Drupal

Drush update core (cont.)
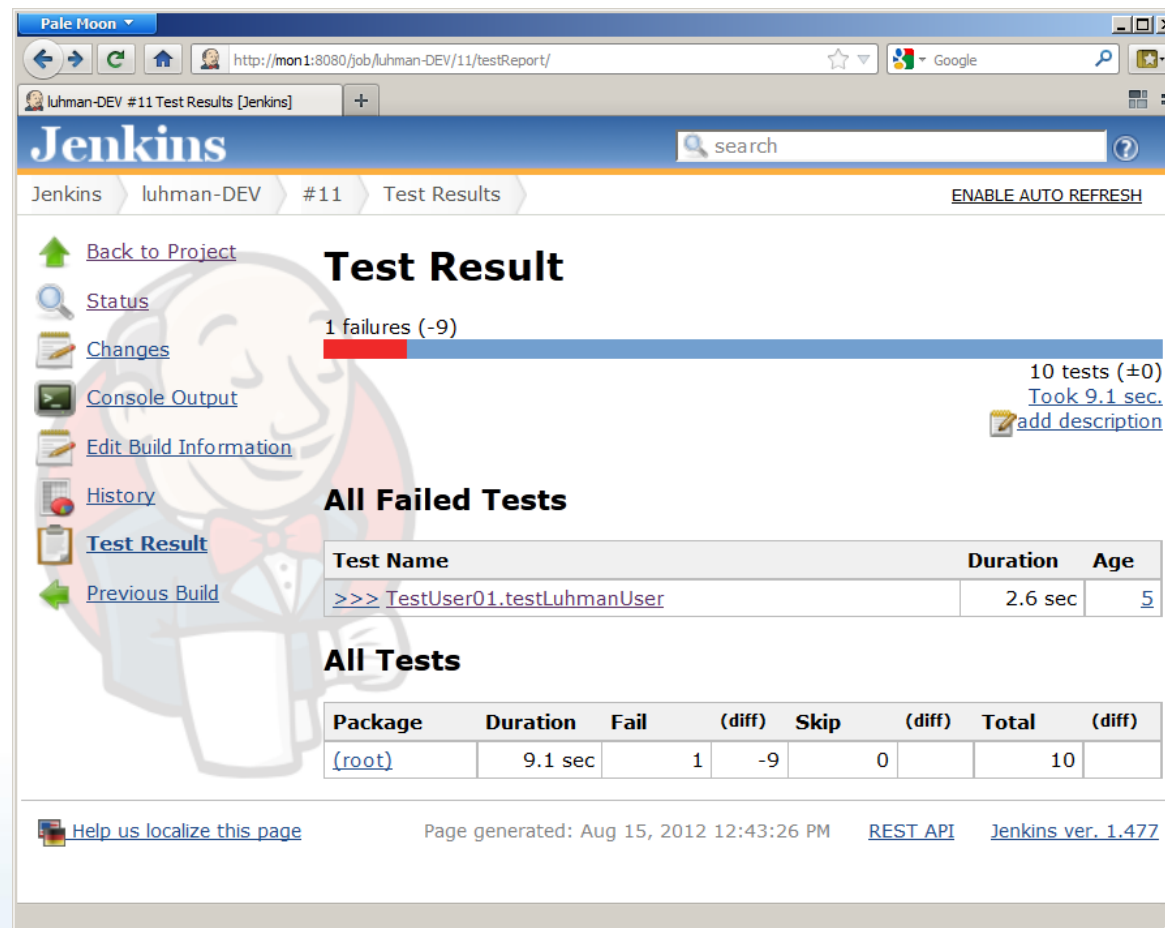
```
$ git diff --stat
 .htaccess                          |     2 +-
 CHANGELOG.txt                      |    52 ++-
 COPYRIGHT.txt                      |    25 +-
 MAINTAINERS.txt                    |     6 +-
 UPGRADE.txt                        |     2 +-
 authorize.php                      |     1 -
 includes/bootstrap.inc             |    49 ++-
 includes/common.inc                |   107 +++++--
 includes/database/database.inc     |     9 +-
...
```

Test and commit if good

Confirm with automated testing

- I use SimpleTest suites driven by Jenkins

Review

- Backup `drush archive-dump` *(includes files)*

- Git housekeeping `git status, tag`

- Update Drupal core `drush upc drupal, updatedb`

- Apply custom patches if necessary

- Test site `/admin/reports/dblog`

- Git housekeeping `git status, add, commit tag`

- Update modules `drush upc [modules], updatedb`

Drupal

Thank you!

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Drupal