Drush + Multisite: drush_multi

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whoami

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cat ~/ddd/slides/drush_multi/toc

- Drush

- Multisite

- drush_multi

- Motivation

- Commands

- Pitfalls

- Appendix

- Credits

- Q & A

whatis drush

whatis drush

DRUpal SHell

- Projectpage:
  http://drupal.org/project/drush

- Mostly on unixoid systems

- PHP-CLI Script

- No Drupal module

  → Needs no Drupal installation

  → Independent from Drupal version(5.x, 6.x, 7.x)

Multisite

```
drupal/
|-- 6.x -> drupal-6.14
|-- 6.x_backup
|-- 6.x_profiles
|-- 6.x_sites
|    |-- all
|    |-- default
|    |-- example.com
|    |    |-- files
|    |    |-- modules
|    |    `-- themes
|    `-- sub.example.com
|         |-- files
|         |-- modules
|         `-- themes
`-- drupal-6.14
     |-- backup -> ../6.x_backup
     |-- includes
     |-- misc
     |-- modules
     |-- profiles -> ../6.x_profiles
     |-- scripts
     `-- sites  -> ../6.x_sites
```

firefox http://drupal.org/project/drush_multi

drush_multi

- Project-page
  http://drupal.org/project/drush_multi

- Doxygen Documentation
  http://is-loesungen.de/docu/drush_multi

- Requires drush >= v.3.0-beta1

- State: „Experimental"

- Installation over CVS

- @todo's
  http://is-loesungen.de/docu/drush_multi/todo.html

why?

Motivations

- Shellscript VS drush command

- Got sparetime

- Admins are lazy

- i <3 drush

multi-create (mcr, create)

Creates a multisite installation [1].

```
Examples:
 drush multi-create /var/www 6        Create a drupal 6 installation in
                                      /var/www with creating the directories
                                      6.x_backup, 6.x_profiles and 6.x_sites
                                      in /var/www linked as backup, profiles
                                      and sites and backup withing the
                                      drupal installation folder.


Arguments:
 /path/to/installation                Directoy where drupal should be
                                      installed. Mandatory.

Options:
  --makefile                          Path to drush_make makefile.
                                      The makefile must contain the core
                                      specification (eg. "core = 6.x" for
                                      Drupal 6) and Drupal as Project
                                      projects[] =  drupal).
                                      (projects[] =  drupal).
  --core                              Drupal core version (5.x, 6.x).
```

multi-site (msi, site)

Creates a site within the installation.

Examples:

```
 drush -r /path/to/drupal multi-site        Create the site 'example.com'
 example.com                                within a 'files', a 'themes',
 --create-directories=dir1,dir2,dir3        a 'modules' directory  and the
                                            additional directories 'dir1',
                                            'dir2' and 'dir3' in
                                            /path/to/drupal/sites.
Arguments:

 Site-name                                  Name of the site. Mandatory.

Options:

 --create-directories                       Comma seperated list of
                                            aditional directories.
```

multi-status (mst)

State of a multisite installation.

```
drush -r /path/to/drupal multi-status
```

Extends the `drush status` with

- Sites
- Sitecounter
- Previous Drupal versionen
- Core status

multi-exec (mex)

Batch operations over all sites [2].

```
Examples:
drush -r /path/to/drupal multi-exec

Arguments:
 command                         The drush command to execute. For drush
                                 commands with blanks like 'watchdog show'
                                 make sure to use single or double quotes.
                                 Mandatory.


Options:
   --argument                    Argument to pass to drush command e.g.
                                 'php' as type for 'watchdog delete' and
                                 'watchdog show'. Optional.

  --option                       Option to pass to drush command. e.g.
                                 '--limit=20' for 'watchdog show'.
                                 The number of messages to show.
                                 Optional.
```

`multi-sql-dump (msq)`

SQL dumps over all sites. (Batch-Mode)

```
Examples:
drush -r /path/to/drupal multi sql dump --bzip2 --comment=before-
update-to-6.15  --destination=$HOME/db_backups

Options:
  --target                            Absolute Path to the directory where to
                                      store the sql dumps. Default /tmp.
  --dump-type                         Arguments:
                                      "full" Creates one file for all tables
                                      (default).
                                      "tables" Creates for each table within
                                      each database a seperate file.
  --comment                           Comment for filename. May contain
                                      alphanumics, '-' and '_'. Optional.
  --datetime                          Adds an optional datetime string to each
                                      result file. Format YYYY-MM-DDThh:mm
  --bzip2                             Use bzip2 for compression of each sql
                                      dump. Optional
```

multi-nagios (mna, nagios)

For the usage as Nagios plugin.

```
drush -r /path/to/drupal multi-nagios


Options:
 --file    Path to release information file, this could
          be a (temp) file to avoid nrpe-socket-timeouts.
          It is also possible to supply path via URI,
          like http://updates.drupal.org/release-
          history/drupal/6.x.
```

Monitors the Drupal-Installation on core updates.
Message output and exit status. (0 = OK, 2 = Critical)

return MULTI_NAGIOS_OK;

Service State Information

Current Status:	**OK** (for 3d 9h 23m 31s)
Status Information:	DRUPAL ROOT OK - drupal-6.16 @ /home/florian /public_html/drupal/6.x is uptodate.
Performance Data:	
Current Attempt:	1/4 (HARD state)
Last Check Time:	2010-05-07 17:39:13
Check Type:	ACTIVE
Check Latency / Duration:	0.147 / 6.097 seconds
Next Scheduled Check:	2010-05-07 18:39:13
Last State Change:	2010-05-04 08:39:13
Last Notification:	N/A (notification 0)
Is This Service Flapping?	**NO** (0.00% state change)
In Scheduled Downtime?	**NO**
Last Update:	2010-05-07 18:02:43 (0d 0h 0m 1s ago)

return MULTI_NAGIOS_CRITICAL;

Service State Information

Current Status:	**CRITICAL** (for 2d 9h 9m 42s)
Status Information:	DRUPAL ROOT CRITICAL - drupal-6.15 @ /home/florian/public_html/drupal/6.x: drupal-6.16 (2010-03-04 01:20) available, see http://drupal.org/node/732000 for details.
Performance Data:	
Current Attempt:	4/4 (HARD state)
Last Check Time:	2010-03-06 11:25:06
Check Type:	ACTIVE
Check Latency / Duration:	0.040 / 1.915 seconds
Next Scheduled Check:	2010-03-06 12:25:06
Last State Change:	2010-03-04 02:22:06

multi-drupalupdate (`mdr, drupalupdate`)

Update of the Drupal core...

```
Examples:
 drush -r /path/to/drupal            Update your drupal installation
  multi-drupalupdate                 to the recommended release.

 drush -r /path/to/drupal            Runs a "multi-drupalupdate"
  multi-drupalupdate                 on /path/to/drupal with making sql
  --sql-dump                         dumps of all  sites with optional
  --comment="before drupaldate"      comment "before drupalupdate" for
  --updatedb                         sql dump filenames and execution of
                                     "updatedb" afterwards.

Options:
 --sql-dump                          Calls multi_sql_dump for all sites
                                     before starting the drupalupdate.
                                     See "drush help multi-sql-dump" for
                                     options and details.
 --updatedb                          Put sites in maintenance mode
                                     before drupalupdate, execute
                                     updatedb and put sites back from
                                     maintenance mode after drupalupdate.
```

preg_match(): No ending delimiter '^' found

Pitfalls

- Found Drush hooks by random[3]

- Removement of the Shebang in `drush.php`[4][5]

- Renaming from `dl` to `download`
  → Introduction of aliases in drush 2.1[6][7]

- Change in `drush_scan_directory()` in drush 2.1:
  → Replaced `ereg()` through `preg_match()`

- Returnvalue of `_pm_get_update_info()` differs from Drupal 5.x to 6.x

- PHP 5.3 :D

Appendix

[1] #652778 Similar functionality coming to drush core.
http://drupal.org/node/652778
@see also #628996: Concurrently execute a single drush command on multiple sites.
http://drupal.org/node/628996

[2] Drush Make Projectpage
http://drupal.org/project/drush_make

[3] #349923 drush_invoke : a flexible API for hooking into any and all drush calls.
http://drupal.org/node/349923
→ drush >= 2.1 in `drush.api.php`

Appendix

[4] #586466 Drush.php is no longer directly executable (can interfere with backend invoke) http://drupal.org/node/586466

[5] #549494 Support for command aliases http://drupal.org/node/549494

[6]Blogpost about the 2.1 release of drush http://netzaffe.de/blog/2009/10/27/drush-6-x-2-1-release.html

cat ~/workspace/drush_multi/CREDITS.txt

- hundfred

- robertDouglass

- JAM

- Cyberschorsch

- @andkoe

- torstenzenk

- hansfn

Last but not least

- moshe weitzman

- greg.1.anderson

`which; whatis; who >/dev/null`

Questions?

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