

# Drupal site administration - Library servers

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The scripts we use assume a directory layout like this

- libweb
  - sites
    - [domain name]
      - htdocs
        - [ Drupal site is here ]
      - sites
        - default \*
          - settings.php
          - files [for Drupal 6 and 'public files' for Drupal 7 ]
            - backup\_migrate
    - make (this is only on the test server)
      - [domain name]
        - [domain name].make
    - drupal\_files [private files for Drupal 7 ]
      - backup\_migrate

and assume there is a [drush alias](#) set up for the site called @[domain name] .

*\* it does not work with a domain name here!*

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## How to get yourself set up to use the scripts

- do this on each machine (victoria01, victoria02, victoria03)

```
cd ~
git clone git@github.com:cul-it/drupal-site-moves.git
```

## How to change the modules and themes

- if the drush.make file is in git
  - it will likely be in github in cul-it in a repository named after the site
    - eg. www-library-cornell-edu corresponds to [www.library.cornell.edu](http://www.library.cornell.edu)
  - clone the repo to your local machine to do the updates, then check back in on the master branch
- if the drush.make file is in subversion
  - do a subversion checkout of <https://svn.library.cornell.edu/cul-drupal>
  - find your make file under cul-drupal/[drupal\_6 or drupal\_7]/make/[your site name]/[your site name].make
- add lines or modify the version of the module listed according to the [drush make file format](#) (use other sites for examples)
- check in the changed version

## How to rebuild your site

- go to victoria02 and cd /libweb/sites/[your site name]/make
- dr-make.sh @[your site name]
- Note: the alias argument @[your site name] is no longer necessary for dr-make.sh
- a few sites on victoria02 use drush.make files stored in git
  - use ~/drupal-site-moves/dr-make-git.sh for these
  - main1.test.library.cornell.edu

## How to update your theme/module code on the site

- make changes on your copy and check them in to svn
- go to victoria02 and cd /libweb/sites/[your site name]/htdocs/sites/all/[modules or themes]/[your code's name]
- svn up

## How to work with your custom themes/modules

- check out svn copies on your machine
- edit/whatever the copies
- check in changes

## Moving sites between machines

- [You need to have ssh keys set up so you can get to the other machine without a password prompt](#)
- one easy way to do this is set up the drush command 'pushkey'
  - read all about it: [https://www.drupal.org/project/drush\\_extras](https://www.drupal.org/project/drush_extras)

- PUSHKEY

```
drush pushkey user@host.domain.com
```

Creates an ssh public/private key pair in \$HOME/.ssh, if one does not already exist, and then pushes the public key to the specified remote account. The password for the destination account must be entered once to push the key over; after the key has been stored on the remote system, subsequent ssh and remote drush commands may be executed using the public/private key pair for authentication.

IN DRUSH EXTRAS because is is Linux / openssl-specific.

- install it in your user's drush
  - log in to victoria02
  - drush dl drush\_extras
- use it
  - log in to victoria02
  - drush pushkey [nid123@victoria01.library.cornell.edu](mailto:nid123@victoria01.library.cornell.edu)
  - prompts for password on victoria01 one time
  - now try
    - ssh [nid123@victoria01.library.cornell.edu](mailto:nid123@victoria01.library.cornell.edu)
    - no password prompt, right?

*once the ssh keys are set up, you can avoid lots of extra*

*Enter passphrase for key '/home/user/.ssh/id\_rsa'*

*prompts by using this command:*

```
ssh-add
```

*See this: <http://blog.joncairns.com/2013/12/understanding-ssh-agent-and-ssh-add/>*

### How to get the latest versions of the scripts

- grab the new scripts from github
  - cd ~
  - git clone [git@github.com:cul-it/drupal-site-moves.git](https://github.com/cul-it/drupal-site-moves.git)
  - cd ~/drupal-site-moves
  - git pull

### How to set permissions on a site

- log in to the server where the site is via ssh
- get the latest versions of the scripts
- ~/drupal-site-moves/set\_permissions.sh <site name>

### How to move from production to test

- Set permissions for the production site on the production machine
- Set permissions on test site on the test machine
- while logged in to the test machine:
  - ~/drupal-site-moves/pull\_site\_from\_production.sh <production site name> <test site name>
- you are prompted for your password
- you are asked to confirm the site move
- you are asked to inform the site users that you are working on the site on the test server
  - put up the 'Site Under Maintenance' block
- script continues on without requiring any input from you
  - backs up the database
  - moves the site files to the target server
  - installs the backed up database on the target server
- done

### How to move from test to production

- Set permissions for the test site on the test machine
- Set permissions on production site on the production machine
- while logged in to the production machine:

◦ `~/drupal-site-moves/pull_site_from_test.sh <test site name> <production site name>`

- you are prompted for your password
- you are asked to confirm the site move
- you are asked to confirm again
  - you can take down the 'Site Under Maintenance' block while the site is still on the test server
- script continues on without requiring any input from you
  - backs up the database
  - moves the site files to the target server
  - installs the backed up database on the target server
- done