

Good Maintenance: Upgrading your Drupal Site

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Webinar Overview

In this webinar we will talk about:

- Total cost of ownership of a Drupal website
- Why and when to upgrade
- [Q&A]
- Upgrading within the same major release of Drupal
- [Q&A]
- Upgrading to the next major release (e.g. from Drupal 5 to Drupal 6)
- Some tests to do after you upgrade
- Drush
- Working with a contractor
- [Q&A]

Total Cost of Ownership

Free Kittens!



These and other adorable
kittens are in need of a
loving home.

Why upgrade?

For performance and features

- Drupal keeps getting better
- Bugs / glitches are often fixed
- Performance is often improved

Compare: Block management with Drupal 4 & 5

Block	Enabled	Weight	Placement	Operations
Content				
Deals Clearinghouse Footer	<input checked="" type="checkbox"/>	0 ▼	content ▼	configure delete
events_block	<input checked="" type="checkbox"/>	0 ▼	content ▼	configure
Right sidebar				
Constant Contact Button for all users	<input checked="" type="checkbox"/>	-10 ▼	right sidebar ▼	configure delete
New to the Field?	<input checked="" type="checkbox"/>	-8 ▼	right sidebar ▼	configure delete
Experienced PRI Makers	<input checked="" type="checkbox"/>	-7 ▼	right sidebar ▼	configure delete
Navigation	<input checked="" type="checkbox"/>	5 ▼	right sidebar ▼	configure
Contact Us	<input checked="" type="checkbox"/>	10 ▼	right sidebar ▼	configure delete
Disabled				
2008 Conference	<input type="checkbox"/>	-10 ▼	right sidebar ▼	configure delete

Compare: Block management w/ D6

[more help...]

Block	Region	Operations
Header		
+ Quote: Block	Header	▼ configure
Navigation Bar		
+ Nice Menu 1 (Nice Menu)	Navigation Bar	▼ configure
Content		
No blocks in this region		
Left Sidebar		
+ CiviCRM Language Switcher	Left Sidebar	▼ configure
+ CiviCRM Menu	Left Sidebar	▼ configure
+ CiviCRM Quick Add	Left Sidebar	▼ configure
+ CiviCRM Search	Left Sidebar	▼ configure
+ CiviCRM Shortcuts	Left Sidebar	▼ configure
+ CiviCRM Upcoming Events	Left Sidebar	▼ configure
+ Primary links	Left Sidebar	▼ configure
Right Sidebar		
+ Contact	Right Sidebar	▼ configure delete
+ GJD is...	Right Sidebar	▼ configure delete
+ sanfran drupalcon badge	Right Sidebar	▼ configure delete
+ Twitter block	Right Sidebar	▼ configure delete
+ Navigation	Right Sidebar	▼ configure
Footer		

Compare:

Administrator

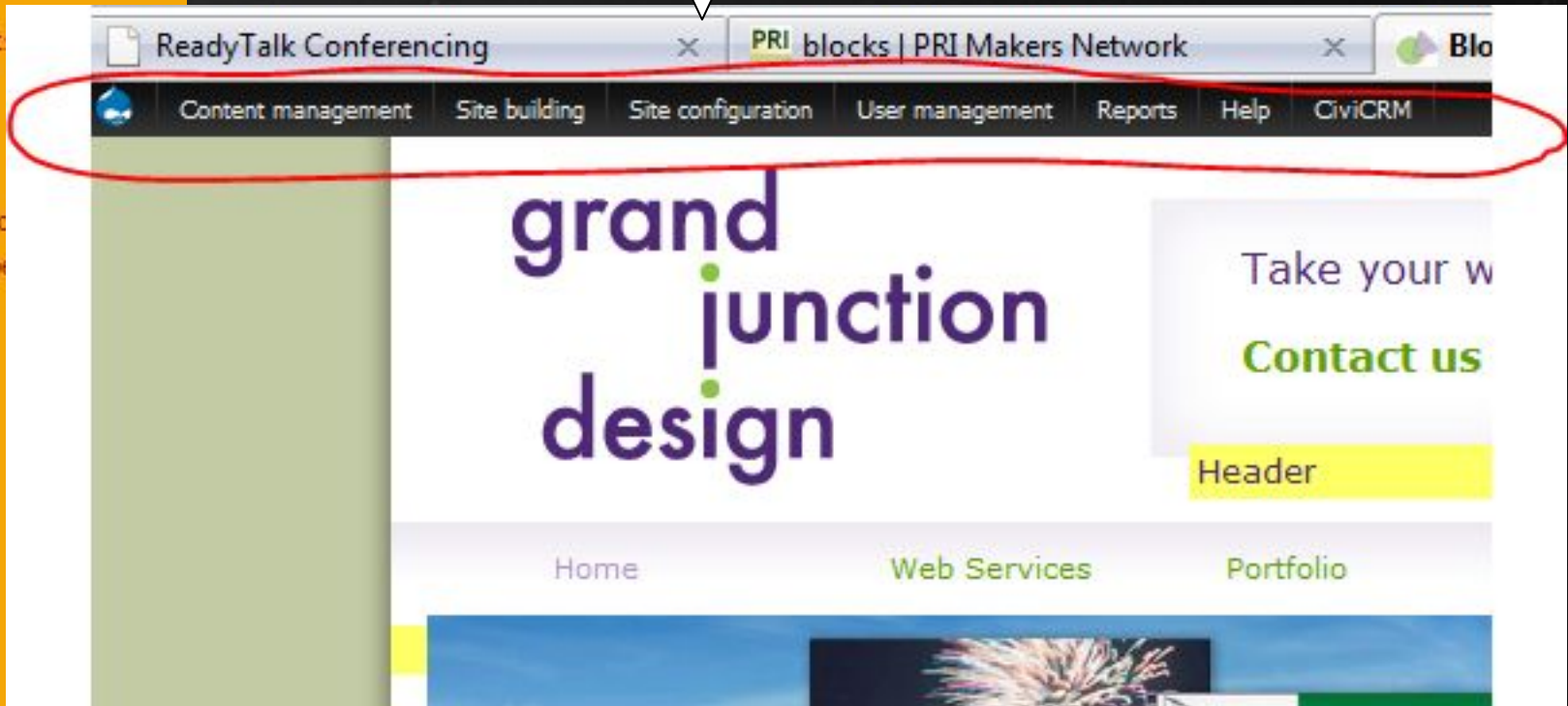
- [Change Password](#)
- ▼ Administer
 - Access Control
 - Blocks
 - Categories
 - Comments
 - ▼ Create Content
 - Deal
 - Event
 - Page
 - Webform
 - ▶ Content
- Forums
- Input Format
- Listhandler
- Logs
- Mailhandler
- ▼ Member Direc
 - Add Membe
- Menus
- Modules
- ▶ Settings
- Themes
- Url Aliases
- Users
- Views
- Webform
- Help
- Log Out



Admin menu in Drupal 4



Admin menu in Drupal 6
(contributed module)



Why upgrade?

To protect your investment

- Protect your data
- Protect your constituents' privacy
- Reduce the chances of being hacked

When should I upgrade?

- If you're on Drupal 5, then you should be upgrading to Drupal 6 in the very near future
- Regardless, you should be applying security patches
- Apply patches immediately if you have:
 - Users submitting information
 - Sensitive or personal information
 - User-submitted attachments (like photos, PDFs, etc)

Upgrade Basics

- How can I learn about upgrades?
 - Email updates from drupal.org/security
 - Update Status module
- What am I upgrading?
- Drupal Version Information

Updating your site within versions

- Backup your database and files
- Put site in maintenance mode
- Download the new version
- Delete all the old files
- Upload the new files
- Run update.php
- Test your site to make sure everything is running properly.
- Update one thing at a time

► **Overview**

Select updates

Run updates

Review log

Drupal database update

Use this utility to update your database whenever a new release of Drupal or a module is installed.

For more detailed information, see the [Installation and upgrading handbook](#). If you are unsure what these terms mean you should probably contact your hosting provider.

1. **Back up your database.** This process will change your database values and in case of emergency you may need to revert to a backup.
2. **Back up your code.** Hint: when backing up module code, do not leave that backup in the 'modules' or 'sites/*/modules' directories as this may confuse Drupal's auto-discovery mechanism.
3. Put your site into [maintenance mode](#).
4. Install your new files in the appropriate location, as described in the handbook.

When you have performed the steps above, you may proceed.

Continue

✓ Overview

▶ **Select updates**

Run updates

Review log

Drupal database update

The version of Drupal you are updating from has been automatically detected. You can select a different version, but you should not need to.

Click Update to start the update process.

▽ Select versions

system module:

No updates available ▼

devel_themer module:

No updates available ▼

devel module:

No updates available ▼

webform module:

No updates available ▼

comment module:

No updates available ▼

Upgrading from Drupal 5 to 6

Two schools of thought here:

1. Run the update script on existing installation
2. Fresh installation, then export/import content

Getting started:

- Are all your modules supported in Drupal 6?
- Scheduling the upgrade
- Setting up the dev site

Changes from Drupal 5 to Drupal 6

- New Views
- New Panels and Context
- Theming Changes
 - Documentation: Drupal.org/node/132442

Running the update from 5 to 6

- Backup your site
- Set up dev site
- Disable Contributed modules
- Download Drupal 6 files and 6.x versions for all your modules
- Upload files to dev site
- Run update.php
- Update theme
- Add all your views
- Test! Test! Test!
- Launch updated site

Starting from Scratch

- Backup your site
- Set up dev site
- Install Drupal 6 and desired modules
- Move over your theme (upgrade or redo)
- Move over all your content
 - Migrate + suite of other Modules
- Redo your views, panels, contexts, etc...
- Test! Test! Test!
- Launch new site

Which Method Should I choose?

- Simple site with lots of content and a few non-complicated modules: Update Script
- Complex site with complicated modules: Start from Scratch
- Somewhere in between: Pick your fav! Either option will probably take the same amount of time.
- Want to save time on either option? Use Drush!

Drush = Drupal + shell

Reasons to use Drush

- Faster
- More time for the important work
 - Troubleshooting
 - Site rebuilding
 - Implimentation

Drush is a great tool if you have:

- Secure shell (SSH) access
- Knowledge of the Linux command line
- More than one site to maintain

drush help

<code>sql-cli (sqlc)</code>	Open a SQL command-line interface using Drupal's credentials.
<code>sql-conf</code>	Print database connection details using <code>print_r()</code> .
<code>sql-connect</code>	A string for connecting to the DB.
<code>sql-dump</code>	Exports the Drupal DB as SQL using <code>mysqldump</code> .
<code>sql-query (sqlq)</code>	Execute a query against the site database.
<code>sql-sync</code>	Copy source database to target database using <code>rsync</code> .
<code>status (st)</code>	Provides a birds-eye view of the current Drupal installation, if any.
<code>test-clean</code>	Delete leftover tables and files from prior test runs.
<code>test-drush</code>	Run drush-specific tests
<code>test-mail</code>	Run all tests and mail the results to your team.
<code>updatedb (updb)</code>	Execute the <code>update.php</code> process from the command line
<code>variable-delete (vdel)</code>	Delete a variable.
<code>variable-get (vget)</code>	Get a list of some or all site variables and values.
<code>variable-set (vset)</code>	Set a variable.
<code>watchdog-delete (wd-del, wd-delete)</code>	Delete watchdog messages.
<code>watchdog-list (wd-list)</code>	Show available message types and severity levels. A prompt will ask for a choice to show watchdog messages.
<code>watchdog-show (wd-show, ws)</code>	Show watchdog messages.
<code>features</code>	List all the available features for your site.
<code>features export</code>	Export a feature from your site into a module.
<code>features revert</code>	Revert a feature module on your site.
<code>features update</code>	Update a feature module on your site.
<code>generate content</code>	Creates content.
<code>generate taxonomy</code>	Creates taxonomy.
<code>generate users</code>	Creates users.

drush sm

Date (date)	Module	Enabled	6.x-2.4
Date API (date_api)	Module	Enabled	6.x-2.4
Date Locale (date_locale)	Module	Not installed	6.x-2.4
Date PHP4 (date_php4)	Module	Not installed	6.x-2.4
Date Popup (date_popup)	Module	Enabled	6.x-2.4
Date Repeat API (date_repeat)	Module	Not installed	6.x-2.4
Date Timezone (date_timezone)	Module	Enabled	6.x-2.4
Date Tools (date_tools)	Module	Not installed	6.x-2.4
Database logging (dblog)	Module	Enabled	6.16
Devel (devel)	Module	Enabled	6.x-1.18
Devel generate (devel_generate)	Module	Not installed	6.x-1.18
Devel node access (devel_node_access)	Module	Not installed	6.x-1.18
Theme developer (devel_themer)	Module	Disabled	6.x-1.18
Diff (diff)	Module	Enabled	6.x-2.0
Fieldgroup (fieldgroup)	Module	Not installed	6.x-2.6
FileField (filefield)	Module	Enabled	6.x-3.2
FileField Meta (filefield_meta)	Module	Not installed	6.x-3.2
FileField Sources (filefield_sources)	Module	Enabled	6.x-1.0
Filter (filter)	Module	Enabled	6.16
Forum (forum)	Module	Not installed	6.16
Google Analytics (googleanalytics)	Module	Not installed	6.x-2.2
Help (help)	Module	Enabled	6.16
Advanced help example (help_example)	Module	Not installed	6.x-1.2
Image CAPTCHA (image_captcha)	Module	Enabled	6.x-2.1
ImageAPI (imageapi)	Module	Enabled	6.x-1.6
ImageAPI GD2 (imageapi_gd)	Module	Enabled	6.x-1.6
ImageAPI ImageMagick (imageapi_imagemagick)	Module	Disabled	6.x-1.6
ImageCache (imagecache)	Module	Enabled	6.x-2.0-beta10
ImageCache UI (imagecache_ui)	Module	Enabled	6.x-2.0-beta10
ImageField (imagefield)	Module	Enabled	6.x-3.2

drush up

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Resources

Drush: More Beer, Less Effort

DevelopmentSeed.org/blog/2009/jun/19/drush-more-beer-less-effort

got a crush on drush

Morten.dk/blog/got-crush-drush

If you work with a contractor:

- Require a thorough discovery
- Expect to pay for the discovery
- Talk about how much downtime are you willing to have, and when you are willing to have it

Tell your contractor about:

- Any changes to code (core or modules)
- Views, and how they were set up
- Theme, and how it was developed
- Actions that should be replicated and tested (Use cases)

Thank You!

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