

# Post Publication Changes

This book was written while Drupal 7 was being developed starting with early development versions, alpha versions, and early beta releases. We have made every attempt to keep the book current with Drupal 7 as it has evolved. However, since Drupal 7 has not been officially released yet (beta 3 as of this writing), there are some changes that we couldn't put into the main book. This appendix will attempt to cover all of the changes made since the book was prepared for publication.

## Upgrading between beta versions

Upgrading between beta versions (and eventually to release candidate versions) is handled in much the same way as upgrading from Drupal 6 to Drupal 7. You will use the following steps to upgrade:

1. Make a backup of your current installation including custom files and the database.
2. Take your site offline.
3. Disable all custom and contributed modules that you have enabled for your site.
4. Remove the existing Drupal installation files.
5. Install the new Drupal beta or release candidate version.
6. Run `update.php`.
7. Re-enable custom and contributed modules one at a time, running `update.php` after each module is enabled.
8. Test your site thoroughly.
9. Bring your site back online.

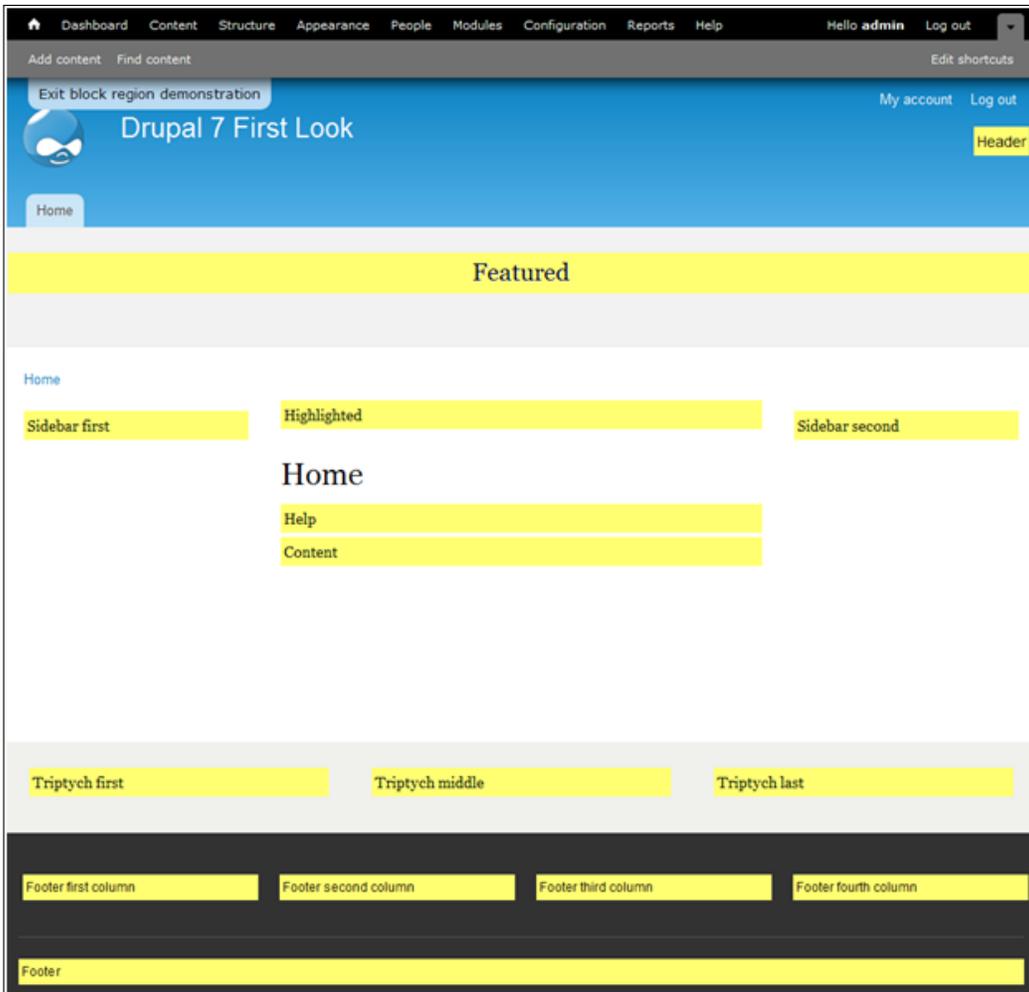
For more information on installing Drupal see *Chapter 2, Installation and Upgrades*. As always, it is best to test this process on a test site before modifying your live site.

## Interface changes

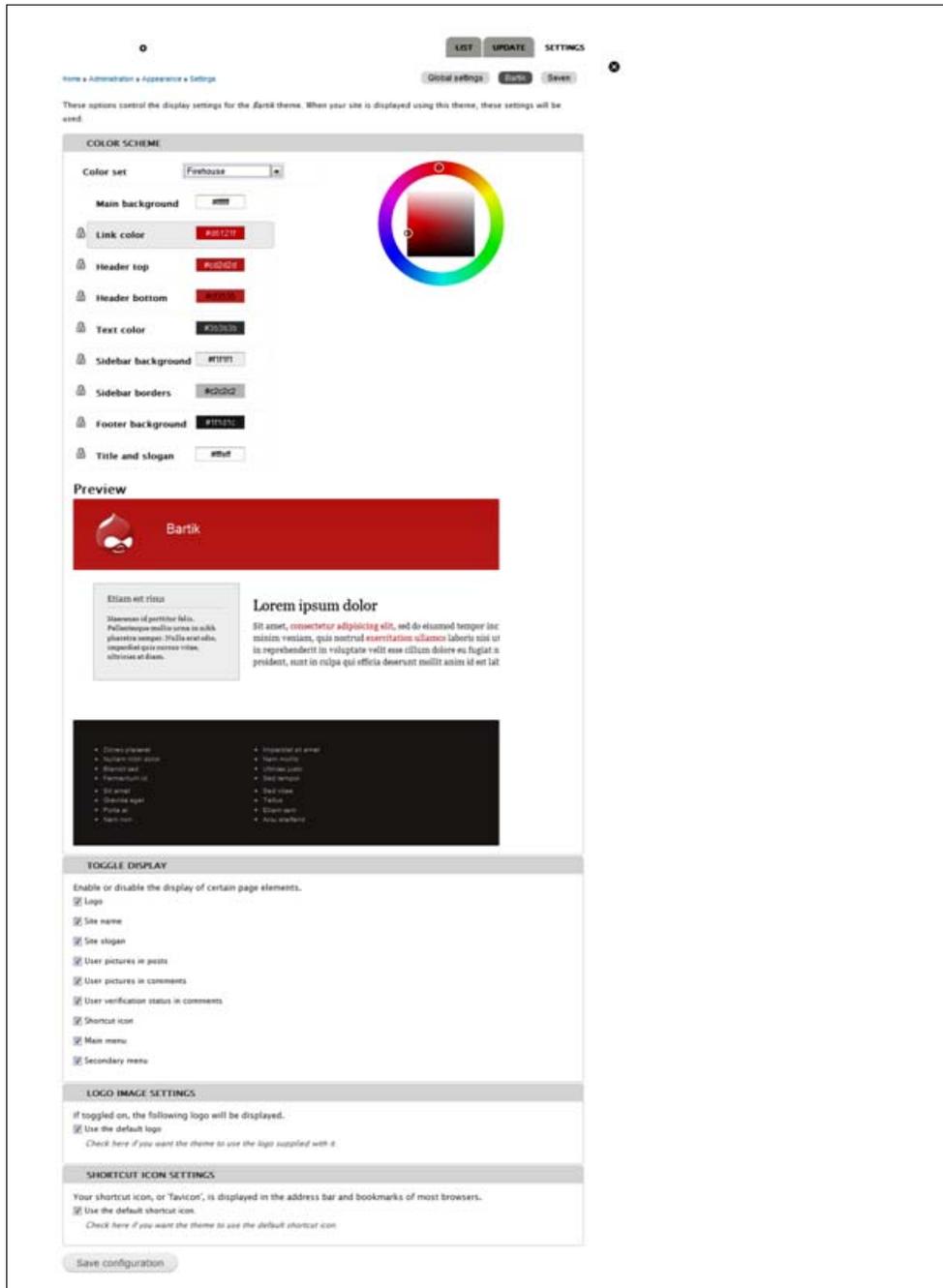
There have been several changes to the interface as Drupal 7 has evolved from early releases to the current beta versions. These changes have typically been in response to feedback from site owners, module developers, and themers with the goal of making Drupal 7 more robust and easier to use.

## Bartik theme

The Bartik theme was added to the default installation of Drupal 7. This theme replaces Garland as the default theme for Drupal 7. It looks very similar to Garland by default, but it has many more regions as shown below:



The colors of the theme can also be customized using the settings page for the theme as shown below:



The screenshot displays the 'Appearance > Settings' page for the Bartik theme. At the top, there are navigation links for 'LIST', 'UPDATE', and 'SETTINGS'. Below this, a breadcrumb trail shows 'Home > Administration > Appearance > Settings'. The main heading is 'Global settings' with sub-links for 'Bartik' and 'Seven'. A note states: 'These options control the display settings for the Bartik theme. When your site is displayed using this theme, these settings will be used.'

The 'COLOR SCHEME' section is the primary focus. It includes a 'Color set' dropdown menu currently set to 'Firehouse'. To the right is a color wheel with a red-to-black gradient. Below this are several color selection fields, each with a small icon and a color swatch:

- Main background: #fff
- Link color: #802020
- Header top: #802020
- Header bottom: #802020
- Text color: #333333
- Sidebar background: #f0f0f0
- Sidebar borders: #cccccc
- Footer background: #111111
- Title and slogan: #fff

A 'Preview' section shows a red header with the Bartik logo and the text 'Bartik'. Below the header is a content area with a sidebar on the left and a main content area on the right. The sidebar contains a 'Eliam est risus' section with a small image and text. The main content area features a 'Lorem ipsum dolor' section with a heading and a paragraph of placeholder text. Below the preview is a dark navigation menu with various links.

The 'TOGGLE DISPLAY' section allows users to enable or disable the display of certain page elements. The following elements are checked:

- Logo
- Site name
- Site slogan
- User pictures in posts
- User pictures in comments
- User verification status in comments
- Shortcut icon
- Main menu
- Secondary menu

The 'LOGO IMAGE SETTINGS' section includes a note: 'If toggled on, the following logo will be displayed.' There is a checked checkbox for 'Use the default logo' and a link: 'Check here if you want the theme to use the logo supplied with it.'

The 'SHORTCUT ICON SETTINGS' section includes a note: 'Your shortcut icon, or "favicon", is displayed in the address bar and bookmarks of most browsers.' There is a checked checkbox for 'Use the default shortcut icon' and a link: 'Check here if you want the theme to use the default shortcut icon.'

At the bottom of the settings page is a 'Save configuration' button.

## API changes

There have been several changes to the API since we started this book. These are listed below. To be notified when API changes occur, sign up to the Drupal developer's mailing list. You can find the development mailing list at: <http://drupal.org/mailling-lists>.

- Custom content types were modified to not include a body field by default. If you would like to use a body field, you can add one either through the user interface or by calling `node_add_body_field`.
- The function `hook_block_info_alter` was renamed to `hook_block_list_alter`.
- The function `field_attach_query` was removed. This functionality can now be implemented using `EntityFieldQuery`.
- The usage of `#builder_function` was changed and will not normally need to be called. For more information see: <http://drupal.org/node/735800#comment-3101122>.
- The `entity_invoke` function was removed. The same functionality can now be achieved by calling `module_invoke`.
- The method `hook_menu_active_handler_alter` was removed from the API.
- The usage of database prefixes was altered to allow sites that utilize non-Drupal databases to specify a different table prefix for each database. For more details, see: <http://drupal.org/node/195416>.
- The types `date:normal`, `datetime:normal`, and `time:normal` were removed from the Schema API because they were not portable types that would work on a wide variety of databases.
- The `search_data` and `search_view` functions were altered. See <http://drupal.org/node/567100> for more details.
- The function `hook_fields_extra_fields` was changed such that the return values can vary depending on the circumstances of how it was called.
- The JavaScript and CSS functions `drupal_add_css` and `drupal_add_js` were modified to not aggregate files by default.
- The `search_data` and `hook_search_page` functions have been altered to return data as a renderable array rather than rendered HTML. This gives themers additional control over how the information is displayed.
- When search results are themed using `theme('search_result')` and `theme('search_results')`, the functions pass a module argument rather than a type argument so the display of search results can be customized per module.

- The function `file_directory_path` was removed.
- The `hook_entity_info` function requires a new label key to make it easier for custom and contributed modules to utilize and build upon entities.
- The `hook_field_schema` function now needs to be implemented within a module's `.install` file rather than the `.module` file.
- Managed File API methods must use URIs with `public://`, `private://`, or `temporary://` rather than using plain file paths.
- `MENU_CALLBACK` should only be used for paths that are API callbacks. If you are registering `MENU_CALLBACK` instances in `hook_menu` that are not plain API callbacks, you will need to revise them.
- The function `drupal_anonymous_user` has changed to not take the optional `$session` variable.
- The `field_create_field` has now been changed when creating Term Reference fields; you should now use the machine name for the vocabulary, not the ID.
- The `field_content_languages` function will now return both enabled and disabled languages rather than just the enabled languages.
- The permission 'post comments without approval' was renamed to 'skip comment approval'.
- The function `filter_format_delete` was renamed to `filter_format_disable`.
- The function `hook_filter_format_delete` was renamed to `hook_filter_format_disable`.

## Critical issues prior to the release candidate

There are several issues that the Drupal 7 team has identified and must fix before the first Drupal 7 release candidate can be created. These issues are listed at this URL: [http://drupal.org/project/issues/search/drupal?version\[0\]=156281&status\[0\]=1&status\[1\]=8&status\[2\]=13&status\[3\]=14&priorities\[0\]=1&categories\[0\]=bug&categories\[1\]=task](http://drupal.org/project/issues/search/drupal?version[0]=156281&status[0]=1&status[1]=8&status[2]=13&status[3]=14&priorities[0]=1&categories[0]=bug&categories[1]=task). There are also a few additional issues that are listed on the Drupal project page (<http://drupal.org/project/drupal>) that need to be fixed before Drupal 7 can be released.

After these issues are corrected, Drupal 7 will be released for use on production sites.

## **Summary**

The great thing about Drupal is that it is a constantly-evolving piece of software with many great minds working to make it better, more secure, and easier to use at every step of the process. Unfortunately, this can make it difficult to keep up with all of the changes. Check back here and stay current with the Drupal mailing lists and issue queues to make sure you have the most update information.

Happy upgrading!