

2.2.1

<https://github.com/hubzero/hubzero-cms/tree/2.2.1>

Changes

- [PHP 5.6](#) minimum requirement
- [PHP 7](#) ready
- migrations directories added to all components and plugins with initial install migrations
- Automatic API endpoints for ORM models - If a component has ORM models, the system will automatically make available API endpoints for the basic CRUD actions. Models must be named as a singular entity and endpoints are reached via the plural of those entity names. For example, if the Blog component has a model named Entry, then the API endpoint would be `https://yourhub.org/api/blog/entries`.

Automatic API endpoints will only be available if a component has not already implemented an API interface (i.e., if a component does **not** have an `/api` sub-directory).

- Support for un-prefixed component and module directories. This allows for the removal of the redundant `com_` and `mod_` prefixes on directories.

```
old:  
app/components/com_example/  
app/modules/mod_example/
```

```
new:  
app/components/example/  
app/modules/example/
```

Note: Prefixed directories will be deprecated in the next version.

- Autoloading of PHP files for un-prefixed components. No `include` or `require` statements needed. Class namespace directly maps to case insensitive path.

```
// Path:  
app/components/example/models/foo.php
```

```
// Directly maps to a class of  
ComponentsExampleModelsFoo
```

```
// Calling the class the first time autoloads it, so no include s  
tatement is needed:  
class Examples extends SiteController
```

```
{
    public function displayTask()
    {
        $model = new ComponentsExampleModelsFoo();
    }
}
```

- HubzeroDatabaseManager class added. Class is used to manage database connections.
 - HubzeroDatabaseRelational::connection property changed from object (HubzeroDatabaseDriver) to (string) name of the connection to be resolved by the manager.
 - HubzeroDatabaseDriverPdo is generic PDO driver class.
 - HubzeroDatabaseDriverMysql added, extends DriverPdo
 - HubzeroDatabaseDriverSqlite added, extends DriverPdo
 - HubzeroDatabaseDriverPgsql added, extends DriverPdo
- Projects now use global activity log.
- core/libraries/simplepie changed to a Composer package
- HubzeroDatabaseTable added as temporary replacement for Joomla's JTable

- Joomla constants replacement:

Joomla	HUBzero
JPATH_COMPONENT	PATH_COMPONENT
JPATH_COMPONENT_SITE	N/A
JPATH_COMPONENT_ADMINISTRATOR	N/A

- End of life for Joomla-based code
- Base install migrations added to every component
- Suggestions for alternate search terms if a term returns no results

Removed

- com_admin removed from core
- com_store removed from core
- plg_quickicon_extensionupdate removed from core
- plg_quickicon_joomlaupdate removed from core
- plg_xmessage_im removed from core
- plg_xmessage_rss removed from core
- plg_xmessage_smstxt removed from core
- tpl_hubbasic2012 removed from core
- tpl_hubbasic2013 removed from core
- tpl_baselayer removed from core

Added

- com_activity added - Admin interface and API endpoint for browsing/inspecting site activity

Changed

- com_citations rewritten to use the ORM
- com_config rewritten from Joomla-based code
- com_plugins rewritten to use the ORM
- com_resources rewritten to use the ORM
- com_support rewritten to use the ORM
- com_wishlist rewritten to use the ORM