

## 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
  - HubzeroDatabaseDriverPgsq 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