

Migrations

All the common extension types for HUBzero can include their own migrations directory. Migrations are used for installing the extension into the required tables for the CMS to know about said extension's existence, installing any needed tables, installing sample data, etc.

To illustrate the typical component directory structures and files:

```
/app
.. /plugins
.. .. /system
.. .. .. /example
.. .. .. .. /migrations
.. .. .. .. .. /Migration20190301102219PlgSystemExaple.php
.. .. .. .. .. example.php
```

See the [Migrations documentation](#) for more about naming conventions, setup, etc.

Plugins typically have at least one initial migration for registering the plugin with the CMS which just involves calling the addPluginEntry helper method:

```
<?php

use HubzeroContentMigrationBase;

// No direct access
defined('_HZEXEC_') or die();

/**
 * Migration script for registering the example plugin
 **/
class Migration20190301102219PlgSystemExample extends Base
{
    /**
     * Up
     **/
    public function up()
    {
        // Register the component Note the 'com_' prefix is optional.
        //
        // @param string $folder (required) Plugin folder
        // @param string $element (required) Plugin element
```

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```
        // @param int $enabled (optional, default: 1) Whether o
r not the plugin should be enabled
    // @param string $params (optional) Plugin params (if alr
eady known)
        $this->addPluginEntry('system', 'example');
    }

    /**
     * Down
     **/
    public function down()
    {
        $this->deletePluginEntry('system', 'example');
    }
}
```

That's all there is to it! The `addPluginEntry` adds the necessary entries to the needed database tables for the CMS to be aware of the plugin's existence.