The Joomla! Platform Manual

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List of Examples

Preface

This document compliments the Joomla Platform API reference.

Testing

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This document is about creating tests for the Joomla Platform.

1. PHP Unit Tests

This section provides some useful information about making PHP unit tests.

It is important to note that unit test code must follow the same coding standards as the rest of the platform. To that end, code style must be observed and DocBlocks fully completed. The `@since` tag must be included when you add a new, full test (not necessary for test stubs that are marked as incomplete).

1.1. Creating inspectors to accesses protected properties and methods

In order to test protected methods or properties, it's necessary to extend the base class to expose these methods or properties. We call these classes "inspectors". A simple inspector might look like this:

```
/**
 * General inspector class for JClass.
 *
 * @package     Joomla.UnitTest
 * @subpackage  Class
 * @since       11.1
 */
class JClassInspector extends JControllerForm
{
 /**
  * Method for inspecting protected variables.
  *
  * @return  mixed  The value of the class variable.
  *
  * @since   11.3
  */
 public function __get($name)
 {
  if (property_exists($this, $name)) {
   return $this->$name;
  }
  else {
   trigger_error('Undefined or private property: ' . __CLASS__.'::'.$name, E_USER_ERROR);
   return null;
  }
 }

 /**
  * Sets any property from the class.
  *
```

```
 * @param    string   $property   The name of the class property.
 * @param    string   $value      The value of the class property.
 *
 * @return   void
 *
 * @since     11.3
 */
public function __set($property, $value)
{
  $this->$property = $value;
}
}
```

Example 1. Example of a simple test inspector for a ficticious class named JClass

Note

The example above is only applicable if the base class does not already implement the magic __get and __set methods.

The magic __get and __set methods will give you access to protected properties. To use this in a test, just create a new class inspector and access the protected properties directly, for example:

```
/**
 * Tests the JClass::__construct method
 *
 * @return   void
 *
 * @since     11.3
 */
public function test__construct()
{
  $class = new JClassInspector('foo');

  // For the purposes of this example, we are assuming that 'name' is a protected class pr
  // that is set by an argument passed into the class constructor.
  $this->assertThat(
   $class->name,
   $this->equalTo('foo'),
   'Tests that the protected name property is set by the constructor.'
  );
}
```

Example 2. Example showing how to use a test inspector to access protected properties

To gain access to a protected method you might do something add a method like the following example to your inspector class:

```
/**
 * Overrides the Class::hidden method to make it pubicly accessible for testing.
 *
 * @param    string   $arg1   Description of $arg1.
 * @param    string   $arg2   Description of $arg2.
 *
 * @return   string
 *
 * @since     11.3
 */
public function hidden($arg1, $arg2)
```

```
{
  return parent::hidden($arg1, $arg2);
}
```

Example 3. Example that overrides a protected method in the parent class

Note

Unit tests should always observe the Joomla Platform Coding Standards. Ensure the code is well formatted and that full DocBlocks are provided. Most importantly, ensure the @since tag reflects the version the test was added.

In your tests, you can now call on the protected method as if it was public.

Inspectors are stored in the same test folder as the class, with the same name as the class suffixed with 'Inspector'. For example, for the example above, the file would be named 'JClassInspector.php'.

Appendix A. Changelog

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A.1. Version 11.3

Version 11.3 is currently under development.

- [#263[1]] Fixes code style issues. (elinw[2])

  Doc block work mainly in html/parameter

- [#266[3]] Fixes typographical errors in docbook files. (elinw[4])

- [#271[5]] Fixes code style issues. (elinw[6])

  Continued work on cleaning up doc blocs.

- [#262[7]] Adds a JString::increment method and fixes bugs in JHtmlString::truncate. (eddieajau[8])

  Adds a JString::increment method to allow for easier incrementing of title/label strings such as "Title (2)" that are used in copying routines within an application. This method can be used to replace duplicate code in the CMS: CategoryModelCategory, MenusModelItem, ModulesModelMouldes and TemplatesModelStyle. Updates JModelAdmin to use the new method in generateNewTitle. Code coverage and code cleaning also included. Fixes bugs in JHtmlString::truncate where tags are not being properly closed. Adds unit tests for JHtmlString.

- [#272[9]] Fixes DocBlocks in JTree and JParameter elements. (elinw[10])

- [#257[11]] Adds JArrayHelper::pivot, improves JArrayHelper::sortObjects and provides full code coverage. (eddieajau[12])

  Alphabetised methods in JArrayHelperTest and adds test for arrayUnique method. Refactored unreachable code in _fromObject (arrays cannot be processed without the recurse argument being true. Added test case to verify). Changed testSortObjects to do most of the tests on a mac (ignoring only those that cause problems). Refactors sortObjects method to use internal static variables for sort properties, instead of some arbitrary [bad practice] global variable. Added JArrayHelper::pivot which allows you to create pure reverse lookups on an array of scalar, array or object elements, or lookups based on collections of common values or the designated array/object key.

- [#232[13]] Joomla CMS [#25957] wrong behaviour of libraries/joomla/application/module/JModuleHelper:moduleCache() (elinw[14])

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[1] https://api.github.com/repos/joomla/joomla-platform/issues/263
[2] https://api.github.com/users/elinw
[3] https://api.github.com/repos/joomla/joomla-platform/issues/266
[4] https://api.github.com/users/elinw
[5] https://api.github.com/repos/joomla/joomla-platform/issues/271
[6] https://api.github.com/users/elinw
[7] https://api.github.com/repos/joomla/joomla-platform/issues/262
[8] https://api.github.com/users/eddieajau
[9] https://api.github.com/repos/joomla/joomla-platform/issues/272
[10] https://api.github.com/users/elinw
[11] https://api.github.com/repos/joomla/joomla-platform/issues/257
[12] https://api.github.com/users/eddieajau
[13] https://api.github.com/repos/joomla/joomla-platform/issues/232
[14] https://api.github.com/users/elinw

Based on code proposed here: http://joomlacode.org/gf/project/joomla/tracker-/?action=TrackerItemEdit&tracker_item_id=25957 This issue has been in the tracker since May.

- [#260[15]] Joomla CMS [#26612] Contacts Component sets Reply-To incorrectly in 1.7 (infograf768[16])

  Fixes platform issues related to http://joomlacode.org/gf/project/joomla/tracker-/?action=TrackerItemEdit&tracker_item_id=26612

- [#229[17]] Joomla CMS [#25962] APC lock method seems to be returning the wrong thing (elinw[18])

  Fixes incorrect return value in docblocks. http://joomlacode.org/gf/project/joomla/tracker-/?action=TrackerItemEdit&tracker_item_id=25962

- [#214[19]] Adds universal mocks for testing and JDate::getInstance. (eddieajau[20])

  Added support for getting universal mock objects in JoomlaTestCase providing getters for JApplication, JConfig, JDatabase and JSession mocks. Converted JDatabaseQuery test to use the universal database mock. Improved setup and teardown of rules field test in JForm. Added tests for JDate (tests involving language are incomplete because of tight coupling to the CMS). Added static getInstance method to JDate as an alias for new JDate.

- [#255[21]] Added JLog dependency to JError and JException (elinw[22])

  Add JLog for JError and JException since both are deprecated and deprecation logging was causing an infinite loop.

- [#256[23]] Fixes login and module display issues in the CMS (eddieajau[24])

  Using database magic calls (qn and q) causes problems in the session database class, so these have been replaced with the fully qualified names. A small glitch in the module display was fixed. JAuthentication::authenticate was still being defined as static which caused problems with the plugins.

- [#254[25]] Fixes comments in sniff and docblocks in JError (elinw[26])

- [#252[27]] Turn JAuthentication back from static class and updated tests accordingly (pasamio[28])

  This fixes an issue with syncing the CMS where the CMS breaks because the plugins aren't loaded properly. This restores the pre-11.2 behaviour of not using a static class. Also a minor update to fix spaces used instead of tabs in the test.

- [#247[29]] Check if module properly is set (elinw[30])

  In testing the JBs found a regression in that in getModule the module helper is now not setting $module->user to 0 for all modules any more. I did some digging and this seems to be a legacy property from 1.0 and seemed to possible check if you were a super user for menu modules. As far as I can tell it has no use at all in the current CMS. (Looking at the 1.0 module code explains a lot about some other parts of the module helper.)

- [#248[31]] Added a command line application to automatically generate the changelog from closed pull requests. (eddieajau[32])

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[15] https://api.github.com/repos/joomla/joomla-platform/issues/260
[16] https://api.github.com/users/infograf768
[17] https://api.github.com/repos/joomla/joomla-platform/issues/229
[18] https://api.github.com/users/elinw
[19] https://api.github.com/repos/joomla/joomla-platform/issues/214
[20] https://api.github.com/users/eddieajau
[21] https://api.github.com/repos/joomla/joomla-platform/issues/255
[22] https://api.github.com/users/elinw
[23] https://api.github.com/repos/joomla/joomla-platform/issues/256
[24] https://api.github.com/users/eddieajau
[25] https://api.github.com/repos/joomla/joomla-platform/issues/254
[26] https://api.github.com/users/elinw
[27] https://api.github.com/repos/joomla/joomla-platform/issues/252
[28] https://api.github.com/users/pasamio
[29] https://api.github.com/repos/joomla/joomla-platform/issues/247
[30] https://api.github.com/users/elinw
[31] https://api.github.com/repos/joomla/joomla-platform/issues/248
[32] https://api.github.com/users/eddieajau

- [#236[33]] Add a unit test for JFormRuleColor and fix the rule. (realityking[34])

- [#209[35]] Updated changelog (nikosdion[36])

  Updated change log with the proposed change, as per Andrew's request at https://github.com/joomla/joomla-platform/pull/201#issuecomment-1776347

- [#222[37]] Fixing checkstyle errors for JPagination. (LouisLandry[38])

- [#221[39]] Fixing up some checkstyle issues. (LouisLandry[40])

- [#220[41]] Fixed missing J prefix when registering JDatabaseException. (eddieajau[42])

- [#212[43]] Fix login routine to display error message generated by authentication pl (roland-d[44])

  Fix login routine to display error message generated by authentication plugin.

- [#219[45]] Merge with CMS trunk change. (LouisLandry[46])

  Closes #197. and Closes #172.

- [#218[47]] Fix up specification of abstract JDatabase::getTableColumns. (eddieajau[48])

- [#215[49]] Description for pull request 212 (roland-d[50])

- [#213[51]] Fix annoying typo. (elinw[52])

- [#211[53]] CodeSniffer Cleanup on JForm library (mbabker[54])

  Used the CodeSniffer to do a cleanup on the JForm library. With these changes, no further messages appear in the report.

- [#208[55]] Changing access to JDatabase::replacePrefix() back to public (elkuku[56])

  As suggested on [Gooogle groups](http://groups.google.com/group/joomla-dev-framework/browse_thread/thread/77dd8810690a9f4f) and reported on the CMS Tracker [#26596](http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26596) and [#26617](http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26617)

- [#201[57]] Fixed a typo in JHttp (stream_set_timeout vs stream_settimeout) as it cau (nikosdion[58])

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[33] https://api.github.com/repos/joomla/joomla-platform/issues/236
[34] https://api.github.com/users/realityking
[35] https://api.github.com/repos/joomla/joomla-platform/issues/209
[36] https://api.github.com/users/nikosdion
[37] https://api.github.com/repos/joomla/joomla-platform/issues/222
[38] https://api.github.com/users/LouisLandry
[39] https://api.github.com/repos/joomla/joomla-platform/issues/221
[40] https://api.github.com/users/LouisLandry
[41] https://api.github.com/repos/joomla/joomla-platform/issues/220
[42] https://api.github.com/users/eddieajau
[43] https://api.github.com/repos/joomla/joomla-platform/issues/212
[44] https://api.github.com/users/roland-d
[45] https://api.github.com/repos/joomla/joomla-platform/issues/219
[46] https://api.github.com/users/LouisLandry
[47] https://api.github.com/repos/joomla/joomla-platform/issues/218
[48] https://api.github.com/users/eddieajau
[49] https://api.github.com/repos/joomla/joomla-platform/issues/215
[50] https://api.github.com/users/roland-d
[51] https://api.github.com/repos/joomla/joomla-platform/issues/213
[52] https://api.github.com/users/elinw
[53] https://api.github.com/repos/joomla/joomla-platform/issues/211
[54] https://api.github.com/users/mbabker
[55] https://api.github.com/repos/joomla/joomla-platform/issues/208
[56] https://api.github.com/users/elkuku
[57] https://api.github.com/repos/joomla/joomla-platform/issues/201
[58] https://api.github.com/users/nikosdion

Fixed a typo in JHttp (stream_set_timeout vs stream_settimeout) as it caused a fatal error when using the class. Hopefully, this time I got the pull request against the correct branch.

- [#207[59]] Docblocks (elinw[60])

- [#205[61]] Added missing jimport (ianmacl[62])

  Let's try this again. *sigh*

- [#204[63]] Code style work (elinw[64])

  Easy wins

- [#193[65]] Call to a member function qn() on a non-object (jonnsl[66])

- [#195[67]] More doc block work (elinw[68])

  Code style

- [#203[69]] Fixed function name mentioned in deprecated warning. (jlleblanc[70])

  Deprecated JDatabase::loadResultArray() logged a warning with the incorrect replacement function name. This patch changes it from getColumn() to loadColumn().

- [#191[71]] Namespace more of Joomla's JavaScript functions and deprecate the old one (realityking[72])

  Namespace more of Joomla's JavaScript functions and deprecate the old ones.

- [#198[73]] Various fixes (realityking[74])

  Again a couple of smaller fixes. (Take 2)

- [#194[75]] Adding test execution instructions (ianmacl[76])

  Basic instructions on running phpunit and phpcs.

- [#192[77]] Mising @since tags (elinw[78])

- [#189[79]] Sync changes to the media folder from Joomla 1.7. (realityking[80])

  I made this against staging just to be sure, but for the future should we also make the pull requests against staging when no PHP code is involved?

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[59] https://api.github.com/repos/joomla/joomla-platform/issues/207
[60] https://api.github.com/users/elinw
[61] https://api.github.com/repos/joomla/joomla-platform/issues/205
[62] https://api.github.com/users/ianmacl
[63] https://api.github.com/repos/joomla/joomla-platform/issues/204
[64] https://api.github.com/users/elinw
[65] https://api.github.com/repos/joomla/joomla-platform/issues/193
[66] https://api.github.com/users/jonnsl
[67] https://api.github.com/repos/joomla/joomla-platform/issues/195
[68] https://api.github.com/users/elinw
[69] https://api.github.com/repos/joomla/joomla-platform/issues/203
[70] https://api.github.com/users/jlleblanc
[71] https://api.github.com/repos/joomla/joomla-platform/issues/191
[72] https://api.github.com/users/realityking
[73] https://api.github.com/repos/joomla/joomla-platform/issues/198
[74] https://api.github.com/users/realityking
[75] https://api.github.com/repos/joomla/joomla-platform/issues/194
[76] https://api.github.com/users/ianmacl
[77] https://api.github.com/repos/joomla/joomla-platform/issues/192
[78] https://api.github.com/users/elinw
[79] https://api.github.com/repos/joomla/joomla-platform/issues/189
[80] https://api.github.com/users/realityking

- [#188[81]] Various little fixes. (realityking[82])

- [#186[83]] Utfail (ianmacl[84])

  Fixed unit test. The test for parse verified that the method returned null. The method now returns a JDocument object. Test changed to reflect that.

- [#185[85]] JDocument fluent interface - reprise (WebMechanic[86])

  - changed setters and mutators to return $this instead of "void". - cleanup of duplicate jimport('joomla.document.document') - whitespace and indents

- [#184[87]] Code cleaning. (LouisLandry[88])

- [#182[89]] Code cleaning (eddieajau[90])

  Fixing up the HTML package.

- [#180[91]] Allow removal of admin menu entries (rvsjoen[92])

  This will allow developers to remove the backend entry in the components menu using for example the postflight() hook in the installer without throwing errors about missing menu entries when the component is uninstalled.

- [#179[93]] Added String package, updated changelog (robschley[94])

  Moved JString from Utilites package to String package. Added JStringNormalize. Removed old CHANGELOG.

- [#178[95]] Code cleaning. (eddieajau[96])

- [#174[97]] Graceful return when update manifest cannot be parsed (rvsjoen[98])

  Instead of just dying when the update manifest cannot be parsed, give a warning and move on.

- [#173[99]] Test (elinw[100])

  I noticed that the basic test to make sure rules load didn't have the newer rules.

- [#176[101]] Database package cleanup (robschley[102])

  Renamed DatabaseException to JDatabaseException Fixed several instances of database exceptions being throw without error messages or codes.

[81] https://api.github.com/repos/joomla/joomla-platform/issues/188
[82] https://api.github.com/users/realityking
[83] https://api.github.com/repos/joomla/joomla-platform/issues/186
[84] https://api.github.com/users/ianmacl
[85] https://api.github.com/repos/joomla/joomla-platform/issues/185
[86] https://api.github.com/users/WebMechanic
[87] https://api.github.com/repos/joomla/joomla-platform/issues/184
[88] https://api.github.com/users/LouisLandry
[89] https://api.github.com/repos/joomla/joomla-platform/issues/182
[90] https://api.github.com/users/eddieajau
[91] https://api.github.com/repos/joomla/joomla-platform/issues/180
[92] https://api.github.com/users/rvsjoen
[93] https://api.github.com/repos/joomla/joomla-platform/issues/179
[94] https://api.github.com/users/robschley
[95] https://api.github.com/repos/joomla/joomla-platform/issues/178
[96] https://api.github.com/users/eddieajau
[97] https://api.github.com/repos/joomla/joomla-platform/issues/174
[98] https://api.github.com/users/rvsjoen
[99] https://api.github.com/repos/joomla/joomla-platform/issues/173
[100] https://api.github.com/users/elinw
[101] https://api.github.com/repos/joomla/joomla-platform/issues/176
[102] https://api.github.com/users/robschley

- [#170[103]] Docblocks Toolbar (elinw[104])

- [#168[105]] Code cleaning. (eddieajau[106])

- [#166[107]] Code cleaning. (eddieajau[108])

- [#165[109]] Docblocks (elinw[110])

- [#167[111]] Logging (elinw[112])

  Fix the problem that was making a test fail

- [#113[113]] Logging (elinw[114])

  More work on deprecation logging

- [#163[115]] Code cleaning; reduction of duplicate code in Database package. (eddieajau[116])

- [#153[117]] Check return value of opendir against NULL and not FALSE (rvsjoen[118])

  We need to check the return value of opendir before it is passed to readdir, readdir does not seem to handle non-valid resources like expected. The following PHP statement will result in an infinite loop of stack traces. php -r 'while(readdir(1) ! == false){ echo "hello"; };. From the php documentation: --- The newer internal parameter parsing API has been applied across all the extensions bundled with PHP 5.3.x. This parameter parsing API causes functions to return NULL when passed incompatible parameters. There are some exceptions to this rule, such as the get_class() function, which will continue to return FALSE on error. --- So we either have to check the return value of opendir against NULL, or remove the type-specific comparison and simply use != instead of !==.

- [#162[119]] Added changelog items for platform version 11.2. (eddieajau[120])

- [#157[121]] Wrong access check (elinw[122])

  http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26399 Fix access, thanks Smokerman Nikola.

- [#158[123]] Wrong access check (elinw[124])

  See http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26399 Fix access check.

- [#159[125]] Code cleaning and code reduction (eddieajau[126])

[103] https://api.github.com/repos/joomla/joomla-platform/issues/170
[104] https://api.github.com/users/elinw
[105] https://api.github.com/repos/joomla/joomla-platform/issues/168
[106] https://api.github.com/users/eddieajau
[107] https://api.github.com/repos/joomla/joomla-platform/issues/166
[108] https://api.github.com/users/eddieajau
[109] https://api.github.com/repos/joomla/joomla-platform/issues/165
[110] https://api.github.com/users/elinw
[111] https://api.github.com/repos/joomla/joomla-platform/issues/167
[112] https://api.github.com/users/elinw
[113] https://api.github.com/repos/joomla/joomla-platform/issues/113
[114] https://api.github.com/users/elinw
[115] https://api.github.com/repos/joomla/joomla-platform/issues/163
[116] https://api.github.com/users/eddieajau
[117] https://api.github.com/repos/joomla/joomla-platform/issues/153
[118] https://api.github.com/users/rvsjoen
[119] https://api.github.com/repos/joomla/joomla-platform/issues/162
[120] https://api.github.com/users/eddieajau
[121] https://api.github.com/repos/joomla/joomla-platform/issues/157
[122] https://api.github.com/users/elinw
[123] https://api.github.com/repos/joomla/joomla-platform/issues/158
[124] https://api.github.com/users/elinw
[125] https://api.github.com/repos/joomla/joomla-platform/issues/159
[126] https://api.github.com/users/eddieajau

Code cleaning in Database package. Dupe code reduction by extending JDatabaseExporterMySqli from JDatabaseExporterMySql.

- [#154[127]] Fix wrong subpackage tag (rvsjoen[128])

  This just fixes a @subpackage tag which is wrong

- [#147[129]] Implement a color field for JForm. (realityking[130])

  This uses the native color picker in Opera 11 and falls back to MooRainbow in all other browsers. Also adds the corresponding JFormRule for validation.

- [#152[131]] Added formatting standard for Eclipse PDT3 and the formatter plugin. (eddieajau[132])

- [#151[133]] Minor tweak to build file. (LouisLandry[134])

- [#150[135]] Modifications to the code sniffer and format rules -- and some code cleaning. (LouisLandry[136])

- [#149[137]] Initial documentation and version 11.2 changelog (eddieajau[138])

  Adds a documentation sections to the tree with two books in Docbook format (which can be ultimately used to push to ePub, PDF and a variety of other formats). First is the platform manual which, at the moment, only holds the changelog appendix (up to date for version 11.2, version 11.1 needs a lot of work). With this appendix added, other developers doing pull requests can also make synchronous additions to at least the changelog (usually the explanation they put in the pull request, like this one) or notes about the feature changes in the body of the manual (when that is fleshed out more). The other book is the coding standards manual work in progress from other material that several people have been working on.

- [#145[139]] Docblock fix (pasamio[140])

  Noticed a formatting issue, not sure what the return should be set to and fixed the incorrectly marked authorise function from 11.1 to 11.2

- [#144[141]] Get rid of characters (elinw[142])

A.2. Version 11.2

Version 11.2 was tagged on 26 July 2011.

- [#140[143]] Minor doc block changes for doc purposes. (ianmacl[144])

- [#138[145]] Silly fix. (LouisLandry[146])

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[127] https://api.github.com/repos/joomla/joomla-platform/issues/154
[128] https://api.github.com/users/rvsjoen
[129] https://api.github.com/repos/joomla/joomla-platform/issues/147
[130] https://api.github.com/users/realityking
[131] https://api.github.com/repos/joomla/joomla-platform/issues/152
[132] https://api.github.com/users/eddieajau
[133] https://api.github.com/repos/joomla/joomla-platform/issues/151
[134] https://api.github.com/users/LouisLandry
[135] https://api.github.com/repos/joomla/joomla-platform/issues/150
[136] https://api.github.com/users/LouisLandry
[137] https://api.github.com/repos/joomla/joomla-platform/issues/149
[138] https://api.github.com/users/eddieajau
[139] https://api.github.com/repos/joomla/joomla-platform/issues/145
[140] https://api.github.com/users/pasamio
[141] https://api.github.com/repos/joomla/joomla-platform/issues/144
[142] https://api.github.com/users/elinw
[143] https://api.github.com/repos/joomla/joomla-platform/issues/140
[144] https://api.github.com/users/ianmacl
[145] https://api.github.com/repos/joomla/joomla-platform/issues/138
[146] https://api.github.com/users/LouisLandry

- [#137[147]] Updates for 11.2 (LouisLandry[148])

- [#136[149]] Undefined index: 'CLIENT' in updater/adapters/collection.php (WebMechanic[150])

  - take 3 From: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_id=8103&tracker_item_id=26445

- [#135[151]] Code sniffer compliance for access package. (eddieajau[152])

  Fixed most phpcs complaints.

- [#132[153]] doc blocks cache (elinw[154])

  More doc blocks

- [#116[155]] JAuthentication updates to block logins and use class constants (pasamio[156])

  For a while people have wanted to cancel login from authentication plugins. This complicates the authentication system by providing functionality that isn't true - the user may or may not have successfully been authenticated but this doesn't mean they are authorised to login which is what many want to achieve via the JAUTHENTICATE_STATUS_CANCEL. This updates to provide a new plugin trigger called "onUserAuthorisation". This trigger can be used from either a user plugin or authentication plugin as both are loaded at the same time. This trigger provides the ability to return the following responses: - JAuthentication::STATUS_SUCCESS - JAuthentication::STATUS_EXPIRED - JAuthentication::STATUS_DENIED - JAuthentication::STATUS_UNKNOWN Both success and unknown do not prevent login. Returning expired or denied will halt the login process. Additionally, as you can see above, the constants have been shifted into the class and the prefix "JAUTHENTICATE_" removed from them. The old constants remain for backwards compatibility.

- [#130[157]] Make JUpdate also use regular expression for targetplatform (rvsjoen[158])

  When using collections in the updater, the tag allows you to specify a targetplatformversion using regular expressions, however the tag does not.

- [#131[159]] Fix strict warning in JDatabase (rvsjoen[160])

  Fix strict warning in JDatabase, abstract static functions are not allowed. Instead extract the function out into an interface and implement this interface in JDatabase. I would not mind putting that into a separate file, but we need a filename/directory/naming convention for interfaces.

- [#134[161]] Fixing up a unit test I broke. (LouisLandry[162])

- [#128[163]] Code cleaning (eddieajau[164])

  Code cleaning (tested against new custom sniff).

- [#133[165]] Fixing up the code sniffer and doing a little code cleanup. (LouisLandry[166])

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[147] https://api.github.com/repos/joomla/joomla-platform/issues/137
[148] https://api.github.com/users/LouisLandry
[149] https://api.github.com/repos/joomla/joomla-platform/issues/136
[150] https://api.github.com/users/WebMechanic
[151] https://api.github.com/repos/joomla/joomla-platform/issues/135
[152] https://api.github.com/users/eddieajau
[153] https://api.github.com/repos/joomla/joomla-platform/issues/132
[154] https://api.github.com/users/elinw
[155] https://api.github.com/repos/joomla/joomla-platform/issues/116
[156] https://api.github.com/users/pasamio
[157] https://api.github.com/repos/joomla/joomla-platform/issues/130
[158] https://api.github.com/users/rvsjoen
[159] https://api.github.com/repos/joomla/joomla-platform/issues/131
[160] https://api.github.com/users/rvsjoen
[161] https://api.github.com/repos/joomla/joomla-platform/issues/134
[162] https://api.github.com/users/LouisLandry
[163] https://api.github.com/repos/joomla/joomla-platform/issues/128
[164] https://api.github.com/users/eddieajau
[165] https://api.github.com/repos/joomla/joomla-platform/issues/133
[166] https://api.github.com/users/LouisLandry

- [#120[167]] Doc blocks (elinw[168])

  work oh html doc blocks.

- [#97[169]] System test failure fix (elinw[170])

  Correct fatal error when a category id of 0 is passed in; this was exposed as a problem with system test failurs on the CMS whem there was a failure to get the module params correctly. With this hange fall back to default works.

- [#119[171]] Allow the infourl to be stored (mbabker[172])

  Resubmit of #114 post-repo sync As part of a change I would like to see in the Extension Manager's Update view, I would like to be able to display the infourl from the update stream on the view. This would be more relevant to the user as it would most likely point to a release notification, changelog, or other resource the user should review prior to updating versus displaying the URL of the update stream. Parallel CMS Feature Request - http://joomlacode.org/gf/project/joomla/tracker-/?action=TrackerItemEdit&tracker_item_id=26475

- [#117[173]] System test failure fix (elinw[174])

  Correct fatal error when a category id of 0 is passed in; this was exposed as a problem with system test failurs on the CMS whem there was a failure to get the module params correctly. With this hange fall back to default works.

- [#127[175]] Merge uncaught changes from Joomla SVN trunk. (eddieajau[176])

  Merging changes mainly from Installer package but other minor errors found testing 1.7.

- [#122[177]] Fix reference o an image in the CMS (elinw[178])

  Remove hard coded refernce to bluestork

- [#126[179]] Fix up unit tests. (LouisLandry[180])

- [#118[181]] This is a cms catchup commit for issues 25696 and 26284 As part of (elinw[182])

  solving a problem with updating the maximum time was bumped up for zip. However some shared hosting does not permit this and that can cause warnings. Therefore @ is added to supress warnings when this option is not available. Original report and patch for 26284from Brian Towles.

- [#123[183]] Jinput (ianmacl[184])

  bah. Fixed target branch.

- [#103[185]] JForm Telephone Rule (AmyStephen[186])

  defined('JPATH_PLATFORM') or die; was commented out

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[167] https://api.github.com/repos/joomla/joomla-platform/issues/120
[168] https://api.github.com/users/elinw
[169] https://api.github.com/repos/joomla/joomla-platform/issues/97
[170] https://api.github.com/users/elinw
[171] https://api.github.com/repos/joomla/joomla-platform/issues/119
[172] https://api.github.com/users/mbabker
[173] https://api.github.com/repos/joomla/joomla-platform/issues/117
[174] https://api.github.com/users/elinw
[175] https://api.github.com/repos/joomla/joomla-platform/issues/127
[176] https://api.github.com/users/eddieajau
[177] https://api.github.com/repos/joomla/joomla-platform/issues/122
[178] https://api.github.com/users/elinw
[179] https://api.github.com/repos/joomla/joomla-platform/issues/126
[180] https://api.github.com/users/LouisLandry
[181] https://api.github.com/repos/joomla/joomla-platform/issues/118
[182] https://api.github.com/users/elinw
[183] https://api.github.com/repos/joomla/joomla-platform/issues/123
[184] https://api.github.com/users/ianmacl
[185] https://api.github.com/repos/joomla/joomla-platform/issues/103
[186] https://api.github.com/users/AmyStephen

- [#109[187]] Fixing unit test issue (ianmacl[188])

- [#108[189]] Missing bracket (elinw[190])

  Missing bracket

- [#107[191]] Logging and tests (elinw[192])

  As logging to test harness

- [#102[193]] Add optional context to JHtmlContent::prepare (mbabker[194])

  See CMS Bug Tracker -> http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26421 This adds an optional context to JHtmlContent::prepare so that in all instances where this method is used to run the onContentPrepare event, a non-generic context can be passed to the event. This will allow developers to better check the data their plugin's event has received to verify they are not accidentally processing data they do not intend to handle. There are no backward compatibility issues as this variable is optional and defaults to the already hard coded context.

- [#105[195]] Logging (elinw[196])

  Starting work on making sure logging is happening in all deprecated methods and that nothing is marked for removal before 12.1.

- [#101[197]] Docblocks (elinw[198])

  Some more work whenever you are ready.

- [#106[199]] Fixed subclass detection code (ianmacl[200])

  instanceof doesn't work for this particular use case.

- [#93[201]] Make getTable fill in the prefix like JController::getView (rvsjoen[202])

  When using tables in extensions, the default JModel::getTable() method does not automatically include the extension name, instead it uses the prefix 'Table' to for the table to automatically load using getTable it has to be named TableHelloworld and not HelloworldTableHelloworld.

- [#91[203]] [#26241] JCacheFIle should not use JFile calls at all (chdemko[204])

  Moving from the CMS tracker http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26241

- [#94[205]] Redirect workarounds (rvsjoen[206])

[187] https://api.github.com/repos/joomla/joomla-platform/issues/109
[188] https://api.github.com/users/ianmacl
[189] https://api.github.com/repos/joomla/joomla-platform/issues/108
[190] https://api.github.com/users/elinw
[191] https://api.github.com/repos/joomla/joomla-platform/issues/107
[192] https://api.github.com/users/elinw
[193] https://api.github.com/repos/joomla/joomla-platform/issues/102
[194] https://api.github.com/users/mbabker
[195] https://api.github.com/repos/joomla/joomla-platform/issues/105
[196] https://api.github.com/users/elinw
[197] https://api.github.com/repos/joomla/joomla-platform/issues/101
[198] https://api.github.com/users/elinw
[199] https://api.github.com/repos/joomla/joomla-platform/issues/106
[200] https://api.github.com/users/ianmacl
[201] https://api.github.com/repos/joomla/joomla-platform/issues/93
[202] https://api.github.com/users/rvsjoen
[203] https://api.github.com/repos/joomla/joomla-platform/issues/91
[204] https://api.github.com/users/chdemko
[205] https://api.github.com/repos/joomla/joomla-platform/issues/94
[206] https://api.github.com/users/rvsjoen

Remove old workaround for webkit browsers, and make the workaround for msie more targeted. Older webkit browsers will still work, but take a performance hit, however I think it is more important to get rid of workarounds. https://groups.google.com/forum/#!topic/joomla-dev-framework/8DPWgYnsSQs http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26335

- [#100[207]] Code cleanup (elkuku[208])

Removing unnecessary empty braces when instancing a new class. Makes the code more readable (i think), reduces download size, helps to save the planet ;) Maybe this is a good time to apply those "cosmetics"

- [#43[209]] Improve JRegistry (chdemko[210])

See http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=24472

- [#98[211]] Consistent phpdoc subpackage in updater (rvsjoen[212])

Some files in the Updater subpackage are tagged with "@subpackage Update", this makes phpdoc create two different packages for the updater. This patch makes consistent use of "@subpackage Updater"

- [#92[213]] Fixes a mistake in mysql and mysqli drivers (elinw[214])

Change concat to concatenate as per mailing list discussion. https://groups.google.com/d/topic/joomla-dev-general/ljR_QkrxEKE/discussion Parallel patch posted in cms tracker

- [#86[215]] Catch up commits to CMS (elinw[216])

CMS commit 21571

- [#84[217]] Catch up commits to CMS (elinw[218])

CMS Commit 21479

- [#83[219]] Commit from CMS that is not in platform (elinw[220])

CMS commit 21442

- [#81[221]] Strict standards (elkuku[222])

Strict standards: Calling a non static method statically Also removed 1 unnecessary line

- [#82[223]] Code Cleanup (ianmacl[224])

Fixed code to meet standards.

- [#80[225]] Sync some changes from Joomla 1.7. (realityking[226])

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[207] https://api.github.com/repos/joomla/joomla-platform/issues/100
[208] https://api.github.com/users/elkuku
[209] https://api.github.com/repos/joomla/joomla-platform/issues/43
[210] https://api.github.com/users/chdemko
[211] https://api.github.com/repos/joomla/joomla-platform/issues/98
[212] https://api.github.com/users/rvsjoen
[213] https://api.github.com/repos/joomla/joomla-platform/issues/92
[214] https://api.github.com/users/elinw
[215] https://api.github.com/repos/joomla/joomla-platform/issues/86
[216] https://api.github.com/users/elinw
[217] https://api.github.com/repos/joomla/joomla-platform/issues/84
[218] https://api.github.com/users/elinw
[219] https://api.github.com/repos/joomla/joomla-platform/issues/83
[220] https://api.github.com/users/elinw
[221] https://api.github.com/repos/joomla/joomla-platform/issues/81
[222] https://api.github.com/users/elkuku
[223] https://api.github.com/repos/joomla/joomla-platform/issues/82
[224] https://api.github.com/users/ianmacl
[225] https://api.github.com/repos/joomla/joomla-platform/issues/80
[226] https://api.github.com/users/realityking

- [#78[227]] DBQuery fix that fixes the CMS Installer's use with 11.1 (AmyStephen[228])

- [#76[229]] Ci (ianmacl[230])

  Some changes to get better reporting in CI.

A.3. Version 11.1

Version 11.1 was tagged on DD July 2011. This was the inaugral release of the platform following its separation from the Joomla CMS trunk. It includes the following significant changes:

- [#72[231]] Some modifications to fix unit tests, etc. (LouisLandry[232])

- [#67[233]] Docblock Work (elinw[234])

  Docblocks in database continued

- [#68[235]] Docblocks (elinw[236])

  More docblocks

- [#70[237]] PHP Strict Errors (AmyStephen[238])

  Commit 1 - Minor change made to JDate::setTimezone to correct PHP Strict Error Commit 2 - Remove JButton::fetchID parent class - child classes are not consistent with parameters so there is no easy way to make the parent class consistent. Since it is not used and since it only returns when executed, removing it will at least get rid of the Strict eror.

- [#25[239]] Fixes for #22587 and #24285 (klas[240])

  #22587 - Change modules cache lifetime to be set as intended (seconds must be converted to minutes) - Cache handler needs to use all parameters for static variable caching Also $_handler is a static variable and so can't be referenced as $this->_handler (this bug was introduced after #22587 report) - change back to self::$_handler #24285 Fix changes module caching to store only headers that changed after module was executed. Headers before and after callback are compared.

- [#65[241]] Docblocks (elinw[242])

  Some more work

- [#64[243]] A couple minor adjustments to the JApplication constructor and JDocumentOpenSearch tests. (LouisLandry[244])

- [#62[245]] Deprecate JException (elinw[246])

  Deprecate JException I believe that's the intention see also mailing list discussion http://groups.google.com/group/joomla-dev-framework/browse_thread/thread/930aa3cb51a88f4c

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[227] https://api.github.com/repos/joomla/joomla-platform/issues/78
[228] https://api.github.com/users/AmyStephen
[229] https://api.github.com/repos/joomla/joomla-platform/issues/76
[230] https://api.github.com/users/ianmacl
[231] https://api.github.com/repos/joomla/joomla-platform/issues/72
[232] https://api.github.com/users/LouisLandry
[233] https://api.github.com/repos/joomla/joomla-platform/issues/67
[234] https://api.github.com/users/elinw
[235] https://api.github.com/repos/joomla/joomla-platform/issues/68
[236] https://api.github.com/users/elinw
[237] https://api.github.com/repos/joomla/joomla-platform/issues/70
[238] https://api.github.com/users/AmyStephen
[239] https://api.github.com/repos/joomla/joomla-platform/issues/25
[240] https://api.github.com/users/klas
[241] https://api.github.com/repos/joomla/joomla-platform/issues/65
[242] https://api.github.com/users/elinw
[243] https://api.github.com/repos/joomla/joomla-platform/issues/64
[244] https://api.github.com/users/LouisLandry
[245] https://api.github.com/repos/joomla/joomla-platform/issues/62
[246] https://api.github.com/users/elinw

- [#61[247]] Rearranged if statement (rcorral[248])

  It will be quicker to check for null every time than the $plugin variable

- [#60[249]] Secruity (realityking[250])

  These are tow security fixes/improvements I wrote a while ago but are only now public. They have already been committed to the 1.6.4 branch.

- [#59[251]] Docblocks (elinw[252])

  New version of the old pull request

- [#48[253]] Docblocks (elinw[254])

  More updating of doc blocks

- [#57[255]] Restoring memory limit after daemon test (ianmacl[256])

  The daemon class sets the maximum memory to 256M which causes the code coverage report to fail. This change will restore the default value after the test is run.

- [#58[257]] Adding files for continuous integration (ianmacl[258])

  Added an ant script and moved the phpunit.xml.dist file into root to facilitate continuous integration.

- [#53[259]] Let getModules get the module parameters. (elinw[260])

  This is in response to this discussion on the general list. https://groups.google.com/d/topic/joomla-dev-general/vQ1BY2AwCRo/discussion

- [#26[261]] Add batch processing to framework (Feature Request #22590) (mbabker[262])

  Consistent with http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=22590... This pull request focuses only on the framework changes for this feature request. Between the 1.6.3 release and the platform merge, batch processing was added to com_content. Upon my own review and testing, the code used here was applied in a manner that it could be reused throughout components that follow a category->item structure. Specific to the framework are the following changes: - JControllerForm: Function batch added - JModelAdmin: Functions batch, batchAccess, batchCopy, batchMove, and generateNewTitle added - JHtmlBatch added If implemented, changes to the CMS can be made as demonstrated via my SVN branch (mbabker).

- [#38[263]] Add JHtmlBehavior::multiselect() and move the multiselect JavaScript code (realityking[264])

  Add JHtmlBehavior::multiselect() and move the multiselect JavaScript code to core.js. Add the option to use id's other than "adminForm" with multiselect.

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[247] https://api.github.com/repos/joomla/joomla-platform/issues/61
[248] https://api.github.com/users/rcorral
[249] https://api.github.com/repos/joomla/joomla-platform/issues/60
[250] https://api.github.com/users/realityking
[251] https://api.github.com/repos/joomla/joomla-platform/issues/59
[252] https://api.github.com/users/elinw
[253] https://api.github.com/repos/joomla/joomla-platform/issues/48
[254] https://api.github.com/users/elinw
[255] https://api.github.com/repos/joomla/joomla-platform/issues/57
[256] https://api.github.com/users/ianmacl
[257] https://api.github.com/repos/joomla/joomla-platform/issues/58
[258] https://api.github.com/users/ianmacl
[259] https://api.github.com/repos/joomla/joomla-platform/issues/53
[260] https://api.github.com/users/elinw
[261] https://api.github.com/repos/joomla/joomla-platform/issues/26
[262] https://api.github.com/users/mbabker
[263] https://api.github.com/repos/joomla/joomla-platform/issues/38
[264] https://api.github.com/users/realityking

- [#52[265]] fix for removeUserFromGroup(), Ticket does not exist for it (svanschu[266])

- [#55[267]] Don't render meta elements without content (realityking[268])

  CMS Issue: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26184 Just a little markup saver. Also helps a little with some meta elements not valid in HTML5.

- [#56[269]] Use local storage for tabs (realityking[270])

  CMS Issue: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26192 Saves a couple of cookies in the administration without loosing any functionality. Shouldn't have an BC issues.

- [#51[271]] Test suite cleanup (sebastianbergmann[272])

- [#42[273]] Corrects some errors in the router + add some unit test (chdemko[274])

  see http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=23999

- [#41[275]] Component install rollback function rollback_menu is unimplemented leaving items in jos_menu (chdemko[276])

  see http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=24549 http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=25663

- [#50[277]] Namespace the checkAll() function (realityking[278])

  Issue on JoomlaCode: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=26124

- [#47[279]] 2 platform changes that will enable Joomfish to interact with database queries more effectively (redux) (Geraint-Edwards[280])

  Sorry - closed pull request 44 by mistake (I'm new to github). This new request has the getter added to the correct class (I'd cut and pasted it in the wrong class last time :( ). To avoid confusion I'll repeat my comment about setters: A setter is a good idea (but not essential) but it would allow for unforeseen eventualities. The only problem with the setter is how it would interact with JDatabaseQueryElement - i.e. which one of the elements would it be setting? You can always simulate a setter by getting the separate element groups, calling clear and then resetting the relevant element. e.g. in pseudo code: $elements = $query->where; // do something to elements $query->clear('where'); foreach ($elements as $elem){ $query->where($elem); } Perhaps the last 4 lines would be the code for the __set method?

- [#46[281]] Move JUpdater:arrayUnique() to JArrayHelper::arrayUnique(). (realityking[282])

  IMO this sort of utility function is potentially useful for extension as well and should be located in a place where people would actually look for it :)

- [#49[283]] Sync up media changes from trunk (realityking[284])

[265] https://api.github.com/repos/joomla/joomla-platform/issues/52
[266] https://api.github.com/users/svanschu
[267] https://api.github.com/repos/joomla/joomla-platform/issues/55
[268] https://api.github.com/users/realityking
[269] https://api.github.com/repos/joomla/joomla-platform/issues/56
[270] https://api.github.com/users/realityking
[271] https://api.github.com/repos/joomla/joomla-platform/issues/51
[272] https://api.github.com/users/sebastianbergmann
[273] https://api.github.com/repos/joomla/joomla-platform/issues/42
[274] https://api.github.com/users/chdemko
[275] https://api.github.com/repos/joomla/joomla-platform/issues/41
[276] https://api.github.com/users/chdemko
[277] https://api.github.com/repos/joomla/joomla-platform/issues/50
[278] https://api.github.com/users/realityking
[279] https://api.github.com/repos/joomla/joomla-platform/issues/47
[280] https://api.github.com/users/GeraintEdwards
[281] https://api.github.com/repos/joomla/joomla-platform/issues/46
[282] https://api.github.com/users/realityking
[283] https://api.github.com/repos/joomla/joomla-platform/issues/49

- [#18[285]] Add JDocumentOpensearch. (realityking[286])

  These are the library changes for this patch: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=25250 This is potentially useful for other apps as well.

- [#45[287]] Cleared Fatal crash if JTestConfig not found (Paladin[288])

  Added different config file to JDatabaseMySQLTest to allow an independent decision by the tester on whether these tests should be run. It now requires config_mysql.php to contain the JMySQLTestConfig class to be present or the tests will be skipped.

- [#12[289]] New Unit tests (realityking[290])

  A couple of unit tests from my Bitbucket branch.

- [#39[291]] Update FancyUpload to version 3.0.1. (realityking[292])

- [#33[293]] Fixed JStringTest (Paladin[294])

  Darwin bug was causing tests to fail. Added test for Darwin, and if tests are running under Darwin, it marks the international string tests as skipped, and gives the reason why.

- [#34[295]] Fixed broken JCacheStorageTest test (Paladin[296])

  Test case did not handle mimimum cache life properly. Also moved test into the JoomlaTestCase class hierarchy because of its dependencies and cleaned up duplicated code.

- [#35[297]] Fixed JCacheTest cases (Paladin[298])

  JCacheTest test cases were pointed at a directory structure that no longer exists in the new testing environment. I pointed them to the correct location.

- [#37[299]] JDocumentRenderer tests skipped (Paladin[300])

  The JDocumentRendererAtom and JDocumentRendererRSS classes are too tightly coupled for good testing right now, so I marked the tests as skipped with a todo to come back after breaking more dependencies in the code. I basically punted on these tests, after doing a minor bit of code cleanup. They're too tightly coupled with too long of a chain of static method calls to be able to test as a block right now. So I marked the tests as skipped, and left a TODO to revisit them after we've broken a few more layers of dependency.

- [#32[301]] Cleaning up after JDocument changes (Paladin[302])

  Removing methods under test while ignoring the tests caused a mess that needed cleaned up.

[284] https://api.github.com/users/realityking
[285] https://api.github.com/repos/joomla/joomla-platform/issues/18
[286] https://api.github.com/users/realityking
[287] https://api.github.com/repos/joomla/joomla-platform/issues/45
[288] https://api.github.com/users/Paladin
[289] https://api.github.com/repos/joomla/joomla-platform/issues/12
[290] https://api.github.com/users/realityking
[291] https://api.github.com/repos/joomla/joomla-platform/issues/39
[292] https://api.github.com/users/realityking
[293] https://api.github.com/repos/joomla/joomla-platform/issues/33
[294] https://api.github.com/users/Paladin
[295] https://api.github.com/repos/joomla/joomla-platform/issues/34
[296] https://api.github.com/users/Paladin
[297] https://api.github.com/repos/joomla/joomla-platform/issues/35
[298] https://api.github.com/users/Paladin
[299] https://api.github.com/repos/joomla/joomla-platform/issues/37
[300] https://api.github.com/users/Paladin
[301] https://api.github.com/repos/joomla/joomla-platform/issues/32
[302] https://api.github.com/users/Paladin

- [#8[303]] Docblocks branch (elinw[304])

  This should be just the doc block edits.

- [#31[305]] Cleaned up After JVersion Rename (Paladin[306])

  Rename of JVersion left the tests for it untouched. Renamed the test file and everything associated with JVersion to JPlatform, to catch up with change.

- [#13[307]] Move the rendering of HTML link elements to JDocumentRendererHead. (realityking[308])

  Previously discussed here: http://joomlacode.org/gf/project/joomla/tracker/?action=TrackerItemEdit&tracker_item_id=25251 Note: This has some small backwards compatibility consequences (e.g. if somebody chose to override either of the two classes involved) but it makes JDocument more consistent and opens up future use (head links in other types of documents).

- [#22[309]] Bb bit bucket url stuff updated (elinw[310])

  old request did not have the test

- [#17[311]] Remove getHeadData(), setHeadData() and mergeHeadData() from JDocument si (realityking[312])

  Remove getHeadData(), setHeadData() and mergeHeadData() from JDocument since it only applies to JDocumentHTML.

- [#23[313]] Remove workaround for PHP 4 and PHP 5.2.3 in JFTP and JXMLElement. (realityking[314])

- [#11[315]] AJAX improvements (realityking[316])

  Small library modification to make it easier to use AJAX or other JS functionality with the Joomla framework.

- [#20[317]] Use require_once instead of include in JLoader (rvsjoen[318])

  I do not know if there is a good reason for using include over require_once, if there is, please disregard this commit. All unit tests ran fine with this change.

- [#14[319]] JURI bugfix + stuff (realityking[320])

  This fixes a regression in JURI (first commit). It also contains some new unit tests and code style improvements. The last commit removes a function parameter that is unused.

- [#19[321]] Fix some unit tests so they also work on Windows (rvsjoen[322])

  This has been previously discussed in this thread http://groups.google.com/group/joomla-dev-framework/browse_thread/thread/2bbd283638862a79

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[303] https://api.github.com/repos/joomla/joomla-platform/issues/8
[304] https://api.github.com/users/elinw
[305] https://api.github.com/repos/joomla/joomla-platform/issues/31
[306] https://api.github.com/users/Paladin
[307] https://api.github.com/repos/joomla/joomla-platform/issues/13
[308] https://api.github.com/users/realityking
[309] https://api.github.com/repos/joomla/joomla-platform/issues/22
[310] https://api.github.com/users/elinw
[311] https://api.github.com/repos/joomla/joomla-platform/issues/17
[312] https://api.github.com/users/realityking
[313] https://api.github.com/repos/joomla/joomla-platform/issues/23
[314] https://api.github.com/users/realityking
[315] https://api.github.com/repos/joomla/joomla-platform/issues/11
[316] https://api.github.com/users/realityking
[317] https://api.github.com/repos/joomla/joomla-platform/issues/20
[318] https://api.github.com/users/rvsjoen
[319] https://api.github.com/repos/joomla/joomla-platform/issues/14
[320] https://api.github.com/users/realityking
[321] https://api.github.com/repos/joomla/joomla-platform/issues/19
[322] https://api.github.com/users/rvsjoen

- [#2[323]] Missing paremeter (jonnsl[324])

  The function getUserState in the JApplication class is missing the $default parameter

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[323] https://api.github.com/repos/joomla/joomla-platform/issues/2
[324] https://api.github.com/users/jonnsl

Appendix B. Configuring Code Analysis Tools

Table of Contents

B.1. Running Unit Tests

Before code gets pulled into the master repository, the unit testing suite is run to ensure that the change candidates to not leave trunk in an unstable state (i.e. all tests should pass at all times). In order to make the process of getting your code accepted it is helpful to run these tests locally to prevent any unexpected surprises.

The Joomla Platform unit tests are developed for use with PHPUnit 3.5, which is the latest stable version as of August 2011. Please see the PHPUnit Manual[1] for information on installing PHPUnit on your system.

B.1.1. Configuring Your Environment

At this point in time you will get a bunch of failed unit tests if you attempt to execute them without first creating a database, populating it, and configuring the unit tests to be able to locate the correct database using the correct user.

To do this, perform the following steps:

• Create a database and a database user with full access to the database.

• Populate the database by executing the ddl.sql file found in the tests directory.

• Copy the config.php-dist file to config.php (in the tests directory) and edit the host, user, password and db values as appropriate (this step can be skipped if your database is on localhost, is named joomla_ut, your user is named utuser and the password is ut1234.

B.1.2. Running the Tests

You can run the tests by going to the platform root directory and executing **phpunit**

B.1.3. Known Issues

• There is currently a cache test that will fail the first time you run the tests. If you run the tests a second time it should pass.

B.2. Coding Standards Analysis

In order to improve the consistency and readability of the source code, we run a coding style analysis tool everytime changes are pushed in the repo. For new contributions we are going to be encorcing coding standards to ensure that the coding style

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[1] http://www.phpunit.de/manual/3.5/en/installation.html

in the source code is consistent. Ensuring that your code meets these standards will make the process of code contribution smoother.

The Joomla Platform sniffer rules are written to be used with a tool called PHP_CodeSniffer. Please see the PHP_CodeSniffer Pear Page[2] for information on installing PHP_CodeSniffer on your system.

B.2.1. Configuring Your Environment

The Joomla project has written custom code sniffer rules for use with PHP_CodeSniffer. Unfortunately, these is a limitation in PHP_CodeSniffer which means that in order to use the custom rules they either have to be symlinked or copied into the PEAR directory.

The build/phpcs/Joomla directory must be copied into CodeSniffer standards directory. On Ubuntu 11.04 this directory is `/usr/share/php/PHP/CodeSniffer/Standards`. On Macports this directory is `/opt/local/lib/php/PHP/CodeSniffer/Standards`. Other systems and configurations will vary.

B.2.2. Running CodeSniffer

You can run CodeSniffer by going to the platform root directory and executing **phpcs --report=checkstyle --report-file=build/logs/checkstyle.xml --standard=Joomla /path/to/platform**

B.2.3. Known Issues

• There is currently an issue with running the Code Sniffer on the Simplepie library. Running from inside the Joomla folder will avoid this issue.

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[2] http://pear.php.net/package/PHP_CodeSniffer