



# Using code coverage to debug your plugin

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# Code coverage

Wikipedia:

In computer science, code coverage is a measure used to describe the degree to which the source code of a program is tested by a particular test suite. A program with high code coverage has been more thoroughly tested and has a lower chance of containing software bugs than a program with low code coverage.

```
php admin/tool/phpunit/cli/init.php
php admin/tool/phpunit/cli/util.php --buildcomponentconfigs
```

```
phpdbg -qrr vendor/bin/phpunit --coverage-text --configuration mod/forum
OR
/opt/moodle-plugin-ci/bin/moodle-plugin-ci phpunit --coverage-text mod/forum
```

```
Time: 2.56 minutes, Memory: 324.00 MB
```

```
OK (433 tests, 3376 assertions)
```

```
Generating code coverage report in Clover XML format ... done
```

```
Code Coverage Report:
```

```
2019-11-09 17:20:03
```

```
Summary:
```

```
Classes: 27.78% (30/108)
```

```
Methods: 64.52% (562/871)
```

```
Lines: 44.42% (6846/15412)
```

# Run

```
- moodle-plugin-ci phpunit --coverage-text --coverage-clover  
after_success:  
- moodle-plugin-ci coveralls-upload
```

```
1172 Time: 20.14 minutes, Memory: 142.50 MB  
1173  
1174 OK (449 tests, 3499 assertions)  
1175  
1176 Generating code coverage report in Clover XML format ... done  
1177  
1178  
1179 Code Coverage Report:  
1180 2019-11-09 21:24:07  
1181  
1182 Summary:  
1183 Classes: 28.00% (28/100)  
1184 Methods: 67.96% (560/824)  
1185 Lines: 68.43% (5291/7732)  
1186
```

# Travis

mod/glossary	29.47%
mod/imscp	36.94%
mod/lesson	35.32%
mod/forum	44.43%
mod/feedback	36.88%
mod/quiz	33.53%
mod/url	20.26%
mod/page	21.59%
mod/choice	40.33%
mod/book	22.08%
mod/chat	21.32%
mod/wiki	28.12%
mod/folder	23.12%
mod/scorm	18.13%
mod/label	24.01%
mod/resource	24.09%

question/behaviour/adaptive	86.93%
question/type/description	84.21%
question/format/examview	84.09%
media/player/youtube	83.10%
question/behaviour/interactive	82.44%
availability/condition/profile	79.31%
question/behaviour/deferredcbm	78.78%
question/format/blackboard_six	78.64%
question/type/calculatedsimple	75.82%
question/behaviour/immediatefeedback	73.44%
filter/glossary	72.62%
question/type/numerical	70.85%
media/player/html5audio	70.73%

COVERAGE	FILE	LINES	RELEVANT	COVERED	MISSED	HITS/LINE
0.0	...um/classes/analytics/indicator/cognitive_depth.php	75	11	0	11	0.0
0.0	...rum/classes/analytics/indicator/social_breadth.php	56	7	0	7	0.0
77.42	mod/forum/classes/event/assessable_uploaded.php	140	31	24	7	69.0
0.0	...asses/event/course_module_instance_list_viewed.php	39	1	0	1	0.0
88.89	mod/forum/classes/event/course_module_viewed.php	72	9	8	1	2.0
94.74	mod/forum/classes/event/course_searched.php	117	19	18	1	1.0
80.95	mod/forum/classes/event/discussion_created.php	123	21	17	4	3.0
80.95	mod/forum/classes/event/discussion_deleted.php	121	21	17	4	3.0
79.17	mod/forum/classes/event/discussion_moved.php	126	24	19	5	2.0
0.0	...orum/classes/analytics/indicator/activity_base.php	93	26	0	26	0.0

SHOW  ENTRIES      Showing 1 to 10 of 102 entries      < PREVIOUS 1 2 3 4 5 ... 11 NEXT >

```
97     if (!$cm) { 2x
98         if (!$cm = get_coursemodule_from_instance('forum', $forum->id, $forum->course)) { 2x
99             print_error('invalidcoursemodule'); |
100         }
101     }
102     $context = context_module::instance($cm->id); 2x
103
104     if (empty($sort)) { 2x
105         $sort = forum_get_default_sort_order(); 2x
106     }
107
108     $solddiscussionlink = false; 2x
109
110     // Sort out some defaults.
111     if ($perpage <= 0) { 2x
112         $perpage = 0; |
113         $page = -1; |
114     }
```

# EWALLAH / MOODLE-AVAILABILITY\_COURSECOMPLETED

85%

DEFAULT BRANCH: MASTER

REPO ADDED  
29 APR 2017 12:10PM UTC

TOTAL FILES  
28

# BUILDS  
51

BADGE  
coverage 85%

TOKEN  
1827f4f9f46464646464646464646464

## LAST BUILD ON BRANCH MASTER

BRANCH: MASTER

COMMITTED 5 NOV 2019 - 9:01

COVERAGE REMAINED THE SAME AT 85.294%

BUILD #	BUILD TYPE	COMMITTED BY	COMMIT MESSAGE	RUN DETAILS
178	push travis-ci	ewallah	php-webdriver patch removal	203 of 238 relevant lines covered (85.29%) 13.18 hits per line

### RELEVANT LINES COVERED

238 RELEVANT LINES 203 COVERED LINES

13.18 HITS PER LINE



The Moodle logo is centered in the upper half of the image. It features a dark teal graduation cap icon positioned over the letter 'm'. The word "moodle" is written in a lowercase, rounded, orange font. The background is a solid teal color.

moodle

