Source Lines of Code

Tiki ships with approx 1M lines of code.

The Tiki project re-uses a lot of code from various external libraries so a quick guesstimate is that less than half of the code shipped in Tiki is maintained by the Tiki community and the rest is Standing on the shoulders of giants. For example, Zend Framework (which is bundled in Tiki) is 400k+ LOCs.

We always upstream patches when we find issues. There is a discussion on how to reduce disk space.

File count of the zip file

12.2

- Total: 14,803 Files, 1,979 Folders
- Included from other projects (/vendor & /vendor_extra): 7,511 Files, 1,316 Folders
- Maintained by the Tiki community: 7,292 Files, 663 Folders

CLOC

http://cloc.sourceforge.net/

12.0

These stats seems wrong (too low)

D:\cloc>cloc-1.60.exe tiki-12.0

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP</td>
<td>2059</td>
<td>51615</td>
<td>105234</td>
<td>308285</td>
</tr>
<tr>
<td>Javascript</td>
<td>128</td>
<td>6496</td>
<td>7153</td>
<td>44897</td>
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<tr>
<td>CSS</td>
<td>139</td>
<td>9834</td>
<td>3275</td>
<td>42634</td>
</tr>
<tr>
<td>SQL</td>
<td>424</td>
<td>1000</td>
<td>43</td>
<td>19112</td>
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<tr>
<td>XML</td>
<td>26</td>
<td>26</td>
<td>2</td>
<td>1250</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>2</td>
<td>135</td>
<td>144</td>
<td>866</td>
</tr>
<tr>
<td>XSD</td>
<td>8</td>
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<td>108</td>
<td>755</td>
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<td>2</td>
<td>171</td>
<td>1661</td>
<td>750</td>
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<td>HTML</td>
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<td>80</td>
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<td>1</td>
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<td>51</td>
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<td>ASP.Net</td>
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</table>

SUM: 2803 69489 117655 418996

7.0

D:\cloc>cloc-1.53.exe tiki-7.0.RC1

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<tr>
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<th>blank</th>
<th>comment</th>
<th>code</th>
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<tbody>
<tr>
<td>PHP</td>
<td>2059</td>
<td>51615</td>
<td>105234</td>
<td>308285</td>
</tr>
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<td>Javascript</td>
<td>128</td>
<td>6496</td>
<td>7153</td>
<td>44897</td>
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<tr>
<td>CSS</td>
<td>139</td>
<td>9834</td>
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<tr>
<td>SQL</td>
<td>424</td>
<td>1000</td>
<td>43</td>
<td>19112</td>
</tr>
<tr>
<td>XML</td>
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<td>26</td>
<td>2</td>
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<td>135</td>
<td>144</td>
<td>866</td>
</tr>
<tr>
<td>XSD</td>
<td>8</td>
<td>125</td>
<td>108</td>
<td>755</td>
</tr>
<tr>
<td>Pascal</td>
<td>2</td>
<td>171</td>
<td>1661</td>
<td>750</td>
</tr>
<tr>
<td>HTML</td>
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<td>80</td>
<td>23</td>
<td>374</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>7</td>
<td>12</td>
<td>51</td>
</tr>
<tr>
<td>ASP.Net</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>22</td>
</tr>
</tbody>
</table>

SUM: 2803 69489 117655 418996
### Tiki-6.3

```
D:\cloc>cloc-1.53.exe tiki-6.3
8131 text files.
7804 unique files.
1208 files ignored.
```

```
http://cloc.sourceforge.net v 1.53 T=653.0 s (10.2 files/s, 2426.6 lines/s)
Language | files | blank | comment | code  |
----------|-------|-------|---------|-------|
PHP       | 4939  | 104360| 331078  | 706592|
XML       | 512   | 565   | 2       | 237210|
Javascript| 606   | 10802 | 11649   | 64287 |
CSS       | 205   | 9618  | 6456    | 49171 |
HTML      | 77    | 4263  | 1808    | 28444 |
SQL       | 294   | 1001  | 86      | 12800 |
XSD       | 12    | 197   | 74      | 1672  |
XSLT      | 6     | 176   | 46      | 800   |
ASP       | 2     | 33    | 26      | 170   |
DTD       | 4     | 33    | 26      | 170   |
ASP.Net   | 1     | 33    | 26      | 170   |
ActionScript | 1   | 33    | 26      | 170   |
SUM:      | 6662  | 131156| 351592  | 1101830|
```

### TikiWiki-3.8

```
D:\cloc>cloc-1.53.exe tikiwiki-3.8
6297 text files.
5978 unique files.
1087 files ignored.
```

```
http://cloc.sourceforge.net v 1.53 T=614.0 s (11.6 files/s, 2856.3 lines/s)
Language | files | blank | comment | code  |
----------|-------|-------|---------|-------|
PHP       | 5197  | 110589| 346616  | 756290|
XML       | 526   | 820   | 34      | 239020|
Javascript| 712   | 20156 | 22145   | 129987|
CSS       | 243   | 10637 | 7181    | 54734 |
HTML      | 105   | 4795  | 1521    | 30230 |
SQL       | 330   | 1035  | 85      | 13524 |
XSD       | 12    | 197   | 74      | 1672  |
XSLT      | 6     | 176   | 46      | 800   |
ASP       | 2     | 33    | 26      | 170   |
DTD       | 4     | 33    | 26      | 170   |
ASP.Net   | 1     | 33    | 26      | 170   |
ActionScript | 1   | 33    | 26      | 170   |
SUM:      | 7141  | 148575| 378096  | 1227096|
```
Zend Framework

This is

http://cloc.sourceforge.net v 1.53  T=493.0 s (10.1 files/s, 3183.4 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
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<tbody>
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<tr>
<td>XML</td>
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<td>147</td>
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<tr>
<td>Javascript</td>
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<td>17563</td>
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<td>53</td>
<td>988</td>
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<td>39</td>
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<td>150</td>
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<td>26</td>
<td>20</td>
<td>135</td>
</tr>
<tr>
<td>ColdFusion</td>
<td>1</td>
<td>24</td>
<td>23</td>
<td>101</td>
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<tr>
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<td>941186</td>
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</tbody>
</table>

http://cloc.sourceforge.net v 1.53  T=232.0 s (11.8 files/s, 2933.1 lines/s)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
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<th>comment</th>
<th>code</th>
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<tbody>
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<td>PHP</td>
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<td>XSD</td>
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<td>6</td>
<td>1058</td>
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<tr>
<td>SQL</td>
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<td>57</td>
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<tr>
<td>SUM:</td>
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</tbody>
</table>

PHPLOC

- [https://www.ohloh.net/p/phploc](https://www.ohloh.net/p/phploc)

1.9.11
First release of the 1.9.x series: 2005-04

`phploc of Tiki 1.9.11`

```
$ php phpcloc.phar tikiwiki-1.9.11/
phploc 1.7.1 by Sebastian Bergmann.
```
2.4
First release of the 2.x series: 2008-08

phploc of Tiki 2.4

$ php phploc.phar tikiwiki-2.4/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 403
Files: 2017

Lines of Code (LOC): 685005
  Cyclomatic Complexity / Lines of Code: 0.21
Comment Lines of Code (CLOC): 433053
Non-Comment Lines of Code (NCLOC): 251952

Namespaces: 0
Interfaces: 1
Traits: 0
Classes: 1021
  Abstract: 7 (0.69%)
  Concrete: 1014 (99.31%)
  Average Class Length (NCLOC): 199
Methods: 9485
Scope: 8
Non-Static:                                    9461 (99.75%)
Static:                                         24 (0.25%)
Visibility:
  Public:                                        9219 (97.20%)
  Non-Public:                                     266 (2.80%)
Average Method Length (NCLOC):                     21
Cyclomatic Complexity / Number of Methods:       4.53

Anonymous Functions:                            4
Functions:                                       1005

Constants:                                        1041
  Global constants:                                 953
  Class constants:                                   88

3.9
First release of the 3.x series: 2009-05

phploc of Tiki 3.9

$ php phploc.phar tikiwiki-3.9/
phploc 1.7.1 by Sebastian Bergmann.

Directories:                                        707
Files:                                             3607

Lines of Code (LOC):                              1108169
  Cyclomatic Complexity / Lines of Code:          0.22
  Comment Lines of Code (CLOC):                   764386
  Non-Comment Lines of Code (NCLOC):              343783

Namespaces:                                       0
Interfaces:                                        58
Traits:                                            0
Classes:                                          2573
  Abstract:                                        138 (5.36%)
  Concrete:                                        2435 (94.64%)
Average Class Length (NCLOC):                     148
Methods:                                          20287
  Scope:
    Non-Static:                                     19484 (96.04%)
    Static:                                          803 (3.96%)
Visibility:
  Public:                                          17835 (87.91%)
  Non-Public:                                       2452 (12.09%)
Average Method Length (NCLOC):                     18
Cyclomatic Complexity / Number of Methods:        3.68

Anonymous Functions:                              3
Functions:                                        1200

Constants:                                        4244
  Global constants:                                  950
  Class constants:                                   3294
4.3
First release of the 4.x series: 2009-11

```
$ php phplc.phar tikiwiki-4.3/
phplc 1.7.1 by Sebastian Bergmann.

Directories: 826
Files: 4275

Lines of Code (LOC): 1285693
  Cyclomatic Complexity / Lines of Code: 0.23
Comment Lines of Code (CLOC): 923936
Non-Comment Lines of Code (NCLOC): 361757

Namespaces: 0
Interfaces: 107
Traits: 0
Classes: 3304
  Abstract: 184 (5.57%)
  Concrete: 3120 (94.43%)
Average Class Length (NCLOC): 135
Methods: 24378
  Scope:
    Non-Static: 23267 (95.44%)
    Static: 1111 (4.56%)
Visibility:
  Public: 21147 (86.75%)
  Non-Public: 3231 (13.25%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.55

Anonymous Functions: 3
Functions: 1538

Constants: 4648
  Global constants: 945
  Class constants: 3703
```

5.4
First release of the 5.x series: 2010-06

```
$ php phplc.phar tiki-5.4/
phplc 1.7.1 by Sebastian Bergmann.

Directories: 1011
Files: 5133

Lines of Code (LOC): 1110368
  Cyclomatic Complexity / Lines of Code: 0.12
Comment Lines of Code (CLOC): 378203
Non-Comment Lines of Code (NCLOC): 732165
```
<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Namespaces</td>
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</tr>
<tr>
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<td>136</td>
</tr>
<tr>
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<td>3914</td>
</tr>
<tr>
<td>Abstract</td>
<td>229 (5.85%)</td>
</tr>
<tr>
<td>Concrete</td>
<td>3685 (94.15%)</td>
</tr>
<tr>
<td>Average Class Length (NCLOC)</td>
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</tr>
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<td>Scope</td>
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</tr>
<tr>
<td>Non-Static</td>
<td>26671 (95.02%)</td>
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<tr>
<td>Static</td>
<td>1398 (4.98%)</td>
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<tr>
<td>Visibility</td>
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<tr>
<td>Public</td>
<td>23927 (85.24%)</td>
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<tr>
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<tr>
<td>Cyclomatic Complexity / Number of Methods</td>
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</tr>
<tr>
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<tr>
<td>Class constants</td>
<td>4065</td>
</tr>
</tbody>
</table>

**6.8**

First release of the 6.x series: 2010-11

```
$ php phploc.phar tiki-6.8/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 976
Files: 5236

Lines of Code (LOC): 1181233
  Cyclomatic Complexity / Lines of Code: 0.12
Comment Lines of Code (CLOC): 396085
Non-Comment Lines of Code (NCLOC): 785148

Namespaces: 0
Interfaces: 138
Traits: 0
Classes: 4251
  Abstract: 236 (5.55%)
  Concrete: 4015 (94.45%)
Average Class Length (NCLOC): 128
Methods: 29608
  Scope:
    Non-Static: 28100 (94.91%)
    Static: 1508 (5.09%)
  Visibility:
    Public: 25226 (85.20%)
    Non-Public: 4382 (14.80%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.49
```
Anonymous Functions: 5
Functions: 1795

Constants: 5666
  Global constants: 965
  Class constants: 4701

7.2
First release of the 7.x series: 2011-06

phploc of Tiki 7.2

$ php phploc.phar tiki-7.2
phploc 1.7.1 by Sebastian Bergmann.

Directories: 1018
Files: 5461

Lines of Code (LOC): 1221220
  Cyclomatic Complexity / Lines of Code: 0.12
Comment Lines of Code (CLOC): 402302
Non-Comment Lines of Code (NCLOC): 818918

Namespaces: 0
Interfaces: 158
Traits: 0
Classes: 4406
  Abstract: 245 (5.56%)
  Concrete: 4161 (94.44%)
Average Class Length (NCLOC): 127
Methods: 30367
  Scope:
    Non-Static: 28870 (95.07%)
    Static: 1497 (4.93%)
Visibility:
  Public: 25734 (84.74%)
  Non-Public: 4633 (15.26%)
Average Method Length (NCLOC): 18
  Cyclomatic Complexity / Number of Methods: 3.46

Anonymous Functions: 7
Functions: 1744

Constants: 5747
  Global constants: 930
  Class constants: 4817

8.5
First release of the 8.x series: 2011-11

phploc of Tiki 8.5

$ php phploc.phar tiki-8.5/
phploc 1.7.1 by Sebastian Bergmann.
Directories: 1038
Files: 5647

Lines of Code (LOC): 1184504
  Cyclomatic Complexity / Lines of Code: 0.13
Comment Lines of Code (CLOC): 403479
Non-Comment Lines of Code (NCLOC): 781025

Namespaces: 0
Interfaces: 163
Traits: 0
Classes: 4596
  Abstract: 252 (5.48%)
  Concrete: 4344 (94.52%)
  Average Class Length (NCLOC): 125
Methods: 31696
  Scope:
    Non-Static: 30006 (94.67%)
    Static: 1690 (5.33%)
Visibility:
  Public: 26785 (84.51%)
  Non-Public: 4911 (15.49%)
  Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.40
Anonymous Functions: 3
Functions: 1774

Constants: 5867
  Global constants: 861
  Class constants: 5006

9.2
First release of the 9.x series: 2012-06

phploc of Tiki 9.2

$ php phploc.phar tiki-9.2/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 1160
Files: 6163

Lines of Code (LOC): 1281719
  Cyclomatic Complexity / Lines of Code: 0.13
Comment Lines of Code (CLOC): 436256
Non-Comment Lines of Code (NCLOC): 845463

Namespaces: 0
Interfaces: 172
Traits: 0
Classes: 4780
  Abstract: 275 (5.75%)
  Concrete: 4505 (94.25%)
  Average Class Length (NCLOC): 131
Methods: 33470
  Scope:
### phploc of Zend Framework in Tiki 9.2

```
$ php phploc.phar tiki-9.2/lib/core/Zend/
phploc 1.7.1 by Sebastian Bergmann.

Directories: 495
Files: 2379

Lines of Code (LOC): 470465
  Cyclomatic Complexity / Lines of Code: 0.11
Comment Lines of Code (CLOC): 219665
Non-Comment Lines of Code (NCLOC): 250800

Namespaces: 0
Interfaces: 119
Traits: 0
Classes: 2258
  Abstract: 194 (8.59%)
  Concrete: 2064 (91.41%)
Average Class Length (NCLOC): 114
Methods: 15714
Scope:
  Non-Static: 14619 (93.03%)
  Static: 1095 (6.97%)
Visibility:
  Public: 12401 (78.92%)
  Non-Public: 3313 (21.08%)
Average Method Length (NCLOC): 16
Cyclomatic Complexity / Number of Methods: 2.80

Anonymous Functions: 2
Functions: 0

Constants: 3767
  Global constants: 2
  Class constants: 3765
```
Directories 1467
Files 7670

Size
- Lines of Code (LOC) 1566541
- Comment Lines of Code (CLOC) 466975 (29.81%)
- Non-Comment Lines of Code (NCLOC) 1099566 (70.19%)
- Logical Lines of Code (LLOC) 322113 (20.56%)
- Classes 261551 (81.20%)
  - Average Class Length 39
  - Average Method Length 6
- Functions 24440 (7.59%)
  - Average Function Length 10
- Not in classes or functions 36122 (11.21%)

Complexity
- Cyclomatic Complexity / LLOC 0.39
- Cyclomatic Complexity / Number of Methods 3.35

Dependencies
- Global Accesses 26023
- Global Constants 6460 (24.82%)
- Global Variables 4284 (16.46%)
- Super-Global Variables 15279 (58.71%)
- Attribute Accesses 97255
  - Non-Static 94385 (97.05%)
  - Static 2870 (2.95%)
- Method Calls 121237
  - Non-Static 107572 (88.73%)
  - Static 13665 (11.27%)

Structure
- Namespaces 32
- Interfaces 248
- Traits 0
- Classes 6606
  - Abstract Classes 447 (6.77%)
  - Concrete Classes 6159 (93.23%)
- Methods 42230
  - Non-Static Methods 39999 (94.72%)
  - Static Methods 2231 (5.28%)
- Visibility
  - Public Method 37453 (88.69%)
  - Non-Public Methods 4777 (11.31%)
- Functions 2422
  - Named Functions 2213 (91.37%)
  - Anonymous Functions 209 (8.63%)
- Constants 7637
  - Global Constants 1092 (14.30%)
  - Class Constants 6545 (85.70%)

Nice to have
- A graphical representation of LOCs over time, with some dots for releases
  - Overlay of number of active devs and commit stats would be nice... (data could be taken from
Ohloh...
- Also, number of prefs, modules and plugins, where we'll perhaps see the rate of new features vs refinement of features.

Related
- [https://www.openhub.net/p/tikiwiki/analyses/latest/languages_summary](https://www.openhub.net/p/tikiwiki/analyses/latest/languages_summary)
  - The Ohloh stats are way off from the real stats.
    - There is a known issue with branches on Ohloh where if you use SVN, either your commit stats will be incorrect, or you LoC count is off. We chose the later.
    - Untranslated strings are managed in SVN by a script to make it easier for translators to know what to translate, but these are removed at release time to keep the downloads smaller. This artificially boosts the LoC but it's not real work to maintain.
- Tiki Software and Community Dashboard

alias
- SLoc
- CLoc
- LoC
- LoCs
- Lines of Source Code