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): 7511 Files, 1316 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
4448 text files.
4009 unique files.
1786 files ignored.

http://cloc.sourceforge.net v 1.60  T=15.53 s (180.5 files/s, 39038.1 lines/s)

<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>
</tr>
<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>
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</tr>
<tr>
<td>XML</td>
<td>26</td>
<td>135</td>
<td>144</td>
<td>866</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>
<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>23</td>
<td>374</td>
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<tr>
<td>ActionScript</td>
<td>1</td>
<td>7</td>
<td>12</td>
<td>51</td>
</tr>
<tr>
<td>ASP.Net</td>
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<td>0</td>
<td>0</td>
<td>22</td>
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```

SUM: 2803  69489  117655  418996
### 7.0

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

8768 text files.
8354 unique files.
1265 files ignored.

http://cloc.sourceforge.net v 1.53  T=614.0 s (11.6 files/s, 2856.3 lines/s)

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<th>code</th>
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<tr>
<td>PHP</td>
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<td>110589</td>
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<tr>
<td>XML</td>
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<td>820</td>
<td>34</td>
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<td>Javascript</td>
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<td>20156</td>
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<td>CSS</td>
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<td>10637</td>
<td>7181</td>
<td>54734</td>
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<tr>
<td>HTML</td>
<td>105</td>
<td>4795</td>
<td>1521</td>
<td>30230</td>
</tr>
<tr>
<td>SQL</td>
<td>330</td>
<td>1035</td>
<td>85</td>
<td>13524</td>
</tr>
<tr>
<td>XSD</td>
<td>12</td>
<td>197</td>
<td>74</td>
<td>1672</td>
</tr>
<tr>
<td>XSLT</td>
<td>6</td>
<td>176</td>
<td>46</td>
<td>800</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>2</td>
<td>33</td>
<td>26</td>
<td>170</td>
</tr>
<tr>
<td>DTD</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>82</td>
</tr>
<tr>
<td>ASP.Net</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>47</td>
</tr>
</tbody>
</table>

SUM: 7141 148575 378096 1227096

### 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)

<table>
<thead>
<tr>
<th>Language</th>
<th>files</th>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
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<tr>
<td>PHP</td>
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<td>104360</td>
<td>331078</td>
<td>706592</td>
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<tr>
<td>XML</td>
<td>512</td>
<td>565</td>
<td>2</td>
<td>237210</td>
</tr>
<tr>
<td>Javascript</td>
<td>606</td>
<td>10802</td>
<td>11649</td>
<td>64287</td>
</tr>
<tr>
<td>CSS</td>
<td>205</td>
<td>9618</td>
<td>6456</td>
<td>49171</td>
</tr>
<tr>
<td>HTML</td>
<td>77</td>
<td>4263</td>
<td>1808</td>
<td>28444</td>
</tr>
<tr>
<td>SQL</td>
<td>294</td>
<td>1001</td>
<td>86</td>
<td>12800</td>
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<tr>
<td>XSD</td>
<td>12</td>
<td>197</td>
<td>74</td>
<td>1672</td>
</tr>
<tr>
<td>XSLT</td>
<td>6</td>
<td>176</td>
<td>46</td>
<td>800</td>
</tr>
<tr>
<td>ASP</td>
<td>1</td>
<td>129</td>
<td>347</td>
<td>479</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>3</td>
<td>37</td>
<td>25</td>
<td>185</td>
</tr>
</tbody>
</table>
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=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>
</thead>
<tbody>
<tr>
<td>PHP</td>
<td>3537</td>
<td>86137</td>
<td>474385</td>
<td>547665</td>
</tr>
<tr>
<td>XML</td>
<td>485</td>
<td>150</td>
<td>147</td>
<td>204961</td>
</tr>
<tr>
<td>Javascript</td>
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<tr>
<td>CSS</td>
<td>161</td>
<td>6479</td>
<td>3258</td>
<td>35348</td>
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<tr>
<td>SQL</td>
<td>95</td>
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<td>308</td>
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<tr>
<td>HTML</td>
<td>101</td>
<td>4170</td>
<td>1746</td>
<td>26088</td>
</tr>
<tr>
<td>XSLT</td>
<td>8</td>
<td>200</td>
<td>53</td>
<td>988</td>
</tr>
<tr>
<td>Bourne Shell</td>
<td>3</td>
<td>39</td>
<td>14</td>
<td>150</td>
</tr>
<tr>
<td>Perl</td>
<td>1</td>
<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>
</tr>
<tr>
<td>XSD</td>
<td>1</td>
<td>28</td>
<td>28</td>
<td>98</td>
</tr>
<tr>
<td>DTD</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>82</td>
</tr>
<tr>
<td>ActionScript</td>
<td>1</td>
<td>8</td>
<td>21</td>
<td>47</td>
</tr>
<tr>
<td><strong>SUM:</strong></td>
<td>4959</td>
<td>122975</td>
<td>505270</td>
<td>941186</td>
</tr>
</tbody>
</table>

Zend Framework

This is

D:\cloc>cloc-1.53.exe tiki-6.3\tiki-6.3\lib\core\Zend
2736 text files.
2736 unique files.
9 files ignored.

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>
<th>blank</th>
<th>comment</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XML</td>
<td>475</td>
<td>188</td>
<td>0</td>
<td>233973</td>
</tr>
<tr>
<td>PHP</td>
<td>2244</td>
<td>44310</td>
<td>200648</td>
<td>200024</td>
</tr>
</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 phploc.phar tikiwiki-1.9.11/
phploc 1.7.1 by Sebastian Bergmann.
```

Directories: 270
Files: 1414

Lines of Code (LOC): 454555
  Cyclomatic Complexity / Lines of Code: 0.14
Comment Lines of Code (CLOC): 232297
Non-Comment Lines of Code (NCLOC): 222258

Namespaces: 0
Interfaces: 0
Traits: 0
Classes: 475
  Abstract: 0 (0.00%)
  Concrete: 475 (100.00%)
Average Class Length (NCLOC): 237
Methods: 5627
  Scope:
    Non-Static: 5627 (100.00%)
    Static: 0 (0.00%)
Visibility:
  Public: 5626 (99.98%)
  Non-Public: 1 (0.02%)
Average Method Length (NCLOC): 20
Cyclomatic Complexity / Number of Methods: 4.01

Anonymous Functions: 3
Functions: 634

Constants: 498
  Global constants: 498
  Class constants: 0
2.4

First release of the 2.x series: 2008-08

```
$ 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:
    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

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

Directories: 707
Files: 3607
```
4.3
First release of the 4.x series: 2009-11

phloc of Tiki 4.3

$ php phloc.phar tikiwiki-4.3/
phloc 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

phloc of Tiki 5.4

$ php phploc.phar tiki-5.4/
phploc 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

Namespaces: 0
Interfaces: 136
Traits: 0
Classes: 3914
  Abstract: 229 (5.85%)
  Concrete: 3685 (94.15%)
Average Class Length (NCLOC): 130
Methods: 28069
Scope:
  Non-Static: 26671 (95.02%)
  Static: 1398 (4.98%)
Visibility:
  Public: 23927 (85.24%)
  Non-Public: 4142 (14.76%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.48

Anonymous Functions: 3
Functions: 1724
6.8
First release of the 6.x series: 2010-11

phloc of Tiki 6.8

$ 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

phloc of Tiki 7.2

$ php phploc.phar tiki-7.2
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: 4406
  Abstract: 245 (5.56%)
  Concrete: 4161 (94.44%)
  Average Class Length (NCLOC): 127
Methods: 30367
  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
9.2

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

phploc of Tiki 9.2

$ php phploc.phar tiki-9.2/
phloc 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:
    Non-Static: 31594 (94.39%)
    Static: 1876 (5.61%)
  Visibility:
    Public: 28188 (84.22%)
    Non-Public: 5282 (15.78%)
Average Method Length (NCLOC): 18
Cyclomatic Complexity / Number of Methods: 3.44

Anonymous Functions: 3
Functions: 1885

Constants: 6021
  Global constants: 980
  Class constants: 5041

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

12.0

phploc of Tiki 12.0
phploc$ php phloc.phar tiki-12.0
phploc 2.0.4 by Sebastian Bergmann.

Directories 1467
Files 7670

Size

<table>
<thead>
<tr>
<th>Size Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lines of Code (LOC)</td>
<td>1566541</td>
</tr>
<tr>
<td>Comment Lines of Code (CLOC)</td>
<td>466975 (29.81%)</td>
</tr>
<tr>
<td>Non-Comment Lines of Code (NCLOC)</td>
<td>1099566 (70.19%)</td>
</tr>
<tr>
<td>Logical Lines of Code (LLOC)</td>
<td>322113 (20.56%)</td>
</tr>
<tr>
<td>Classes</td>
<td>261551 (81.20%)</td>
</tr>
<tr>
<td>- Average Class Length</td>
<td>39</td>
</tr>
<tr>
<td>- Average Method Length</td>
<td>6</td>
</tr>
<tr>
<td>Functions</td>
<td>24440 (7.59%)</td>
</tr>
<tr>
<td>- Average Function Length</td>
<td>10</td>
</tr>
<tr>
<td>- Not in classes or functions</td>
<td>36122 (11.21%)</td>
</tr>
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</table>

Complexity

<table>
<thead>
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<th>Value</th>
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</thead>
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<td>0.39</td>
</tr>
<tr>
<td>Cyclomatic Complexity / Number of Methods</td>
<td>3.35</td>
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</table>

Dependencies

<table>
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</thead>
<tbody>
<tr>
<td>Global Accesses</td>
<td>26023</td>
</tr>
<tr>
<td>Global Constants</td>
<td>6460 (24.82%)</td>
</tr>
<tr>
<td>Global Variables</td>
<td>4284 (16.46%)</td>
</tr>
<tr>
<td>Super-Global Variables</td>
<td>15279 (58.71%)</td>
</tr>
<tr>
<td>Attribute Accesses</td>
<td>97255</td>
</tr>
<tr>
<td>- Non-Static</td>
<td>94385 (97.05%)</td>
</tr>
<tr>
<td>- Static</td>
<td>2870 (2.95%)</td>
</tr>
<tr>
<td>Method Calls</td>
<td>121237</td>
</tr>
<tr>
<td>- Non-Static</td>
<td>107572 (88.73%)</td>
</tr>
<tr>
<td>- Static</td>
<td>13665 (11.27%)</td>
</tr>
</tbody>
</table>

Structure

<table>
<thead>
<tr>
<th>Structure Description</th>
<th>Count</th>
</tr>
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<tr>
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</tr>
<tr>
<td>Traits</td>
<td>0</td>
</tr>
<tr>
<td>Classes</td>
<td>6606</td>
</tr>
<tr>
<td>- Abstract Classes</td>
<td>447 (6.77%)</td>
</tr>
<tr>
<td>- Concrete Classes</td>
<td>6159 (93.23%)</td>
</tr>
<tr>
<td>Methods</td>
<td>42230</td>
</tr>
<tr>
<td>- Non-Static Methods</td>
<td>399999 (94.72%)</td>
</tr>
<tr>
<td>- Static Methods</td>
<td>2231 (5.28%)</td>
</tr>
<tr>
<td>Visibility</td>
<td></td>
</tr>
<tr>
<td>- Public Method</td>
<td>37453 (88.69%)</td>
</tr>
<tr>
<td>- Non-Public Methods</td>
<td>4777 (11.31%)</td>
</tr>
<tr>
<td>Functions</td>
<td>2422</td>
</tr>
<tr>
<td>- Named Functions</td>
<td>2213 (91.37%)</td>
</tr>
<tr>
<td>- Anonymous Functions</td>
<td>209 (8.63%)</td>
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<tr>
<td>Constants</td>
<td>7637</td>
</tr>
<tr>
<td>Global Constants</td>
<td>1092 (14.30%)</td>
</tr>
</tbody>
</table>
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 artifically 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