Code Count™

A Copy-Lefted Tool

Goals of Presentation

Show you the Web-site for access
• What it is & how it works
• Principles behind it

Learn about our Copy-Left: Your options
• Use As-is
• Distribute As-is
• Modify and Use
• Modify and Distribute

Results to Date and Activities Under Way
Code Count™ – A Copy-Lefted Tool

Outline

Web Site

Copy-Left & USC Limited Public License

Response/Use to date

The CodeCount toolset is a collection of tools designed to automate the collection of source code sizing information. The CodeCount toolset supports multiple programming languages and utilizes one of two possible Source Lines of Code (SLOC) definitions, physical or logical.

The CodeCount toolset is provided in source code only, and may be used as is, modified or further distributed subject to certain limitations. The tools in the collection are supplied in C source code only. You are responsible for compiling and building executable versions. The instructions provide installation and execution directions.

The Codecount toolset is copyright USC Center for Software Engineering but is made available with a Limited Public License which permits the distribution of the modifications you make provided you return a copy to us so we can further enhance the toolset for the benefit of all.

Automating the collection of software sizing data reduces the time and effort required to gather data. It also improves accuracy and consistency of information. A forthcoming presentation provides more details on the

http://sunset.usc.edu/CODECOUNT/index.html
Reachable from CSE/sunset “Available Tools”
Automating the collection of software sizing data reduces the time and effort required to gather data. It also improves accuracy and consistency of information. A downloadable presentation provides more details on the approach(es) used by the programs to count lines of code.

The programs in the CodeCount toolset apply one of two possible SLOC definitions, physical or logical. The physical SLOC definition is based on Dr. Barry Boehm's Deliverable Source Instruction (DSI). It is programming language independent, which enables it to collect other useful information such as comments, blank lines, and overall size, all independent of information content. The logical SLOC definitions will vary depending on the programming language due to language-specific syntax. The logical SLOC definitions are compatible with the SEI's Code Counting Standard.
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Code Count™ - A Copy-Lefted Tool

Code Count Web Site (cont. 3)

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Code Count Web Site (cont. 4)

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Please Fill In User Information

Last Name* :
First Name* :
Company and Division : 
Mailing Address : 

Email* : buildgroup@usc.edu
Phone* : 213/740-5703

Please indicate the type of programming language(s) to which you intend to use the CodeCount Tool:
- AS (Assembly)
- COBOL
- C
- C++
- Java
- Pascal

Intended Use of CodeCount:
- PSP Class Project LOC counting
- ...

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Intended Use of Codecount

PSP Class Project LOC counting

You must fill out the "ed fields

Submit Form  Read Form

Code Count Web Site (cont. 9)

Documents

Source Codes

Postscript format
PDF format

The Practice of Accurate Source Lines of Code Sizing

towritten format
PDF format

Automated Collection of Software Sizing Data
PDF format

Counting Lines of Code, Confusions, Conclusions, and Recommendations

PDF format

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Code Count Web Site (cont. 10)

Ada 175/Assembly C/C++ COBOL FORTRAN

Java JOVIAL Pascal PL/I All Languages

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Outline

Web Site

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Response/Use to date

Copyright
- Held by USC-CSE under license from Northrop Grumman
- "Free" with restrictions
- Limited Public License: Allows use, but restricts distribution

Use and/or Distribution
- Use As-is
- Distribute As-is
- Modify and Use
- Modify and Distribute
Modify, Use and Distribute

Outline

Web Site

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Response/Use to date
Response Data

Downloads

- By date
  - Four within first week! (Dec 11, 1999)
  - 8 eight with 2nd week
  - 56 by end of January
  - 61 by Feb 5, 1999

- By Group to Feb 5, 1999
  - Industry/Gov: 40
  - Personal or undeclared: 7
  - Academic: 14

Modifications received to date: None

Modifications expected: HTML, PERL, Javascript, VB