

Linux Tools Project

EclipseCon 2009

Andrew Overholt Red Hat



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- Tools for Linux packagers
- Change of *main* focus
- Tools for C/C++ developers built on CDT
- Future plans and how to get involved





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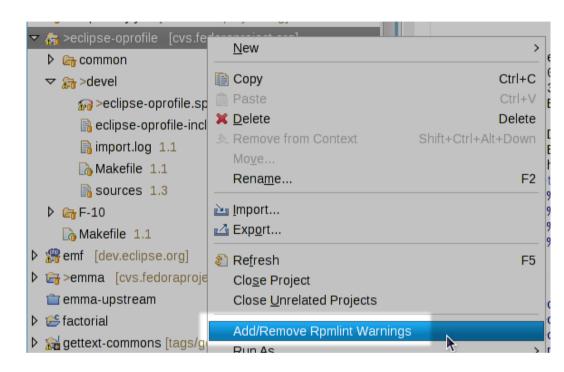


RPM .spec editor

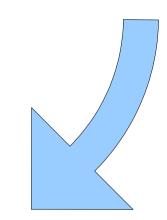
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Version:	0.1.0		⁴ ≣ Preamble
Release:	3%{?dist}		E Preamble
Summary:	Eclipse plugin for OProfile integration		🗢 🔶 Packages
Group:	Development/Tools		マ ▲ eclipse-oprofile
License:	EPL		 description
URL:	http://www.eclipse.org/linuxtools/projectPages/oprofile/		₄– files
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	oprofile-devel >= 0.9.3		
	binutils-devel >= 2.18.50.0.6		
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RPM .spec editor

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"Linux Distros" -> "Linux Tools"

Haven't forgotten our roots



C/C++ Tools

- Developer-focused
- Sane defaults
- Integrate with CDT functionality

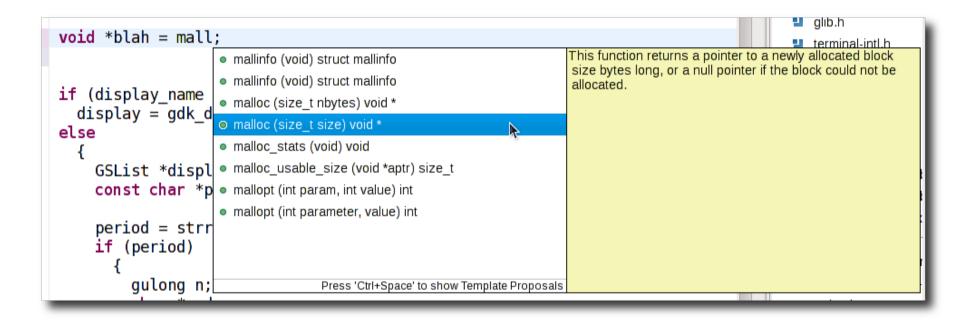


GNU Autotools

Project Explorer	
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🔒 ChangeLog.p	pre-2-23 2865 03/06/08 4:56 PM chpe
	README 2905 16/06/08 5:16 PM chpe AC_ARG_VA
📄 config.guess	Macro: AC_ARG_VAR (variable, description) AC_ARG_VAR
📄 config.h.in	Synopsis: Declare variable is a precious variable, and
📄 config.sub	include its description in the variable section of ./configure help.
📄 configure	
🔓 configure.ac	Being precious means that - variable is substituted via AC_SUBST.
GOPYING 2	- Variable is substituted via AC_SOBST.
📄 depcomp	- The value of variable when configure was launched is saved in the cache, including if it was not specified on the
🔒 gnome-termii	command line but via the environment. Indeed, while
🔒 HACKING 21	configure can notice the definition of CC in ./configure CC=bizarre-cc, it is impossible to notice it in CC=bizarre-c
📄 install-sh	/configure, which, unfortunately, is what most users do.

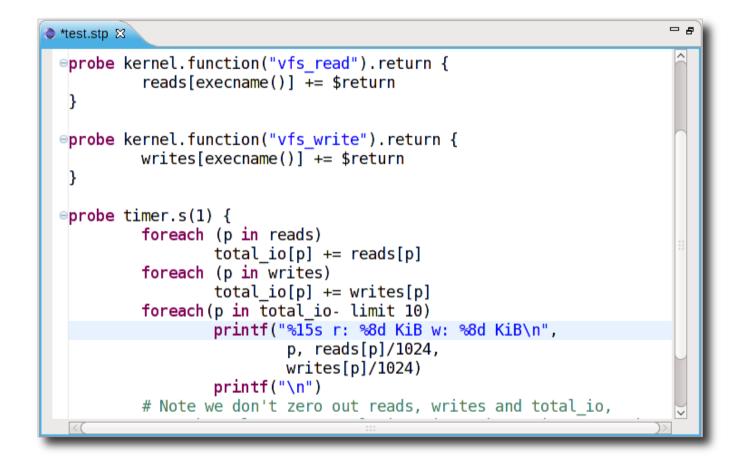


Libhover



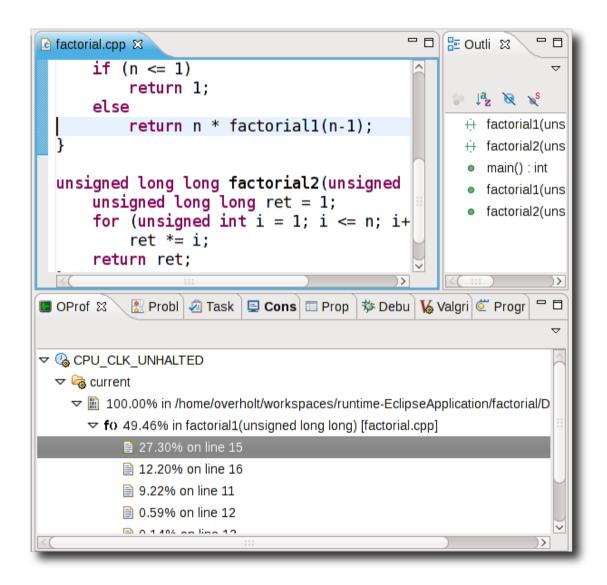


SystemTap



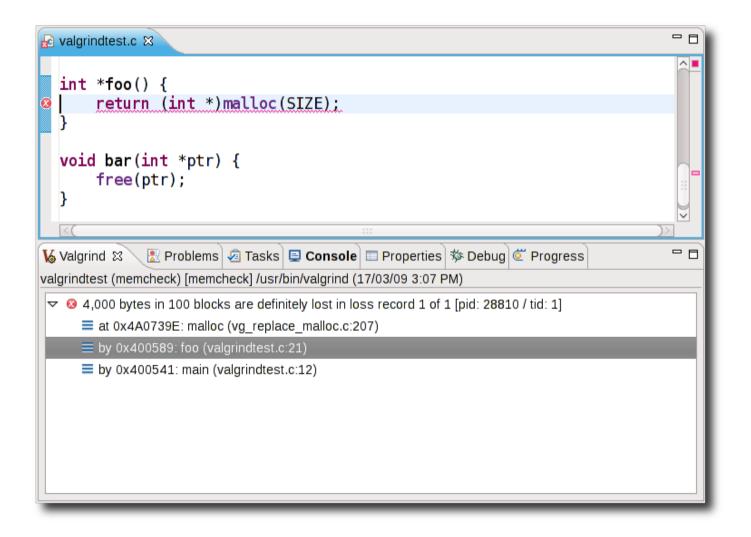


OProfile



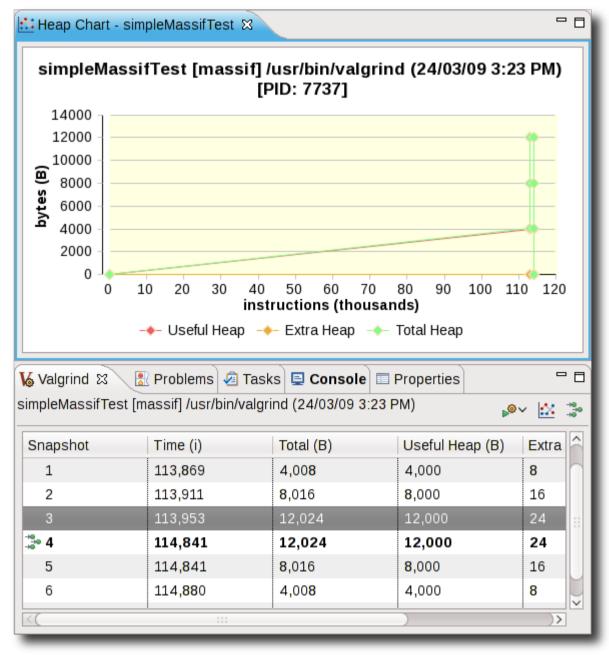


Valgrind





Valgrind





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Plans

- SystemTapGui contribution
- Tracing tools (LTTng, SystemTap)
- Unit testing and coverage (CPPUnit, gcov)
- GCC static analysis
- Virtual machine integration



Join us

- We welcome contributors of all forms
 - Plug-in testers
 - Plug-in developers
 - Web designers
 - Documentation authors
 - Graphic designers
 - Commercial adopters