



File Editing Environment



Pacemaker Software

“CRISP is probably the single most cost effective software development tool that we have purchased....”

Roxar Ltd - developers of sophisticated Oilfield Reservoir simulation software

What is the CRISP File Editing Environment?

Developed originally as a sophisticated editor for Software Developers, CRISP's many features bring tremendous productivity gains to the software development process. CRISP is now also used extensively by other professionals - such as Geologists, Petrophysicists, Electronics Engineers and Clinical Trial Technicians.

CRISP improves the productivity of individuals and provides a mechanism for large development teams, perhaps spread around the world, to co-operate effectively on shared projects.

From source code navigation and control, through language templating and language syntax colourising, to the arithmetic manipulation of columns of data in 4 GB files - there are literally hundreds of CRISP functions. Each one has been created to reduce the time it takes to perform a specific task, ultimately improving the time of your product to market.

The screenshot shows the CRISP File Editing Environment interface. On the left is a 'Contents' window displaying a hierarchical tree of files and folders. At the top, there are several toolbars, including one with a button for loading buffer contents into a web browser. The main area is a multi-buffer, multi-pane edit window showing source code with syntax highlighting. A 'Buffer List' window is open on the right, listing various files like 'AppleWorks 6 [R0]', 'AppleWorks Essentials [R0]', and 'AppleWorks Help.htm'. At the bottom, an 'Output' window displays compilation results and file search results.

Configurable toolbars, eg button to load buffer contents to web browser.

Outlining toolbar for folding or revealing file or program elements

'Contents' window. Browse program structure; file system; show bookmarks and links across project related files; tag all routines across network wide project - auto load file by double clicking on the routine; FTP from within CRISP;

Multi-buffer, multi-pane edit window. Load as many files as you like into editor. Click to cycle through buffers.

'Output' window to view compilation results; file search results; tag searches etc.

CRiSP features and benefits



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Software

Language Colourisers	Colour Language support for Ada, AWK, BASIC, C, C++, Cobol, Fortran, HTML, JAVA, Lisp, Oracle SQL, Pascal, Perl, PostScript, Nroff / Troff, Shell, Sybase Transact-SQL, Tcl, Tex, Win4gl-Ingres, VHDL and Verilog languages - or add your own language colouriser.
Source Code Browser	The source code browser provides a hierarchical way to see the objects defined in a set of source files, e.g. C/C++ classes, enumerations, functions, etc. The browser dynamically updates as source files are edited.
Language Templates	Code construction templates provided for major languages, these and the program comment facilities are user configurable. Can be used to implement a company wide coding style, to reduce code maintenance costs.
System Contents Window	Provides easy file system exploring and loading. Viewing of bookmarks, 'reminder' pop-up notes, code links, or sections in a tree style fashion.
FTP	Perform secure FTP - even through firewalls. Lock and download a copy of a remote file, edit, then upload the file - all from within CRiSP using an easy to use dialog mechanism.
Outlining / Folding	Collapse or 'fold' text within a buffer. Various ways of hiding parts of a file, so that more of what you want to edit is visible on the screen. Includes showing functions/sections only; lines matching/not-matching a string; paragraphs; comments; pre-processor directives.
Source Code Control	From within CRiSP use PVCS, ClearCase, Perforce, TLib, RCS or SCCS to control your source code - or add your own code control system.
Advisory File locking and Sanity Checking	Enables a lock-file to be created in a global directory. If the file has already been locked by another user, a display tells who, when and where the file was edited, Option of stealing the lock or denying the file. If lock is not used and another user or application has also altered a file, then file sanity checking warns the user of the possible conflict before CRiSP writes the file back to disc.
Links to other development tools	CRiSP uses a TCP-IP socket mechanism to integrate with other tools such as HP SoftBench, Microsoft Visual Studio and Sun's Visual Workshop.
Column Editing / Sorting	Simultaneously sort on up to 4 columns of text/data, which can be any width or length from huge (100 MB + files). Perform arithmetic operations on columns of data.
Integral Spell Checking	'On the fly' spell checking similar to some word processors. American English; British English; Dutch; Finnish; French; German; Italian; Spanish; Swedish dictionaries provided plus support for custom dictionaries.
File-merge support	Compare files for differences, then automatically merge files and edit the merged file, to decide which changes to keep.
Tag building	Find/Build tags menu option uses the CRiSP tags (crtags) utility. Extensions to crtags include the ability to automatically scan a directory tree for source files and keep a tags database up to date. Tags facility for many languages. Links to the source code browser window.
Miscellaneous features	WebNews - monitor multiple news groups dynamically. Edit and view binary, hex and compressed files from DOS, UNIX or Macintosh sources. Toggle line numbering on and off. Make and Compile from within CRiSP. browse Errors returned by compiler. Run Shell scripts from within CRiSP. Change log for annotating Source changes. Powerful Search and Replace options using Regular Expressions to search loaded buffers. Scroll lock two windows together. Multiple backups of files, Autosave options, demand loading of files.
User Customisable	Users can take any of the supplied macro sources and extend CRiSP to support their application.

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Availability

CRiSP is available for the following hardware and operating systems :

- UNIX Workstations :- SUN -Solaris; HP - HPUX 9, 10, legacy DEC Alpha; IBM -AIX 3,4; SGI - Irix 6;
- Apple MacOS X 10.1.3 or higher.
- Intel platforms:- Solaris, SCO UNIX, LINUX, FREE BSD, BSDI, QNX, Microsoft Windows 95, 98, 2000, XP, NT

Ordering information

CRiSP-FLS floating license for UNIX workstations.
CRiSP-WIN node locked license for Windows 95, 98, 2000, XP or NT systems.
CRiSP-Mac node locked license for Apple Mac
CRiSP-LIN node locked license for Linux systems.

Purchase includes software license, media, software updates and support for 12 months. Volume discounts available.

If you would like to know more about CRiSP or to download an evaluation copy of the software, then please visit our website:

<http://www.pacemaker.co.uk>

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