

نرم افزارهاي معادل ويندوز و لينوكس (برنامه نويسي) - مهدي بياضي

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7) Programming and development.

IDE	1) Microsoft VisualStudio .net 2) Emacs, XEmacs 3) Vim + ctags + scripts from vim.sf.net 4) Boa Constructor 5) PythonCard	1) CodeForge. 2) Kdevelop + Qt3 Designer. 3) Eclipse. 4) Glade + Motor or + Xwpe or + any text editor. 5) Emacs, XEmacs. 6) Vim + ctags + scripts from vim.sf.net. 7) Boa Constructor. 8) PythonCard.
Visual C++ IDE	Borland C++ Builder, MS Visual C	1) Anjuta + Glade + Devhelp. 2) KDE Studio Gold. [Prop] 3) Dev-C++. 4) Kylix. [Prop] (Kylix Personal Edition is free). 5) vtkBuilder. 6) foxBuilder. 7) wxDesigner. 8) Arriba. [Prop] 9) Code Crusader. [Prop] 10) CodeWarrior. [Prop] 11) Gbuilder. 12) Source Navigator. 13) TimeStorm. [Prop] 14) Understand for C++. [Prop] 15) SlickEdit. [Prop] 16) Vide.
C++ IDE	Borland Turbo C++ 3.0 for DOS, Minimalist GNU For Windows (mingw32-gcc.exe)	1) GCC (+ Motor or + Xwpe). 2) LinEdit. 3) Rhide. 4) Wxstudio. 5) Eclipse.
Object Pascal IDE	Delphi	1) Kylix. [Prop] (Kylix Personal Edition is free). 2) Lazarus + FPC.
Pascal	Pascal, BP	1) Freepascal. 2) GNU Pascal (gpc). 3) RShell (in style of Borland Pascal 7.0)
Basic	Basic	1) Hbasic. 2) X-basic. 3) Yabasic. 4) SmallBASIC.
Prolog	VisualProlog,	1) GNU Prolog.

	Mercury , SICStus Prolog [Prop]	2) Mercury . 3) SWI-Prolog . 4) SICStus Prolog . [Prop] 5) CIAO Prolog.
Assembler	TASM, MASM, NASM	1) NASM . (Intel syntax) 2) FLAT Assembler . 3) gas. (AT&T syntax, part of binutils).
Disassembler, Reverse engineering	SoftIce	The source code is open :) 1) ldasm .
Debugger	1) WinDbg 2) Minimalist GNU For Windows (gdb.exe)	gdb. Frontends: 1) ddd . 2) xxgdb , mxgdb . 3) CGDB . 4) Vim scripts . 5) [X]Emacs C-mode . 6) KMD . 7) NANA . (Library)
WYSIWYG html editor	1) Macromedia Dreamweaver 2) MS Frontpage 3) Netscape / Mozilla Composer 4) Openoffice HTML editor	1) Netscape / Mozilla Composer . 2) Openoffice HTML editor . 3) Amaya . 4) GINF (Ginf is not Frontpage) 5) IBM WebSphere Homepage Builder . [Prop] 6) JXHTML EDIT (Java).
Powerful editor for site creating, contains set of samples and can be complemented with every sort and kind of plug-ins	Dreamweaver Ultradev	???
HTML / DHTML editor	HomeSite, Coffeecup	1) Quanta Plus . 2) Bluefish . 3) WebMaker . 4) Screem . 5) Toppage . 6) WebDesigner . 7) ScriptEditor . 8) August . 9) Coffeecup / Linux . 10) FCKeditor .
HTML / DHTML editor	Arachnofilia	Arachnofilia . [Prop]
XML Editor	XML Spy [Prop]	1) XMLMind XML Editor . 2) Vim . 3) Emacs .
Perl/Python/Tcl IDE	???	1) Komodo . [Prop] 2) Perl Dev Kit .
Java IDE	JBuilder, IDEA	Link: Java Tools for Linux . 1) Jbuilder .

J2EE based application server	???	2) NetBeans . 3) Eclipse . 4) Sun ONE Studio . [formerly Forte] 5) Vide . 1) JBoss .
IDE for Oracle Database development	T.O.A.D., SQL Navigator, PL/SQL Developer	Tora .
CASE-facility for UML	ArgoUML , Together ControlCenter [Prop]	1) Umbrello UML Modeller . 2) Dia+Dia2Code . 3) PoceidonCE (community edition) . 4) ArgoUML . 5) Together ControlCenter [Prop]
Top-level CASE system	Rational Rose.	Rational Rose. [Prop]
HEX-editor	Hiew	1) Biew . 2) KHexEdit . 3) hexedit (console). 4) GHex .
Clipper compiler and preprocessor	CA-Clipper, The Harbour Project	1) Clip . 2) The Harbour Project . 3) xHarbour .
Platform in dot-net style	M\$.Net	1) Mono . 2) DotGNU/Portable.NET
Work with CVS	WinCVS, TortoiseCVS, cvs for Windows, BitKeeper [Prop]	1) cvs (console). 2) Cervisia (KDE). 3) Linevs . (Front-end for CVS) 4) BitKeeper . [Prop] 5) SubVersion . (enhanced CVS-like platform + WebDAV -> SCM)
IDE for Interbase/Firebird development	IBExpert	1) IBAccess 2) IBAdmin [prop] 3) IBWebAdmin (apache / php)
Visual Basic	Visual Basic	1) Phoenix . 2) KBasic . 3) HBasic . 4) Mono .
Graphical libraries	1) WinAPI, MFC, VCL (C, C++) 2) Tk (Tcl, C) 3) Tkinter (over Tk for Python, Perl, etc) 4) wxWindows (C++) (over winapi) 5) wxPython	If toolkit is oriented on C, usually it's possible to use it from the other languages. There is object bindings for some of them to use them with C++ and other OO-languages. Toolkits, oriented on C++ from the beginning, are impossible to use from C, and quite often - from the other languages. 1) X11/Xext (C) - low level libraries,

		<p>used by others.</p> <p>2) Xt - X Toolkit (C) - reference X11 toolkit</p> <p>3) Xaw - MIT Athena (C) - reference X11 toolkit</p> <p>4) Xaw3d - MIT Athena 3D (C) - Athena with 3D-view</p> <p>5) LessTif - opensource analog of Motif 1 (C)</p> <p>6) OpenMotif (C)</p> <p>7) Tk (Tcl, C)</p> <p>8) Tkinter (over Tk for Python, Perl, etc)</p> <p>9) wxWindows (C++) (over GTK+ - wxGtk or Motif - wxMotif)</p> <p>10) wxPython (Python) (over wxWindows)</p> <p>11) Qt (C++)</p> <p>12) GTK+ (C, C++)</p> <p>13) PyQt (over Qt for Python)</p> <p>14) PyGTK (over GTK+ for Python)</p> <p>15) Gtk::Perl (over GTK+ for Perl)</p> <p>16) Qt for Perl (over Qt for Perl)</p> <p>17) GtkAda (over GTK+ for Ada95)</p> <p>18) FLTK (C++)</p> <p>19) XView (C)</p> <p>20) FOX (C++)</p> <p>21) AWT, Swing (Java)</p> <p>22) WinAPI and MFC through wine (C)</p>
Source code documentation system	???	<p>1) Doxygen.</p> <p>2) CWEB.</p>
Memory leak tracing	<p>1) Numega Bounds Checker</p> <p>2) Rational Purify</p>	<p>1) MallocDebug.</p> <p>2) Valgrind.</p> <p>3) Kcachegrind.</p> <p>4) ElectricFence.</p> <p>5) dmalloc.</p> <p>6) ccmalloc.</p> <p>7) LeakTracer.</p> <p>8) memprof.</p> <p>9) BoundsChecker. [prop]</p> <p>10) mprof.</p> <p>11) Insure. [prop]</p> <p>12) dbx. (for Sparc)</p> <p>13) YAMD.</p> <p>14) Njamd.</p> <p>15) Mpatrol.</p>
Application development profiling (tests code performance)	???	<p>1) gProf.</p> <p>2) JUnit. (Java)</p>
Software projecting	1) Rational Rose	???

	2) Enterprise Architec 3) Visio	
Game programming	1) DirectX 2) libSDL 3) ClanLib	1) libSDL 2) ClanLib
Everything needed for work with XML Schemas, DTD, XSL/XSLT, SOAP, WSDL (edit, debug, check, etc)	1) Altova XMLSpy Suite	???
Source code -> HTML-document with highlighted syntax	???	1) Webcpp.
Bug Tracking System	???	1) Bugzilla.
Object Request Broker (ORB)	1) ORBIT	1) ORBIT.
Portability	???	1) Autoconf, Automake & Libtool.
Source code indexer and cross-referencer	???	1) GNU GLOBAL. 2) LXR.
Dynamic tracer of system calls	???	1) Syscalltrack.
XML C parser	1) libxml (???)	1) Libxml2.
FoxPro	Visual FoxPro	qwerty