Delphi® XE

embarcadero®

Feature Matrix

INTEGRATED COMPILERS	Architect	Enterprise	Professional	Starter
Enhanced in XE! High-performance 32-bit optimizing Delphi® native code compiler 22.0 (dcc32), including High performance x86 Assembler - 32-bit inline assembler supporting the Intel® x86 instruction set (including Intel Pentium® Pro, Pentium III, Pentium 4, Intel MMX™, SIMD, Streaming SIMD Extensions, SSE, SSE2, SSE3, SSE 4.1, SSE 4.2, AMD SSE4A and AMD® 3DNow!®	X	X	X	X
Introduced in 2009! Create and deploy 32-bit optimized Delphi native executables to 32 and 64-bit Windows operating systems.	X	X	X	

INTEGRATED FRAMEWORKS, DESIGNERS, SDKS AND INSTALLERS	Architect	Enterprise	Professional	Starter
Enhanced in XE! VCL (Visual Component Library) for rapidly building Microsoft Windows applications for Windows 7 support, Windows Vista, XP, and 2000 with graceful fallback compatibility	X	X	X	X
Enhanced in XE! Microsoft Win32 SDK with support for Windows Vista APIs and Windows 7	X	X	X	X
Introduced in 2010! Support for Windows 7 Direct2D API	X	X	X	X
VCL forms designer with live Snap-to hints and layout guidelines	X	X	X	X
Enhanced in XE! Unified Modeling Language® (UML®) designer	X	X	X	
InstallAware installer technology allows for on the fly updating. IDE can automatically check for updates	X	X	X	

INTEGRATED BUILD TOOLS AND PROJECT SUPPORT	Architect	Enterprise	Professional	Starter
Enhanced in XE! Project Manager view menu for directory (nested), directory (flat) and list view of files in a project and with an enhanced status bar for more file information.	X	X	X	X
Introduced in 2010! File manipulation and creation through the Project Manager facilities	X	X	X	X
Introduced in 2009! Compiler option to treat warnings as errors	X	X	X	X
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	X	X	X	X
Enhanced in XE! Delphi 1 through 2010 project import	X	X	X	X
Enhanced in XE! Build Configurations provide flexibility to organize multiple build settings for all compiler, linker options, and platform support	X	X	X	X
Introduced in 2009! Named option sets to save and apply build configurations to any project	X	X	X	X
Introduced in 2009! Share option-sets between build configurations and between projects	X	X	X	X
Multi-select files in the Project Manager	X	X	X	X
File Browser – Windows shell integrated into the IDE	X	X	X	X
Build Events for pre-build and post-build on project and file levels	X	X	X	X
Project dependency checking	X	X	X	X
Enhanced in XE! IDE Studio personality indicator – shows which is active when multiple languages are available	X	X	X	X
Project level build ordering	X	X	X	X
Build/Make from here - Make or build current project and all later projects	X	X	X	X
Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OJB, and LIB files, GREP tool, and MAKE tool	X	X	X	

LANGUAGE AND RUNTIME LIBRARY FEATURES	Architect	Enterprise	Professional	Starter
Enhanced in XE! New Regular Expressions (Regex) library	X	X	X	X
Introduced in 2010! Object-oriented file and directory I/O classes	X	X	X	X
Introduced in 2010! RTTI support for exposure of Methods, Fields, and Properties to support dynamic invocations and other meta-programming approaches (reflection)	X	X	X	X
Introduced in 2010! Custom attribute support for most code elements – types, fields, properties, methods, and parameters	X	X	X	X
Introduced in 2010! TStringBuilder for easier and faster string concatenation	X	X	X	X
Enhanced in 2010! Generics with full RTL list and collection support	X	X	X	X
Introduced in 2010! Support for localized resources	X	X	X	X
Introduced in 2009! UnicodeString type as the default string type	X	X	X	X
Introduced in 2009! TObject now contains virtual methods ToString, GetHashCode, and Equals.	X	X	X	X
Introduced in 2009! Anonymous methods	X	X	X	X
Introduced in 2009! Exit procedure takes optional Result parameter	X	X	X	X
Expression evaluation in compiler directives	X	X	X	X
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	X	X	X	X
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	X	X	X	X
Expanded variant support for Int64, unsigned types and Unicode strings	X	X	X	X

PERSONAL DEVELOPER PRODUCTIVITY

Feature	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! A complete set of new examples and demos to help new and existing developers get the most out of the environment	X	X	X	X
New in XE! Object Gallery Descriptions pane that gives better understanding to the wizard or feature	X	X	X	X
New in XE! Designer snapshots – copy form images to the clipboard	X	X	X	
Enhanced in XE! IDE Insight, the fastest way to find and execute commands in the IDE with 1-button click now with object inspector property support	X	X	X	X
Enhanced in XE! Code Formatter and beautification for source code including block formatting	X	X	X	
New in XE! Command-line Code Formatter for integration with automated build processes	X	X	X	
New in XE! Code Formatter profiles allow users to create / save / load custom formatter options sets	X	X	X	
Enhanced in XE! Search for Usages command now available from the code editor and Delphi Class Explorer context menus	X	X	X	
Introduced in 2010! Compilation can be done in a background thread	X	X	X	X
Enhanced in 2010! Checkbox for Boolean types in the Object Inspector greatly enhancing readability	X	X	X	X
Enhanced in 2010! Property Editors for Date properties now use Calendar controls	X	X	X	X
Enhanced in 2010! Added capabilities and configuration to the File | Reopen project dialog	X	X	X	X
Enhanced in 2010! Use Unit interaction capabilities increased	X	X	X	X
Enhanced in XE! New Delphi Class Explorer gives configurable hierarchical view of class libraries throughout project. Also enables fast navigation to declarations and implementations, as well as easy addition of fields and methods.	X	X	X	
New in 2009! Resource Manager greatly simplifies the addition of resources to projects	X	X	X	
Introduced in 2009! Alpha channels in icons	X	X	X	X
Enhanced in XE! Significant all-around IDE performance improvements	X	X	X	X
New in XE! Option to turn-on and off brace highlighting	X	X	X	X
Enhanced in XE! Live Code Templates – dynamic scriptable templates streamlines coding complex and common structures and operations. Create or customize code templates and control the behavior, code generation, and user experience of your templates. Surround Templates that can wrap around selected code or text.	X	X	X	
Enhanced in XE! Editor "Change Bar" indicates modified lines and saved modified lines	X	X	X	X
"Smart" Block completion – anticipates and gracefully adds block closures as you type	X	X	X	X
Virtual form positioner for VCL designers in "docked" mode	X	X	X	X
Enhanced in XE! Main toolbar with the addition of Run without Debug option	X	X	X	X
Enhanced in XE! Project Manager now has the ability to run selected applications with either Run or Run without Debug from the context menu.	X	X	X	X
Enhanced in XE! Hot-key Tool Palette w/ Incremental search – find any component quickly	X	X	X	X
Enhanced in 2010! Gallery in Tool Palette – find gallery wizards when you need them	X	X	X	X
SyncEdit – block-edit multiple instances of a symbol simultaneously	X	X	X	X
History Manager with automatic multi-level file backups, file differencing and restore	X	X	X	X
IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	X	X	X	X
Integrated QualityCentral – submit bug reports and feature requests to Embarcadero	X	X	X	X
Structure Pane that displays hierarchical view of source code and provides a VCL Object Treeview for quick navigation and manipulation of objects in the VCL designer	X	X	X	X
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	X	X	X	X
Ability to individually customize editor options for particular file types	X	X	X	X
Full-featured Open Tools API allows for customization of the IDE through wizards and experts.	X	X	X	X
Symbol Insight – click to navigate to declarations and implementations	X	X	X	
Code Insight – Faster performance and improved code and parameter completion provide on-the-fly member lists and parameter hints as you type	X	X	X	X
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	X	X	X	
Enhanced in 2010! Code Folding configuration and properties	X	X	X	
Editor Gutter – easier to read with less clutter	X	X	X	X
Code Completion for Delphi, HTML, XHTML, XSL, and CSS	X	X	X	
Class completion	X	X	X	
Custom IDE desktop layout profiles with enhanced support for docked windows	X	X	X	X
To-do lists keep your development on track	X	X	X	
Enhanced in XE! Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	X	X	X	X
Help Insight – convenient tooltips provide help snippets as you develop	X	X	X	X
Introduced in 2010! Open Tools API generic version control support for building third party version control plug-ins to the IDE	X	X	X	
Introduced in 2010! Open Tools API access to code editor tabs exposed	X	X	X	
Introduced in 2010! Open Tools API ability to create dockable views exposed	X	X	X	
New in XE! Open Tools API ability to create and control Internal tabbing capability	X	X	X	

SOURCE CODE MANAGEMENT	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! Version Insight – Integrated framework for supporting source code management tooling inside the IDE	X	X	X	
New in XE! Subversion integration into the IDE	X	X	X	
New in XE! Subversion/History integration	X	X	X	
New in XE! A full default Diff viewer	X	X	X	
New in XE! Install Subversion server from the installer	X	X	X	
New in XE! Install Subversion client from the installer	X	X	X	
New in XE! SCM Integration (Subversion) also available as an open source project	X	X	X	

INTERNATIONAL DEVELOPMENT	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
Introduced in 2009! Unicode-enabled development environment	X	X	X	X
Enhanced in XE! Unicode-enabled VCL	X	X	X	X
Introduced in 2009! UnicodeString type	X	X	X	X
Introduced in 2009! Resource DLL Wizard to create Win32 resource DLLs for localization	X	X	X	
Introduced in 2010! English, German, French, and Japanese translations available for IDE menus and dialogs, compiled units, resources, and source code	X	X	X	
Introduced in 2010! Easy switching between languages for the IDE menus, dialogs, and more…	X	X	X	
Introduced in 2009! Integrated Translation Environment (ITE) to view and edit VCL forms and resource strings	X	X	X	
Introduced in 2009! External Translation Manager (ETM) to view and edit language resource files outside the IDE	X	X	X	
Introduced in 2009! Translation Repository provides a database for translations that can be shared across projects	X	X	X	

REFACTORINGS	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
Enhanced in XE! Enhanced refactoring for generics support including rename, change parameter, and extract method	X	X	X	
Rename refactoring	X	X	X	
Refactor driven "Find References"	X	X	X	
Includes the following refactorings: Introduce Variable, Introduce Field, Inline Variable, Change Parameters, Safe Delete, Push Members Up / Down, Pull Members Up, Extract Superclass, Extract Interface, Move Members, Declare variable, Declare field, Extract method, Find unit/import namespace, Extract to resource string	X	X	X	
Refactor driven "Find in Files"	X	X	X	

UML MODELING	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
Enhanced in XE! UML Code Visualization – at any time, get a UML model view of your source code	X	X	X	
Enhanced in XE! Delphi code generation	X	X	X	
New in XE! Object Ancestry; show an object full hierarchy	X	X	X	
New in XE! Automatic Sequence diagrams generation support	X	X		
New in XE! Ability to load an image into the diagram for annotations and advanced documentation	X	X	X	
Enhanced in 2010! Diagrams have an updated look and feel	X	X	X	
Sequence diagrams	X	X		
Collaboration diagrams	X	X		
State charts	X	X		
Deployment diagrams	X	X		
Use case diagrams	X	X		
Activity diagrams	X	X		
Component diagrams	X	X		
Enhanced in XE! Documentation generation	X	X		
New in XE! Run Documentation generation from the command-line	X	X		
80+ Static Code Metrics that allow for deep understanding and analysis of the health of the object domain	X	X		
Introduced for Delphi Professional in 2010! 10+ introductory level static code Metrics for understanding the health of the object diagram			X	
New in XE! Run static Metrics from the command-line	X	X		
200+ Static Code Audits for deep code analysis to better understand the coding style and approach	X	X		
Introduced for Delphi Professional in 2010! 10 introductory level static code audits for better code understanding			X	
New in XE! Run static Audits from the command-line	X	X		
Import model from Rational® Rose (mdl import)	X			
Language neutral UML 1.5 modeling	X			
Language neutral UML 2.0 modeling	X			
Enhanced in 2010! Transformation from language neutral UML 1.5 and UML 2.0 projects to source code projects	X			
Design Patterns support, including GOF patterns	X	X		
Diagram printing	X	X	X	
XMI 1.1 Import/Export	X	X		
Full two-way class diagrams with synchronization between code and diagrams	X	X	X	
OCL 2.0 support	X	X	X	
"UML in Color" profile	X	X	X	
Diagram hyper-linking and annotations	X	X	X	

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
INTEGRATED DEBUGGING				
Full-featured debugger with color syntax highlighting	X	X	X	X
Introduced in 2010! Debugging visualizers to enable extended views of debugging data	X	X	X	X
Introduced in 2010! Build debugger visualizers for your own custom data types	X	X	X	X
Introduced in 2010! Debug visualizer for TString types	X	X	X	X
Introduced in 2010! Debug visualizers for TDateTime, TDate, and TTime	X	X	X	X
New in XE! Detach from "Debug session in progress. Terminate?" dialog	X	X	X	X
Introduced in 2010! Multi-threaded-debugging the ability to selectively "Freeze" and "Thaw" threads	X	X	X	
Introduced in 2010! Multi-threaded-debugging the ability to set a breakpoint for a selected thread	X	X	X	
Introduced in 2009! Support for Wait Chain Traversal in Vista and Windows 2008	X	X	X	
Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	X	X	X	
Enhanced in 2010! New Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	X	X	X	X
Call Stack View shows a glyph indicating if the frame has debug info	X	X	X	
Enhanced in 2010! CPU view panes can be opened individually outside of an editor tab	X	X	X	
Enhanced in 2010! Integration between debugger views and panes making it easier to find and understand information	X	X	X	
Call Stack view now automatically syncs the Locals view when you double click an item	X	X	X	
Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	X	X	X	
Expandable tooltip expression evaluation	X	X	X	
Enhanced in 2010! Expandable watches	X	X	X	X
Expandable local variables view	X	X	X	
Selective symbol table loading	X	X	X	
Close implicitly opened files after debugging	X	X	X	X
Multi-select and copy to clipboard support in CPU view	X	X	X	X
Ctrl-Click in editor gutter to enable/disable breakpoints	X	X	X	X
Sort by load order in Modules view	X	X	X	
Set Next Statement local menu item in editor	X	X	X	
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	X	X	X	X
Modules View sorting	X	X	X	
Thread view displays status on all processes and threads under debugger control	X	X	X	
CPU view for low-level debugging	X	X	X	X
Evaluator	X	X	X	
Multi-Process debugging for easy tracing through complex applications	X	X	X	
Enhanced in XE! Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	X	X	X	X
Enhanced in XE! Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	X	X	X	X
Multi-tab watch view for logically grouping variables	X	X	X	X
Multimode debugging for combined and Win32 projects	X	X	X	X
Debug managed assemblies hosted in native Win32 applications	X	X	X	X
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	X	X	X	X
Attach to and debug any process	X	X	X	X
Detach from any process	X	X	X	X
Run until return	X	X	X	X
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	X	X	X	
Breakpoint Data Aware Triggers	X	X	X	
Debug spawned processes	X	X	X	
Debug Inspector for easily monitoring properties while debugging	X	X	X	
Enhanced in 2010! Event log view	X	X	X	
INTEGRATED UNIT TESTING				
Enhanced in XE! Integrated unit testing with the DUnit testing framework	X	X	X	
Unit test wizards for quick and easy unit test and unit test project creation	X	X	X	
Execute unit tests from project manager	X	X	X	
DOCUMENTATION				
New in XE! Completely revamped Getting Started with Delphi and C++Builder documentation	X	X	X	X
Updated and Continually Enhanced in XE! Completely revamped help system with class structure diagrams and thorough cross-linking	X	X	X	X
Enhanced in XE! Filtering and optimized searches. Integrated help system with MS Help 2	X	X	X	

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY				
DBEXPRESS				
Enhanced in 2010! dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	X	X	X	
Enhanced in 2010! Build delegate drivers to place your code between the application and the actual driver. Provide pre- and post-processing of all public methods and properties of the dbExpress 4 framework. Sample delegate drivers included	X	X	X	
Enhanced in 2010! dbExpress server connectivity to Embarcadero InterBase® XE, 2009, and 2007	X	X		
Enhanced in 2010! dbExpress Server connectivity to Firebird 1.5 and 2.1	X	X		
Enhanced in 2010! dbExpress server connectivity to Oracle® 10g and 11g	X	X		
Enhanced in 2010! dbExpress server connectivity to Microsoft SQL Server® 2000, 2005, and 2008	X	X		
dbExpress server connectivity to Informix® 9x (not Unicode-enabled)	X	X		
dbExpress server connectivity to IBM DB2® 9.x (not Unicode-enabled)	X	X		
Enhanced in XE! dbExpress server connectivity to SQL Anywhere™ 9 (not Unicode-enabled) and SQL Anywhere 11 Unicode-enabled	X	X		
dbExpress server connectivity to Sybase® 12.5 (not Unicode-enabled)	X	X		
Enhanced in 2010! dbExpress server connectivity to MySQL 4.1, 5.0, and 5.1 (5.0 and 5.1 Driver is Unicode enabled)	X	X		
dbExpress local connectivity to InterBase® and MySQL	X	X	X	
Enhanced in 2010! Data/Time related functions are now locale dependent	X	X	X	
TClientDataset for managing and manipulating datasets in-memory	X	X	X	
dbGO™ for ADO connectivity for Win32 (MDAC 2.8)	X	X	X	
InterBase Express Components	X	X	X	X
DATASNAP				
Enhanced in XE! Create multi-tier database applications with DataSnap. Create middle tier application servers and connect to them from thin clients. Place business rules and write stored procedure code in Delphi on the middle tier.	X	X		
Enhanced in 2010! New ServerMethods give complete control over functionality of middle tier. Call procedures from server as if the code were right on the client. Continue to use familiar IAppServer interface while expanding power of application servers. No COM dependencies in new DataSnap framework and now with TJSonValue pairs making it easier to pass data	X	X		
Enhanced in 2010! Improved Session events for increased simplicity of a multi-tier implementation	X	X		
Enhanced in XE! New DataSnap wizards from the Object Gallery to make server creation even easier	X	X		
Enhanced in XE! Added support for REST(ful) interface and exposure from the Server	X	X		
New in XE! Added support for REST client proxy generation	X	X		
Enhanced in XE! Added support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	X	X		
Enhanced in XE! Added HTTP tunneling support for client code outside the firewall	X	X		
Enhanced in XE! Added Filter support for encryption and compression over-the-wire	X	X		
New in XE! Included new encryption PC1 and compression filters now included for quick enablement.	X	X		
New in XE! Heavyweight callbacks for enhanced client/server communications and notifications	X	X		
Enhanced in XE! Added support for publishing DataSnap server through the WebBroker approach	X	X		
Introduced in 2010! Added lightweight Callbacks	X	X		
Royalty Free! MIDAS/DataSnap multi-tier deployment license	X	X		
Introduced in 2010! MIDAS.DLL source code included	X	X		
Updated in 2009! InterBase Express components	X	X	X	X
DATABASE TOOLS				
Enhanced for XE! Data Explorer optimized to add and manage database connections and browse database schema	X	X	X	
Drag and Drop from the dbExpress node in the Data Explorer into VCL Forms to speed development	X	X	X	
SQL console views for running queries and viewing results on any dbExpress 4 supported database	X	X	X	
Navigate to code-based stored procedures from Data Explorer	X	X	X	
Visual query builder	X	X	X	
INCLUDED DATABASES				
Updated in XE! InterBase 2009 Developer Edition – up to 20 users and 80 logical local connections. InterBase XE developer edition available for download.	X	X	X	X
BDE for dBASE and Paradox	X	X	X	X
CLOUD SUPPORT				
New in XE! Ability to connect to Windows Azure	X	X	X	
New in XE! Ability to manipulate Windows Azure blobs, queues, and tables	X	X	X	
New in XE! Easy deployment to Amazon EC2 infrastructure	X	X		
PROFILING				
New in XE! AQtime 7 Standard for RAD Studio integrated plugin	X	X	X	
New in XE! Support for Delphi 32 bit applications	X	X	X	
New in XE! Performance and function timing profiling	X	X	X	
New in XE! Parent / child contribution analysis	X	X	X	
New in XE! Analysis of memory and resource allocation and leaks	X	X	X	
New in XE! Code coverage	X	X	X	

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New in XE! Exception tracing	X	X	X	
New in XE! Selective profiling using profiling areas	X	X	X	

AQtime 7 Pro with support for Microsoft Visual Studio .NET, Java, Visual Basic, 64 bit code, line-level profiling, compare and merge options, per-thread reporting, usage of AQtime API and SDK, and many more advanced features is available directly from SmartBear Software.
Info can be found at: http://www.automatedqa.com/products/aqtime

FILE COMPARE

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! Beyond Compare Text Compare integration	X	X	X	
New in XE! Compare and edit the contents of files with syntax highlighting	X	X	X	
New in XE! Ignore changes in whitespace and comments	X	X	X	
New in XE! Print reports of differences or save them as HTML or plain	X	X	X	
New in XE! Filter display to only show differences, optionally with a few lines of context	X	X	X	
New in XE! Built-in support for Delphi, C++, HTML, DFMs, and more	X	X	X	
New in XE! Adds a "Compare" menu to the IDE's "Edit" menu and Project Manager, with commands to compare against previous revisions, other editor tabs, and original files	X	X	X	
New in XE! Automatically configured for both differences and merges from the History view	X	X	X	

Beyond Compare! Full version, which includes Folder Compare Features, Text Comparison Features, FTP support is available at http://www.scootersoftware.com/moreinfo.php?zz=newfeatures

BUILD AUTOMATION

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! FinalBuilder Integration	X	X		
New in XE! Create your Build process visually, no need to edit xml files or create batch scripts!	X	X		
New in XE! Integrated Debugging, step through and debug your Build process.	X	X		
New in XE! Detailed Logging makes it easy to see exactly what happened during the Build.	X	X		
New in XE! Flow Control and Variables make your Build process dynamic.	X	X		
New in XE! Deploy Builds using File copy or FTP	X	X		

The full version of FinalBuilder includes 600+ Actions, with support for Delphi 3 to XE, C++Builder 4 to XE, support for other compilers, SFTP, SSH, IIS, CD/DVD burning and ISO file creation, Scripting with VBScript, JavaScript, PowerShell and IronPython, IDE SCCAPI support, Create custom Actions with Action Studio, Schedule Builds with Windows Scheduler, Continuous Integration with FinalBuilder Server, Cruise Control integration, TFS Integration and much more. More information can be found at: http://www.finalbuilder.com

LOGGING

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! Raize Software CodeSite Express Integration provides advanced application logging and debugging capabilities	X	X	X	
New in XE! Log all kinds of information without data conversions including strings, numbers, dates & times and even objects, string lists, exceptions, and much more	X	X	X	
New in XE! Log information from application code (including recursive functions and multiple threads) without interrupting program execution or causing side effects	X	X	X	
New in XE! Emphasize important logging information through a variety of message types	X	X	X	
New in XE! Send logging messages to a CodeSite Log File for later review or to the CodeSite Live Viewer for real-time analysis, or to both simultaneously	X	X	X	
New in XE! Utilize the extensive analysis tools in the CodeSite Viewers to analyze message logs and locate problem areas faster	X	X	X	
New in XE! Filter message logs by application name, process id, thread name, computer name, category, and message text	X	X	X	
New in XE! Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	X	X	X	
New in XE! Control the amount of logging information generated by using additional CodeSite loggers with their own Category instead of relying on arbitrary logging levels	X	X	X	
New in XE! Record method calls to add call stack structure to the message log	X	X	X	

Raize CodeSite complete package is available from Raize Software at http://www.raize.com

COMMUNICATIONS COMPONENTS

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
New in XE! The full version of /n software's IP*Works components - A comprehensive suite of components for Internet communications including more than 40 individual components covering every major Internet Protocol.	X	X	X	
New in XE! Royalty free commercial components for Internet development including ATOM, CalDAV, FileMailer, FTP, HTMLMailer, HTTP, ICMPPort, IMAP, IPDaemon, IPInfo, IPMonitor, IPPOrt, JSON, LDAP, Mcast, MIME, MX, NetClock, NetCode, NetDial, NNTP, Ping, POP, RCP, REST, Rexec, Rshell, RSS, SMPP, SNPP, SOAP, Syslog, Telnet, TFTP, TraceRoute, UDPPort, WebDav, WebForm, WebUpload, Whois, XMLp, and XMPP	X	X	X	
Components are easy to use, with a uniform, intuitive, and extensible design	X	X	X	
Components share common interfaces across platforms and technologies	X	X	X	
Components are fast, robust, and reliable with minimal resource consumption	X	X	X	
Components are lightweight and have no dependencies on external libraries	X	X	X	
Detailed reference documentation, hundreds of sample applications, fully-indexed helps files, and an extensive online knowledge base	X	X	X	

Additional /n software IP*Works component packages supporting SSL and SSH security, S/MIME and OpenPGP encryption, Secure Network Management, Compression, and more can be obtained at http://www.nsoftware.com/

CHARTING COMPONENTS

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
Enhanced in XE! TeeChart integration	X	X	X	

TeeChart Pro complete package can be purchased from Steema http://www.steema.com/

	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
REPORTING SOLUTIONS				
Enhanced in XE! Nevrona Rave Reports® 9 Bundled Edition	X	X	X	
The full Rave 9.0 product can be purchased from Nevrona Designs at http://www.nevrona.com/	X	X	X	
ADDITIONAL COMPONENTS AND TOOLS				
Enhanced in XE! glyFX Icon Library – Embarcadero Edition	X	X	X	
InstallAware Express CodeGear Edition	X	X	X	
XML/SOAP WEB SERVICES DEVELOPMENT				
Enhanced in XE! Support for SOAP 1.2 clients	X	X	X	
BizSnap™ XML Transformation Tools and Components to easily build data exchanges between XML and datasets	X	X		
BizSnap native Delphi XML bindings to simplify XML programming – access XML documents as Delphi objects	X	X		
Easily create Win32 and XML/SOAP Web Services	X	X	X	
BIZSNAP WEBSERVICES™				
WSDL External Schema support	X	X	X	
SOAP runtime support for optional and unbounded elements	X	X	X	
SOAP features updated to support Amazon, eBay, MapPoint, and more	X	X	X	
Build server-side XML Web Services	X	X	X	
Build client-side XML Web Services	X	X	X	
WEB APPLICATION DEVELOPMENT				
VCL FOR THE WEB (INTRAWEB)				
New in XE! VCL for the Web (IntraWeb XI) – Complete RAD Web Application framework, Personal Edition.			X	
New in XE! VCL for the Web (IntraWeb XI) – Complete RAD Web Application framework, Standard Edition.	X	X		
New in XE! Integrated Page Mode	X	X	X	
New in XE! RSS Feeds	X	X	X	
New in XE! Static content	X	X	X	
New in XE! URL Mapping	X	X	X	
Enhanced in XE! Standalone deployment	X	X	X	
Enhanced in XE! Windows Service Deployment	X	X		
Concurrent session limit			X	
Unlimited concurrent session limit	X	X		
Application Mode	X	X	X	
Enhanced in XE! Code based Authentication	X	X	X	
Session time out limit of 20 minutes	X	X	X	
The Ultimate Edition is available from Atozed, which adds increased security features, source code and remove limitations. http://www.atozed.com				
INTERNET EXPRESS (INDY)				
Enhanced for XE! Internet Express (INDY) components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	X	X	X	X
WEBSNAP™ / WEB BROKER				
New in XE! Web Broker support for Indy standalone applications	X	X		
WebSnap™ component-based framework for developing Web Server applications (deprecated)	X	X		
Server-side scriptable Web page components to easily interface WebSnapobjects with Web site developer teams and scripters	X	X		
Server-side scripting in WebSnap with JavaScript™ and VBScript	X	X		
COM/DCOM SUPPORT				
Introduced in 2009! Fully re-architected COM/ActiveX support now enables transparent access to IDL and code. Support now is source control friendly and allows total control over implementation of COM and ActiveX objects.	X	X	X	X
Introduced in 2009! Wizards support wrapping existing VCL components as ActiveX controls	X	X	X	X
Import .NET assemblies as COM objects in Win32 VCL applications	X	X	X	X
DCOM support	X	X	X	
Legacy support for DataSnap/MIDAS COM/DCOM based multi-tier database application framework	X	X		
Advanced Type Library Editor now manages IDL, making COM development completely transparent.	X	X	X	
History Manager supports IDL, with automatic multi-level file backups, file differencing and restore	X	X	X	
Support for Automation Object event handling	X	X	X	
COM Object Wizard	X	X	X	
Microsoft ActiveX® Control Data binding	X	X	X	
Import COM servers as components to develop visually	X	X	X	
VISUAL COMPONENT LIBRARY (VCL)				
VCL Form Designer to visually build native Windows applications	X	X	X	X
Introduced in 2010! Integrated gesturing framework with multi-OS support for Windows 7	X	X	X	X
Introduced in 2010! Gesture Designer enables full control of all gesture design and interaction	X	X	X	X
Introduced in 2010! Gesture components (TGestureListView, TGesturePreview, TGestureRecorder) to build gesture creation and management into VCL based applications	X	X	X	X
Introduced in 2010! Interactive multi-touch gestures for panning, zooming, and rotating (requires multi-touch enabled OS)	X	X	X	X

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Introduced in 2010! TTouchKeyboard a virtual keyboard for enhanced non-keyboard interface interactions that support multiple locales and languages	X	X	X	X
Introduced in 2010! Ability to easily change languages and all TWinControls respond to the change	X	X	X	X
Introduced in 2009! Ribbon Controls components for creating Microsoft Office style ribbon interfaces including ribbon, ribbon application menu bar, combobox, toolbar and tips	X	X	X	X
Introduced in 2009! New VCL Components: TCategoryPanelGroup, TButtonedEdit, TLinkLabel, TBalloonHint	X	X	X	X
Enhanced in 2010! Enhancements to existing controls: TButton, TEdit, TProgressBar, TListView, TTreeView, TRichEdit, TImageList	X	X	X	X
Enhanced in 2010! Theming support for TGrid descendants	X	X	X	X
Introduced in 2009! Full support for PNG image format in TImage and TImageList	X	X	X	X
Enhanced in 2010! Icons can be assigned to Bitmaps	X	X	X	X
Introduced in 2010! Support for Windows Imaging Component (WIC) including JPEG, TIFF, GIF, PNG, BMP, and HD Photo image formats. RAW camera formats (such as NRW, NEF, CRW, CR2, RW2, ARW, SR2, SRF, ORF, PEF, and DNG) also supported with manufacturer supplied codecs.	X	X	X	X
Introduced in 2009! TImageList now supports all graphics formats contained in TImage	X	X	X	X
Introduced in 2009! Import Component wizard to import a type library, ActiveX control or .NET Assembly	X	X	X	
Introduced in 2009! New Component wizard to create the unit for a new component	X	X	X	
Object-oriented, fully extensible and reusable component and application architecture	X	X	X	X
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	X	X	X	X
Frames for building and reusing compound components	X	X	X	X
Object Repository for storing and reusing forms, Data Modules, and experts	X	X	X	
Object Inspector to set component properties and events	X	X	X	
Windows Vista look and feel including Windows Aero glassing effects	X	X	X	X
Support for Windows theming of applications	X	X	X	X
Standard components including frame, edit, menu, button, label, checkbox, list box, combo box, panel and action list	X	X	X	X
Additional components including graphical buttons, image, shape, scroll box, splitter, buttoned edit, tabs, panels, action toolbar, and color map	X	X	X	X
Win32 components including page control, image list, rich edit, progress bar, date time, calendar, toolbar, tree view and list view	X	X	X	X
System components including timer, paint box, media player, OLE container and DDE	X	X	X	X
Win 3.1 controls including tabbed notebook, file list box, directory list box, drive combo box, filter combo box and db lookup	X	X	X	X
Dialog components including open, save, open/save picture, open/save text, font, color, print, printer setup, find, replace and page setup	X	X	X	X
Data Access Control – datasource	X	X	X	X
Data Access Controls including client dataset, dataset provider and XML transform	X	X	X	
Data Controls including dbgrid, navigator, text, edit, memo, image, listbox, combo box, checkbox, radiogroup, lookup and rich edit	X	X	X	X
dbExpress components including SQL connection, SQL dataset, SQL query, SQL Stored Proc, SQL table, SQL server method, SQL monitor and simple dataset	X	X	X	
Internet components including web browser, dispatcher, page producer, dataset, query, page, table, TCP client and server and XML document	X	X	X	
Vista Dialog components including file open, file save and task	X	X	X	
DataSnap Client components including provider connection, DCOM connection, socket connection, shared connection, local connection, web connection, object broker and connection broker	X	X		
Enhanced for XE! DataSnap Server components including TDSTCPServerTransport, TDSProxyGenerator, TDSServerMetaDataProvider, TDSConnectionMetaDataProvider, TDSRestConnection, TDSRestMetaDataProvider, TDSHTTPWebDispatcher, TDSServer, TDSServerClass, TDSHTTPService, TDSAuthenticationManager, TDSClientCallbackChannelManager, and TDSHTTPServiceFileDispatcher	X	X		
New for XE! Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagment, and AzureTableManagment	X	X	X	
Sample components including gauge, color grid, spin button, spin edit, directory outline and calendar	X	X	X	X
Indy components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	X	X	X	X
WebSnap components including adapters, values lists, dispatchers, file service, sessions service, web user list and page producers	X	X	X	
Web Services components including HTTP, SOAP, and WSDL	X	X	X	
dbGo components including ADO connection, command, dataset, table, query and stored procedure	X	X	X	
Enhanced for XE! VCL for the Web components including Silverlight, Standard, Control, Standard 3.2, WAP, Data, Client Side, Data 3.2, Data WAP	X	X	X	
Enhanced for XE! TeeChart Standard components including chart, DBchart, dataset, buttons, draw, combo and image	X	X	X	
Enhanced for XE! InterBase Express (IBX) components	X	X	X	X

DATABASE MODELING AND DESIGN	ARCHITECT	ENTERPRISE	PROFESSIONAL	STARTER
Updated in XE! Embarcadero® ER/Studio® 8.5 Developer Edition, a database modeling and design tool for better understanding database structures	X			
Highly productive model-driven database design environment - advanced graphics, multilevel design capabilities, automated and custom transformation, denormalization mapping, extensible automation and undo/redo	X			
Database lifecycle support – forward engineering, reverse engineering to construct a model from an existing database or schema, and database modification	X			
Enterprise model management – advanced compare and merge, submodel management, "where used" analysis and XML schema generation	X			
Data warehouse and integration support – data lineage and dimensional modeling	X			
Quality database design – model completion validation, automatic migration of foreign keys and capacity planning	X			
Security design and assessment – including data classification and permission management	X			
Enhanced in 2010! Database modeling and design for Oracle, Microsoft SQL Server, DB2 LUW, InterBase, MySQL, Informix, Sybase ASA, Sybase ASE, ODBC, and ANSI SQL	X			
Introduced in 2010! Visual Data Lineage – Visually analyze and document how data flows through your organization without needing to inspect code	X			
Introduced in 2010! Attribute-level submodeling – Choose which attributes/columns to include in the entities/tables in the submodel and also describe submodels on the new Definition tab, then create queries to search on the definitions	X			
Introduced in 2010! Object-level Compare Flags – Indicate international discrepancies when comparing models that the Compare Wizard should ignore.	X			
Introduced in 2010! Produce reports in HTML format	X			
ER/Studio Developer Edition trial		X	X	
LICENSING AND TOOL MANAGEABILITY				
No fees or limitations on deployment of applications built with Delphi or C++Builder	X	X	X	
Starter edition can be used to develop and distribute software up to $1,000 US in total revenue. If your total revenue related to apps built with Delphi or C++Builder is greater than $1,000 US, you must purchase a Pro, Ent, or Arch edition License				X
Licensing suitable for larger teams with no restriction on number of licenses you can purchase or use	X	X	X	
Starter edition limited to 5 simultaneous users within a network				X
Enhanced in XE! ToolCloud licenses available with ToolBox management interface (available in network ToolCloud licenses; not included in standalone named user licenses)	X	X	X	
Enhanced in XE! Earlier version licenses included in Network ToolCloud licenses (Delphi 2007 – 2010, Delphi 7). Not included with Academic licenses.	X	X	X	
New in XE! Access to licenses and downloads for earlier versions with purchase of standalone product licenses (Delphi 2007 – 2010, Delphi 7). Not included with Academic licenses.	X	X	X	
Enhanced in XE! Upgradeable to Embarcadero All-Access XE	X	X	X	

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