

Feature Matrix

Feature
INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)
New in XE3! Multiple new project and file types have been added
New in XE3! Client Web Application and Client Page. Develop web applications with client-side technologies that you can run without a webserver
New in XE3! Client Mobile Application and Client Mobile Page. Develop mobile applications with client-side technologies that you can run without a webserver
New in XE3!
New in XE3! Workflow optimized, context-sensitive, user interface focused on improving user productivity
New in XE3! Client deployment wizard for deploying client web applications
Enhanced in XE3! Project Manager to display and organize the contents of your current project with support for content preview and search
Introduced in XE! Project Manager view menu for directory (nested), directory (flat) and list view of files in a project
Enhanced in XE3! Project Options to allow you to select which parameters to send to the running script and other extra options via the Run/Debug drop-down menus
Enhanced in XE! File manipulation and creation through the Project Manager facilities
Introduced in XE! Multi-select files in the Project Manager
Enhanced in XE3! IDE Insight always accessible via integrated top level search bar
Introduced in XE! Checkbox for Boolean types in the Object Inspector greatly enhancing readability
Enhanced in XE3! Web-oriented color property editor to use standard browser colors or custom ones with support for RGBA for specifying transparency
Introduced in XE! Improved search features in the editor and with Find tab integration
Introduced in XE! Added capabilities and configuration to the File Reopen menu
Enhanced in XE! Use Unit interaction capabilities increased
Introduced in XE! Multi-instance loading so you can have several IDEs open at the same time
Introduced in XE! Super fast loading, so you can use it as code editor
Enhanced in XE! Significant all-around IDE performance improvements
Introduced in XE! History Manager with automatic multi-level file backups, file differencing and restore
Enhanced in XE! IDE Welcome Page with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more
Enhanced in XE! Ability to individually customize editor options for particular file types
Enhanced in XE! Symbol Insight click to navigate to declarations

Feature
MOBILE DEVELOPMENT
Enhanced in XE3! Easily build web optimized mobile applications and App Store ready apps for iOS, Android, BlackBerry, Windows Phone, Symbian and WebOS
Large library of built-in drag and drop components for mobile application development
Introduced in XE2! jQuery mobile components: MButton, MPanel, CheckBoxGroup, MRadioGroup, MobileTheme, MEdit, MTextArea, MSlider, MLink, MCollapsible, MToolBar, MToggle, MRadioButton, MCheckBox, MComboBox, MCollapsibleSet, MList, MAccelerometer, MCamera, MCompass, MGeolocation, MNetwork, MContacts, PageEvents, MPageExtraEvents, MDB, MDBTransaction, MFileReader, MFileWriter, MFileEntry, MDirectoryEntry, MDirectoryReader, MFileSystem, MFileTransfer, MCapture, MNotification, MConnection, MDevice
New in XE3! Additional jQuery Mobile components for use in your mobile applications, including MCanvas, MImage, MLabel, MMap, MMedia, MShape
New in XE3! Build your mobile applications in the cloud using the integrated PhoneGap Build service
Introduced in XE2! Visual mobile design surface to see how the interface will look on the device
HTML5 Builder COMPONENT LIBRARY (RPCL)
New in XE3! jQuery Mobile focus when the page is loaded
New in XE3! CSS3, the third version of the standard stylesheet language, is supported in HTML5 Builder, so you can now get access to advanced style properties on every control
New in XE3! Get rounded corners with BorderRadius. This new property groups all border-related properties
New in XE3! BoxShadow and TextShadow provide you with shadowing effects for containers and content
New in XE3! Use gradients to generate the color combinations you need without relying on image files
New in XE3! Select an InputType for your Edit and MEdit components, for easy client-side validation
New in XE3! Use the Canvas component to easily draw 2D and 3D interactive images
New in XE3! Get and use location data in your web and mobile apps with the Geolocation component
New in XE3! Play audio and video content using the HTML5 Media component
New in XE3! Existing controls were updated to leverage HTML5: Bevel, ColorPicker, DateTimePicker, ProgressBar, Shape, TrackBar, SpinEdit
New in XE3! Additional properties have been added to existing controls for enhanced functionality
New in XE3! jQuery Mobile draggable property to enable drag and drop implementations
New in XE3! CSS3 Animations through custom property editors
New in XE3! Quickly transform and animation components
New in XE3! jQuery Mobile using their Animations property
New in XE3! Create a DataList component and link it to a text-input component so the data is provided as an input suggestion
New in XE3! SVG Image Support. The Image component supports now vector graphics in SVG, that you can animate and modify in real time using JavaScript
New in XE3! Enhanced Color support. Color-based properties now support RGBA values. The fourth color channel, alpha, lets you define a level of transparency for your colors
New in XE3! HiddenFields is now a property of web and mobile pages, providing an easier and cleaner new approach
New in XE3! RPCL components generate validated HTML5 code
Enhanced in XE3! Components have been updated to provide separation of HTML, CSS, and JavaScript
Enhanced in XE3! Data Access components including Database, Datasource, Table, Query and StoredProc with support for databases through PDO
Enhanced in XE! Advanced components including ImageList, TrackBar, ProgressBar, SpinEdit, DateTimePicker, ColorPicker
Enhanced in XE! System components including Timer, BasicAuthentication and StyleSheet
Enhanced in XE! Data Controls components including DBRepeater
Enhanced in XE2! Zend Framework components ZACL, ZAuth, ZAuthDB, ZAuthDigest, ZCache, ZMail, ZMailTransportSMTP, ZMailTransportSMTP, ZmailTransportSendmail, ZCaptcha, ZBarcode, ZCurrency, ZDate, ZFile, ZFeedReader, ZFeedWriter, ZPubSubHubBubPublisher, ZGDataAuth, ZGDataCalendar, ZGDataDocs, ZGDataYoutube, ZGDataYoutube, ZGDataHealth, ZGDataSpreadsheets, ZGDataPhotos, ZGDataBooks, ZGDataApps, ZOAuth, ZRegistry, ZJson, ZHttp, ZJsonServer, ZRestServer, ZRestClient, ZOpenIdConsumer, ZOpenIdConsumerStorageDB, ZOpenConsumerStorageFile, ZOpenIdProvider, ZOpenIdProviderStorageDB, ZOpenIdProviderStorageFile, ZOpenIdProviderUserSession, ZMarkup and Zlog
Introduced in XE! Facebook Social Plugins components to allow visual development of social-aspects of Facebook applications including LikeButton, LikeBox, ActivityFeed, and LiveStream
Introduced in XE! Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection
Introduced in XE! Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection
Extend the RPCL (RadPHP Component Library) at any time with third-party libraries, new additions from the RPCL open source project on SourceForge or your own components
More information on building your own components

Feature
CODE EDITOR
Enhanced in XE3! Customizable source code editor for editing PHP, HTML, JavaScript, CSS, SQL and XML
User configurable Color Syntax Highlighting
New in XE3! Code Insight support for HTML, JavaScript and jQuery, in addition to PHP
Enhanced in XE! Help Insight convenient tooltips provide help snippets as you develop
Enhanced in XE! ErrorInsight provides syntax checking as you type so you can easily fix syntax errors on the fly
Code Folding to collapse code blocks for easier viewing and navigation of your PHP code
Sync Edit to modify common identifiers in different locations in your code at the same time
Tracking band visually indicates which lines you have modified/added and which ones were modified on the last save operation
Macro recording and playback to record a specific set of actions in the code editor and repeat them later
Bookmarks allow you to set a mark on a specific location of your source code and return back later
Code Editor customization options include overwrite mode, group undo, scroll to past line, double click line, undo after save, persistent blocks and overwrite blocks, selecting keymappings and setting undo limit
Configurable Source Options include auto indent mode, use tab character, smart tab cursor through tab, optimal fill, backspace unindents, keep trailing blanks, show tab character, show space character, use syntax highlight, show line breaks, highlight current line, selectable syntax highlighting, block indent level and tab stops
Editor display options include visible right margin, visible gutter, show line numbers number all lines, setting right margin, gutter width, editor font, font size
Keymappings include default, BRIEF, IDE classic, Visual Basic emulation, Visual Studio emulation
Enhanced in XE! CodeInsight options turn on and off code completion, code parameters, error insight, code completion auto parenthesis, code template completion and code browser and enable speed adjustments
Enhanced in XE! Code Templates include 15 pre-built timesaving templates that can easily be inserted into your code
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Conversions menu item enables you to select a block of text and convert to all upper-case or all lower-case
Dialogs to add published properties, public properties or publish public properties
Go to Line Number jumps to a line number in the code editor
Options Dialog, faster and with more options
Syntax Check performs a lint syntax check on the active file, showing results of the syntax checking operation in the messages window
REFACTORING
Introduced in XE! Includes the following refactorings: Extract Interface, Extract Superclass, Pull Members Up, Push Members Down, Rename, Declare Field, Extract Method, Change Parameters
INTEGRATED PHP DEBUGGING AND PROFILING
New in XE3! Debug your client web application JavaScript code with integrated web developer tools
Introduced in XE! XDebug integration, faster and more powerful, helps find and fix errors
Enhanced in XE! Integrated PHP Profiler to measure runtime performance and help identify bottlenecks down to the line of code
Breakpoint List1ef*.4998 32.4998 3.32 ref* EMC q40.924 Tf1 0 0 1 44.52 2615 Tm0 gm0 g[]JTJC 40.44 29.49 00.92 409 546 13.2 reW* nBT/9 546 13.2

Feature
Drag and drop from the data explorer to build data-driven applications with no coding
RPCL (RadPHP Component Library) data access components
RPCL data controls components
DOCUMENTATION
New in XE3! QuickStart Guide to allow you to quickly create your first application with HTML5 Builder
Enhanced in XE3! New sample projects for HTML5, mobile templates and more
Enhanced in XE3! Documentation expanded to include more tutorials and feature information
Enhanced in XE! Help Browser
Context sensitive online help for the development environment available via F1 in the IDE
Documentation wiki accessible via the online help for the latest doc updates
RPCL class library documentation and code examples
Sample programs with documentation
PHP Reference Guide
Install PHP Reference Guide in your choice of English, German, Japanese, French
THIRD PARTY
New in XE3! TeeChart Lite for HTML5 Builder plots charts to all compatible browsers in native Javascript format using the HTML5 Canvas element. Charts can be added at design-time to Web Server, Web Client and Web Mobile pages, and programmed in both PHP and Javascript languages.

* Features introduced prior to XE3 were part of Embarcadero's previous web development product, RadPHP

Download a Free Trial at www.embarcadero.com

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