Microsoft® Visual Basic® Default Keybindings

Microsoft® Visual Studio® 2008

Introduction

This document contains the keyboard shortcuts that are set by default when you use the Visual Basic Development Settings. To set the Visual Basic Development Settings, on the **Tools** menu, click **Options**. In the Options dialog box, select **Show all settings**, and then, under **Environment**, click **Keyboard**. Click the Visual Basic 6 keyboard mapping scheme in the drop-down list and then click **OK**.

You can customize individual command shortcuts yourself. To do so, on the **Tools** menu, click **Options**. In the Options dialog box, select **Show all settings**, and then, under **Environment**, click **Keyboard**. To edit a shortcut, locate the command name in the dialog box and then assign it a shortcut key. In this document, names for the commands described are provided in parentheses.

For a complete list of commands, along with their keyboard shortcuts and detailed descriptions, see **http://go.microsoft.com/fwlink/?LinkId=74687**.

Editing

Toggle All Outlining	CTRL + M, CTRL + L	Toggles all existing regions between collapsed and expanded states. *(Edit.ToggleAllOutlining)*
Toggle Outlining for Current Region	CTRL + M, CTRL + M	Toggles the current region between collapsed and expanded states. *(Edit.ToggleOutliningExpansion)*
Comment and Uncomment	CTRL + K, CTRL + C and CTRL + K, CTRL + U	Inserts and removes, respectively, the apostrophe (') at the beginning of the current line or every selected line. *(Edit.CommentSelection and Edit.UncommentSelection)*
Undo	CTRL + Z	Undoes the last action. *(Edit.Undo)*
Redo	CTRL + SHIFT + Z	Redoes the last action. *(Edit.Redo)*
Cut Line	CTRL + Y	Cuts the current line of code. *(Edit.LineCut)*
Insert Blank Line	CTRL + ENTER and CTRL + SHIFT + ENTER	Inserts a blank line above and below the cursor position, respectively. *(Edit.LineOpenAbove and Edit.LineOpenBelow)*
Select Word	CTRL + SHIFT + W	Selects the word containing, or to the right of, the insertion point. *(Edit.SelectCurrentWord)*
Delete Word	CTRL + BACKSPACE and CTRL + DELETE	Deletes to the beginning and end of the word, respectively. *(Edit.WordDeleteToStart and Edit.WordDeleteToEnd)*
Change Casing	CTRL + U and CTRL + SHIFT + U	Changes the selected text to lowercase and uppercase characters, respectively. *(Edit.MakeLowercase and Edit.MakeUppercase)*
Replace	CTRL + H and CTRL + SHIFT + H	Displays the **Quick Replace** tab and the **Replace In Files** tab, respectively, of the **Find and Replace** dialog box. *(Edit.Replace and Edit.ReplaceInFiles)*
Extend Selection	SHIFT + ALT + UP ARROW and SHIFT + ALT + DOWN ARROW	Moves the cursor one line up or down respectively, extending the line selection. *(Edit.LineUpExtendColumn and Edit.LineDownExtendColumn)*
Format Code	CTRL + K, CTRL + D and CTRL + K, CTRL + F	Formats the current document or selection, respectively. *(Edit.FormatDocument and Edit.FormatSelection)*
Display Smart Tag	CTRL + DOT (.) or SHIFT + ALT + F10	Displays the available options on the Smart Tag menu. *(View.ShowSmartTag)*
Help	F1	Displays a topic from Help that corresponds to the current user interface element or to the code item or error messages selected. *(Help.F1Help)*

Build

Build Solution	CTRL + SHIFT + B	Builds all the projects in the solution. *(Build.BuildSolution)*

Windows

Navigation Bar	CTRL + F2	Moves the cursor to the drop-down bar located at the top of the Code Editor. *(Window.MoveToNavigationBar)*
Object Browser	F2	Displays the **Object Browser**. *(View.ObjectBrowser)*
Properties Window	F4	Displays the **Properties** window for the currently selected item. *(View.PropertiesWindow)*
Solution Explorer	CTRL + R	Displays **Solution Explorer**. *(View.SolutionExplorer)*
View Server Explorer	CTRL + ALT + S	Displays **Server Explorer**. *(View.ServerExplorer)*
Show Data Sources	SHIFT + ALT + D	Displays the **Data Sources** window. *(Data.ShowDataSources)*
Toolbox	CTRL + ALT + X	Displays the **Toolbox**. *(View.Toolbox)*
Error List	CTRL + \, E	Displays the **Error List**. *(View.ErrorList)*
Close Tool Window	SHIFT + ESC	Closes the current tool window. *(Window.CloseToolWindow)*
Close Document Window	CTRL + F4	Closes the current tab. *(Window.CloseDocumentWindow)*

Debugging

Start Debugging	F5	Starts the application in the debugger. When in Break mode, invoking this command runs the application until the next breakpoint. *(Debug.Start)*
Start Without Debugging	CTRL + F5	Starts the application without invoking the debugger. Use this exclusively rather than F5 for Web site debugging. *(Debug.StartWithoutDebugging)*
Step Into	F8 or F11	Executes code one statement at a time, following execution into method calls. *(Debug.StepInto)*
Step Out	CTRL + SHIFT + F8 or SHIFT + F11	Executes the remaining lines of the method in which the current execution point is located. *(Debug.StepOut)*
Step Over	SHIFT + F8 or F10	Executes the next line of code, but does not follow execution into any method calls. *(Debug.StepOver)*
Stop Debugging	CTRL + ALT + BREAK	Stops running the current application in the debugger. *(Debug.StopDebugging)*
Toggle Breakpoint	F9	Sets or removes a breakpoint at the current line. *(Debug.ToggleBreakpoint)*
Set Next Statement	CTRL + F9	Sets the execution point to the line of code you choose. *(Debug.SetNextStatement)*
Break at a Function	CTRL + B	Displays the **New Breakpoint** window. *(Debug.BreakatFunction)*
Attach to Process	CTRL + ALT + P	Displays the **Attach to Process** dialog box. *(Tools.AttachToProcess)*
Make Data Tip Transparent	CTRL	Hides the current data tip so that you can see the code beneath. Must be invoked while a data tip is active.
Immediate Window	CTRL + G	Displays the **Immediate** window. *(Debug.Immediate)*
Call Stack Window	CTRL + L	Displays the **Call Stack** window. *(Debug.CallStack)*
QuickWatch Window	SHIFT + F9	Displays the **QuickWatch** dialog box. *(Debug.QuickWatch)*

Refactoring

Refactor! for Visual Basic 2005 is a free plug-in from Developer Express Inc., in partnership with Microsoft. Refactor! supports more than 15 individual refactoring features including Extract Method, Encapsulate Field, Reorder Parameters, Create Overload, and Surrounds With. See **http://go.microsoft.com/fwlink/?LinkId=74990** for more information.

Refactor!	CTRL + TILDE (~)	Invokes available Developer Express Inc. refactorings.

Navigation

Go to Definition	F12 or SHIFT + F2	Moves to the declaration for the selected symbol. *(Edit.GoToDefinition)*
Navigate Backward	CTRL + SHIFT + F2 or CTRL + MINUS SIGN (-)	Moves to the previously browsed line of code. *(View.NavigateBackward)*
Navigate Forward	CTRL + SHIFT + MINUS SIGN (-)	Moves to the next browsed line of code. *(View.NavigateForward)*
Previous Method or Type	CTRL + UP ARROW or CTRL + PAGE UP	Moves to the previous method or type in the document. *(Edit.PreviousMethod)*
Next Method or Type	CTRL + DOWN ARROW or CTRL + PAGE DOWN	Moves to the next method or type in the document *(Edit.NextMethod)*
Previous and Next Word	CTRL + LEFT ARROW and CTRL + RIGHT ARROW	Moves the insertion point left or right one word, respectively. *(Edit.WordPrevious and Edit.WordNext)*
IDE Navigator	CTRL + TAB	Displays the IDE Navigator, with the first document window selected. The IDE Navigator functions similarly to the Windows Navigator (ALT + SHIFT + TAB), only it is for files and tool windows within Visual Studio. *(Window.NextDocumentWindowNav)*
View All Open Documents	CTRL + ALT + DOWN ARROW	Displays a pop-up listing of all open documents. *(Window.ShowEzMDIFileList)*
View Code	F7	Displays the selected item in **Code** view of the Editor. *(View.ViewCode)*
View Designer	SHIFT + F7	Displays the selected item in **Design** view of the Editor. *(View.ViewDesigner)*
HTML Designer	SHIFT + F7	Switches between **Source** view and **Design** view for the current HTML. *(View.ViewMarkup and View.ViewDesigner)*
View Document Outline	CTRL + ALT + T	Displays the **Document Outline** window. Particularly useful in the Form Designer and HTML Designer. *(View.DocumentOutline)*
Add or Remove Bookmark	CTRL + K, CTRL + K	Sets or removes a bookmark at the current line. *(Edit.ToggleBookmark)*
Navigate Bookmarks	CTRL + K, CTRL + N or CTRL + K, CTRL + P	Moves to the next or previous bookmark, respectively. *(Edit.NextBookmark and Edit.PreviousBookmark)*
Delete All Bookmarks	CTRL + K, CTRL + L	Deletes all bookmarks. *(Edit.ClearBookmarks)*

Search

Find Symbol	ALT + F12	Displays the **Find Symbol** dialog box. *(Edit.FindSymbol)*
Find All References	ALT + SHIFT + F12	Displays a list of all references for the symbol selected. *(Edit.FindAllReferences)*
Find Text	CTRL + F and CTRL + SHIFT + F	Displays the **Find and Replace** dialog box for a single-file and multiple-file search, respectively. *(Edit.Find and Edit.FindInFiles)*
Next and Previous Search Result	F3 and SHIFT + F3	Finds the next and previous occurrence, respectively, of the text from the most recent search. *(Edit.FindNext and Edit.FindPrevious)*
Next and Previous Selected	CTRL + F3 and CTRL + SHIFT + F3	Finds the next and previous occurrence, respectively, of the currently selected text or the word at the insertion point. *(Edit.FindNextSelected and Edit.FindPreviousSelected)*
Incremental Search	ALT + I and ALT + SHIFT + I	Activates incremental search (forward and reverse). If no input is typed, the previous search query is used. *(Edit.IncrementalSearch and Edit.ReverseIncrementalSearch)*
Stop Search	ALT + F3, S	Halts the current **Find In Files** operation. *(Edit.StopSearch)*

File

New Project	CTRL + N or CTRL + SHIFT + N	Displays the **New Project** dialog box. *(File.NewProject)*
Open Project	CTRL + O or CTRL + SHIFT + O	Displays the **Open Project** dialog box. *(File.OpenProject)*
Add New Item	CTRL + SHIFT + A	Displays the **Add New Item** dialog box. *(Project.AddNewItem)*
Add Existing Item	CTRL + D	Displays the **Add Existing Item** dialog box. *(Project.AddExistingItem)*

Snippets

You can use **Code Snippets Manager** on the **Tools** menu to find the snippet shortcuts for the "Insert Snippet from Shortcut" commands listed below. You can also customize snippet shortcuts by editing the Shortcut tag of the snippet XML files. The Code Snippet Editor for Visual Basic 2005 is a free application that you can download to help do this. See **http://go.microsoft.com/fwlink/?LinkId=75013** for more information.

Insert Snippet	Type "?" and press TAB	Displays the Code Snippet Picker in the Code Editor. The selected code snippet is then inserted at the cursor position. *(Edit.InsertSnippet)*
Insert Snippet from Shortcut	Type the snippet shortcut and press TAB	Inserts the expanded code snippet. *(Edit.InvokeSnippetFromShortcut)*
Insert **Property** Snippet	Type "property" and press TAB	Inserts a Property snippet. *(Example of Edit.InvokeSnippetFromShortcut)*
List Snippet Shortcuts	Type a snippet shortcut prefix, type "?", and press TAB	Displays the Code Snippet Shortcut Picker. The shortcut in the list, which most closely matches the prefix, is selected.
List Snippet Replacements	CTRL + SPACE	Invokes an IntelliSense completion list for the currently selected snippet replacement.
Escape Replacement Selection	ESC	Deselects the current text. A second ESC deselects the replacement. Can be useful when you want to type at the end of a replacement without extending its bounds.

IntelliSense

Make IntelliSense Transparent	CTRL	Hides the current IntelliSense® window so that you can see the code beneath. Must be invoked while IntelliSense is active.
Display a Filtered List	CTRL + J	Displays the IntelliSense completion list for the current cursor position. *(Edit.ListMembers)*
Display the Global List or Complete a Word	CTRL + SPACE	If invoked while no list is active, displays the IntelliSense completion list for the current cursor position. If a substring has already been typed and there is an exact match in the list, completes the word without invoking the list. If invoked while a filtered list is active, switches to the global list. *(Edit.CompleteWord)*
Common Tab	ALT + COMMA (,)	Decreases the filter level of the active IntelliSense list to the **Common** tab.
All Tab	ALT + PERIOD (.)	Increases the filter level of the active IntelliSense list to the **All** tab.
Navigate Up	CTRL + PAGE UP	Navigates to the first item in the IntelliSense completion list.
Navigate Down	CTRL + PAGE DOWN	Navigates to the last item in the IntelliSense completion list.
Commit an Item	TAB or SPACE or ENTER	Inserts the currently selected item in the list. The following characters can also be used to commit: { } ( ) . , : ; + - * / ^ ! = < > \
Escape the List	ESC	Closes the IntelliSense completion list. This can be useful if you want to prevent the currently selected item from being inserted.