



## eDeveloper Special Settings

**T**his document lists and describes the various special settings supported by eDeveloper.

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 **General FAQ*****What Is a Special Setting?***

A special setting, sometimes referred to as a special flag, is an entry in the INI file that modifies the behavior of the product in specific aspects.

***What Purpose Do the Special Settings Serve?***

Sometimes, a specific behavior of the product is acknowledged as an erroneous behavior, which should be remedied. There are developers who knowingly or unintentionally define their applications in a way that relies on the erroneous behavior. The special settings are the means of enabling the developer to keep the previous behavior.

***Is There a Special Setting for Every Modified Behavior?***

Most of the modified erroneous behaviors cannot be reverted back using a special setting. This is because in many cases, there is no justification to rely on the erroneous behavior and in other cases the previous behavior is profoundly incorrect and anyone relying on such modified behavior should introduce proper advancements in his or her applications.

***What Are the Available Special Settings?***

The available special settings are described further on in this document.

***How Do I Use a Special Setting?***

If you wish to activate a special setting, you should enter it as a new line under a section called [MAGIC\_SPECIALS] in the INI file. For example:

```
[MAGIC_SPECIALS]  
MergeTrim = Y
```

***How Is Each Setting Described in This Document?***

The name of each setting is the actual name to be used in the INI file.

A short description is provided for each setting along with additional information, such as the valid values, the default values, and the version in which this flag was implemented.



## Input/Output and Web-Related Special Settings

### *ClosePrintedTablesInSubtasks*

This flag is for printing a table in a subtask that is called repeatedly.

When this flag is not set or is set to Y, the table closes when the subtask terminates its flow and opens when the subtask is called again.

When the flag is set to N, the table does not close when the subtask terminates its flow and continues to be printed as one table when the subtask is called again.

Valid values: Y,N

Default value: Y

Since version: Before 9

### *CompressBrowserXML*

The entire logic of a browser task is transmitted to the browser in an XML format that is part of the HTML result page of the browser task. The size of this portion becomes larger as the task becomes larger, which results in a large HTML file that needs to be transmitted back to the browser.

eDeveloper's Enterprise Server can compress the XML to a smaller size, thereby creating smaller HTML files. When the XML is compressed, the browser client module is required to decompress it. This procedure naturally causes a longer initialization time when the browser task is loaded on the browser.

By default, eDeveloper uses an automatic detection mechanism to detect slow connections. Only when a slow connection is detected and the size of the HTML is greater than 3KB, will eDeveloper compress the XML portion of the page.

The speed of the connection is evaluated for each end-user upon the first request.

Using this special flag, you may instruct eDeveloper to compress the XML at all times (=Y), or not to compress it at all (=N). The default behavior may be explicitly set (=A).

Valid values: Y,N,A

Default value: Y

Since version: 9.3 SP2

### *GenericTextPrinting*

The Windows NT operating system fails to print a text-based form that ends with a Form-Feed character. Setting this flag to Y solves this issue.

Valid values: Y,N

Default value: N

Since version: 8.2



### ***HighResolutionPrint***

The internal mechanism that calculates the dimensions and location of controls on a form to be printed out has been improved for better accuracy. Existing reports that might have been affected by the improved mechanism may switch to the previous mechanism by setting this special flag to No.

Valid values: Y,N

Default value: Y

Since version: 8.3 SP3

### ***MergeFlushSize***

This flag sets the memory buffer size of a merge operation.

Taking into account available memory resources, you may change this setting to allow better performance of a merge output procedure.

The flag sets the buffer size in bytes.

Valid values: any number

Default value: 51200

Since version: 9.4

### ***MergeTrim***

This flag affects the merged data in the merge template.

When this flag is set to Y, the data is trimmed (that is, the blank spaces from the right and left of the data are removed.) When this flag is set to N, the data is not trimmed.

Valid values: Y,N

Default value: Y

Since version: 8.3

### ***OriginalImageLoad***

Setting this flag to Y may solve apparent printing problems.

Valid values: Y,N

Default value: N

Since version: Before 9



***PrintDataTrim***

This flag affects the printed string data. When this flag is set to N, the data is not trimmed before it is printed.

Valid values: Y,N

Default value: Y

Since version: 8.3 SP2

***PScriptPrintNT***

Some colored images are not printed well when printed to postscript printers. Setting this flag to Y may solve such a problem.

Valid values: Y,N

Default value: N

Since version: Before 9

***SpecialConvAddSlash***

This flag is for creating HTML pages from eDeveloper by using the HTML document and HTML form interface types.

When this flag is set to Y, eDeveloper adds a preceding slash (/) character to identify the path of objects that are referenced from the HTML page (such as Images, Active-X, Java, and so on). This flag is required when the Internet requester is located in a directory other than the root directory for the Web server.

Valid values: Y,N

Default value: N

Since version: Before 9

***SpecialEmptyLineSpace***

Unlike in version 8, a version 9 output of a text-based form to a non-graphic output device does not print empty lines for lines with no controls.

To have lines with no controls printed as empty lines, set this flag to Y.

Valid values: Y,N

Default value: N

Since version: 9.4



### ***SpecialForceCLR1***

eDeveloper's Browser Client .NET module needs CLR Version 1.1 to run on the client.

If the same machine has .NET CLR version 2.0 installed as well, it can cause incorrect behavior.

When this flag is set to Y, the 1st HTML returned from the server will include a reference to a new COM component, which will be located inside the existing MGBC<version>.

Valid values: Y,N

Default value: N

Since version: 9.4 SP7a

### ***SpecialFullExpandPrint***

This flag was created to avoid the problem of losing RTF data when printing as an expanded form.

Valid values: Y,N

Default value: N

Since version: Before 9

### ***SpecialFullText***

When this flag is set to Y, text in a multi-line Edit control for an expanded form will be printed only if there is space for the entire text to be printed on the same page.

Valid values: Y,N

Default value: N

Since version: Before 9

### ***SpecialLastLinePrint***

When printing a multi-line Edit control each line is printed only if there is enough room left in the Edit control for a full line. If there is not enough space for a line to be printed, it is not printed at all. Setting this flag to Y will print a line even if there is not enough vertical space to print it.

Valid values: Y,N

Default value: N

Since version: 8.3



***SpecialLogToVisInIO***

When this flag is set to Yes, printing to a text file will use Logical to Visual conversion.

Valid values: Y,N

Default value: N

Since version: 9.4SP8

***SpecialOEMPrinterFrameChars***

This feature brings back the OEM frame characters.

Valid values: Y,N

Default value: N

Since version: 9.4 SP5d

***SpecialPrinterOEM***

When this flag is set to Y, text sent to Printer type I/O device will be translated to OEM.

Valid values: Y,N

Default value: N

Since version: 9

***SpecialSoapXmlHeader***

This feature affects the return value of Web Service calls (Call Web .S). If the return value is an XML document, setting this flag to Y will cause eDeveloper to include, in the XML document, an XML header that defines the encoding of the document. The XML encoding is determined based on the current Context Code Page.

Valid values: Y,N

Default value: N

Since version: 9.4 SP4e

***SpecialTable2dPrint***

When printing a 2D style Table control, eDeveloper, by default, prints out the table with a double line style column divider.

Set this flag to Y to set the column divider of a 2D style Table control to be of a single line style.

Valid values: Y,N

Default value: N

Since version: 9.3 SP4



### ***SpecialTrimAlignedData***

Output data of an aligned field is automatically trimmed.

When this flag is set to N, the aligned field will not be trimmed on output.

Valid values: Y,N

Default value: Y

Since version: 9.4 and 8.3 SP13

### ***SpecialVisToLogTransInIO***

On text-based Input/Output in Right-To-Left applications, the text is translated from Visual to Logical and vice versa.

When this flag is set to N, no Visual-to-Logical translation is performed.

Valid values: Y,N

Default value: Y

Since version: 9.3



## Engine Flow and Online Task-Related Settings

### *AlphatoLogicalMagic8Compatible*

In version 8 an alpha argument could be passed to a logical virtual field of another task without affecting its value.

This behavior has been modified in version 9. An alpha field passed as an argument to a logical field is not valid.

To achieve a version 8 compatible behavior, set this flag to Y

**Valid values:** Y,N

**Default value:** Y

**Since version:** 9.4 SP1 and 9.3 SP5

### *ClearCurrentAction*

This flag affects the queue of actions in runtime.

When this flag is set to Y, the queue of pending actions is cleared before eDeveloper opens a new task.

**Valid values:** Y,N

**Default value:** N

**Since version:** 8.3

### *PerformWindowsOEM2AnsiTranslation*

This flag sets the source of the OEM2ANSI translation.

When set to Y, eDeveloper uses the operating system translation tables.

When set to N, eDeveloper uses the user defined translation file, or uses no translation file if such a file is not defined.

**Valid values:** Y,N

**Default value:** N

**Since version:** 9.3 SP4

### *ShiftEditCursor*

This flag is for an application that is implemented under a terminal server.

When the flag is set to Y, the Edit Control cursor is shifted to the right by one pixel so it can be displayed properly.

**Valid values:** Y,N

**Default value:** N

**Since version:** Before 9



### *Special3DStyle*

This flag lets you affect the surface color of various 3D GUI elements.

When this flag is set to Y the following may be observed:

- When set to 3D style, the Text, Rectangle, Ellipse, Group, Check box, Radio button, and Tab controls use the background color set by the Color property to paint the surface of the control.
- Color entry #50 sets the background color of Windows 3D table columns and the surface of the splitter.
- Color entry #51 sets the foreground and background colors of the Menu bar.
- Color entry #52 sets the foreground and background colors of the Toolbar.
- Color entry #53 sets the foreground and background colors of the Status bar.

**Note:** This flag affects both the runtime and toolkit screens.

Valid values: Y,N

Default value: N

Since version: 9.4 SP4d

### *SpecialAccessPhantomByHandler*

Before 9.4 SP3, you could use a Click event to return to a phantom task only if a corresponding Call operation was defined in the parent task's Record Main. The runtime engine has been enhanced to enable re-entry to phantom tasks by searching for a corresponding Call operation in almost any handler, and not just in the Record Main.

Setting this special flag to Y, preserves previous version behavior.

Valid values: Y,N

Default value: N

Since version: 9.4 SP3

### *SpecialAsyncCOMEvents*

Starting eDeveloper 9.4 SP5 all COM events are handled synchronously. If you encounter a change of behavior pertaining handling COM events, setting this special flag to Y instructs the engine to handle the COM events asynchronously and that may remedy the changed behavior.

Valid values: Y,N

Default value: N

Since version: 9.4 SP5



### ***SpecialBeepOnWarning***

When evaluating a Verify operation when the special flag is set to Y, the engine beeps on evaluating either a Verify Error or Verify Warning operation. When this special flag is set to N, on evaluating a Verify operation, the engine beeps only for a Verify Error operation.

**Note:** If the Verify operation is displayed on a Message Box, the beeps come from the operating system (even for a Verify Warning operation).

Valid values: Y,N

Default value: Y

Since version: 9.4 SP4c

### ***SpecialCenteredFloatingWindow***

When this flag is set to N, any floating window will be opened according to its Startup Position property. When this flag is set to Y, any floating window will be opened centered.

**Note:** A modal window is also a floating window.

**Change Effective:** immediate

Valid values: Y,N

Default value: N (was Y from 9.2 SP1 to 9.3 SP3)

Since version: 9.3 SP4

### ***SpecialExitControlOnClick***

Before 9.4SP4, clicking the form background or a non-parkable control made the engine exit and re-enter the current control and execute the entire control cycle (Change, Verification, Suffix, and Prefix). In 9.4 SP4 this behavior has been modified and now the control only exits its Edit mode and only executes the Control Change handler.

Setting this special flag to Y, preserves previous version behavior..

Valid values: Y,N

Default value: N

Since version: 9.4 SP4



### ***SpecialModifiedDecimalSeparator***

By setting this flag to Y, eDeveloper will return the decimal separator character defined in the Magic.ini file whenever the dot (.) key is pressed (whether by the main keyboard or the num pad), only when it is parked on a numeric field.

Note: The replaced decimal separator character is as defined in the eDeveloper environment and not as defined by the Machine's regional settings.

Valid values: Y,N

Default value: N

Since version: 9.3 SP2

### ***SpecialNullTerminateBlobs***

This feature affects the update of a Blob variable with an Alpha value.

Setting this flag to Y will add an additional NULL character at the end of the Blob.

Setting this flag to N will not add an additional NULL character to the Blob.

Valid values: Y,N

Default value: Y

Since version: 9.4 SP4c

### ***SpecialPaintFormInCreate***

eDeveloper provides two ways of handling the form of a task that opens in create mode, closes, and keeps the window opened (Close Task Window=No).

When this flag is set to Y, all of the variables' initial and default values are computed and all of the controls' properties based on expressions are computed as well.

When this flag is set to N, all the variables' initial and default values are not computed and all of the controls' properties based on expressions are not computed as well.

Valid values: Y,N

Default value: N

Since version: 9.3 SP4 and 8.3 SP13

### ***SpecialSingleItemRadio***

You can configure a Radio button control with just a single item even if it is linked to a source table. The radio button supports a single item when you set this special flag to Y.

Valid values: Y,N

Default value: Y

Since version: 9.4 SP3



### ***SpecialSkipInMultiEdit***

When parked on a multi-line Edit control in a Table control, the up & down arrows scroll through the lines of the multi-line Edit control and not through the table rows.

Setting this flag to Y will make the up & down arrows scroll through the table rows when parked on a multi-line Edit control.

Valid values: Y,N

Default value: N

Since version: 9.2

### ***SpecialTrimTrailingNulls***

The Trim function behavior has been slightly modified in V9 so that null characters at the end of the string are trimmed. This new behavior is only available when you set this special flag to Y. In the default behavior of the Trim function, trailing null characters are not trimmed.

Valid values: Y,N

Default value: N

Since version: 9.4 SP1



 **Toolkit-Related Settings*****Def7EditHeight***

This flag affects the default height of a new Edit control.

When the flag is not set or is set to N, the height of a new Edit control is calculated according to the standard of the Windows operating system.

When this flag is set to Y, the height of the new Edit control will be determined as it was in Version 7.

**Valid values:** Y,N

**Default value:** Y

**Since version:** 8.3

***SpecialExportRightString***

This flag affects the export of the Rights.

If you wish to import Rights definitions into an application that already has Rights entries defined in it, it is recommended to set this flag to Y.

**Valid values:** Y,N

**Default value:** N

**Since version:** 9.4 SP6d

***SpecialModalToolWindow***

In previous versions, modal windows were defined as Tool windows. This resulted in incorrect behavior by the operating system: Alt+Tab would not switch to the next application, and eDeveloper's icon would disappear from the application icon list.

Moreover, the caption for a Tool window is smaller than a regular caption.

When this flag is set to N:

- The caption of all modal windows will be of a normal size; thus the remaining client area in these windows will turn out to be smaller in height.
- The icon for all floating windows will disappear.
- The incorrect operating system behavior regarding Alt+Tab will disappear.

**Valid values:** Y,N

**Default value:** Y

**Since version:** 9.4 SP5c



***SpecialSetParamRemoveEmptyStrings***

This feature controls the operation of the SetParam function.

If this feature is set to N, then using the SetParam function with a blank value will not remove the global parameter from the current context.

Valid values: Y,N

Default value: Y

Since version: 9.4 SP6c

***SpecialTempInWebDir***

This flag relates to an HTML type form.

This flag determines the temporary directory to which the HTML files will be created for the View in browser option of the form in the eDeveloper Toolkit.

When this flag is not set or is set to N, the HTML files are created in the temporary directory as set in the operating system environment.

When the flag is set to Y, the HTML files are created in the directory that is specified in the Internet Development file root environment setting for the eDeveloper application.

Valid values: Y,N

Default value: N

Since version: Before 9

***SpecialV10Export***

This flag adds an additional option in the export screen of eDeveloper V9x for exporting an application to eDeveloper V10.

This new export contains also all the properties that are inherited and come from components. This is due to problems in conversion when this information is inaccessible.

Valid values: Y,N

Default value: N for sp7a, Y for sp7b and above

Since version: 9.4 SP7a

***TeamDevelopmentForComponents***

eDeveloper enables team development of an application containing eDeveloper components that are also in a team development mode. To allow this you should set this special flag to Y.

Valid values: Y,N

Default value: N

Since version: 9.2



## Data Management Related Settings

### ***ORA\_Zero\_Dates\_allowed***

This feature disallows sending 0 dates to Oracle.

If this flag is set to N, eDeveloper will show an error message upon sending zero dates to Oracle (on eDeveloper's DATE fields mapped to Oracle DATE). This applies to create/modify of an eDeveloper Date with zero, via regular eDeveloper tasks (not Direct SQL).

Valid values: Y,N

Default value: Y

Since version: 9.4 SP6d

### ***RtfBufferSize***

The size of the RTF edit field is the default size for RTF as defined by the computer's operating system.

The flag can define the RTF edit field as a different size. The number set for the flag determines the RTF edit field size in kilobytes.

The Magic.ini setting is read every time a new screen is built (that is, prior to the Task Prefix). This means that using the INIPut function before entering a task, sets the size of each RTF edit field that is built for the form of the task. Changing the Magic.ini setting from within a task will not affect the size of the RTF edit fields that were already created.

Valid values: Any number

Default value: Operating System Dependent

Since version: 8.3 SP3

### ***SpecialNegativePackedDecimalNotation***

You can use this keyword to rebuild numeric data. For example, if you are working with iSeries and you set this setting to Y, eDeveloper builds numeric data according to iSeries rules.

Valid values: Y,N

Default value: N

Since version: 9.4 SP5



***SpecialNoCheckIndexInDeferred***

The Check Index functionality helps you verify that there are no duplicate records in the database before exiting the record. This can be problematic when working with deferred transactions since the table might have been changed during the transaction without the changes being reflected in the database.

You can disable the Check Index functionality by setting this flag to Y.

**Valid values:** Y,N

**Default value:** N

**Since version:** 9.4 SP5

***UseBuddhistDateModeForDB***

When the Buddhist date format option is selected with a String date storage type, the behavior is different than with an Integer date storage type. When this flag is set to N, the date value will be stored in the database as a regular date. eDeveloper, however, displays the date in the Buddhist date format. The flag displays the date properly when another date mode is selected.

**Valid values:** Y,N

**Default value:** Y

**Since version:** 8.3 SP2



## Miscellaneous Settings

### ***DoubleByteAutolocate***

On performing incremental locate, eDeveloper opens a cursor only if the next typed letter does not match the current cursor.

Setting this special flag to Y instructs the engine to open a cursor for every letter typed. Setting this flag to Y may resolve problems in Chinese versions that relate to the incremental locate mechanism.

Valid values: Y/N

Default value: N

Since version: 9.4

### ***ExceptionMessageBoxDisplay***

In a multi-threaded background engine, this flag determines the behavior when a thread terminates abnormally.

When set to Y, a message should be displayed upon a crash in a thread and thereby terminate the entire engine.

When set to N, the erroneous thread is closed and the engine continues to run.

Valid values: Y,N

Default value: N

Since version: 9.3

### ***SpecialBackgroundDelayActionInterval***

This flag sets the interval by which the engine checks for pending events while the engine execution is delayed using the Delay() function.

The interval value is set in milliseconds.

Valid values: Any number

Default value: 100

Since version: 9.4 SP3

### ***SpecialDynamicContextMenu***

This feature allows you to define the context menu via an expression.

If this flag is set to Y, an additional expression property will be added to the context menu, and the MenuIDX() function will be added to the Function list.

Valid values: Y,N

Default value: N

Since version: 9.4 SP4d



***SpecialENGLogon***

When this flag is set to Y, the default language for the User field and the Password field of the Logon screen will be in English.

Valid values: Y,N

Default value: N

Since version: 9.4 SP7d

***SpecialLockVersion***

This flag determines the number of users that can lock the eDeveloper application. When the flag is set to 5, 256 users can lock the eDeveloper application as defined in Version 5. When the flag is set to 8, 1,024 users can lock the eDeveloper application as defined in Version 8.

Valid values: 5 or 8

Default value: 5

Since version: Before 9

***SpecialMaxTimers***

This flag sets the size of some of the fixed allocated resources of a multi-threaded engine.

Valid values: any number

Default value: 30

Since version: 9

***SpecialNoSplash***

This feature disables the appearance of the splash screen.

Valid values: Y,N

Default value: N

Since version: 9.4 SP2b

***SpecialNumpadPlusGetCharacter***

This flag instructs the eDeveloper engine to ignore the plus character.

When this flag is set to N, eDeveloper engine will ignore the Numpad plus key at all times, even if the key is not handled or mapped to any internal event.

Valid values: Y,N

Default value: Y

Since version: 9.3 SP5a



### ***SpecialOldTestEnv***

This flag was created to use the automatic testing feature for the WinRunner tool. Up until Version 8.20, each control was assigned an identifier from the computer's operating system. Since Version 8.20, each control is assigned an identifier from the eDeveloper engine.

When this flag is set to Y, eDeveloper invokes the old convention for assigning an identifier to a control.

**Valid values:** Y,N

**Default value:** N

**Since version:** 8.2

### ***SpecialPaletteChangeInfiniteLoop***

In some cases the engine's interface would flicker indefinitely on terminal clients. You can use this special flag to solve this problem by setting it to N.

**Valid values:** Y,N

**Default value:** Y

**Since version:** 9.4 SP3

### ***SpecialRecordCriticalLockWait***

This flag is used to prevent an infinite loop that occurs while attempting to get a critical lock for a record. This flag sets the time (in minutes) that eDeveloper will "sleep" between subsequent attempts to gain the lock. This will enable the OS to perform context switching.

**Valid values:** any number

**Default value:** 0

**Since version:** Before 9

### ***SpecialTableCriticalLockWait***

This flag is used to prevent an infinite loop that occurs while attempting to get a critical lock for a table. This flag sets the time (in minutes) that eDeveloper will "sleep" between subsequent attempts to gain the lock. This will enable the OS to perform context switching.

**Valid values:** any number

**Default value:** 0

**Since version:** Before 9

