On (control event)

The *on ... control events* properties set or return the Basic script function which is executed when the event occurs.

tags:
Properties

Applies to ...

The list below details which event is applicable on which control type. Additionally a distinction is made depending on the location of the control: within a **form** (or **subform**), a **dialog** or a **grid control**.

The last column indicates how the event is displayed in the properties box related to the control when the form or dialog is being edited.

EVENT	When applied to ...	CheckBox	ComboBox	CommandButton	CurrencyField	DateField	FileControl	FixedLine	FixedText	FormattedField	GridControl	GroupBox	HiddenControl	ImageButton	ImageControl	ListBox	NavigationBar	NumericField	PatternField	ProgressBar	RadioButton	ScrollBar	SpinButton	SubForm	TextField	TimeField	Event as displayed in the (english) Base user interface
OnActionPerformed	*Form*	X	X	X												X					X						
	Datagrid	X																									Execute action
	Dialog	X	X	X												X					X						
OnAdjustmentValueChanged	*Form*																					X	X				
	Datagrid																										While adjusting
	Dialog																					X					
OnApproveAction	*Form*			X											X												
	Datagrid																										Approve action
	Dialog																										
OnApproveReset	*Form*	X	X	X	X	X	X			X	X	X		X	X		X	X	X		X	X	X		X	X	
	Datagrid	X	X		X	X				X							X	X	X						X	X	Prior to reset
	Dialog																										
OnApproveUpdate	*Form*		X		X	X				X	X						X	X	X		X				X	X	
	Datagrid		X		X	X				X							X	X	X						X	X	Before updating
	Dialog																										
OnChanged	*Form*																X								X		
	Datagrid																								X		Changed
	Dialog																										
OnErrorOccurred	*Form*		X							X	X						X										
	Datagrid		X							X							X										Error occurred
	Dialog																										
OnFocusGained	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	
	Datagrid	X	X		X	X				X								X	X						X	X	When receiving focus
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X		X	X	X	X	X	X		X	X	
OnFocusLost	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	
	Datagrid	X	X		X	X				X								X	X						X	X	When losing focus
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X		X	X	X	X	X	X		X	X	
OnItemStateChanged	*Form*	X	X	X												X					X						
	Datagrid	X	X													X											Item status changed
	Dialog	X	X	X												X					X						
OnKeyPressed	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Key pressed
	Datagrid	X	X		X	X				X								X	X						X	X	

Event	Context																										Description
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnKeyReleased	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Key released
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMouseDragged	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse moved while key pressed
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMouseEntered	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse inside
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMouseExited	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse outside
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMouseMoved	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse moved
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMousePressed	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse button pressed
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnMouseReleased	*Form*	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	Mouse button released
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X			X	X	
OnResetted	*Form*	X	X	X	X	X	X			X	X	X		X	X		X	X			X	X	X		X	X	After resetting
	Datagrid	X	X		X	X				X					X		X	X							X	X	
	Dialog																										
OnTextChanged	*Form*		X		X	X	X			X							X	X							X	X	Text modified
	Datagrid		X		X	X				X							X	X							X	X	
	Dialog		X		X	X	X			X							X	X							X	X	
OnUpdated	*Form*		X		X	X			X	X					X		X	X			X	X			X	X	After updating
	Datagrid		X		X	X				X					X		X	X							X	X	
	Dialog																										

Syntax

control.`OnActionPerformed`
control.`OnActionPerformed`=*value*
...etc...

Returned vales / Arguments

`String`

Remarks

- The *value* argument or the returned value is a string pointing to a Basic (or other ...) subroutine: see the [Scripting Framework URI Specification](#) for more info.
  E.g.
  `vnd.sun.star.script:Standard.myModule.myMacro?language=Basic&location=document`
  designates the `myMacro` Function or Sub in the `myModule` module of the Basic `Standard` library belonging to the current document.
  Note that Access2Base does not check the validity of the provided argument.
- Use an empty string ("") to remove the current setting.
- The new control events settings will **NOT** be saved in the form after its closure.

Error messages

Property 'On...' not applicable in this context
"Value '...' is invalid for property 'On...'

See also

On (database event)
On (dialog event)
On (form event)

Example

Change the behaviour of the form when a control gets the focus

```
Dim ocControl As Object
        Set ocControl = Application.Forms("myForm").Controls("myControl")
        '       Change event "When receiving focus"
        ocControl.OnFocusGained = "vnd.sun.star.script:Standard.myModule.myFunction?language=Basic&location=document"
        '       Cancel the event "When losing focus"
        ocControl.OnFocusLost = ""
```

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