SLOTS Y SEÑALES I

http://download.velneo.com/V7/help/7.2/es/Velneo_vDevelop_V7/img/res_415.jpg Conexión de evento  
Permite conectar un evento con una señal.   
 **Control**: Define bien el objeto principal o bien un subobjeto como origen de la señal que dispara el evento.  
 **Señal**: Esta propiedad nos permite seleccionar qué suceso es el que desencadena el disparo del evento.   
  
Según el tipo de objeto o subobjeto estarán serán funcionales unas señales u otras:

# OBJETOS DEL FORMULARIO

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ***Nombre de campo*** | ***Texto estático*** | ***Botón*** | ***Edición*** | ***Micro scroller*** | ***Calendario*** | ***Reloj*** | ***Manómetro*** | ***Botón de radio*** | ***Check box*** | ***Combo box*** | ***List box*** | ***Control objeto (formulario)*** | ***Deslizador*** | ***Rueda*** | ***Dial*** | ***Objeto dibujo*** | ***Objeto texto*** | ***Objeto  texto rico*** | ***Objeto html*** | ***Objeto*** | ***Separador  de  formularios*** | ***Caja  de formularios*** | ***Pila  de  subformularios*** |
| **Gana foco** |  |  | X | X | X | X |  |  | X | X | X | X |  | X | X | X |  |  |  |  |  |  |  |  |
| **Pierde foco** |  |  | X | X | X | X |  |  | X | X | X | X |  | X | X | X |  |  |  |  |  |  |  |  |
| **Tecla pulsada** |  |  | X | X | X | X |  |  | X | X | X | X |  | X | X |  | X | X | X | X | X |  | X |  |
| **Tecla soltada** |  |  | X | X | X | X |  |  | X | X | X | X |  | X | X |  | X | X | X | X | X |  | X |  |
| **Ratón: Botón doble-click** | X | X | X | X | X | X | X | X | X | X |  |  | X | X | X | X |  | X \*[1] |  | X \*[2] |  | X \*[2] | X \*[2] | X \*[2] |
| **Ratón: Botón pulsado** | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X |  |  | X |  | X \*[2] | X \*[2] | X \*[2] |
| **Ratón: Botón soltado** | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X |  |  | X |  | X \*[2] | X \*[2] | X \*[2] |
| **Ratón: Movimiento** | X \*[3] | X \*[3] | X \*[3] | X | X \*[3] | X | X \*[3] | X \*[3] | X | X |  |  | X | X | X | X | X |  |  | X \*[2] |  | X \*[2] | X \*[2] | X \*[2] |
| **Ventana movida** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Ventana redimensionada** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Item: Cambio de seleccionado** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Inicializado** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Timer** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Botón pulsado???** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Acción disparada** | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| **Item: Activado** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Item: Simple-click** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Item: Doble-click** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Drop finalizado** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

X[1]. sólo botón derecho  
X[2]. sólo en áreas vacías del control   
X[3]. Sólo con botón izquierdo del ratón pulsado

SLOTS Y SEÑALES II

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUBOBJETOS DE FORMULARIO  |  |  |  | | --- | --- | --- | |  |  |  | |  | ***Rejilla*** | ***Casillero*** | | **Gana foco** |  |  | | **Pierde foco** |  |  | | **Tecla pulsada** |  |  | | **Tecla soltada** |  |  | | **Ratón: Botón doble-click** |  |  | | **Ratón: Botón pulsado** |  |  | | **Ratón: Botón soltado** |  |  | | **Ratón: Movimiento** |  |  | | **Ventana movida** |  |  | | **Ventana redimensionada** |  |  | | **Item: Cambio de seleccionado** |  |  | | **Inicializado** |  |  | | **Timer** |  |  | | **Botón pulsado???** |  |  | | **Acción disparada** |  |  | | **Item: Activado** | X | X | | **Item: Simple-click** | X | X | | **Item: Doble-click** | X | X | | **Drop finalizado** |  |  | | OBJETOS  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | |  | ***Formulario*** | ***Bloc*** | ***Rejilla*** | ***Casillero*** | ***Árbol*** | ***Marco*** | | **Gana foco** |  |  | X | X | X | X | | **Pierde foco** |  |  | X | X | X | X | | **Tecla pulsada** | X |  | X | X | X |  | | **Tecla soltada** | X |  | X | X | X |  | | **Ratón: Botón doble-click** | X | X |  |  |  |  | | **Ratón: Botón pulsado** | X | X |  |  |  |  | | **Ratón: Botón soltado** | X | X |  |  |  |  | | **Ratón: Movimiento** | X\*[1] | X\*[1] |  |  |  |  | | **Ventana movida** | X |  | X | X | X |  | | **Ventana redimensionada** | X | X | X | X | X |  | | **Item: Cambio de seleccionado** | X |  | X |  | X | X | | **Inicializado** |  |  |  |  |  |  | | **Timer** | X |  |  |  |  |  | | **Botón pulsado???** |  |  |  |  |  |  | | **Acción disparada** |  |  | X | X | X |  | | **Item: Activado** |  |  | X |  |  |  | | **Item: Simple-click** |  |  | X | X | X |  | | **Item: Doble-click** |  |  | X | X | X |  | | **Drop finalizado** |  |  | X | X |  |  |   X\*[1]. Sólo con botón izquierdo del ratón pulsado |

SLOTS Y SEÑALES III

Las señales pueden ser leídas en los [eventos](http://velneo.es/info/v7_721_es/velneo_vdevelop_v7/proyectos_objetos_y_editores/evento) que éstas disparen.

Para poder capturar la señal es necesario **una** [**variable local**](http://velneo.es/info/v7_721_es/velneo_vdevelop_v7/proyectos_objetos_y_editores/variable_local) **alfabética con la propiedad array a True** cuyo identificador sea **EVENT\_PARAMS**.

|  |  |
| --- | --- |
| Señal/Parámetros devueltos | Posición array |
| Posición array-> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  | ***Nº de comando*** | ***Dato 1*** | ***Dato 2*** | ***Dato 3*** | ***Dato 4*** | ***Dato 5*** | ***Dato 6*** | ***Dato 7*** | ***Dato 8*** |
| Gana foco | 0 | - | - | - | - | - | - | - | - |
| Pierde foco | 1 | - | - | - | - | - | - | - | - |
| Tecla pulsada | 2 | Tecla | Shift? | Control? | Alt? | Texto | - | - | - |
| Tecla soltada | 3 | Tecla | Shift? | Control? | Alt? | Texto | - | - | - |
| Ratón: Botón doble-click | 4 | Botón | Shift? | Control? | Alt? | Pos x | Pos y | Pos x global | Pos y global |
| Ratón: Botón pulsado | 5 | Botón | Shift? | Control? | Alt? | Pos x | Pos y | Pos x global | Pos y global |
| Ratón: Botón soltado | 6 | Botón | Shift? | Control? | Alt? | Pos x | Pos y | Pos x global | Pos y global |
| Ratón: Movimiento | 7 | Botón | Shift? | Control? | Alt? | Pos x | Pos y | Pos x global | Pos y global |
| Ventana movida | 8 | Old pos x | Old pos y | Pos x | Pos y | - | - | - | - |
| Ventana redimensionada | 9 | Old ancho | Old alto | New ancho | New alto | - | - | - | - |
| Item: Cambio de seleccionado | 10 | Pundir select | - | - | - | - | - | - | - |
| Inicializado | 11 | - | - | - | - | - | - | - | - |
| Timer | 12 | - | - | - | - | - | - | - | - |
| Botón pulsado | 13 | - | - | - | - | - | - | - | - |
| Acción disparada | 14 | - | - | - | - | - | - | - | - |
| Item: Activado | 15 | Index: Fila | Index: Columna | - | - | - | - | - | - |
| Item: Simple-click | 16 | Index: Fila | Index: Columna | - | - | - | - | - | - |
| Item: Doble-click | 17 | Index: Fila | Index: Columna | - | - | - | - | - | - |
| Drop finalizado | 18 | - | - | - | - | - | - | - | - |

Podremos leer el contenido del array desde cualquier fórmula: EVENT\_PARAMS[posición], donde el parámetro posición identifica la posición del array que se desee leer. Este dato podrá ser tanto una constante como una variable. En un array la primera posición es la 0.