JSEvent

Feb 26, 2024 09:04

Supported Clients

SmartClient WebClient NGClient MobileClient

Constants Summary

String	ACTION	Constant returned by JSEvent.
String	DATACHANGE	Constant returned by JSEvent.
String	DOUBLECLICK	Constant returned by JSEvent.
String	FOCUSGAINED	Constant returned by JSEvent.
String	FOCUSLOST	Constant returned by JSEvent.
String	FORM	Constant returned by JSEvent.
Number	MODIFIER_ALT	Constant for the ALT modifier that can be returned by JSEvent.
Number	MODIFIER_CTRL	Constant for the CTRL modifier that can be returned by JSEvent.
Number	MODIFIER_META	Constant for the META modifier that can be returned by JSEvent.
Number	MODIFIER_SHIFT	Constant for the SHIFT modifier that can be returned by JSEvent.
String	NONE	Constant returned by JSEvent.
String	RIGHTCLICK	Constant returned by JSEvent.

Property Summary

Object	data	A data object that specific events can set, a user can set data back to the system for events that supports this.

Methods Summary

String	getElementName()	returns the name of the element, can be null if the form was the source of the event.
String	getFormName()	returns the name of the form the element was placed on.
Number	getModifiers()	Returns the modifiers of the event, see JSEvent.
String	getName()	Returns the name of the event which was triggered
Object	getSource()	returns the source component/element of the event.
Date	getTimestamp()	Returns the time the event occurred.
String	getType()	returns the event type see the JSEvents constants what it can return.
Number	getX()	Returns the x position of the event, relative to the component that fired it, if applicable.
Number	getY()	Returns the y position of the event, relative to the component that fired it, if applicable.

Constants Details

ACTION

Constant returned by JSEvent.getType() in a method that is attached to an onAction event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.ACTION)
{
        // its an action event.
}
```

DATACHANGE

Constant returned by JSEvent.getType() in a method that is attached to an onDataChange event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.DATACHANGE)
{
        // its a data change event
}
```

DOUBLECLICK

Constant returned by JSEvent.getType() in a method that is attached to an onDoubleClick event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.DOUBLECLICK)
{
        // its a double click event.
}
```

FOCUSGAINED

Constant returned by JSEvent.getType() in a method that is attached to an onFocusGained or the forms onElementFocusGained event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.FOCUSGAINED)
{
        // its a focus gained event.
}
```

FOCUSLOST

Constant returned by JSEvent.getType() in a method that is attached to an onFocusLost or the forms onElementFocusLost event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.FOCUSLOST)
{
        // its a focus lost event.
}
```

FORM

Constant returned by JSEvent.getType() in a method that is attached to a form event (like onShow) or command (like onDeleteRecord)

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.FORM)
{
        // its a form event or command
}
```

MODIFIER_ALT

Constant for the ALT modifier that can be returned by JSEvent.getModifiers();

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
//test if the SHIFT modifier is used.
if (event.getModifiers() & JSEvent.MODIFIER_SHIFT)
{
        //do shift action
}
```

MODIFIER_CTRL

Constant for the CTRL modifier that can be returned by JSEvent.getModifiers();

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
//test if the SHIFT modifier is used.
if (event.getModifiers() & JSEvent.MODIFIER_SHIFT)
{
        //do shift action
}
```

MODIFIER_META

Constant for the META modifier that can be returned by JSEvent.getModifiers();

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
//test if the SHIFT modifier is used.
if (event.getModifiers() & JSEvent.MODIFIER_SHIFT)
{
        //do shift action
}
```

MODIFIER_SHIFT

Constant for the SHIFT modifier that can be returned by JSEvent.getModifiers();

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
//test if the SHIFT modifier is used.
if (event.getModifiers() & JSEvent.MODIFIER_SHIFT)
{
        //do shift action
}
```

NONE

Constant returned by JSEvent.getType() if the event is not used in a known event or command.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.NONE)
{
        // type is not set.
}
```

RIGHTCLICK

Constant returned by JSEvent.getType() in a method that is attached to an onRightClick event.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.RIGHTCLICK)
{
        // its a right click event.
}
```

Property Details

data

A data object that specific events can set, a user can set data back to the system for events that supports this.

Returns

Object

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// A client design method that handles ondrag
if (event.getType() == JSEvent.ONDRAG)
{
     // the data is the selected elements array
     var elements = event.data;
     // only start a client design drag when there is 1 element
     if (elements.length == 1)
     {
             return true;
     }
}

// code for a data drag method
event.data = "drag me!";
return DRAGNDROP.COPY;

// code for a data drop method
var data = event.data;
elements[event.getElementName()].setText(data);
return true;
```

Methods Details

getElementName()

returns the name of the element, can be null if the form was the source of the event.

Returns

String a String representing the element name.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getElementName() == 'myElement')
{
    elements[event.getElementName()].bgcolor = '#ff0000';
}
```

getFormName()

returns the name of the form the element was placed on.

Returns

String a String representing the form name.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
forms[event.getFormName()].myFormMethod();
```

getModifiers()

Returns the modifiers of the event, see JSEvent.MODIFIER_XXXX for the modifiers that can be returned.

Returns

Number an int which holds the modifiers as a bitset.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
//test if the SHIFT modifier is used.
if (event.getModifiers() & JSEvent.MODIFIER_SHIFT)
{
        //do shift action
}
```

getName()

Returns the name of the event which was triggered

Returns

String name of event as string

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var name = event.getName();
```

getSource()

returns the source component/element of the event.
If it has a name the getElementName() is the name of this component.

Returns

Object an Object representing the source of this event.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
// cast to runtime text field (change to anoter kind of type if you know the type)
/** @type {RuntimeTextField} */
var source = event.getSource();
var sourceDataProvider = source.getDataProviderID();
```

getTimestamp()

Returns the time the event occurred.

Returns

Date a Date when this event happened.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
event.getTimestamp();
```

getType()

returns the event type see the JSEvents constants what it can return.
Plugins can create events with there own types.

Returns

String a String representing the type of this event.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
if (event.getType() == JSEvent.ACTION)
{
        // its an action event.
}
```

getX()

Returns the x position of the event, relative to the component that fired it, if applicable.
For example drag'n'drop events will set the x,y positions.

Returns

Number an int representing the X position.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
var x = event.getX();
var xPrevious = previousEvent.getX();
var movedXPixels = x -xPrevious;
```

getY()

Returns the y position of the event, relative to the component that fired it, if applicable.
For example drag'n'drop events will set the x,y positions.

Returns

Number an int representing the Y position.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
var y = event.getY();
var yPrevious = previousEvent.getY();
var movedYPixels = y -yPrevious;
```