

# JSVariable

## Constants Summary

|        |                                                                                                    |
|--------|----------------------------------------------------------------------------------------------------|
| Number | <a href="#">DATETIME</a><br>Constant to be used when the type of a variable needs to be specified. |
| Number | <a href="#">INTEGER</a><br>Constant to be used when the type of a variable needs to be specified.  |
| Number | <a href="#">MEDIA</a><br>Constant to be used when the type of a variable needs to be specified.    |
| Number | <a href="#">NUMBER</a><br>Constant to be used when the type of a variable needs to be specified.   |
| Number | <a href="#">TEXT</a><br>Constant to be used when the type of a variable needs to be specified.     |

## Property Summary

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| String | <a href="#">defaultValue</a><br>The default value of the variable. |
| String | <a href="#">name</a><br>The name of the variable.                  |
| Number | <a href="#">variableType</a><br>The type of the variable.          |

## Method Summary

|        |                                                  |
|--------|--------------------------------------------------|
| String | <a href="#">getScopeName()</a><br>Get scope name |
|--------|--------------------------------------------------|

## Constants Details

### DATETIME

Constant to be used when the type of a variable needs to be specified.

#### Returns

[Number](#)

#### Sample

```
var dateVar = solutionModel.newGlobalVariable('globals', 'gDate', JSVariable.DATETIME);
dateVar.defaultValue = 'now';
application.output(scopes.globals.gDate); // Prints the current date and time.
```

### INTEGER

Constant to be used when the type of a variable needs to be specified.

#### Returns

[Number](#)

#### Sample

```
var intVar = solutionModel.newGlobalVariable('globals', 'gInt', JSVariable.INTEGER);
intVar.defaultValue = 997;
application.output(scopes.globals.gInt); // Prints 997
```

### MEDIA

Constant to be used when the type of a variable needs to be specified.

#### Returns

[Number](#)

#### Sample

```
var mediaVar = solutionModel.newGlobalVariable('globals', 'gMedia', JSVariable.MEDIA);
mediaVar.defaultValue = 'new Array(1, 2, 3, 4)';
application.output(scopes.globals.gMedia); // Prints out the array with four elements.
```

## NUMBER

Constant to be used when the type of a variable needs to be specified.

#### Returns

[Number](#)

#### Sample

```
var numberVar = solutionModel.newGlobalVariable('globals', 'gNumber', JSVariable.NUMBER);
numberVar.defaultValue = 192.334;
application.output(scopes.globals.gNumber); // Prints 192.334
```

## TEXT

Constant to be used when the type of a variable needs to be specified.

#### Returns

[Number](#)

#### Sample

```
var txtVar = solutionModel.newGlobalVariable('globals', 'gText', JSVariable.TEXT);
txtVar.defaultValue = '"some text"'; // Use two pairs of quotes if you want to assign a String as default
value.
application.output(scopes.globals.gText); // Prints 'some text' (without quotes).
```

### Property Details

#### defaultValue

The default value of the variable.

It is interpreted as a JS expression.

For form variables ,setting this property requires the form instances to be destroyed (history.remove("formName")).

If you want to use a default value for a newly created variable create the variable using the 3 parameter version newVariable(name,type,defaultValue).

For INTEGER variables it can be an integer constant, like 10 for example.  
For NUMBER variables it can be a real constant, like 22.41. For DATETIME variables it can be "now", or a JS expression like "new Date()". For TEXT variables it can be any string surrounded with quotes, like "some text".

#### Returns

[String](#)

## Sample

```
var intVar = solutionModel.newGlobalVariable('globals', 'gInt', JSVariable.INTEGER);
intVar.defaultValue = 997;
application.output(scopes.globals.gInt); // Prints 997
var numberVar = solutionModel.newGlobalVariable('globals', 'gNumber', JSVariable.NUMBER);
numberVar.defaultValue = 192.334;
application.output(scopes.globals.gNumber); // Prints 192.334
var dateVar = solutionModel.newGlobalVariable('globals', 'gDate', JSVariable.DATETIME);
dateVar.defaultValue = 'now';
application.output(scopes.globals.gDate); // Prints the current date and time.
var txtVar = solutionModel.newGlobalVariable('globals', 'gText', JSVariable.TEXT);
txtVar.defaultValue = "some text"; // Use two pairs of quotes if you want to assign a String as default value.
application.output(scopes.globals.gText); // Prints 'some text' (without quotes).
var mediaVar = solutionModel.newGlobalVariable('globals', 'gMedia', JSVariable.MEDIA);
mediaVar.defaultValue = 'new Array(1, 2, 3, 4)';
application.output(scopes.globals.gMedia); // Prints out the array with four elements.
```

## name

The name of the variable.

## Returns

[String](#)

## Sample

```
var gVar = solutionModel.newGlobalVariable('globals', 'gtext', JSVariable.TEXT);
gVar.name = 'anotherName';
gVar.defaultValue = "default text";
// The next two lines will print the same output.
application.output(scopes.globals[gVar.name]);
application.output(scopes.globals.anotherName);
```

## variableType

The type of the variable. Can be one of: TEXT, INTEGER, NUMBER, DATETIME or MEDIA.

## Returns

[Number](#)

## Sample

```
var g = solutionModel.newGlobalVariable('globals', 'gtext', JSVariable.TEXT);
scopes.globals.gtext = 'some text';
g.variableType = JSVariable.DATETIME;
scopes.globals.gtext = 'another text'; // This will raise an error now, because the variable is not longer of type text.
```

## Method Details

### getScopeName

[String](#) getScopeName ()

Get scope name

## Returns

[String](#)

### Sample

```
var globalVariables = solutionModel.getGlobalVariables();
for (var i in globalVariables)
    application.output(globalVariables[i].name + ' is defined in scope ' + globalVariables[i].
getScopeName());
```