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## Enhanced functions

Sometimes it makes sense to enhance functions with additional parameters in order to make it more flexible.

### **createDateTime**

`createDateTime(years, months, days, hours, minutes, seconds, milliseconds)`

The `createDateTime()` function supports the argument `milliseconds` in order to create more accurate datetime values.

Example:

```
#createDateTime(2008,9,15,18,45,17,345) #
```

### **getFileInfo**

`getFileInfo(sFile)`

This function retrieves additional data about a file, like:

- `isArchive`

- isSystem
- scheme
- isCaseSensitive
- isAttributesSupported
- isModeSupported

## fileExists

fileExists(fileObject)

The function fileExists also supports files created by the function FileOpen().

## getMetaData

This function has been improved by a very interesting functionality. You are able to find out where (meaning which scope) a certain variable is defined. Just check out the following example:

```
test() >
name="test" output="Yes">
  variables.myVar = "test">
  url.myVar = "urlTest">
  form.myVar = "formTest">
  cookie.myVar = "cookieTest">
  client.myVar = "clientTest">
  var myVar = "localTest">
  var="#getMetaData("myVar", true)#">
```

The result looks like this:

```
Struct
local string localTest
variables string test
url string urlTest
form string formTest
cookie string cookieTest
client string clientTest
```

One thing to mention is, that if you turn off scope cascading in the Railo administrator you might obtain different results. Railo only displays the variables that can be reached by using the variable unscoped.

## getTemplatePath

When you call this function Railo returns a simple value array. Simple value means that you can either use it as a single value represented by the first element or as an array. The array contains all files from the current one up to the original caller template. So if you dump the result of the function you might get the following:

SV Array	
1	string C:\Dev\websites\testbed\www\index.cfm
2	string C:\Dev\websites\testbed\www\test.cfm
3	string C:\Dev\websites\testbed\www\uuid.cfm

getTemplatePath() call resides in this file on line 2.

C:\Dev\websites\testbed\www\uuid.cfm:2

Please note that when you hover with your cursor over the title of the dump, you can see the template where the dump was called (including the line number).

## numberFormat

numberFormat(number [, string format]):String

Number Format supports next to the other known functions to allow numbers following a certain pattern but it also offers the possibility to change them into Roman numbers.

Example:

```
var="#numberFormat(1973,"roman")#">
output: MCMLXXIII
```

## structNew()

structNew([string type]):Struct

The function structNew can make optionally use an initializing parameter which influences the type of struct.

The following values are allowed:

### structNew("normal")

Basic type, same as if no type is defined.

## **structNew("linked")**

The order of the keys in the struct is guaranteed.

## **structNew("weak")**

The content of the might be flushed by the garbage collector. Weak structures can perfectly be used as caches. In case of a memory emergency the JRE garbage collector removes elements of weak structures with a higher priority.