Question
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Callout - how to get something beyond simple datatype (or return several datatypes)

Is there a way to get one of:

- Struct
- $lb
- Subscripted local variable
- List/array

As a return type from callout call?

And related question: is there a way to return several values (which may contain commas) from one callout call. Or rather what's the best approach when doing that?

Consider the following example:

```
#define ZF_DLL
#include "cdzf.h"
#include <stdio.h>

int GetTwoStrings(char* a, char* b, char* retval) {
    sprintf(b,"%s",a);
    sprintf(retval,"%s",a);
    return ZF_SUCCESS;
}

ZFBEGIN
   ZFENTRY("GetTwoStrings","1c1C1C",GetTwoStrings)
ZFEND
```

And the corresponding Caché code:

```
ClassMethod GetTwoStrings(a) As %String
{
    set b=""
    set path = "libsimplecallout.dll"
    set retval = $ZF(-3, path, "GetTwoStrings", a, b)
    zw a, b, retval
}
```

When I execute GetTwoStrings I get the following output:

```
do ..GetTwoStrings("my,Text")
a="my,Text"
b=""
```

```
retval="my,Text,my,Text"
```

retval returned from callout call contains both b and retval from C, but what's the best approach on parsing it into separate variables?

#Caché #Callout

Source URL:https://community.intersystems.com/post/callout-how-get-something-beyond-simple-datatype-or-return-several-datatypes