

## COM Plugin - Defect #852

### Losing COM reference

07/15/2015 12:12 AM - Joe Collins

<b>Status:</b>	Resolved	<b>Start date:</b>	07/14/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Browser (if web client):</b>			

#### Description

I am calling an application through the COM PlugIn, and getting returned

```
com.servoyguy.plugins.servoycom.RemoteCOM@9b9965
```

but calling a function to return an object from a function within the app gives me an ActiveX reference of

```
com.jacob.com.Dispatch@19a09ab
```

after which, I cannot use any references to the jacob COM reference that I would normally be passed from a servoyguy COM reference.

I'm calling the ActiveX controls within BarTender for opening a simple barcode and attempting to print the barcode to a default printer.

```
var com = plugins.servoyguy_servoycom.getClientJSCOM("BarTender.Application");
if (!com || !com.isJACOBLoaded()) {
    plugins.dialogs.showErrorDialog( "Error", "Error loading COM: \n" + plugins.servoyguy_servoycom.getLastErrorMessage());
    return;
}
com.put("Visible", "true");
var test = com.getActiveXComponent();
var formats = com.getChildJSCOM("Formats"); // formats: com.servoyguy.plugins.servoycom.RemoteCOM@9b9965
var formatsFile = formats.call("Open", "c:\\\\sample.BTW", "false", ""); //formatsFile: com.jacob.com.Dispatch@19a09ab, no ActiveX behavior from this object

// Program will exit properly if the following three lines are commented out
formatsFile.call("ExportToClipboard", 0, 0);
application.output("error "+plugins.servoyguy_servoycom.getLastErrorMessage());
var comItems = formatsFile.get("NamedSubStrings");

com.call("Quit", 1); // BarTender.BtSaveOptions.btDoNotSaveChanges = 1
com.release();
```

#### History

##### #1 - 07/15/2015 04:02 PM - Joe Collins

Also, BarTender from Seagull Scientific is demoware for 30 days.

##### #2 - 07/16/2015 05:50 PM - Scott Butler

The getChildJSCOM is a work in progress. There is a sample of another use on this ticket: <https://www.servoyforge.net/issues/655>

Could you try an adjustment to the getChildJSCOM. Instead of:

```
var formats = com.getChildJSCOM("Formats");
```

Try:

```
var formats = com.getChildJSCOM("Formats", "BarTender.Application", []);
```

### #3 - 07/16/2015 05:51 PM - Scott Butler

- Status changed from New to Feedback

### #4 - 07/16/2015 06:39 PM - Joe Collins

The getChildJSCOM("Formats") does return a useful ActiveX reference.

Calls to that object's methods fail in that the methods do not exist, get, put, etc. as well as any properties.

In the plugin code, getChildJSCOM gets transformed, somehow. (New to plugins, exactly one written...)

```
return new JSVariant(Dispatch.call(axo, methodName, arg1, arg2, arg3, arg4, arg5));
```

Versus the getChildJSCOM,

```
return new RemoteCOM(Dispatch.get(axo, key).toDispatch())
```

It looks like it's returning the jacob response, but...

Executing within the Console:

```
=>com.getActiveXComponent()
```

```
com.jacob.activeX.ActiveXComponent@182a702 {m_pDispatch:1455185420}
```

```
=>com
```

```
com.servoyguy.plugins.servoycom.RemoteCOM@e88e50
```

```
=>formats = com.getChildJSCOM("Formats", "BarTender.Application", []);
```

```
com.servoyguy.plugins.servoycom.RemoteCOM@4c57d4
```

```
=>formats.getActiveXComponent()
```

```
com.jacob.activeX.ActiveXComponent@30128c {m_pDispatch:1458962620}
```

```
=>formatInfo = formats.call("Open", "c:\\\\sample.BTW", "false", "")
```

```
com.jacob.com.Dispatch@1a9e26b
```

```
=>formatInfo
```

```
com.jacob.com.Dispatch@1a9e26b
```

```
=>formatInfo.getActiveXComponent()
```

```
"Error during evaluation:TypeError: Cannot find function getActiveXComponent in object com.jacob.com.Dispatch@1a9e26b."
```

```
=>for (item in formats){application.output(item)}
```

```
getClass
```

```
call
```

```
put
```

```
get
```

```
equals
```

```
hashCode
```

```
wait
```

```
getDispatch
```

```
getLastError
```

```
getChildJSCOM
```

```
getActiveXComponent
```

```
notify
```

```
toString
```

```
isJACOBLoaded
```

```
release
```

```
notifyAll
```

```
=>for (item in formatInfo){application.output(item)}
```

```
getClass
```

```
isNull
```

```
getDouble
```

```
equals
```

```
getInt
```

```
getBoolean
```

```
hashCode
```

```
wait
```

```
getFormattedDate
```

```
getDate
```

```
notify
```

```
toString
```

```
getString
```

```
notifyAll
```

### #5 - 07/16/2015 07:00 PM - Joe Collins

My apologies... misdirected on the call to "Formats".

This line got me a correct RemoteCOM reference, as opposed to the Dispatch reference.

```
=>format = formats.getChildJSCOM("Open","BarTender.Application",["c://sample.BTW","false",""])
com.servoyguy.plugins.servoycom.RemoteCOM@1220c66
=>for (item in format){application.output(item)}
getClass
call
put
get
equals
hashCode
wait
getDispatch
getLastError
getChildJSCOM
getActiveXComponent
notify
toString
isJACOBLoaded
release
notifyAll
```

Thank You,  
--Joe.

**#6 - 07/20/2015 04:00 PM - Scott Butler**

- *Status changed from Feedback to Resolved*