GammaLib - Support #1333

Find a correct way to parse XML method requests from VOCLient in VOHUB (branch 1229-GVOHub)

10/13/2014 11:18 AM - Louge Thierry

Status:	Closed	**Start date:**	10/13/2014
Priority:	Normal	**Due date:**	
Assigned To:	Louge Thierry	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:			

Description

GVOHub is available for clients to register, but still not fully functionnal as the parsing of method calls from clients still is under progress.
Testing:
import gammalib as gam
hub = gam.GVOHub()
hub.start()

import gammalib as gam
client = gam.GVOClient()
client.connect()

History

#1 - 10/13/2014 11:44 PM - Knödlseder Jürgen

- Tracker changed from Bug to Support

Can you post a code fragment to illustrate what you want to do? I can then make a proposal ...

#2 - 10/15/2014 02:27 PM - Louge Thierry

The content, received by the Hub from the client is:
<param><value><struct>
<member>
<name>samp.name</name>
<value><string>GammaLib</string></value>
</member>
<member>
<name>samp.description.text</name>
<value><string>GammaLib client</string></value>
</member>
<member>
<name>samp.icon.url</name>
<value><string>http://a.fsdn.com/allura/p/gammalib/icon<:/string>:<:/value</string></value>
</member>
<member>
<name>author.affiliation</name>
<value><string>IRAP, Toulouse, France</string></value>
</member>
<member>
<name>author.email</name>
<value><string>jurgen.knodlseder@irap.omp.eu</string></value>
</member>
<member>
<name>author.name</name>
<value><string>Juergen Knoedlseder</string></value>
</member>
</struct></value></param>
</params>
</methodCall>

The error raised while parsing the document is:
terminate called after throwing an instance of 'GException::xml_name_not_found'
what(): ** **ERROR in GXmlNode** GXmlNode::element(std::string&, int&): XML element name "name" not found.

While the code used to parse the message is the following:

```
const GXmlNode* node = xml.element("methodCall", 0);
if (node != NULL) {
node = node->element("params", 0);
if (node != NULL) {
node = node->element("param", 1);
if (node != NULL) {
node = node->element("value", 0);
if (node != NULL) {
node = node->element("struct", 0);
if (node != NULL) {
int num = node->elements("member");
for (int i = 0; i < num; ++i) {
const GXmlNode* member = node->element("member", i);
const GXmlNode* member_name = member->element("name", 0);
std::string one_name;
std::string one_value;
get_name_value_pair(member_name, one_name, one_value);
if (one_name == name) {
value = one_value;
break;
}
}
}
}
}
}
}
```

#3 - 12/11/2014 10:42 PM - Knödlseder Jürgen

- Status changed from New to In Progress

I think this action can be closed as we identified a bug in the code, right?

#4 - 12/12/2014 12:26 PM - Knödlseder Jürgen

- Status changed from In Progress to Closed

- % Done changed from 0 to 100