

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

|  |               |                        |            |
|--|---------------|------------------------|------------|
| <b>Status:</b>   | Closed        | <b>Start date:</b>     | 10/13/2014 |
| <b>Priority:</b>   | Normal        | <b>Due date:</b>       |            |
| <b>Assigned To:</b>  | Louge Thierry | <b>% Done:</b>         | 100%       |
| <b>Category:</b>   |               | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>   |               |                        |            |
| <b>Description</b><br>GVOHub is available for clients to register, but still not fully fonctionnal as the parsing of method calls from clients still is under progress.<br>Testing:<br>import gammalib as gam<br>hub = gam.GVOHub()<br>hub.start()<br><br>import gammalib as gam<br>client = gam.GVOClient()<br>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&lt;/string&gt;&lt;/value>
</member>
<member>
<name>author.affiliation</name>
<value><string>IRAP, Toulouse, France</string></value>
</member>
<member>
<name>author.email</name>
<value><string>jurgen.knoedlseder@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 - Knödlseider 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 - Knödlseider Jürgen

- Status changed from In Progress to Closed

- % Done changed from 0 to 100