

XBMC4Xbox - Bug #360

HTTP API GetMediaLocation() issue with miniDLNA UPnP server

23/05/2018 10:44 PM - dandar3

Status:	New	Start date:	23/05/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Web Server / Web Interface		
Target version:			
Resolution:		Affected Version:	3.5.2

Description

Issues reported on this [forum thread](#) with miniDLNA 1.2.1.
Also replicated by me with miniDLNA 1.0.22 on Seagate GoFlex Home NAS.

HTTP API GetMediaLocation() fails with the following error message:

```
Error: invalid location, upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/
```

and in xbmc.log

```
22:19:48 M: 36794368 DEBUG: HttpApi Start command: GetMediaLocation paras: GetMediaLocation; Music;upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/
22:19:48 M: 36794368 WARNING: CUtil::GetMatchingSource... no matching source found for [upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/]
```

This is apparently due to how UPnP URLs are stored internally as URL encoded (/1\$4/ is effectively stored in memory as /1%244/) making the resource not able to be identified and matched when GetMediaLocation() function is called. I enabled temporarily some XBMC4Xbox logic showing the problem in the logs:

```
22:37:15 M: 39821312 DEBUG: HttpApi Start command: GetMediaLocation paras: GetMediaLocation; Music;upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/
22:37:15 M: 39821312 INFO: CUtil::GetMatchingSource, testing original path/name [upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/]
22:37:15 M: 39821312 INFO: CUtil::GetMatchingSource, testing for matching name [upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/]
22:37:15 M: 39821312 INFO: CUtil::GetMatchingSource, comparing name [GoFlex Home:UPNP-AV]
22:37:15 M: 39821312 DEBUG: CUtil::GetMatchingSource, testing url [upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/]
22:37:15 M: 39821312 DEBUG: CUtil::GetMatchingSource, comparing url [upnp://4d696e69-444c-164e-9d41-0010752d811c/1%244/]
Previous line repeats 1 times.
22:37:15 M: 39821312 DEBUG: CUtil::GetMatchingSource... no matching source found for [upnp://4d696e69-444c-164e-9d41-0010752d811c/1$4/]
```

Also noticed it is stored URL encoded not only in memory but also in Q:\UserData\sources.xml as well:

```
<music>
...
```

```
<source>
  <name>GoFlex Home:UPNP-AV</name>
  <path pathversion="1">upnp://4d696e69-444c-164e-9d41-0010752d811c/1%244/</path>
</source>
</music>
```

Temporarily patching CUtil::GetMatchingSource() in Util.cpp just to test things I was able to make it work correctly from the XBMC4XBox web interface.

Index: xbmc/Util.cpp

```
=====
--- xbmc/Util.cpp      (revision 33032)
+++ xbmc/Util.cpp      (working copy)
@@ -2696,6 +2696,7 @@
     CURL urlShare(vecPaths[j]);
     urlShare.SetOptions("");
     CString strShare = urlShare.GetWithoutUserDetails();
+   CURL::Decode(strShare);
     ForceForwardSlashes(strShare);
     if (!URIUtils::HasSlashAtEnd(strShare))
         strShare += "/";
```

But I think this should probably be best fixed somewhere upstream so that UPnP are always stored URL decoded internally, but not sure where and if any negative implications if changed.

This issue affects both XBMC4XBox web interface and XBMC4XBox Remote (Android).

Any thoughts / pointers are more than welcome.

Thank you,
Dan