

Make the placename be resolved by the right metaverse server.

The issues...

In the current solution, if we are connected to a **Metaverse Server A**, and you reach a domain that is plugged on a **Metaverse Server B**, any **Placename** from that **Metaverse Server B** can not be resolved. Because the system will try to resolve them on the **Metaverse Server A** where this **Placename** is not known.

It's worse when we try to reach the location of a user (using a @username) since this data is not present outside the **Metaverse Server A**.

Here are the supported hifiurl scheme:

hifi://ip:port/path_or_coordinates

hifi://ip:port

hifi://webDomain/path_or_coordinates

hifi://webDomain

hifi://@username

hifi://placename

hifi://placename/path_or_coordinates

Note: The presence of a **path_or_coordinates** will force to reach this path or coordinates in the targeted domain server, overriding any default path or path associated with a Placename.

The last two in that list are those that can't work from another Metaverse Server. The 2 last ones are those that are the most useful to make the life easy for people hosting behind a router. That's in my opinion the first thing to address to have the solution minimally viable in short term.

A Solution with no impact on the legacy...

To resolve a **Placename**, we would need to know the **Metaverse Server Url** where this **Placename** can be resolved.

Currently, the system only knows one **Metaverse Server URL**, the one that is set at the launch time from the variable **HIFI_METAVERSE_URL**.

To be universal, the best solution is to carry that information with the **Placename** itself as part of the **hifiurl**. So we could add those 2 new schemes:

hifi://placename@metaverseServer

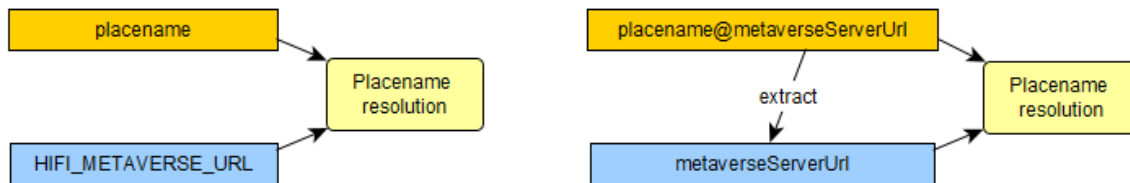
hifi://placename@metaverseServer/path_or_coordinates

I'm not sure we could address the case of the user's location in the short term. (hifi://@username)

By the way, this is probably not a very popular feature (on SL, this was most of the time inactivated rapidly, as it is often a drama trigger). But for the Placename, I think it would be possible to address this without even introduce a change on the legacy behavior.

From that, when the **hifiurl** gets analysed in **Interface**, it should recognize: **placename@metaverseServer** as a possible **Placename**.

Then from there we can simply do something like this:



If the **Placename** is found **WITHOUT** a **@** then use that **Placename** and the **HIFI_METAVERSE_URL** to make this resolved.

If the **Placename** is found **WITH** a **@** then it would consider the string after the **@** as the **metaverseServerUrl** to use to have this resolved.

This changes in theory would not affect the existing legacy behavior and would allow to resolve **Placenames** from other **Metaverse Servers**.

Of course, we might also to reinforce the validation that detect the **@** for the user location, to make sure that it would not consider as this type of url if there is a string before the **@**.

It could be also another char as a separator than the **@** if someone have a better suggestion for this.

Placename in Dashboard...

Of course we must have the **Metaverse Server Url** set as an extension to the **Placename** at some point.

We would have to modify the **Metaverse Dashboard** to add systematically the **@metaverseServerUrl** to the **Placename** at their creation or at runtime. And this way it would work with the solution described just before.

So we would have **universal placename** like this: **placename@metaverseServer**

Once this would be adopted, I think it would continue to be valide for any reorganization that we could plane to do with the Metaverse Server in the future.