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Let's Explore: IDL (Interface Description Language) #24

humbletim started this conversation in **R&D**

humbletim on May 7, 2021 Maintainer edited

Collaborative research and development around using IDLs to capture and prototype interoperable data exchanges between platforms.

- initial experiments repo: https://github.com/XRFoundation/open-metaverse-interface @shawticus

↑ 1

2 comments · 2 replies

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humbletim on May 7, 2021 Maintainer Author

brainstorming data elements to consider, **@madjin** shared a link the other day to VRChat's API.

similar to the draft experimental IDL schema, VRChat interfaces also differentiate (slightly) between the idea of the "current user" and other "user":

- User -- https://vrchatapi.github.io/#/Objects/User?id=user-object
- Base User -- https://vrchatapi.github.io/#/Objects/User?id=current-user-object

↑ 1 1 reply

humbletim on May 9, 2021 Maintainer Author

as another reference point here is a rough impression of how Webaverse might ponder "user" schema:

```
userObject = {
    name,
    avatar: { id, name, ext, preview, url },
    loadout,
    inventory,
    homespace: { id, name, ext, preview, url },
 }
```

- see userObject - https://github.com/webaverse/app/blob/1c8fd37/login.js#L54-L74

lalalune on May 12, 2021

Loadout is an example of where we need some sort of flexible, possibly namespaced data. Some people will want loadout and some people won't.

If we want these concepts to be part of the spec, we could create archetypal interfaces that people can build on-- kind of like how ERC-721 can be implemented for all kinds of different features in NFTs. That way verses who choose to implement loadout can interface with the existing spec, if it's close enough to their own, or fork and create a new version (similar to IPSME).

↑ 1 👍 1 1 reply

humbletim on May 19, 2021 Maintainer Author

That sounds reasonable -- one place archetypal interfaces and namespaced extensions seemed to work fairly well is with browser vendors eventually standardizing on CSS3. Like, starting from CSS1, browsers began implementing the core spec while also experimenting with vendor-specific prefixes.

Seems like a delicate balance to maintain, but where extensions can be expressed as plain text (ie: not as proprietary binary blobs), it seems possible to view namespaced extensions as similar to "proposals" for new features as well as invitations for other vendors to offer "counter-proposals" in their own dialect/prefixes for consideration.

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Category

R&D

Labels

None yet

2 participants