Immers Space

Be Connected; Not Confined

Immers Space Libre Software

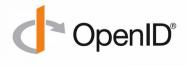
- immers Server (AGPL v3) https://github.com/immers-space/immers
 - Standalone service to connect with a 3D Web experience
 - User accounts, portable identity, and access management via OAuth 2.0
 - Federated social features via ActivityPub
- immers-client (MIT) https://github.com/immers-space/immers-client
 - > Client-side library to use in the 3D Web experience to integrate immers server
 - > Live streaming updates from immers server to see friends activity instantly
 - > Easy high-level conceptual abstractions over ActivityPub apis: e.g. addFriend, sendImage



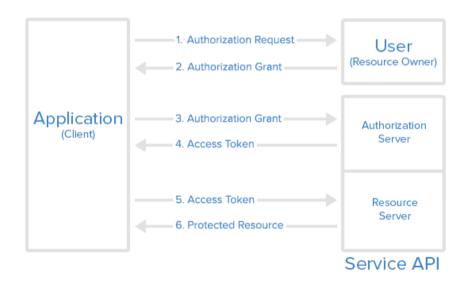
Portable Identity Reciprocity

- Accounts that work everywhere
- No central identity provider
- Host your own or join a community
- Ownership and control over your data
- Open Web standards: OAuth2.0 / OpenID Connect



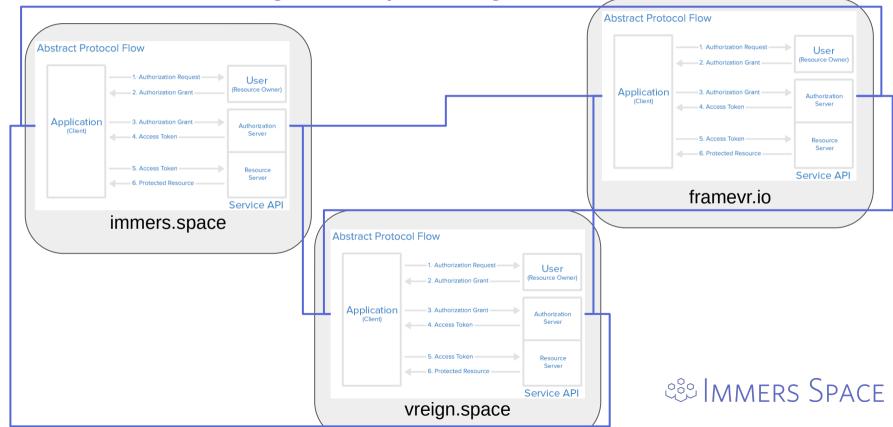


Abstract Protocol Flow





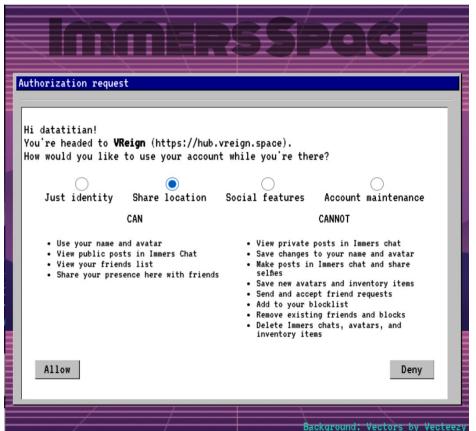
Portable Identity Reciprocity



Portable Identity Reciprocity

- Safely explore new worlds
- Stay in control of your data

Sites request a permission level, but you can override that request and choose what you're comfortable sharing



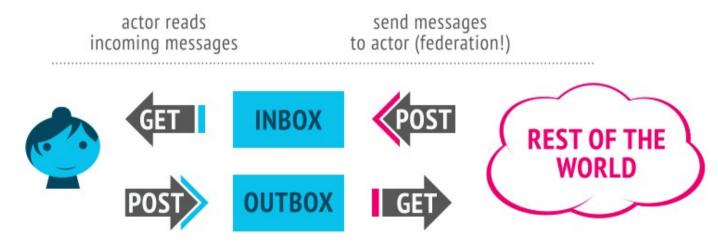


Federated messaging with the interoperable W3C standard for decentralized social media



ActivityPub Basics

- 1. Common language ActivityStreams 2.0 Vocabulary
- 2. Standardized protocol

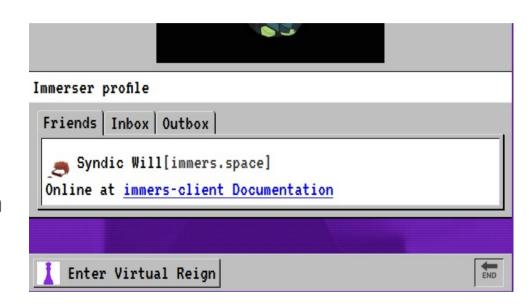


actor sends messages / posts content outside world can read messages from actor



Location

- "Arrive" and "Leave" standard activity types
- ❖ Include URL with room id
- Fetch list of friends' most recent Arrive/Leave activity = friends list with link to join them anywhere in the metaverse
- Future expansions:
 - "Invite" actively request specific friends join you in an experience





- "Add" / "Remove" activities and "Model" objects
- Collect avatars and other items from immers your visit
- Build up a persistent collection of owned items that you can use in any immer

Featured

My Avatars

Newest







Alice Avie 2



Alice Avie 4

Virtual Reign



VR Custom Avat... ☑Virtual Reign



Bot Classic Blue



Foxr ☑immers.space



Cyber Syndic

Immers Space Use Cases

nice.freetreasures.shop

Verifiable digital collectibles without blockchain

Chessboxing

A metaverse-spanning game that starts as a chess game on <u>vreign.space</u> but transports you back and forth to the rhythm punching game Moonrider, using immers identity and messaging to keep track of game state

framevr.io

A non-libre professional social WebXR platform that uses Immers Space to provide friends lists and federated logins







Our Libre Software Business Model

- DisCO distributed cooperative model
 - > Owned equally and governed democratically by workers
 - We do contract metaverse design work to generate revenue
 - > The margins from that work fund the development of the Immers Space free software
- Platform cooperative model: <u>opencollective.com/immers-space</u>
 - We share the governance of our free software with the people using it
 - Optional monthly membership gives voting power
 - Our bylaws guarantee member rights:
 - Set development priorities
 - Can reject mergers/acquisitions
 - Can reject bylaws changes
- Protection from (hypothetical) investors
 - Investors barred from BOD / governance
 - > Limited investor dividends



Demo: connect a site to the metaverse with 1 line of code

Follow along: https://infinite-worlds.glitch.me/

Source: https://glitch.com/edit/#!/infinite-worlds

