

Zupass is...

- How you checked in at Devcon
- How you collected frogs and claimed frog hats.
- How you voted for the hackathon winners at ETH Berlin
- How you proved you attended Zuzalu-ecosystem events in Gitcoin

Zupass also helped you to:

- Ask speaker questions and give feedback for talks
- Post anon messages at Zuzalu, ZuConnect, and Devconnect
- Provide anonymous clinical data in a decentralized trial at ZuConnect
- Prove your Strava history at Edge Esmeralda

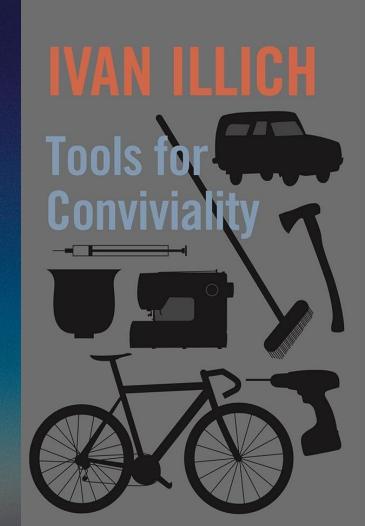


Conviviality

Literally "living together"

Meaning in English is also conveys "friendliness, agreeability"

Convivial technology enables friendly interactions within communities



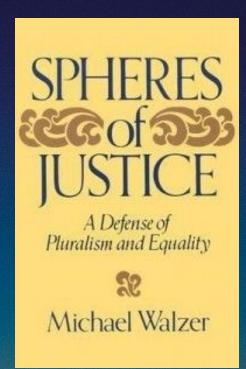
Who am I? Who are we?

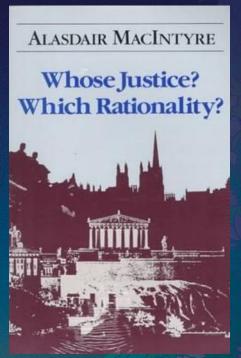
It depends on who is asking!

I am a different person to my friends, my colleagues, my family, the government.

Decentralization isn't just about data, it's about structure and logic.

Different traditions and communities have incommensurably different ideas.





Spheres of Justice by Michael Walzer

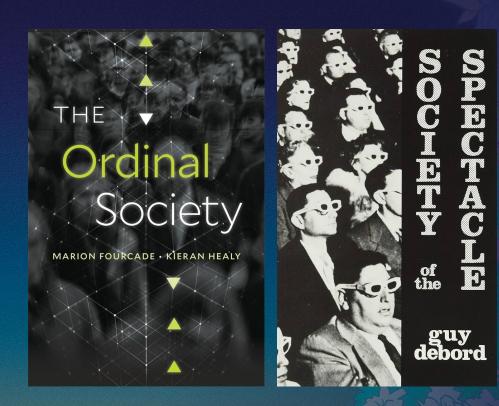
Whose Justice? Which Rationality? By Alasdair Macintyre

Order-givers and order-takers

People at the top give orders, and make order.

People at the bottom take orders and receive order.

Computers work by imposing order on messy reality.



Society of the Spectacle by Guy Debord

The Ordinal Society by Marion Fourcade and Kieran Healy



POD, GPC, and Z API

POD = Provable Object Data (sometimes the 'P' stands for 'Portable')

GPC = General Purpose Circuits

Z API = Embed Zupass in your app



PODs let you create your own structures

PODs let you define arbitrary data structures.

You can share these structures with other people, letting them make the same kind of POD.

PODs can be freely shared without any central API.

```
export const FrogSpec = p.entries({
  pod_type: {
    type: "string",
    isMemberOf: [{ type: "string", value:
POD_TYPE_FROGCRYPTO_FROG }],
  name: { type: "string" },
  description: { type: "string" },
  imageUrl: { type: "string" },
  frogId: { type: "int", inRange: { min: 0n,
max: POD_INT_MAX } },
  biome: { type: "int", inRange:
enumToRange(Biome) },
  rarity: { type: "int", inRange:
enumToRange(Rarity) },
  temperament: { type: "int", inRange:
enumToRange(Temperament) },
  jump: { type: "int" },
  speed: { type: "int" },
  intelligence: { type: "int" },
  beauty: { type: "int" },
  timestampSigned: { type: "int" },
  owner: { type: "cryptographic", isOwnerID:
true }.
  ownerPubKey: { type: "optional", innerType:
{ type: "eddsa_pubkey" } },
});
```

GPCs let you create your own logic

GPCs let you build zero-knowledge proof from configurable building-blocks.

Ask for the proof that you need, not what someone else thinks you need.

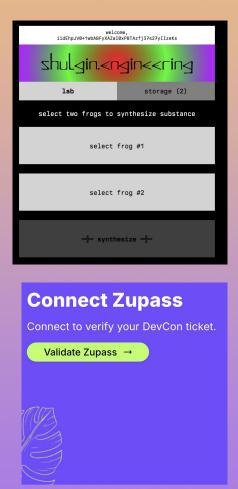
GPCs can take in any kind of POD, or multiple PODs.

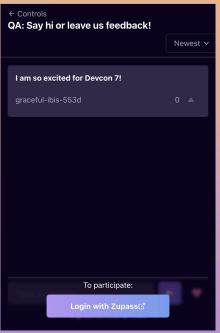
```
const result = await z.gpc.prove({
       request: {
         pods: {
           FROGCRYPTO: {
             pod: {
               entries:
entriesToProve,
             revealed: {
               beauty: true,
               jump: true,
               speed: true,
               forgId: true,
               name: true,
               biome: true,
               owner: true,
               intelligence: true,
```

Z API: build your own app

The Z API provides an integration with **Zupass**, which gives your app:

- a pre-built POD store with end-to-end encrypted synchronization
- management of cryptographic keys and identity
 - UI primitives for zero-knowledge proofs







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