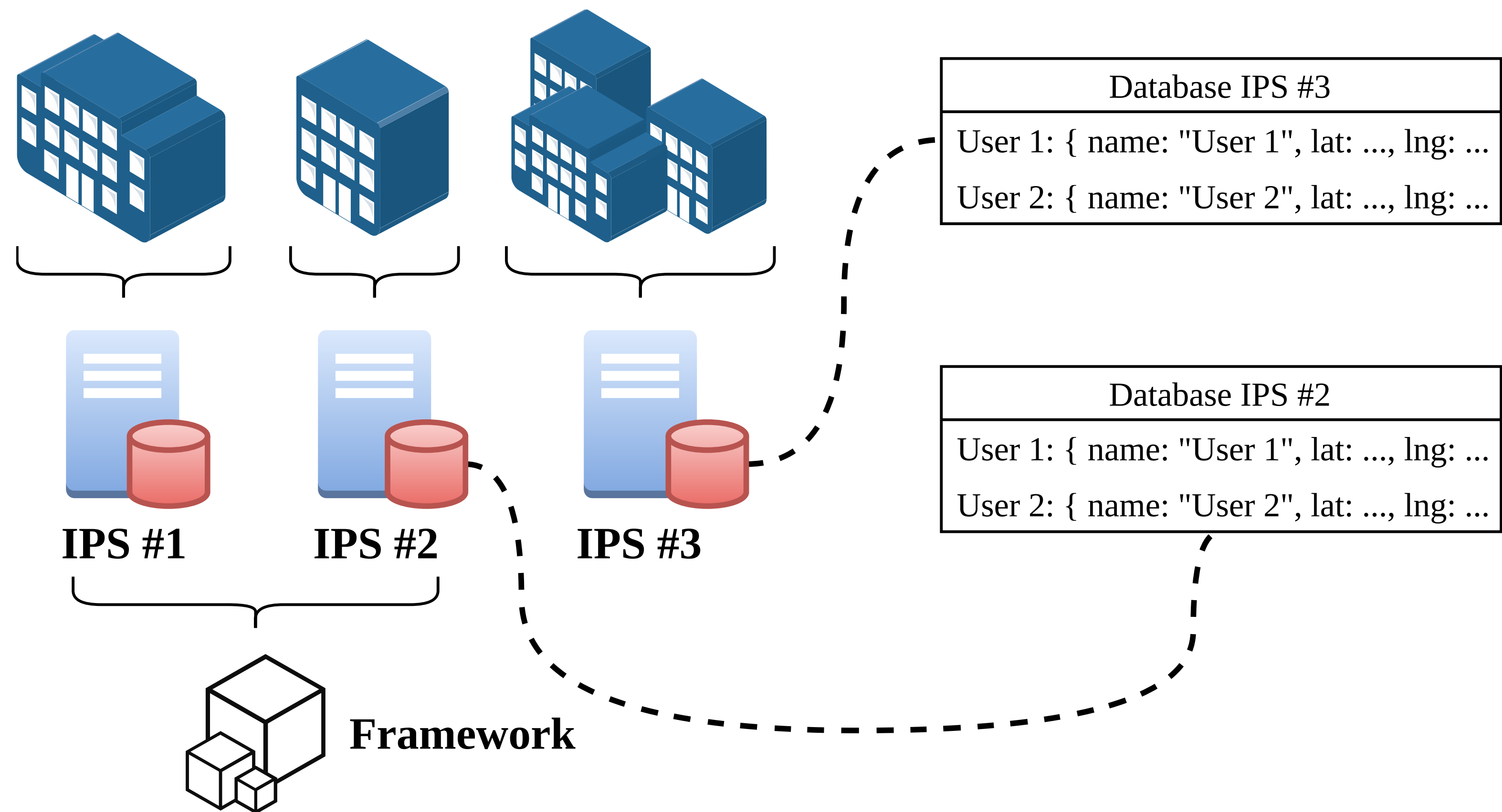# A Solid-based Architecture for Decentralised Interoperable Location Data

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Web & Information Systems Engineering Lab
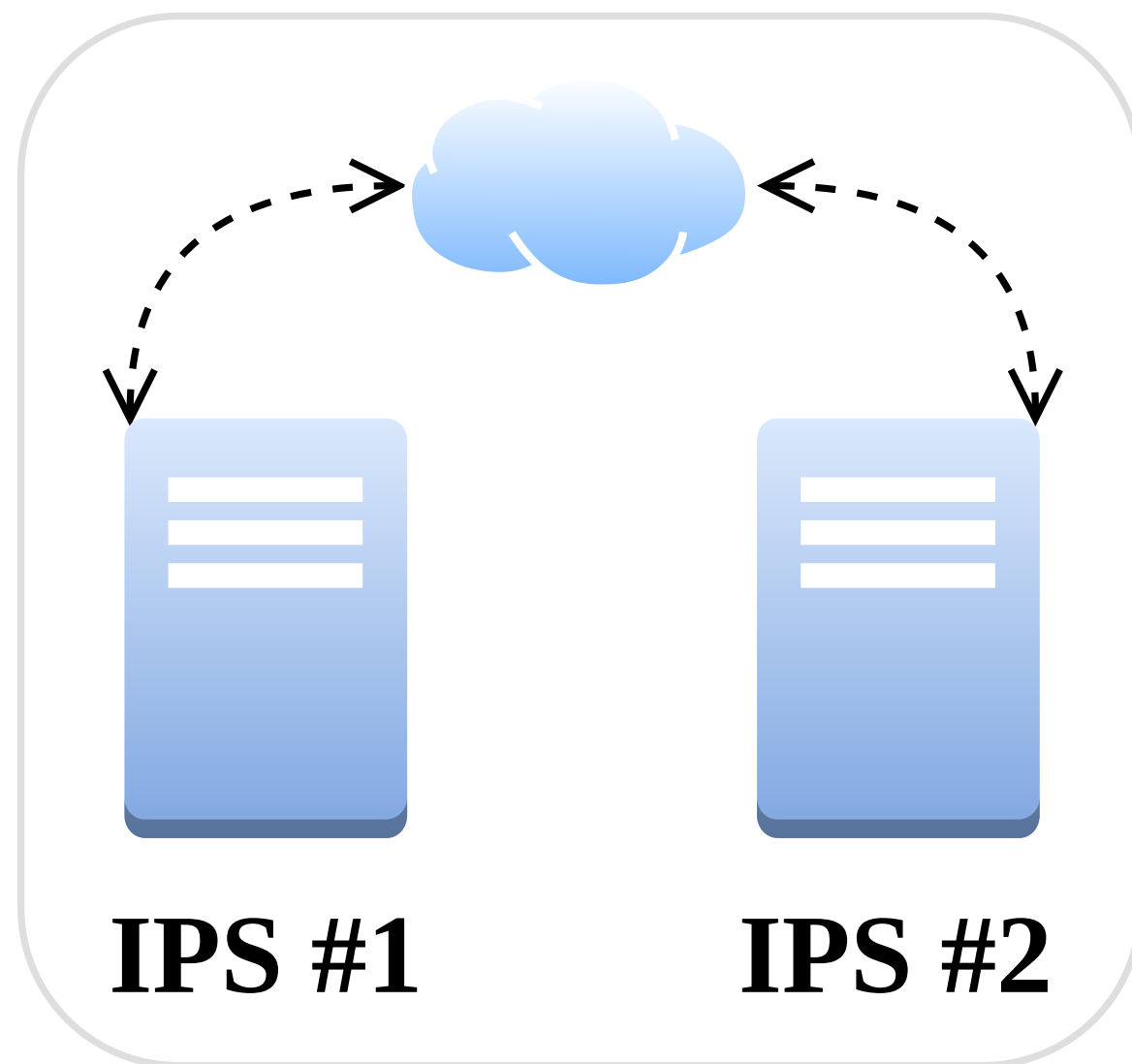*Vrije Universiteit Brussel*

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WISE WEB & INFORMATION SYSTEMS ENGINEERING

Current indoor positioning systems (IPS)

Database IPS #3

| User 1: { name: "User 1", lat: ..., lng: ... |
| User 2: { name: "User 2", lat: ..., lng: ... |

Database IPS #2

| User 1: { name: "User 1", lat: ..., lng: ... |
| User 2: { name: "User 2", lat: ..., lng: ... |

IPS #1 **IPS #2** **IPS #3**

Framework

Problems with current IPS'

1. Users not in **control** of their **data**
2. No **interoperability** between positioning **systems**
3. No **interoperability** between (navigation) **applications**

Interoperability of positioning systems

Accessibility

IPS #1   IPS #2

Readability

Understandability

What is Solid?