THE ROLE OF OPEN INFRASTRUCTURE IN DIGITAL SOVEREIGNTY

HELLO!

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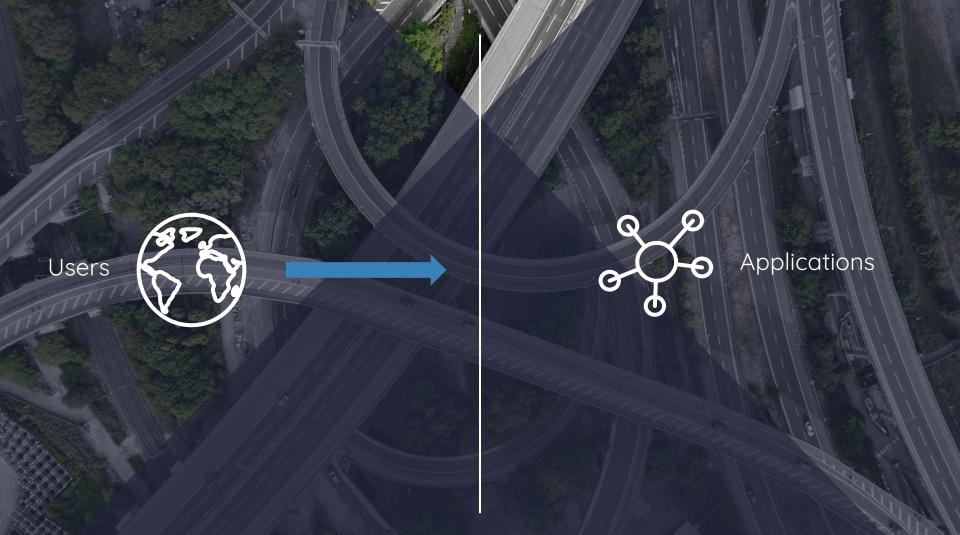
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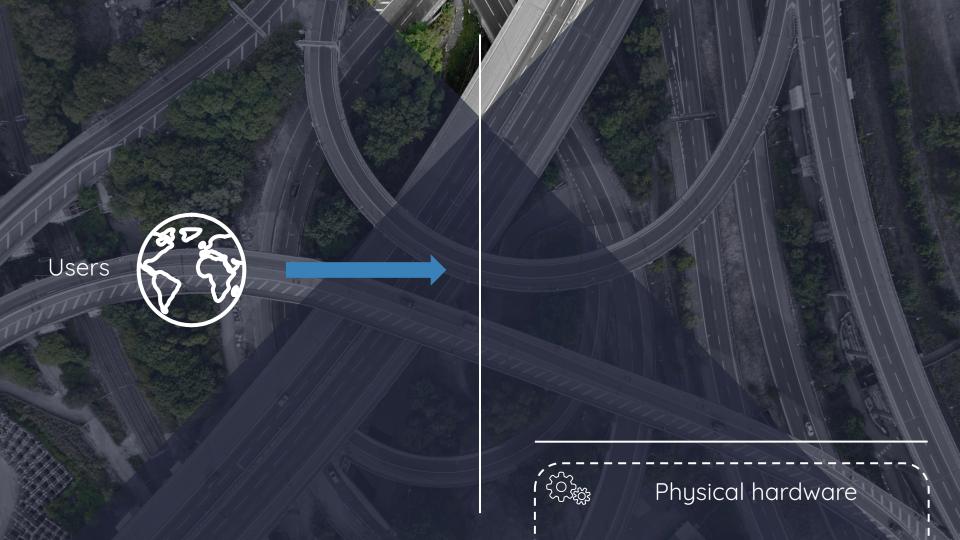
DIGITAL SOVEREIGNTY WHY IT MATTERS, AND HOW TO ENABLE IT



- Disrupt or be disrupted







Application developers & deployers





Users



Application developers & deployers



Hardware virtualization

 \mathcal{SS}



Application developers & deployers



laaS APIs

SS

Hardware virtualization



Cloud-aware applications Users

Programmable infrastructure

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- Hyperscale clouds are American or Chinese



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- How to control access to it?
- How to reduce our geopolitical vulnerability?
- How to enforce progressive privacy laws?
- How to tap into a vibrant ecosystem with no giant?

INITIAL RESPONSE

→ Mandating locally-operated systems

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- → Describing and cataloguing service properties (Gaia-X)

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- Mandating locally-operated systems
- → Describing and cataloguing service properties (Gaia-X)
- → Those were all easily co-opted by hyperscalers

OPEN INFRASTRUCTURE WHAT IT IS, AND WHY IT CAN HELP

Cloud-aware applications



Users

Programmable infrastructure

Cloud-aware applications



Users

Programmable infrastructure



Application deployment APIs

laaS APIs

Hardware virtualization





Application deployment APIs

laaS APIs

Physical hardware

Linux



Application deployment APIs

OpenStack



Linux





Kubernetes

OpenStack



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Linux





LOKI

Kubernetes

OpenStack



Linux



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MAKING INFRASTRUCTURE TECHNOLOGY ACCESSIBLE TO ALL

PERMISSIONLESS INNOVATION

INDEPENDENCE

TRANSPARENCY

INTEROPERABILITY

F

ETE



Standardized LOKI stack

→ Standardized LOKI stack

Enabling a federation of interoperable providers

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→ Sharing operational choices

- → Standardized LOKI stack
- → Enabling a federation of interoperable providers
- → Sharing operational choices
- → Openly developed open source

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- OpenInfra enables independence, transparency and interoperability
- Have a look at OpenInfra-powered providers and Sovereign Cloud Stack

THANKS!

Learn more at: https://openinfra.dev https://scs.community

Questions?

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