sovereign cloud stack
and
open services cloud
- a powerful couple

Swaroop and Alexander

Budapest, 3rd June 2024

Sovereign Cloud Stack

Agenda:

1. Digital Sovereignity
2. SCS and its mission
3. Project Outcomes
4. SCS and OSC

Stages of digital sovereignty

Sovereign Cloud Stack

Competency

Ability to shape / modify

Choice / Interoperability

Legal Compliance

Open source guarantees

- Independency
- Interoperability
- Transparency

Three pillars

Sovereign Cloud Stack

1 Certifiable Standards

2 Reference Implementation

3 Open Operations

# SCS Certification levels

Sovereign Cloud Stack

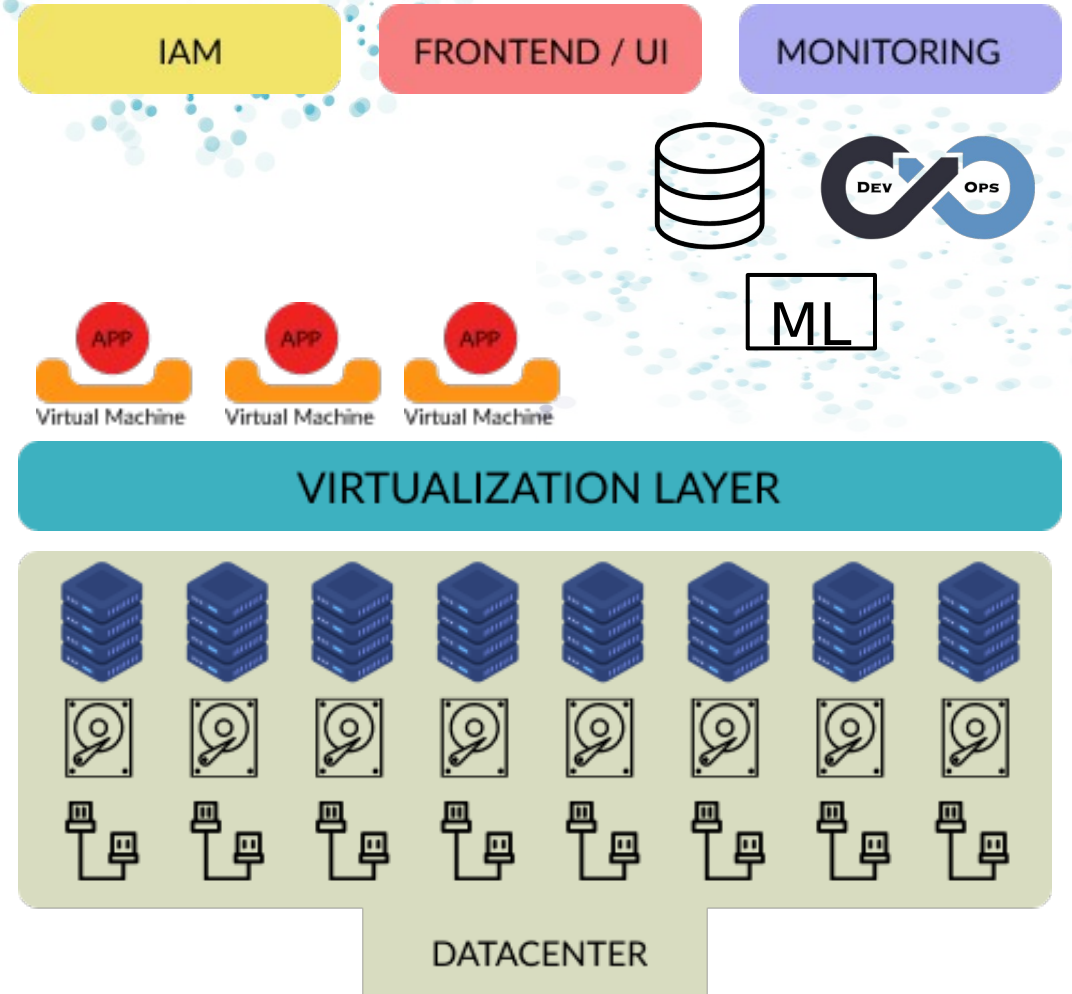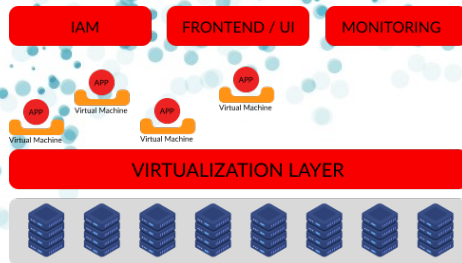| Levels of Digital Sovereignty	SCS Levels of Certifications
4: Operational Transparency and -knowledge available	4: "SCS-sovereign" – Ops/IAM Module OSS too
3: Technogical Transparency and ability to share and influence	3: "SCS-open" – SBOM of functions available and complete OSS (4 x open)
2: Free provider choice in-and-out-sourcing (on-prem/public)	2: "SCS-compatible" – Technical compatible
1: Following legal requirements (GDPR)	1: None (rely on ENISA / Gaia-X labels / Law)

Upstream first

Cloud Computing
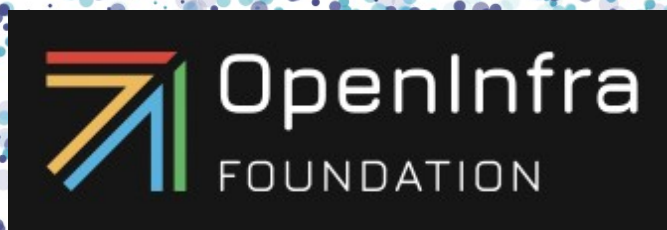
Digital Sovereignity on Cloud Computing

Sovereign Cloud Stack

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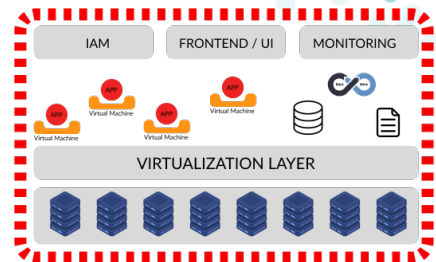
Non standardized OS Stack

Proprietary Stack

Hyperscaler

A community of hyperscalers

Sovereign Cloud Stack
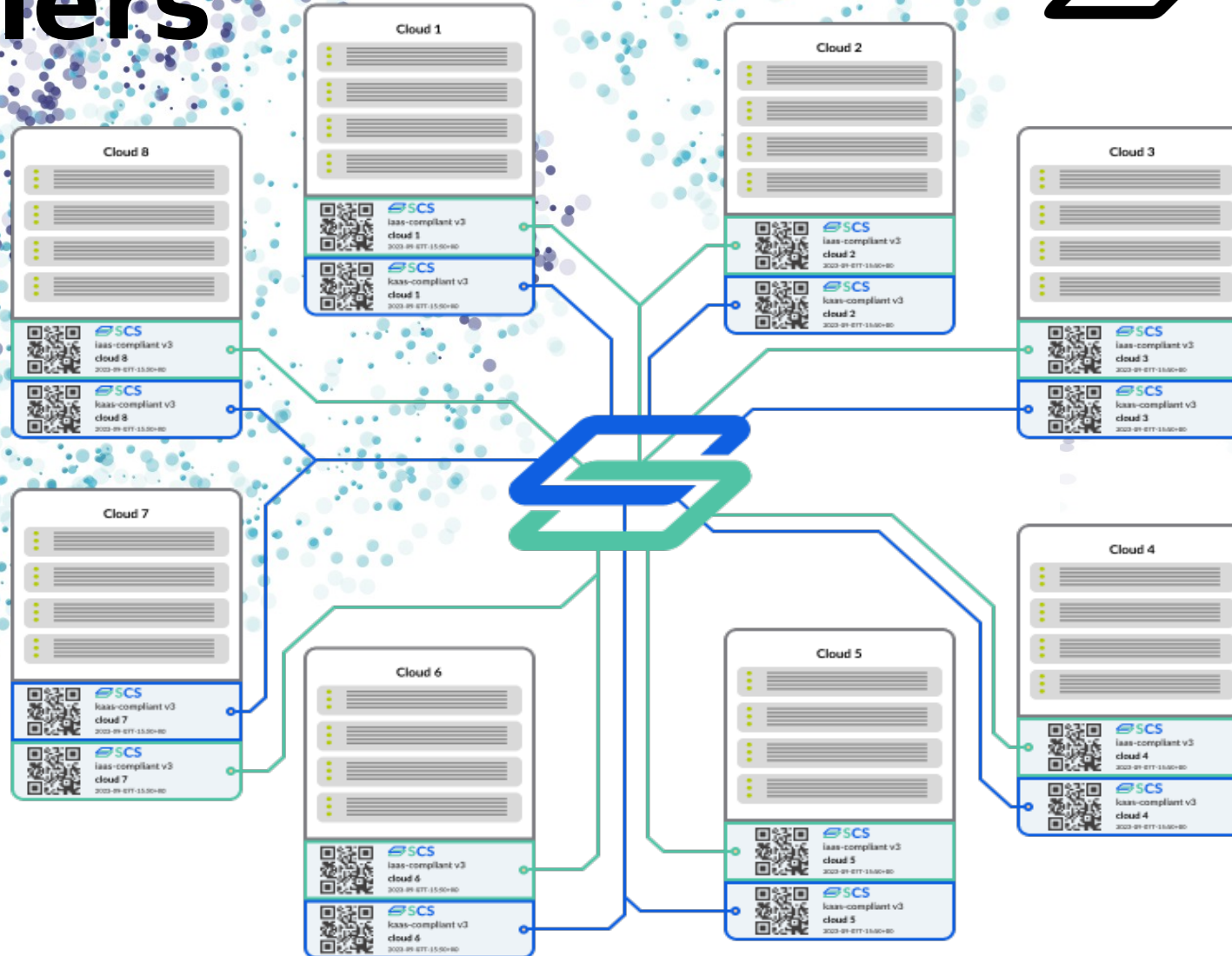
SCS and OSC

OSC : Standardized Services Platform

SCS : Standardized Infrastructure Platform

A standardization for service deployment and operation on a standardized infrastructure will form a very stable and reliable platform:

- For an SCS Cloud Service Operator : OSC can be platform to build an app store on

- For an app provider : OSC can be a platform to deploy to a variety of cloud providers