



What's Next for Open Source?

Workshops for Building Solutions with Open Innovation.



What's Next for Open Source?
Workshops for Building Solutions with Open Innovation.

OpenDesk on SCS: A digitally sovereign workplace for public administration

Alexander Smolianitski (ZenDiS)

Kurt Garloff (SCS @ OSB Alliance)

July 11, 2024 - New York City, NY, USA



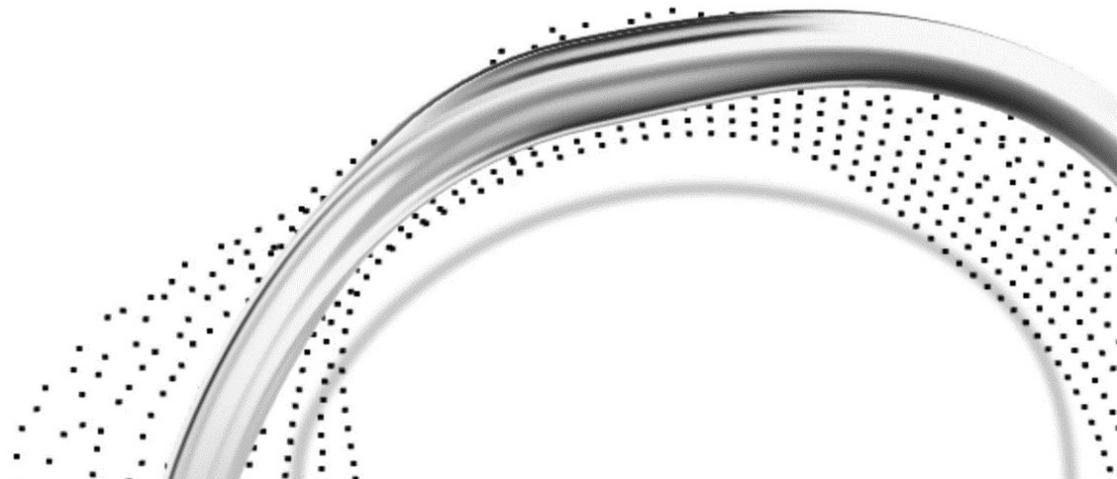
openDesk

Alex Smolianitski

Alexander.Smolianitski@zendis.c

**Zentrum
Digitale
Souveränität**

IT is a public good





openDesk **integrates proven open source applications**, jointly delivering support for daily tasks at the workplace:

Text processing,
spreadsheets and
presentations

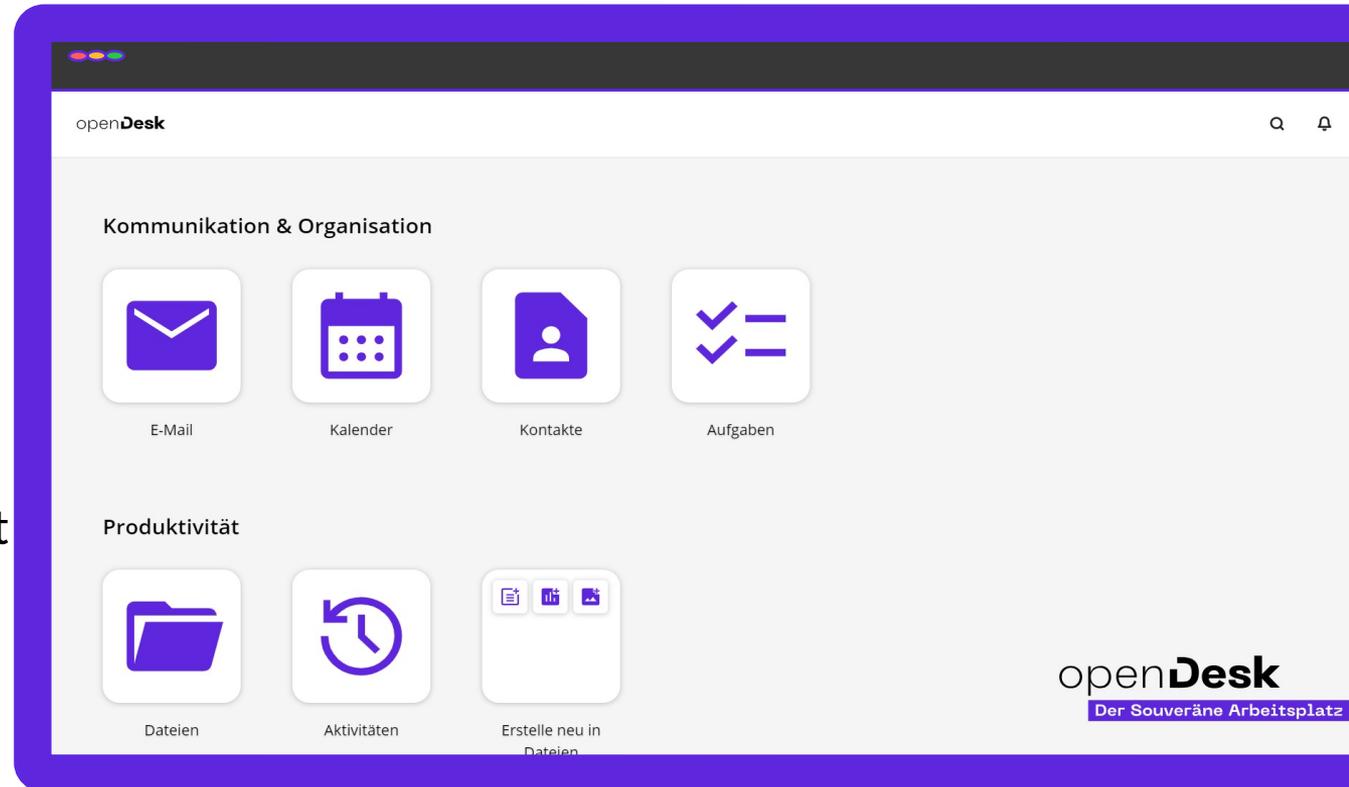
Email and Calendar

Project Management

Knowledge Management

Video and Phone
Conferences

Messaging / Chat



OpenDesk: Advantages at a glance



Leveraging Open Source



Open Standards and Interfaces



Modularity, Replacability, Interoperability



Operator independence



IT-Security



Component Integration



Support mobile devices



Barrier free (A11y)



Consistent Look & Feel



Single Sign-on



Web UI



Customizable Design

Productivity

Collaboration

Communication

OpenDesk: Flexible deployment



openDesk Community Edition

- Available on Open CoDE
- Own installation

Self-operated



openDesk Enterprise

- SLA & Support
- Enterprise Features

Self-operated or SaaS



openDesk Secure

- Classified Workplace
- SLA & Support
- Enterprise Features



openDesk Confidential Cloud

- Security Layer in a Public Cloud
- SLA & Support
- Enterprise Features

Hyperscaler



Pilot operations

Since April, first administrations have access to pilot environment



Engineering

Address user feedback, add features & improv UI



Product Launch (v1)

In Q4/24 first production environments will be provided with the enterprise version



Supported by:



on the basis of a decision
by the German Bundestag



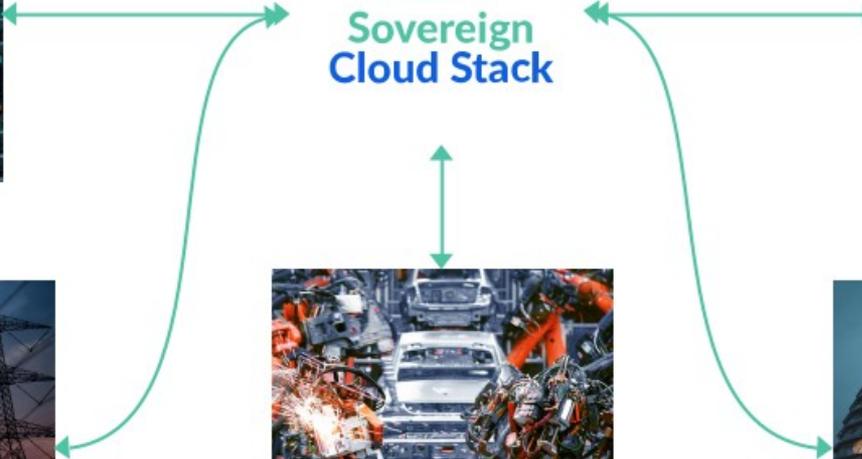
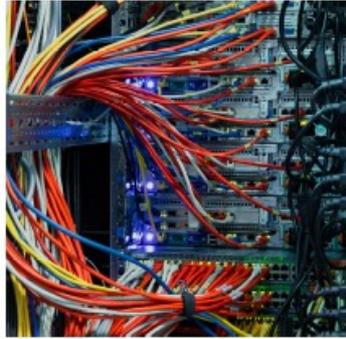
Sovereign Cloud Stack

Kurt Garloff

garloff@osb-alliance.com

Sovereign Cloud Stack Mission

Open and federated infrastructure for industry, science, and administration



Sovereign Cloud Stack Deliverables



1

Certifiable Standards



2

Modular Open Source
Reference Implementation



3

Accessible operational
knowledge



Levels of digital sovereignty

4: Operational Transparency and accessible Knowledge (Skill building)

3: Technological Transparency and ability to contribute and shape

2: Choice between many operators, insourcing option (on-premise)

1: Compliance with regulation (GDPR)



SCS Certification Level

4: “SCS-sovereign” – Ops/IAM stacks are OSS; transparency on monitoring and incidents, contribution to Open Operations (5 Opens)

3: “SCS-open” – SBOM for functional stack available and fully OSS (4 Opens)

2: “SCS-compatible” – technical compatibility (conformity tests from CNCF, OIF, SCS)

1: (Not SCS-specific): ENISA/Gaia-X labels & legal rules



- Introduction
- Certification ▼
 - Scopes and Versions ▼
 - SCS Compatible IaaS
 - SCS Compatible KaaS
 - Standards** ▼
 - Global ▼
 - scs-0001 >
 - scs-0002 >
 - scs-0003 >
 - scs-0004 >
 - scs-0112 >
 - IaaS ▼
 - scs-0100 >
 - scs-0101 >
 - scs-0102 >
 - scs-0103 >
 - scs-0104 >
 - scs-0110 >
 - scs-0111 >
 - KaaS ▼
 - scs-0200 >
 - scs-0210 >
 - scs-0211 >
 - scs-0212 >
 - scs-0213 >

Overview

Standards are the core deliverable of SCS. By standardizing the open source software components of a cloud computing stack, their versions, how they are to be configured, deployed and utilized, SCS guarantees the reproducibility of a certain behavior of this technology.

SCS standards are discussed, developed and maintained in the community by the corresponding teams (see Track in the table below), which naturally include existing users of SCS.

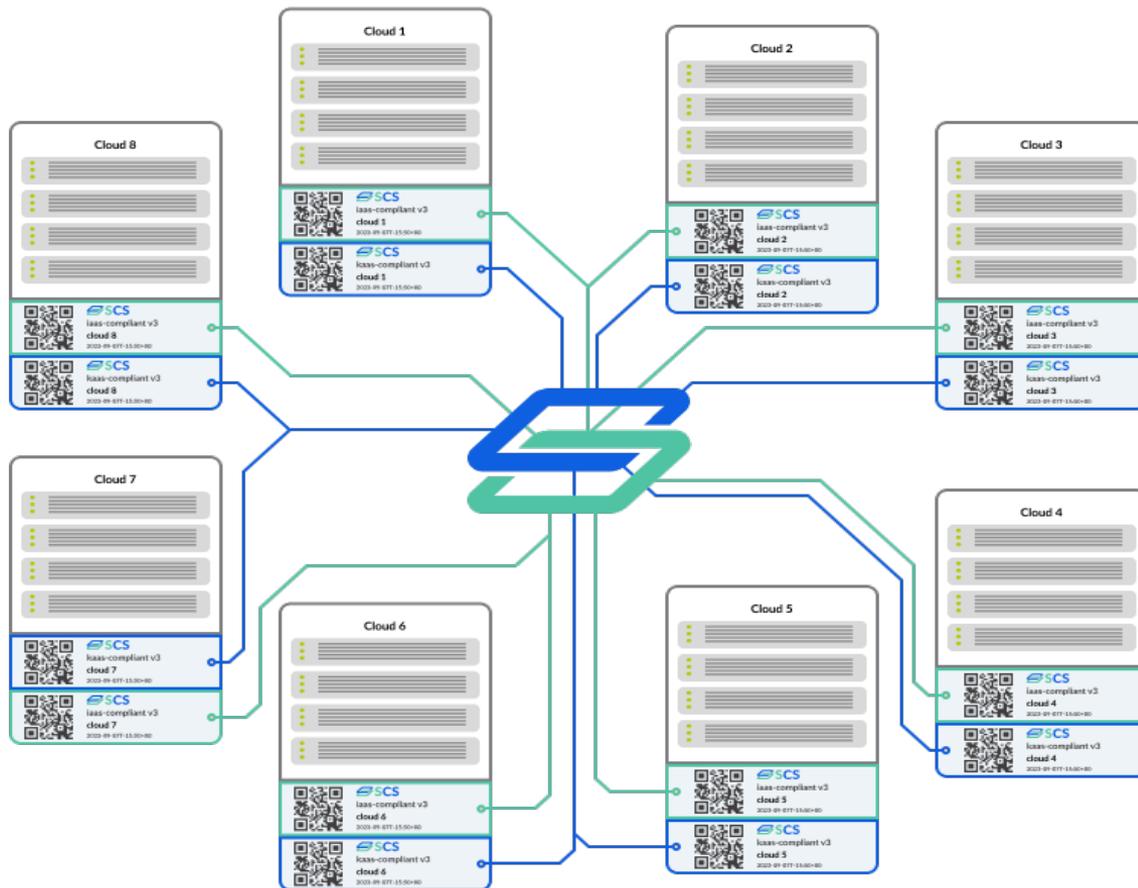
*Legend to the column headings: Draft, Stable (but not effective), Effective, Deprecated (and no longer effective).

| Standard | Track | Description | Draft | Stable* | Effective | Deprecated* |
|--------------------------|--------|--|-------|---------|-----------|-------------|
| scs-0001 | Global | Sovereign Cloud Standards | - | - | v1 | - |
| scs-0002 | Global | Standards, Docs and Organisation | v2 | - | v1 | - |
| scs-0003 | Global | Sovereign Cloud Standards YAML | v1 | - | - | - |
| scs-0004 | Global | Regulations for achieving SCS-compatible certification | v1 | - | - | - |
| scs-0112 | Global | SONiC Support in SCS | v1 | - | - | - |
| scs-0100 | IaaS | SCS Flavor Naming Standard | - | - | v3 | v1, v2 |
| | | Supplement: Implementation and Testing Notes | w1 | - | - | - |
| scs-0101 | IaaS | SCS Entropy | - | - | v1 | - |
| | | Supplement: Implementation and Testing Notes | w1 | - | - | - |
| scs-0102 | IaaS | SCS Image Metadata Standard | - | - | v1 | - |
| scs-0103 | IaaS | SCS Standard Flavors and Properties | - | - | v1 | - |

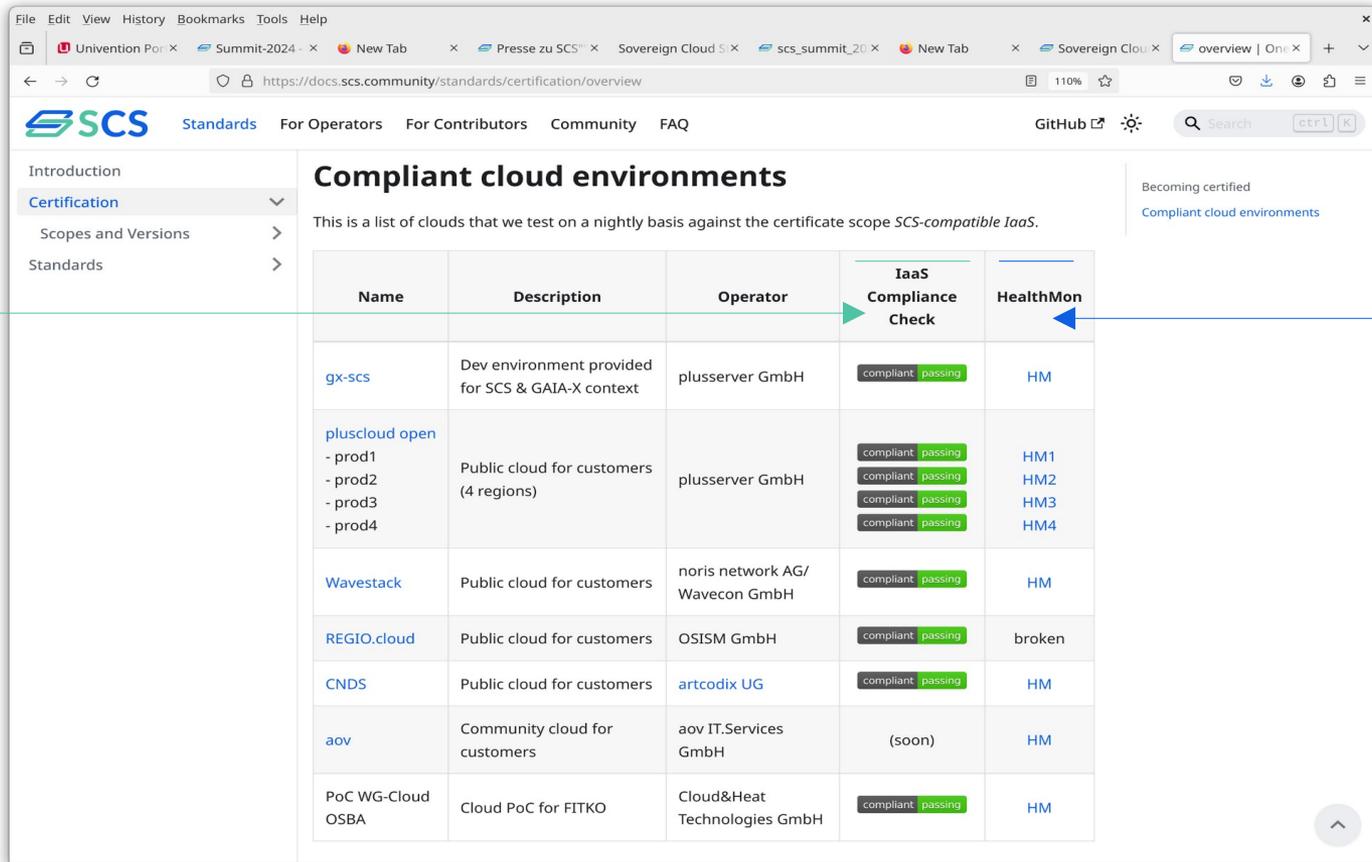
SCS = an open, federated, virtual Hyperscaler



What's Next for Open Source?
Workshops for Building Solutions with Open Innovation.



Standard conformity and transparency



The screenshot shows a web browser displaying the SCS Standards website. The page title is "Compliant cloud environments". Below the title, there is a text block: "This is a list of clouds that we test on a nightly basis against the certificate scope SCS-compatible IaaS." To the right of this text is a link: "Becoming certified Compliant cloud environments". Below the text is a table with the following columns: "Name", "Description", "Operator", "IaaS Compliance Check", and "HealthMon". The table contains several rows of data, including "gx-scs", "pluscloud open", "Wavestack", "REGIO.cloud", "CNDS", "aov", and "PoC WG-Cloud OSBA".

| Name | Description | Operator | IaaS Compliance Check | HealthMon |
|-----------------------------------|---|-----------------------------------|--------------------------------|-----------|
| gx-scs | Dev environment provided for SCS & GAIA-X context | plusserver GmbH | compliant passing | HM |
| pluscloud open | Public cloud for customers (4 regions) | plusserver GmbH | compliant passing | HM1 |
| - prod1 | | | compliant passing | HM2 |
| - prod2 | | | compliant passing | HM3 |
| - prod3 | | | compliant passing | HM4 |
| Wavestack | Public cloud for customers | noris network AG/ Wavecon GmbH | compliant passing | HM |
| REGIO.cloud | Public cloud for customers | OSISM GmbH | compliant passing | broken |
| CNDS | Public cloud for customers | artcodix UG | compliant passing | HM |
| aov | Community cloud for customers | aov IT.Services GmbH | (soon) | HM |
| PoC WG-Cloud OSBA | Cloud PoC for FITKO | Cloud&Heat Technologies GmbH | compliant passing | HM |

Daily updated standard conformity result (here: IaaS SCS-compatible)

OpenStack Health Monitor dashboard: Public realtime monitoring of errors and performance

Adoption by SCS partners

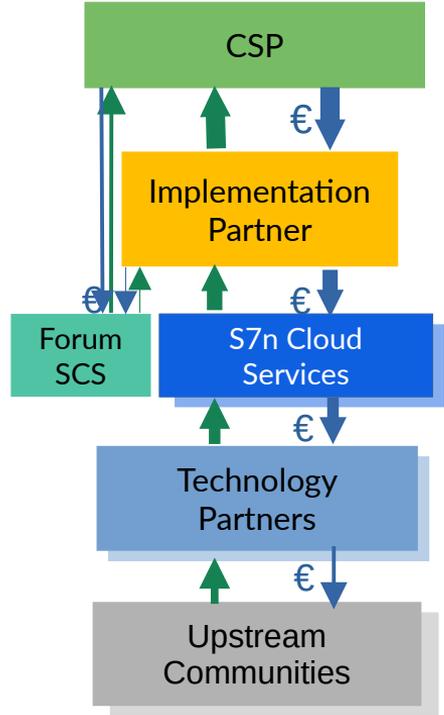
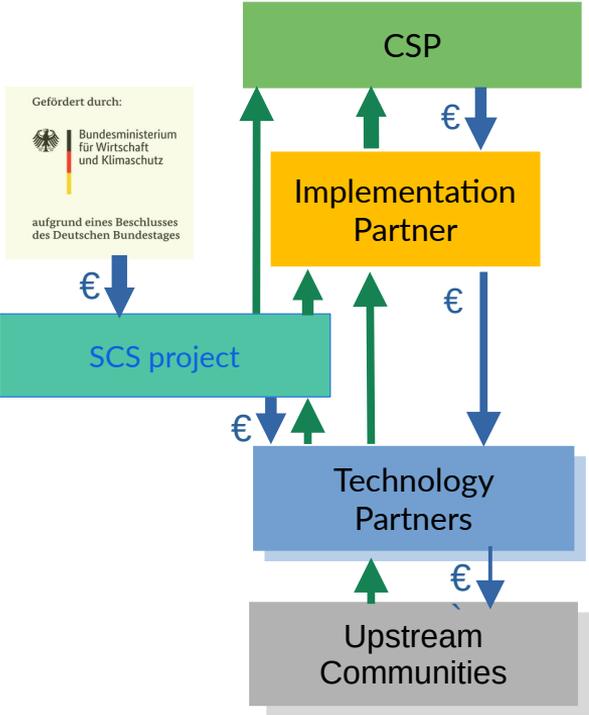


From public funding to private funding

2024



2025



Services:

- Standards
- Knowledge
- Software
- Maintenance
- Support
- Marketing
- Lobbying



Flexible, secure,
digitally sovereign office
collaboration solution

Standardized, secure,
digitally sovereign
infrastructure