

Travel Guide Sovereign Cloud Stack

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aufgrund eines Beschlusses
des Deutschen Bundestages

We're Open!

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Four Opens

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Open source

Open Design

Open Development

Open Community

Weekly meetings



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	Sun 12/19/2021	Mon 12/20/2021	Tue 12/21/2021	Wed 12/22/2021	Thu 12/23/2021	Fri 12/24/2021
☰						
All day						
6am						
7am						
8am						
9am						
10am						10:00 AM - 11:00 AM SCS - SIG IAM
11am						
12pm						12:00 PM - 1:00 PM SCS - Monitoring SIG
1pm			1:00 PM - 2:00 PM Metering Meetup			
2pm		2:00 PM - 2:55 PM Team 3: Weekly Sprint Review/P...				
3pm		3:00 PM - 3:55 PM Team 1: Weekly Sprint Review/P...			3:00 PM - 3:45 PM	
4pm		4:00 PM - 4:55 PM Team 2: Weekly Sprint Review/P...			3:45 PM - 4:00 PM - Weekly SCS Lightnin	
5pm						
6pm						

Community Collaboration Infrastructure

- Nextcloud
- Mailman 3 (Don't forget to subscribe to our newsletter!)
- Wekan
- Jitsi Meet
- Matrix
- GitHub

Wekan / Agile Project Management



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The screenshot displays a Wekan Kanban board with the following columns and tasks:

- Unsorted:**
 - Solve MTU problems with OpenStack based clouds (1 comment, -3 votes, assigned to JH, MF)
 - OVN discussion (1 comment, -2 votes, assigned to KG, MF)
 - Epic:** Deployment automation (0/3 progress, -1 vote, assigned to CB)
 - Deployment automation: Provide Zuul as service (2 comments, 2.5 votes, assigned to CB)
 - Define multi-AZ naming and setup (2 comments, 10 votes, assigned to MF)
 - Define multi-region setups (11 votes, assigned to MF)
 - Deployment automation: Create tests for ironic (12 votes, assigned to MF)
 - Encryption for tenant networks (13 votes, assigned to CB, MF)
- Backlog:**
 - Deployment automation: Provision control plane (7 votes, assigned to CB)
 - Longterm:** Build process replacement docker build -> buildah (7/1/2022 27, 1 comment, 8 votes, assigned to CB)
- Refined Stories:** (Empty)
- Blocked / On hold:**
 - Define / Build own SCS images (2 comments, 0 votes, assigned to RH, MF)
 - TLS encryption for services (memcached) (1 comment, 1 vote, assigned to CB)
 - TLS encryption for all services (1 comment, 0/1 progress, 0/1 votes, 2 votes, assigned to KG)
- Doing:**
 - Disk encryption (1/10/2022 3, 4 comments, 1/3 progress, 0 votes, assigned to CB, MF)
 - Continue Bare Metal automation (11/29/2021 49, 5 comments, 0.5 votes, assigned to CB)
 - bifrost demo (12/9/2021 50, 1 comment, 1 vote, assigned to KG, BM)
 - netbox as main driver for provisioning hardware (0/5 progress, 1.5 votes, assigned to KG, CB)
 - Enable TLS in testbed (7 comments, 1/3 progress, 2 votes, assigned to KG, CB)
 - Convert all secret management to vault (0/3 progress, 2.5 votes, assigned to KG)
 - Upstream Collaboration:** Bring osism/kolla-ansible upstream (4 comments, 0/3 progress, 0/1 votes, 3.25 votes, assigned to JH)
- Done:**
 - nexus (sonatype) for air-gapped installs (-2 votes, assigned to KG)
 - Testbed deployment more aligned with BareMetal deployment (and speed up). (-1 vote, assigned to KG)
 - Evaluate terraform alternatives (4 comments, 0 votes, assigned to TB)
 - vBMC in testbed (1 comment, 1 vote, assigned to CB)
 - BareMetal deployment preseed -> autoinstall (2 votes, assigned to KG)
 - radosgw dashboard (3 votes, assigned to KG)
 - Testbed network setup simplification (4 votes, assigned to KG, CB)

Open Source & Open Operations



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The screenshot shows the GitHub profile for Sovereign Cloud Stack (SCS). The profile header includes the SCS logo, the name "Sovereign Cloud Stack (SCS)", and a description: "Modular Open Source Software Stack to provide Infra Mgmt, IaaS, CaaS, KaaS, PaaS. Standard implementation for GAIA-X nodes & services. Check Docs repo!". It also lists the location as Köln, Germany, the website URL as https://scs.community/, and the email as project@scs.sovereignit.de.

The navigation bar shows "Overview" (selected), "Repositories" (52), "Packages", "People" (22), "Teams" (1), and "Projects".

The "Pinned" section features a "Docs" repository, described as the "Entry point for SCS Docs", with 12 stars and 8 forks.

The "Repositories" section lists three repositories:

- website** (Public): "Base content for scs.community", 2 stars, 6 forks, 2 issues need help, updated 16 hours ago.
- openstack-health-monitor** (Public): "Script to monitor whether an OpenStack cloud is working correctly", 6 stars, 2 forks, 3 issues, updated 2 days ago.
- k8s-cluster-api-provider** (Public): "Automation to use the OpenStack Kubernetes API Provider on SCS", 4 stars, 0 forks, 5 issues, updated 7 days ago.

The "People" section displays a grid of 15 profile pictures and a "View all" link.

The "Top languages" section shows: Shell (green), Python (blue), HCL (grey), Makefile (light green), and SCSS (pink).

The "Most used topics" section includes: openstack-environment, gaia-x, openstack, python3, and scs-production-low.

Great! How can I join

- 1) Get in touch with us and let us discuss how you can contribute to the project**
- 2) We'll schedule an follow-up onboarding call**
- 3) You'll get access to our collaboration infrastructure**
- 4) Join our meetings, participate in discussions, contribute knowledge or code and keep in touch with the community!**

We're online!





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Sovereign Cloud Stack (SCS) is federated cloud technology built entirely with Open Source Software — putting users and providers in control.



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Why yet another cloud stack?

Only Open Source guarantees digital sovereignty by interoperability, transparency and independence from unlawful claims of third parties and thus from any unauthorised interference.

By using the modular SCS Software stack, cloud providers can offer state-of-the-art Infrastructure-as-a-Service and Container-as-a-Service while being fully compliant with European data protection and security standards without depending on other vendors.

SCS is using and standardizing existing and proven Open Source components such as e.g. Kubernetes and does extend them where required. Federated cloud services are enabled this way, and users can leverage distributed cloud services from several SCS operators. European companies thus have options all the way from running it themselves to using one or several service providers and thus have 100% freedom of choice avoiding lock-in effects and dependencies on providers from foreign jurisdictions.

By sharing and documenting best practices for operating such cloud stacks, the difficulty to provide high quality cloud services internally or publicly is vastly reduced.

Our target: Anyone can benefit from the SCS software stack by using it – and by contributing to the open source code, one will increase the value of [Gaia-X](#).

[Learn more about SCS »](#)

<https://scs.community>

