

Sovereign Cloud Stack

Open Source Cloud & Container Stack for Gaia-X

Infrastructure for Gaia-X Hackathon #1

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Infrastructure for the G-X Hackathon #1

Sovereign Cloud Stack has SCS environments for supporting testing, demos, development ...

- VMs (OpenStack) => deploy dNation image, Ubuntu 20.04 (DeltaDAO) for Devs that can't work locally
- K8s clusters on-demand (<10min lead time)
 - 4 clusters created on Fri for preparation (DeltaDAO, dNation, 2xIAM)
 - Request via mail to hackathon@scs.sovereignit.de, [#gaia-x-hackathon-1-infra:matrix.org](https://twitter.com/gaia-x-hackathon-1-infra), Teams room
- K8s clusters as self-service ([k8s-cluster-api](#)) => Develop automation for cluster provisioning (via SDs / TOSCA?)
- You need to agree to [fair usage rules](#) and expect the environments to vanish after the event: See [wiki](#), follow CoC

Thank to the SCS partners!

- PlusServer vacating a large SCS test infrastructure for us – 100s of cores, up to 2TB RAM, TBs of storage
→ Many VMs, k8s Clusters. (Support by Mathias Fechner, Ralf Heiringhoff, Kurt Garloff, Eduard Itrich)
- BetaCloud (by OSISM GmbH) – SCS infrastructure
→ A few VMs, ~2 k8s clusters. (Support by Tim Beermann, Kurt, Eduard)
- StackHPC – OpenStack environment (test lab)
→ Access under clarification (IPv6 only)
- More partners still under clarification ...
- Infra outside of the SCS arrangements: C&H, IONOS, ...

plusserver



StackHPC



Infrastructure hacking goals:

- Update self-descriptions, validate mandatory attributes, amend?
- Automate deployments, try orchestration tools, TOSCA (Indigo, Mikado, Lightning, ...), ...
- Orchestrate infra management using k8s Cluster-API (via TOSCA?)
- ID Management integration
- Listen and learn, document learnings and feed into backlog

