2nd SIG-CISS meeting

11-12 April 2018

GÉANT Office

Amsterdam, Netherlands

The GÉANT SIG-CISS (Cloudy Interoperable Software Stacks) is proposed to be the successor of the long running TF-Storage task force of GÉANT with a wider scope extending from data storage to general cloud infrastructure software stacks, platforms and research workflows. The SIG brings together those who are building/operating R&E clouds and are willing to share strategy, design, deployment, performance optimization, application integration, interoperability, security and other related information, knowledge and best practices as well as participate in joint efforts aimed at addressing needs of academic environment related to building, operating, brokering cloud services and infrastructure and ensuring their interoperability.

Notes and Actions

Action Item	Comments
2.1 - Raise the profile and visibility of the GÉANT SIG-CISS/OSO joint group within the OpenStack Community. SIG-CISS/OSO is a grassroots, self-support, loosely connected group of individuals mostly using the same or similar software stack (CEPH+OpenStack+Kubernetes) for their cloud services platforms. Concrete actions: a) Register as a specific user group "SIG-CISS" at the OpenStack User Committee (use CERN and SWITCH as anchors) b) Ask for a generic template to collect information about cloud deployments and map them out in a nice visual format c) Investigate opportunities to develop a standard, IPv6 optimized, Ubuntu image with appropriate licenses to be shared across the community *Assigned to: Kalle Happonen, CSC*	Report at the next meeting (TNC18)
2.2 - Drop the idea of joining the OpenStack Passport programme due to administrative difficulties vs. tangible benefits. Preferred direction forward is in Action 2.1a).	No action is required! CLOSED
2.3 - *Follow up on Action 1.1 from the 1st SIG-CISS meeting:* Create a reusable, federated, distributed fabric on top of existing storage infrastructures with agreed common best practices and policies. Concrete actions: a) Try and establish multilateral agreements (aka. barter) of storing copies of replicated data in partners' clouds as the first step to a multi-region Amazon S3 alternative. b) Draft a 2-pager "specifications for a proof-of-concept" architecture; using the idea of distributed CEPH/RADOS gateways behind a central common front-end. *Assigned to: Jan Ivar Beddari*	Strawman document is being drafted.
2.4 - *Follow up to Action 1.3 from the 1st SIG-CISS meeting:* Reference architecture and implementation sandbox for OCM. Concrete actions: a) Ownership, IPR, processes and governance around the "OCM Group" - currently hosted by GÉANT and led by ownCloud, CERN and GÉANT - must be better formalized. Draft the idea using elements of the GÉANT Greenhouse Service. b) Working code is needed. Developments are currently on separate tracks: Nextcloud, CERNbox-PowerFolder, ownCloud. Convergence by TNC18! c) Global coordination of the OCM interoperability (i.e. policy), compliance (i.e. protocol) and operational aspects (i.e. central directory service) are needed. Peter to raise this within GÉANT the company. d) We need to identify use cases and drive real usage. Up2U project and the CERNbox-PowerFolder co-operations are promising. *Assigned to: Peter Szegedi, GÉANT and Guido Aben, AARNet*	Convergence by TNC18!
2.5 - EC liaison: Promote the SIG-CISS/OSO group towards the policy makers at the European Commission. Leverage the outcome of Action 2.1 and the actual usage of ownCloud by JRC and other Brussels agencies. *Assigned to Hendrik Ike, GÉANT*	

Some additional notes have been taken by the meeting attendees in

Etherpad: https://sandstorm.cloud.switch.ch/shared/-RxMROJLcUfz9WZO63IJJvEQC5asaDw4G_h4uw1Jf1g

Presentations   Agenda

List of attendees

Location

New GÉANT Association office in Amsterdam

Level 6

Hoekenrode 3

1102 BR Amsterdam-Zuid

See the travel directions here...

Wednesday, 11 April 2018

Time	Session
09.00-10.00	**Arrivals, greetings, coffee...**
10.00-10.30	**Introduction to SIG-CISS, agenda, logistics, AoB** SIG-CISS Steering Committee & Peter Szegedi, GÉANT
10.30-11.30	**Update on Open Stack Operators (OSO) group** Simon Leinen, SWITCH
11.30-12.30	**Web app that allows us to delegate administrative tasks to our customers** Jens-Christian Fischer, SWITCH
12.30-13.30	**Lunch**
13.30-14.30	**"Datalake" R+D project at CERN** Xavier Espinal, CERN-IT
14.30-15.30	**Federated storage across boundaries** *Discussion Session* **-** *Why don't we appear to customers as multi-region Amazon S3 (yet)* Maciej Brzezniak, PSNC, Guido Aben AARNet
15.30-16.00	**Coffee**
16.00-17.00	**SUPR Demo by SNIC** Ingemar Fällman, Umea University
17.00-18.00	**Open discussion** AoB

Around 19.00 – Joint social dinner...(pay your own food and drink) Here http://www.hoekenrode.nl/

Thursday, 12 April 2018

Time	Session
09.00-10.00	**OCM next version + testing sandbox** Peter Szegedi, GÉANT, at.al
10.00-10.30	**GLENNA2 update and ML infrastructure based on Kubernetes** Gurvinder Singh, UNINETT
10.30-11.00	**Coffee**
11.00-11.30	**Federated application containers for R&E cloud mobility** *Discussion Session* Chaired by Guido Aben, AARnet
11.30-12.00	**Where the clouds are going to go in GN4 Phase 3 for the next 5 years** Peter Szegedi, GÉANT, Andres Steijaert, SURFnet
12.00-12.30	**SURFnet taking the reseller role for GÉANT IaaS Framewrok** Frank Pinxt, SURFnet

12.30-13.30	**Lunch**
13.30-14.30	**Recognition of our sync&share movement by the European Commission + EOSC update** *Discussion Session* Hendrik Ike, GÉANT, et.al.
14.30-15.00	**Closing, wrap up, next meeting, AoB** SIG-CISS Steering Committee & Peter Szegedi, GÉANT