CNaaS Infoshare

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CNaaS Infoshare

04 May 2022

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CNaaS Infoshares

- October 2020: https://events.geant.org/e/CNaaS → Background, Challenges, Experiences, Service Definition

- April 2021: https://events.geant.org/e/CNaaSTools → Technical view: Tools to offer CNaaS: NMaaS, WiFiMon, NMS, Argus

- May 2022: https://events.geant.org/e/CNaaS-3/ → Lessons learnt, Best Practices and Use cases

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Agenda

13:00 → 13:15	**CNaaS In Norway – lessons learned after three years of operations**	

After three years of operations, the Norwegian NREN Sikt currently has 10 operational CNaaS customers. The service has been continuously developed and improved. After countless hours of hard work (read: fun) we have gained quite a bit of experience. This talk will elaborate on where we are now and what is next on our TODO. What are our ambitions for the future? Can the service scale indefinitely?

Convener: Vidar Faltinsen

13:15 → 13:30	**SUNET CNaaS experiences and tools Integrations**	

Our service has been running for some time now and adding large and small campuses is an on-going task. In this presentation, we share a bit on timeline and experiences. How has zero touch and automation of the infrastructure kept things centralized in a distributed organization? Which components are used? How do we collaborate and reuse tools?

Conveners: David Heed, Johan Marcusson

13:30 → 13:45	**Funet experiences with Kampus service**	

Overview of the service status and the use cases and experiences of running this type of services

Convener: Asko Hakala

13:45 → 14:00	**SURF Campus network as a Service**	

SURF is actively working on a pilot of a new customer service: SURFwired. This product will be placed alongside our current product SURFwireless under the umbrella concept called SURF Campus network as a Service. This presentation will be an overview of our portfolio concept and the pilot of the SURFwired service at SURF.

Convener: Peter Boers

14:00 → 14:15	**Automating the Campus Network with NSO**	

The University of Michigan has a network of over 4000 switches and routers with dozens of different platforms and device types. This scale and heterogeneity pose a serious challenge when it comes to programmatically pushing network device configurations. We settled on using Cisco NSO (Network Service Orchestrator) as a platform and are in the early stages of productionizing its usage. We will cover why we selected NSO, how we are using it, and our experiences so far.

Conveners: Amy Liebowitz, James Ostrander, Nicholas Grundler

14:15 → 14:30	**Q&A and Discussion**	

Convener: Maria Isabel Gandia Carriedo

https://events.geant.org/e/CNaaS-3

Coming Soon

Event	Date
16th SIG-NOC Meeting	10/11 May
3rd European perfSONAR User Workshop	24/25 May
TNC	12/17 June 2022
Management and monitoring of time & frequency services	21 June

More information in https://events.geant.org

Do you want to know more?

Topic
Ansible
YANG
XML
NSO
NETCONF
APIs

Network Automation eAcademy: https://wiki.geant.org/display/NETDEV/OAV+Training+Portal

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Thank you

Any questions?

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