



GÉANT Infoshare: Tools for Campus Network Management as a Service (CNaaS)

WP6-T2 / OAV

CNaaS Tools Infoshare

28 April 2021

www.geant.org

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

Agenda

13:00	→ 13:05	Introduction to Campus Network Management as a Service	🕒 5m
		Introduction to the Infoshare	
		Speaker: Mariaisabel Gandia Carriedo	
13:05	→ 13:25	NMaas: Network Monitoring as a Service	🕒 20m
		NMaas is a service developed and maintained by the GÉANT Project. NMaas is offered to all members of the GÉANT community including NRENs, end Institutions, research projects and individuals with the intent to ease local network monitoring and management by moving the NMS installation to a secure NMaas cloud. This session will cover a brief introduction to selected aspects of the Network Management as a Service and a live demonstration of NMaas being applied to a real life infrastructure monitoring use case.	
		Speaker: Lukasz Lopatowski (PSNC)	
13:25	→ 13:45	NMS: Network Automation for Campus Networks	🕒 20m
		Presentation of the network automation software for campus networks developed at SUNET called CNaas-NMS. The NMS is open source, has multi-vendor support and includes features for doing zero-touch provisioning, configuration management and firmware upgrades. Background, current status and deployment at customers.	
		Speakers: Mr David Heed (SUNET), Mr Johan Marcusson (SUNET)	
13:45	→ 14:05	NMS: Technical Demo of Network Automation	🕒 20m
		Technical demo of CNaas-NMS presenting workflows and how to perform common actions using configuration files, web user interface and API.	
		Speaker: Mr Johan Marcusson (SUNET)	
14:05	→ 14:15	Break	🕒 10m
14:15	→ 14:35	Argus Aggregated Alerting System for Campus Network Management as a Service in UNINETT	🕒 20m
		By deploying Campus Networks as a Service, the existing plethora of network and service monitoring tools multiplies with every new customer. For this purpose, Uninett built Argus: A tool for consolidating incidents across network management systems, and for managing NOC notification profiles in a single interface. This talk presents our progress with Argus thus far, and some of the issues we've run across on the way.	
		Speaker: Morten Brekkevold (Uninett)	
14:35	→ 14:55	Wifimon	🕒 20m
		Wifimon (Wifi Monitor) is a helpful solution to monitor the wifi network, suitable to be used for Campus Network Management services	
		Speaker: Nikolaos Kostopoulos	
14:55	→ 15:15	Q&A and Debate	🕒 20m
		Questions and answers and discussion around the table about CNaas tools	
		Speakers: Mr David Heed (SUNET), Lukasz Lopatowski (PSNC), Mariaisabel Gandia Carriedo, Morten Brekkevold (Uninett)	



Coming Soon

Event	Date
TNC	21/25 June 2021
Orchestration, Automation and Virtualisation BoF	25 June 2021
P4 and Data Plane Programming BoF	18 June 2021

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

Thank you

Any questions?

Or email us:

oav@lists.geant.org

www.geant.org

