Network Management as a Service (NMaaS)

Introduction

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GÉANT Network Management as a Service (NMaaS)
Infoshare
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GEANT Infoshares are intended to create a space to engage, improve knowledge sharing and discussion about services and strategic topics, and to build a human network across the Research and Education community.

Co-organised by WP6 and GÉANT Partner Relations Team, within the Community Programme

Public Infoshares are on Wednesdays and are recorded

Other Infoshares will be ‘invitation only’ events on other weekdays

Go to the main Infoshares Wiki page to suggest future topics

Recordings are available in the e-Academy, GLAD website and on Wiki pages after the event

Questions: partner-relations@geant.org
Why should you consider NMaaS service?

• You want to install or quickly try (in few minutes) a new network management app
• You don’t have sufficient resources (servers, virtual machines) for network management apps
• You don’t have enough knowledgeable staff who can install/manage the required infrastructure (servers/VMs/containers)
• You have multiple customers who want their network and server infrastructure to be managed by you
• You have customers who don’t have sufficient resources to manage their infrastructure
• You want to focus solely on managing your services
NMaaS in a nutshell

What?
“Market place” offering Network Management ... in the cloud

For whom?
NREN End Institutions, GÉANT Project teams, and NRENs
NMaaS Key Benefits and Features

**SECURE**
Uses VPN technology to incorporate management platform instance into the network instance

**PLUG AND PLAY**
Cloud based platform reduces start-up costs and management overhead

**PRIVATE**
Each management instance is separated within the platform by design to maintain isolation
Allows institutions and projects to manage separate infrastructure

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How can NMaaS be used?

**Option 1: Organisation implementation**

Each participating organisation offers a platform for their participating institutions

GÉANT Project co-ordinates development, standards and provides 2\textsuperscript{nd} level support for the software usage

**Option 2: GÉANT Project implementation**

GÉANT Project offers a centralised platform for participating NRENs and/or their institutions (“white labelled”)

GÉANT Project co-ordinates development, standards and provides the 1\textsuperscript{st} and the 2\textsuperscript{nd} level support for NMaaS use
NMaaS contact and further information

Contact us at nmaas@lists.geant.org if you’d like to:

• **monitor** your equipment with tools offered by NMaaS
• **share** your own custom tools with the community via the NMaaS marketplace
• **test** NMaaS capabilities

Check out the latest NMaaS posts: [https://wiki.geant.org/x/i5nTC](https://wiki.geant.org/x/i5nTC)

NMaaS information: [https://wiki.geant.org/display/NMAAS](https://wiki.geant.org/display/NMAAS)
NMaaS production instance: [https://nmaas.eu](https://nmaas.eu)
NMaaS sandbox instance: [https://nmaas.geant.org](https://nmaas.geant.org)
NMaaS Infoshare – Agenda

• 13:00 – Introduction
• 13:10 – NMaaS concept, architecture and deployment
• 13:20 – NMaaS application portfolio
• 13:30 – NMaaS GÉANT production service
• 13:35 – NMaaS infrastructure requirements
• 13:45 – Demonstration
  • NMaaS for RARE
  • Application deployment process
• 14:05 – Q&A
Thank you

Any questions?

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