

Workshop: Moving My Data at High Speeds over the Network

TNC 2016



Brian Tierney (Esnet), Domenico Vicinanza (GÉANT), Eli Dart (ESnet), Kurt Baumann (SWITCH), Mian Usman (GÉANT), Richard Hughes-Jones (GEANT),

Room: Leo

GN4-1-SA1T1 and GN4-2-SA1T1 initiatives

GN4-2-SA3T5 initiative

Prague

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Welcome to the Data Moving Workshop



Aims of the workshop

- Provide technical information and ideas
- Stimulate discussion of techniques
- Exchange experiences
- Share knowledge

Motivation

- Increasing requirements of many science and other research areas to move or access huge amounts of data for globally distributed computing.

Agenda



14:00 Introduction

Richard Hughes-Jones (GÉANT)

Design, Status and Use of the GÉANT Data transfer nodes

Mian Usman (GÉANT)

DTN End Host performance and tuning - 100 Gigabit Ethernet & NVME Disks

Richard Hughes-Jones (GÉANT)

The challenges of moving data with TCP and UDP and The importance of network monitoring

Domenico Vicinanza (GÉANT) & Brian Tierney (ESnet)

15:30 Coffee Break 15 min

Introducing eduPERT and how it can help you with network performance issues

Kurt Baumann(SWITCH)

The advantages, design and examples of use of Science DMZ at the campus

Eli Dart (ESnet) & Brian Tierney (ESnet)

References

ESnet

<https://fasterdata.es.net/>

GÉANT eduPERT

[eduPERT Service page: http://services.geant.net/edupert/Pages/Home.aspx](http://services.geant.net/edupert/Pages/Home.aspx)

[eduPERT KB: http://kb.pert.geant.net/PERTKB/WebHome](http://kb.pert.geant.net/PERTKB/WebHome)

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[eduPERT Training @TNC2015](#)

<https://wiki.geant.org/display/gn41na1/eduPERT@TNC15+Training>

[eduPERT – Discussion Lists - pert-discuss@geant.net](#)