



CYPRUS RESEARCH AND ACADEMIC NETWORK (CYNET)

Network Operation Center

7th TF-NOC Meeting
December 12th 2012

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CyNET -

Cyprus Research and Academic Network

- “ Founded in 2000

- “ Located in the capital of Cyprus - Lefkosia

- “ Aims:

- “ Create an advanced network infrastructure for research & education.

- “ Interconnect all academic and research institutions in Cyprus

- “ Fast connection with GEANT and Internationally

- “ Offer advanced network services to the research and education community.

- “ Perform networking and services research.

To support and promote the research and education activities in Cyprus.

CyNet current network

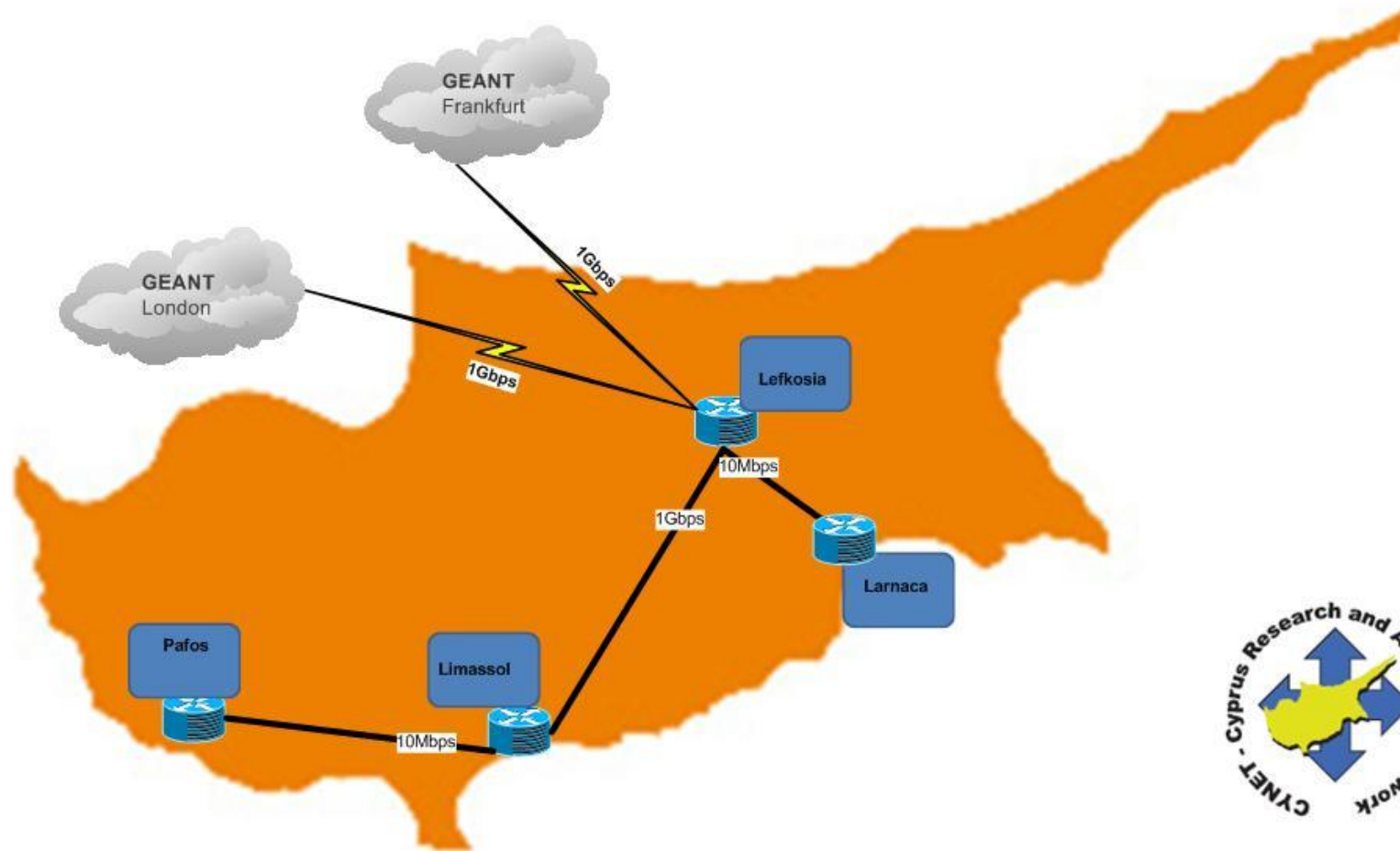
“ Infrastructure

- “ **13** research and academic institution (8 Universities among them)
- “ **2** external connections
 - “ 1 Gbps to London and 1Gbps to Frankfurt
- “ **4** PoPs (Nicosia, Limassol, Larnaca & Pafos)

“ Network infrastructure connects to:

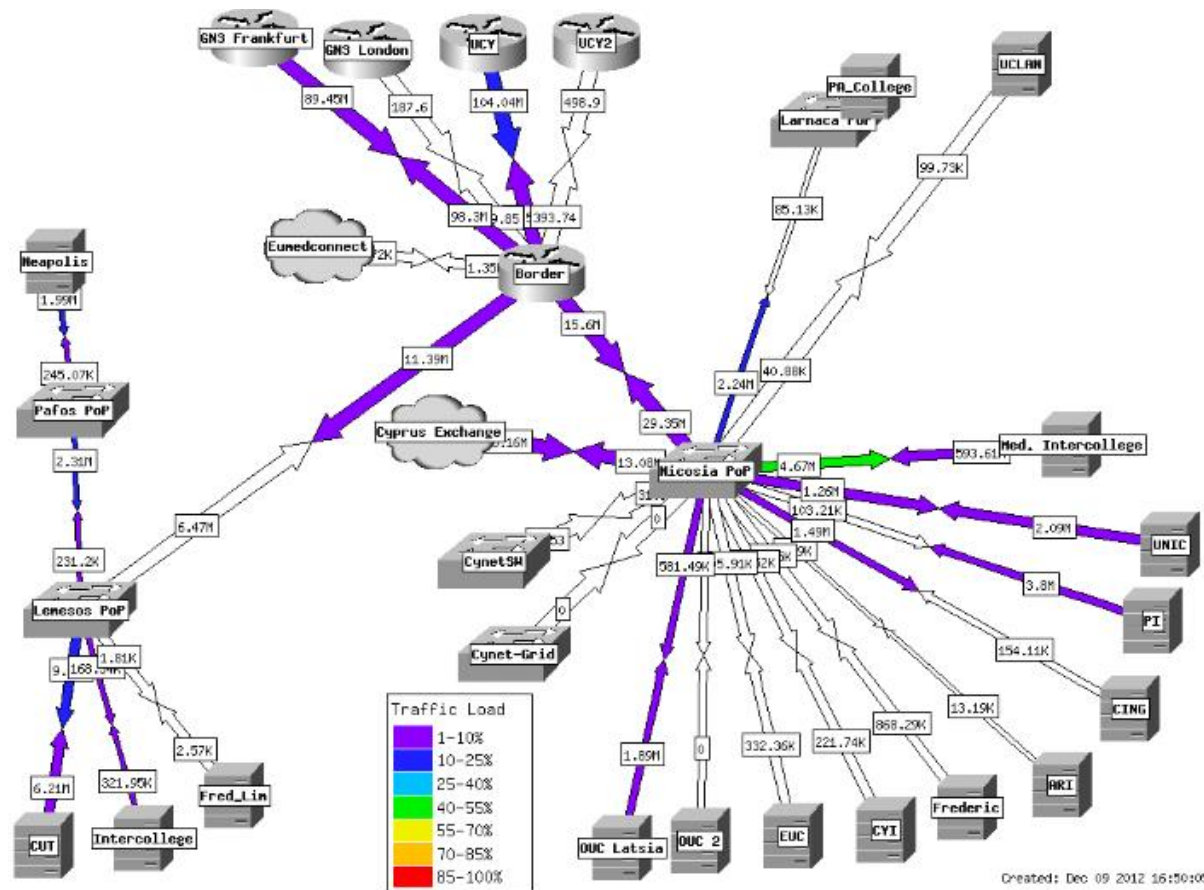
- “ The European Research and Education Backbone, GEANT.
- “ The Cyprus Internet Exchange, CYIX.
- “ The Mediterranean Research and Education Backbone, EUMEDCONNECT (PoP for Syria) . Not active.

The Network



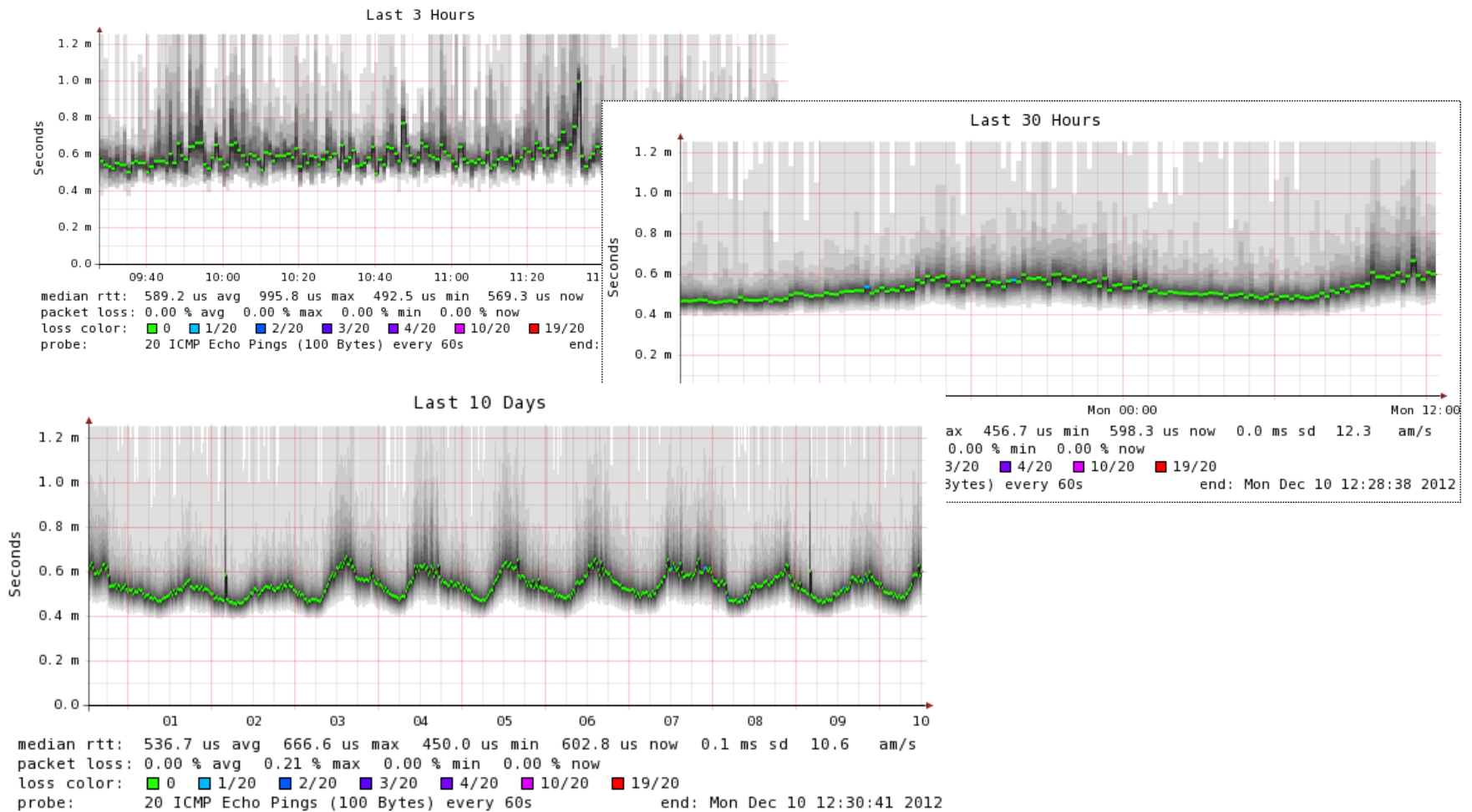
Monitoring

- CACTI



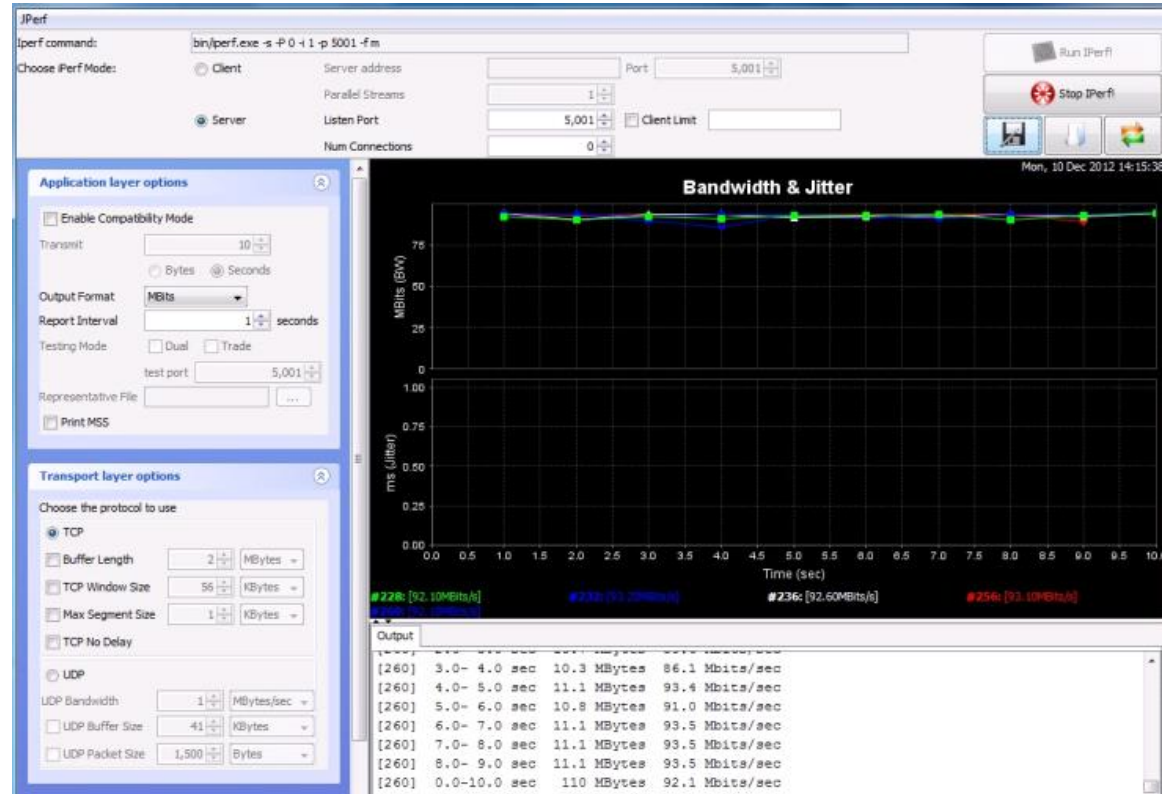
Monitoring

- Smokeping



Monitoring

-Iperf



Services

- Eduroam
- Certificates
- Grid
- Connectivity - Local circuits
- DNSv4

CYNET current Activities

- “ Participate in the following research programs/projects:
 - “ GEANT (GN3+)
 - “ TERENA
 - “ eduROAM
 - “ eduGain
 - “ EUMEDGRID Support (ended last year)
 - “ EumedConnect II
 - “ LinkSCEEM2

Support

- “ Support is provided mainly from the NOC team of the University of Cyprus
 - “ 8:00 . 18:00
- “ 24 x7 Stand-by Engineer
- “ Internal communication through Email, OTRS ticketing system

Future plans

- “ Develop its own fiber optic network
- “ Help connected institutes to deploy services like Eduroam
- “ Get involved in research projects
- “ Enrich monitoring tools ie Perfsonar
- “ Deploy IPv6
- “ BackUp-MX, Wireless Access, School-DNS etc



Questions ?

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