

TF-NGN – Transport Protocols

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Thanks to:

Antonin Kral, Sven Ubik - CESNET

Simon Leinen, Chris Welti- SWITCH

2005-07-28

Actions done since last meeting

- Protocols descriptions added to GEANT2 PERT Wiki pages at <http://pace.geant2.net> :
 - Source Quench
 - XCP
 - HS-TCP
 - H-TCP
- More descriptions under preparations
 - Westwood TCP
 - Fast TCP
 - Scalable TCP

Future plans

- Gathering of existing transport protocols efficiency comparisons and benchmarks
- Implementation of new testbeds and performing tests in GEANT2 network
- Getting familiar with Network Simulator tool

Future plans

- Gathering of existing transport protocols efficiency comparisons and benchmarks
 - PSNC is preparing another group of transport protocol description, and collect benchmarks and comparisons
 - The Wiki pages will be updated with benchmark results
 - Those benchmarks will be one of the basis for our own tests

Future plans

- Implementation of new testbeds and performing tests in GEANT2 network
 - CESNET – SWITCH testbed is ready
 - CESNET – PSNC testbed is almost ready
 - If anyone is interested – please join us

Future plans

- Getting familiar with Network Simulator tool
 - Network Simulator is a C++ based tool for simulating the network environment with various topology, parameters, problems, and traffic
 - The tool is available at <http://www.isi.edu/nsnam/ns>
 - The simulator modules for various TCP implementations are freely available on Internet web pages
 - NS may decrease the benchmarking costs and resources demand
 - NS results may vary from real network environment tests

