

SC2002 demo



- Baltimore, November 16–22
- Black hole simulation
- Aims at new BW consumption record
- Determined to use LBE/Scavenger
- A large number of cooperating computers
- Monitoring and visualisation very BW demanding, not job scheduling

Network links



- 20 Gb/s StarLight-Baltimore, half of it eats up the main data generator (NCSA TeraGrid)
- Transatlantic connection: Amsterdam-StarLight 10 Gb/s (Level3 for SARA), about half for the demo
- Other transatlantic connections being sought, termination in StarLight!

Application, scenario



- UDP-based app with special protocols on top of it
- No congestion control but adaptable to any amount of packet drops and outages
- A priori adjustable bit rate
- Two sites in Europe with high BW data stream, CZ and DE/PL, 2 Gb/s per site

Test setup



- connection Brno (CZ) to StarLight to LBNL
- Initially 1 Gb/s
- CESNET would need temporary upgrade
- Where to do appropriate queueing?