

1st End-To-End Provisioning Workshop

Establishing Lightpaths

Preliminary programme

Tutorial session	Multi-domain lightpath provisioning
The dynamic provisioning of switched lightpaths requires new control methodologies to create, remove and control end-to-end circuits across domain boundaries, managing inter-domain issues, and creating application-specific lightpath request and control interfaces. Hear about the latest tools in this tutorial session.	
Vendor session	Last mile networks and CPE developments
Metropolitan, campus and local networks play key roles in establishing end-to-end connections between researchers. Novel Carrier Ethernet / Optical-based last mile solutions, as well as enhanced customer premises equipment, offer the chance to eliminate existing bottlenecks. See the most up-to-date equipment available from a range of vendors.	
Coordination session	Success stories: teamwork between NRENs and university / research labs to establish end-to-end lightpaths
Researchers in universities use lightpaths to send large data files quickly and safely via the network. Lightpaths are also popular in colleges and research labs as a way of safely connecting their locations. NRENs are in a very good position to provide end-to-end connection services for remote research applications such as HEP, eVLBI, HPC/visualisation and e-health/oncology. Hear how some partnerships have led to success.	
Panel discussion	Experiences of end-to-end lightpath provisioning for researchers
Sharing practical experiences of establishing and provisioning end-to-end lightpaths is useful for identifying the main elements of the provisioning procedure and trying to enhance coordination among affected parties in the future. Contribute to the discussion and help to decide the best way forward.	

Interested?

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www.terena.org/e2e





« *networking the networkers* »

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Scope of the workshop

Today, individual e-science applications can generate network flows measured in Gbps, enduring hours, days or even weeks, often between a well-defined set of nodes, and with tight constraints on quality of service.

The needs of such applications are best met by 'traffic engineered' point-to-point circuits, rather than 'best effort' routed networks. That is why establishing end-to-end lightpaths (i.e. Gigabit Ethernet circuits or even lambdas) is becoming very important in the service portfolios of national research and education networks (NRENs).

The NRENs' backbone networks and the pan-European backbone network, GÉANT2, are ready to deliver some provisioning services, but technical and other factors often cause 'bottlenecks' at the level of metropolitan, campus and local infrastructures. In order to set up end-to-end connections, cooperation is necessary between NRENs, metropolitan, campus and local networks.

The first TERENA Workshop on End-to-End Provisioning involves key players from all these networking organisations, gathering together people who can share expertise and experience in establishing real end-to-end connection services for universities and research labs. Together they will help shape the way that end-to-end provisioning is tackled in the future.

'I want to connect my university lab at Gigabit speed..!'

...who can I call ?

...in practice, what will they do for me?

...I have no expertise: can I do it myself?

...what kind of equipment do I need?

What will be discussed?

- » common understanding of dynamic circuit services and existing tools;
- » latest last mile deployments and customer premises equipment (CPE) developments;
- » practical requirements of e-science applications;
- » experiences of end-to-end service provisioning for universities and research labs.

If you are a campus or research centre network or system administrator or manager, an NREN representative, vendor, service provider or IT specialist, your participation is very welcome.

When?

1-2 December 2008

How?

Sign up for updates or register at: www.terena.org/e2e

Where?

Beurs van Berlage, Amsterdam, Netherlands

What?

See the preliminary programme overleaf...