High performance programmable networks around Gbit backbones to support Grid infrastructure

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http://www.ens-lyon.fr/LIP/RESO/Tamanoir

Tamanoir : Gbit software programmable node

• In active and programmable networks, routers can perform and apply dynamic services on data streams

• Performance achieved around French VTHD backbone (http://www.vtbd.org) with lightweight service.
• Tamanoir nodes are deployed around VTHD backbone to support Grid applications on RNTL Endile Project (http://www.urec.cns.fr/endile)

Echidna : Distributed Active Traffic generator

• Hybrid P2P architecture for large scale experiments

Pangolin : Active network visualization

• Deployment of Tamanoir Active Node in large scale generates new challenges in active network monitoring.
• A monitoring and visualization tool called Pangolin based on MapCenter software (http://mapcenter.in2p3.fr).
• Visualization is made through a simple web browser.