Fault tolerant library for designing stateful network equipments

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Avoiding single point of failure (SPOF) by replicating main components
Avoiding lost of connections for stateful network equipments

Stateful Network Equipment (SNE) library:
• Replicating connection tracking table
• API providing various levels of consistency
• Easy designing of stateful firewall
• Allowing load balancing functionalities
• Based on Linux / Netfilter
• Usage of netlink sockets between kernel modules and SNE library

Netlinkbench: Evaluating netlink sockets

Available open source tools and environments: SNE and Netlinkbench
http://www.ens-lyon.fr/LIP/RESO/Software.html