A Network Simulation Platform
Compatible with Linux Kernel-space Facilities and User-space Applications

Fedora Linux Operating System

- **EstiNet** Graphical User Interface (GUI)
- **EstiNet** Simulation Engine (SE)
- Virtual Clock (VC)
- Linux User-space Applications
- Linux Kernel-space Facilities

**Simulation Engine (SE) & Virtual Clock (VC)**
- The SE mainly simulates network interface cards and propagation channel models.
- The VC mechanism makes the whole simulation environment operate based on a common virtual time.

**Graphical User Interface (GUI)**
- The GUI makes the configuration of simulation visible, intuitive, understandable and fast.
- The playback animation and performance plot make the simulation results visible and easy to be realized.

**Linux User-space Applications**
- Network traffic generator and analyzer
- Server-and-client network service
- Peer-to-peer network service
- Network monitoring and management

**Linux Kernel-space Facilities**
- TCP/UDP, IPv4/IPv6, ARP, ICMP, etc.
- Netfilter framework for Firewall, NAT, etc.
- Routing mechanism for layer-3 packet forwarding
- Switching mechanism for layer-2 frame forwarding

Visit [www.estinet.com](http://www.estinet.com) for more details.