The objective is to evaluate the performance of Ubuntu, Fedora, and Kali Linux configured as software routers in a 4-computer network (2 clients, 2 routers/servers). The evaluation will:

* Use TCP and UDP protocols.
* Test on both IPv4 and IPv6.
* Use D-ITG for traffic generation.
* Measure throughput, delay, jitter, and packet loss.
* Test with packet sizes from 128 to 1536 Bytes.
* Require a minimum of ten runs per evaluation.
* Follow the Software Testing Life Cycle (STLC) methodology.