



VPN for Network Testing, Simulation and Debugging

SoftEther VPN is not a program only for building remote network. It can be used for network design, test, and simulation by IT professionals. For example, delay, jitter and packet loss generator is implemented on SoftEther VPN so network designer can test VoIP phones under the bad-condition IP network.

Delay, Jitter and Packet Loss Generator for VoIP Testing

SoftEther VPN Server can be used for non-VPN purpose. By using SoftEther VPN Server you can use the Delay, Jitter and Packet Loss Generator to simulate a bad-condition network. You can define two Local Bridges from a Virtual Hub toward two physical Ethernet network adapter. Then both two Ethernet network segments are bridged through the Virtual Hub, and the Virtual Hub inserts delay, jitter and packet loss while forwarding Ethernet frames. The Delay, Jitter and Packet Loss Generator is very helpful to test VoIP devices.

[4_jitter.jpg](#)

Make a Test Ethernet Segment

In order to test your Ethernet-based network topology you can utilize SoftEther VPN Server, Client and Bridge. SoftEther VPN can create several separated Ethernet segment by just clicking. SoftEther VPN Server has Virtual Layer-3 Switch Function which provides Layer-3 IP-based routing between L2 segments. Virtual Hub has Access List Function for packet filtering. These L2 and L3 functions of SoftEther VPN Server are convenient to test your new network design as a field test.