Generating Traffic to a Routed Network

**Goal:** Set up and run traffic on a routed network.

In this test scenario, LANforge-FIRE is used to generate traffic to a basic router in order to test throughput.

1. Connect one LANforge-FIRE port to the router’s LAN port.
2. Connect another LANforge-FIRE port to the router’s WAN port.
3. Set up the LANforge ports so that they have valid IP addresses.
   - Go to the Port Manager
B. Modify port for Endpoint A (eth3), Set a valid network IP Address and Gateway IP.
C. Modify port for Endpoint B (eth4). Set a valid network IP Address and Gateway IP.

D. Verify the port configuration

For more information see LANforge User's Guide: Ports|Interfaces
4. Create a Layer-3 connection using the two configured ports.
   
   A. Go to the **Layer-3** tab
   
   ![Layer-3 tab](image1)

   B. Create a new Cross-Connect
   
   ![Create/Modify Cross Connect](image2)

   C. Verify the new Cross-Connect

   For more information see [LANforge User's Guide: Layer-3 Cross-Connects (FIRE)](#)
5. Run traffic and determine router throughput.
   A. Select the cross-connect on the Layer-3 tab, click Start and then Display

   ![Layer-3 Cross-Connect Display](image)

   Logged in to: 192.168.100.129:60002 as: Admin

   B. View the Layer-3 cross-connect display

   ![Layer-3 Cross-Connect Display](image)

   For more information see LANforge User’s Guid: Layer-3 Cross-Connect Display

6. For this example, a low performance router was used to illustrate poor throughput, variable latency, and dropped packets.
   A. Go to the L3 Endps tab

   ![Layer-3 Endpoints Display](image)

   Logged in to: 192.168.100.129:40002 as: Admin
B. Scroll to the right to view Latency and Dropped Packets

For more information see LANforge User's Guide: Layer-3 Endpoints (FIRE)
Canela Technologies, Inc., 2417 Main Street, Suite 201, Ferndale, WA 98248, USA
www.canadeltech.com | sales@canadeltech.com | +1.360.380.1618