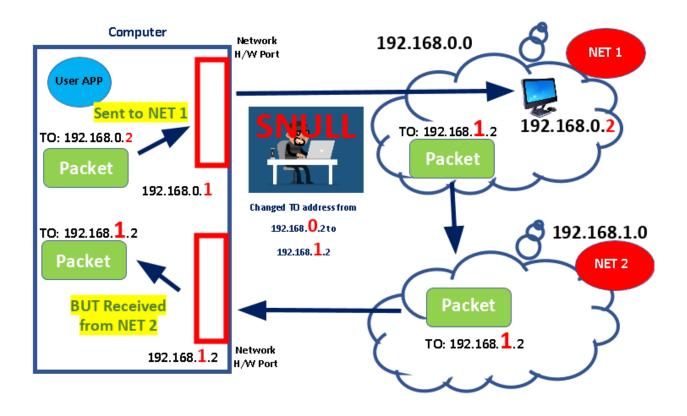Device Drivers

Simple Network Utility for Loading Localities
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Introduction

SNULL [Simple Network Utility for Loading Localities] is similar to the loopback interface but sends the same packet back to the sender as though it received from a different outside network.

How does it works?

1. The user application creates a packet with a destination IP address in same network as where it is present.
2. Network port is opened and the packet is sent to the destination.
3. Now the SNULL changes the 3rd octet of the IP address thereby changing the destination IP address to a different network.
4. So the packet accordingly gets rejected by the dormer IP address since the packet's destination is not the same as its.
5. Now the packet goes to the changed destination network /IP address with the same contents as the previous one.
6. The reply from this IP address is collected using the another Network port from the Host/Source IP address.

Thereby we can see that packet was sent to one network and the reply originated from another network [but internally it's the same packet]