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Nsasoft llc.

Traffic Emulator

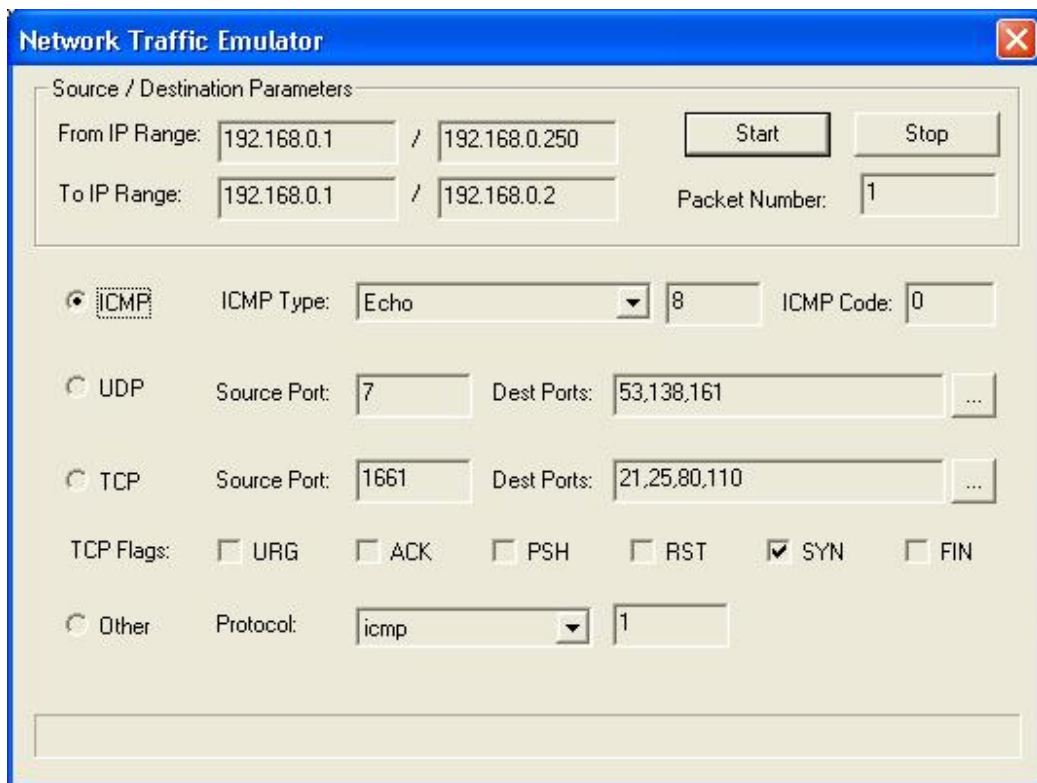
Network TrafficEmulator generates IP/ICMP/TCP/UDP traffic to stress test servers,routers and firewalls. It is a very simple and fast program which can simulate client activity.

To generate a traffic specify **Source/Destination Parameters**. You should also specify the packet number.

To generate ICMP packets select ICMP and specify **ICMP Type** and **ICMP Code**. For UDP or TCP packet traffic select **UDP** or **TCP** accordingly and specify **Source Port** and **Dest Ports** . For TCP packet specify TCP flags too.

You can select **Other** protocols by changing the protocol name in the **Protocol** field. Some of the available protocols are: icmp, igmp, ggp, ip, st, tcp, cbt, egp, igp, bbn-rcc-mon, nvp-ii, pup, ipv6-route,rvd,etc.

Click on the button **Start** to start emulation. To stop the process click on the button **Stop**.



The screenshot shows the 'Network Traffic Emulator' application window. The title bar is blue with the text 'Network Traffic Emulator' and a close button. The main area is a light beige color with a blue border. It contains several sections for configuring traffic parameters:

- Source / Destination Parameters:** This section includes two rows of IP ranges. The first row is 'From IP Range: 192.168.0.1 / 192.168.0.250' and the second row is 'To IP Range: 192.168.0.1 / 192.168.0.2'. To the right of these are two buttons: 'Start' and 'Stop'. Below the IP ranges is a 'Packet Number:' field with the value '1'.
- Protocol Selection:** There are four radio buttons: 'ICMP' (selected), 'UDP', 'TCP', and 'Other'.
- ICMP Configuration:** When 'ICMP' is selected, it shows 'ICMP Type: Echo' (in a dropdown menu), '8' (in a text box), and 'ICMP Code: 0' (in a text box).
- UDP Configuration:** When 'UDP' is selected, it shows 'Source Port: 7' (in a text box) and 'Dest Ports: 53,138,161' (in a text box with a '...' button).
- TCP Configuration:** When 'TCP' is selected, it shows 'Source Port: 1661' (in a text box) and 'Dest Ports: 21,25,80,110' (in a text box with a '...' button).
- TCP Flags:** Below the TCP configuration, there are checkboxes for 'URG', 'ACK', 'PSH', 'RST', 'SYN' (checked), and 'FIN'.
- Other Configuration:** When 'Other' is selected, it shows 'Protocol: icmp' (in a dropdown menu) and '1' (in a text box).

At the bottom of the window, there is a large empty text area.