

# MIMIC NetFlow Simulator

MIMIC NetFlow Simulator generates a variety of flows and enables you to fully test your flow monitoring, management and analysis applications. Since you have complete control over the flowsets generated you can easily verify that your graphing application is correctly displaying the values you generate and your collector correctly collects precisely generated flowsets.

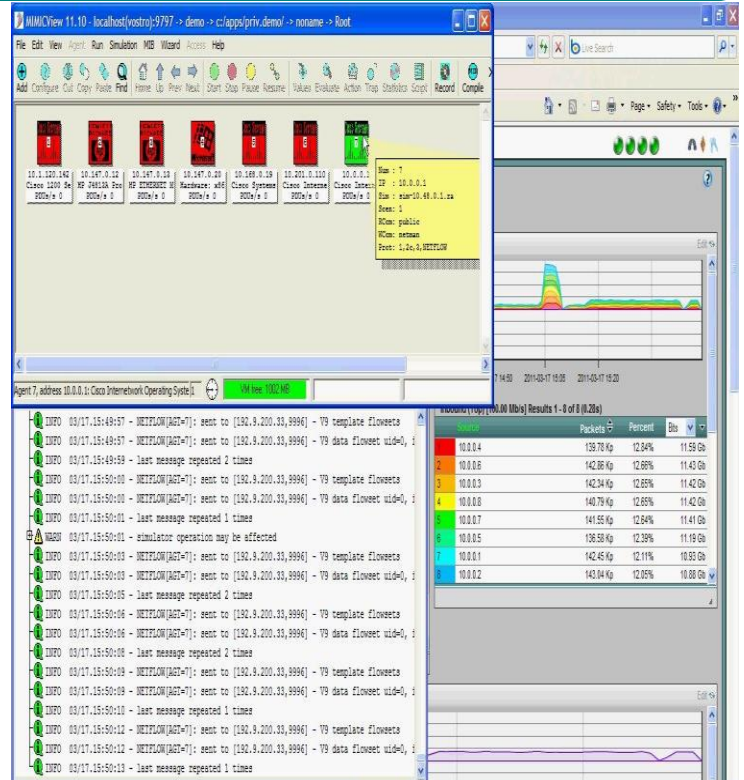
## Flow Simulation

- **Configuration** - Configure simulated NetFlow devices to create exactly how your network functions (how it is used, by whom, and for what purpose).
- **Correlation** - Test the correlation of the traffic arriving from designated ports, source/destination IPs and protocols.
- **Traffic generation** - Create a comprehensive view of your simulated network traffic, with bottlenecks and bandwidth hogs.
- **Customize the simulation** - Start using without any customization or fully customize any/all flow record values.
- **Flow changes** - Prove that value changes are detected according to the specified rules.

The MIMIC NetFlow Simulator, the industry's first integrated simulation tool supporting NetFlow, allows developers to perform real world, integrated device simulations. MIMIC simulates NetFlow-capable devices to help suppliers of NetFlow devices and applications. You can design, develop and test your products in a virtual and scalable network environment, assuring customers that your applications will work properly when deployed across heterogeneous environments.

## Features

- **Protocols** - Cisco NetFlow, Juniper J-Flow and IPFIX
- **Thousands of Flowsets / Second** - for stress and scalability testing
- **IPv6 Addresses** - Along with IPv4, test the transition of your applications to IPv6
- **Multiple Flow Definition** - Export ANY protocol mix in the flow definition.
- **Bi-directional Flows** - Create more realistic bi-directional traffic supporting symmetric and asymmetric flows
- **Predictable Flow Patterns** - Generate sequential addresses and values so you know what to expect and test the features accurately



*MIMIC NetFlow Simulator GUI showing the Simulated devices and generated traffic*

- **64-bit Values** - Test correct handling by collectors of variant records
- **Dynamic Reconfiguration** - Change the NetFlow configuration while the simulations are running, generating a variety of flows over time

## Components

1. **Simulator**: Simulate 50,000 devices. Each one can be started or stopped individually or in a group and has it's own IP address, Primary Port, Secure Port and Flow configs. Once started, the device starts responding to the NetFlow requests from any application from anywhere in the network.
2. **Recorder**: Records NetFlow sessions and creates basic NetFlow simulations.
3. **Wizard**: Easy-to-use GUI, for creating configurations.
4. **MIMICShell**: NetFlow functionality can be controlled by the MIMIC Command line interface.

## Supported platforms

Windows, Solaris, Linux

