STEALTHWATCH® by Lancope. Flow Replicator

OVERVIEW

Lancope's Flow Replicator is a high speed, high performance UDP packet replicator. Based on Lancope's Linux-based StealthWatch Systems of network appliances, the Flow Replicator is easy-to-manage, easy-to-deploy, and extremely valuable in large network management environments that require m multiple NetFlow™, SNMP, sFlow®, or syslog collectors.

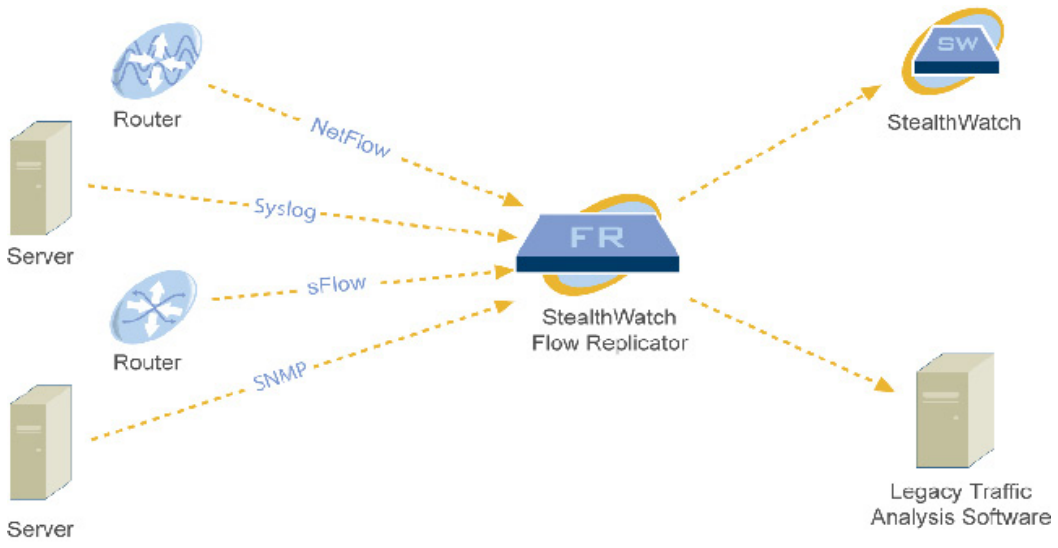
The StealthWatch Flow Replicator, available in 2 models to meet your needs and budget, is a critical component of the StealthWatch System, which includes the StealthWatch NC for native flow capture, StealthWatch Xe for NetFlow, StealthWatch Xe for sFlow and StealthWatch Management Console appliances. Strategic deployment across the enterprise of the StealthWatch System provides unprecedented network security, visibility and integrity.

HOW IT WORKS

As UDP packets are received by the Flow Replicator, they are duplicated and sent to the appropriate destination based on rules configured by the user. Destinations can be specified based on source IP, destination IP, and destination port. The example below shows several NetFlow enabled routers sending NetFlow packets to the Flow Replicator. The replicator then forwards copies of the NetFlow records to a StealthWatch NetFlow Collector and a NetFlow enabled traffic analysis server.

KEY BENEFITS:

- **Simplifies network device configuration** Only one collector destination must be configured on the router or host, allowing for a standardized collector destination on all devices. Across the enterprise, all devices are configured with the same collector destination.
- **Reduces network traffic** Routers and switches need send only one stream of data to the Flow Replicator.
- **Reduces load on routers and switches** The Flow Replicator allows for a single collector destination, reducing the amount of work required when sending the UDP packet to the collector.
- **Easy-to-deploy and manage** The Flow Replicator is a 1U appliance. All management is fulfilled through a simple web-based user interface.
- **Fault tolerance** The Enterprise Flow Replicator provides reliable and uninterrupted UDP feeds in the event of partial system failure.



APPLICATIONS

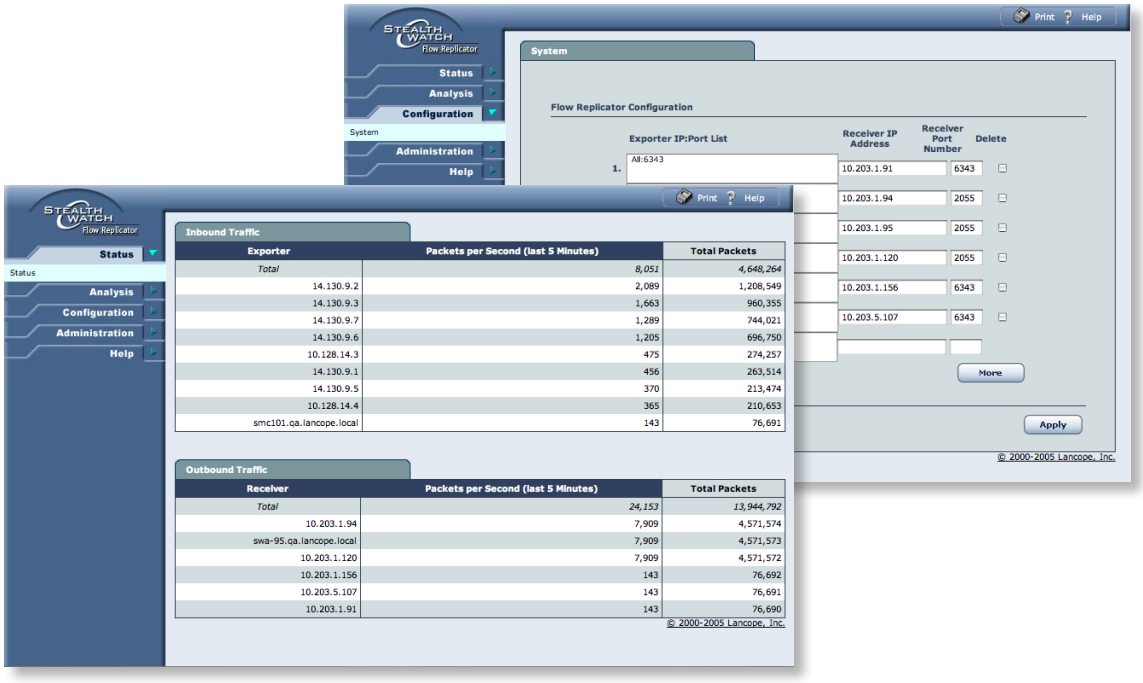
Almost any connectionless UDP application can make use of the UDP Replicator. A few common applications are listed below.

NetFlow – NetFlow records sent from multiple routers can be replicated to multiple NetFlow collectors. This prevents the need for multiple NetFlow destinations being specified in the NetFlow exporter's configuration.

sFlow – sFlow samples sent from sFlow enabled routers and switches can be replicated to multiple sFlow collectors. This prevents the need for multiple sFlow destinations being specified in the sFlow exporter's configuration.

Syslog – syslog messages can be sent to the UDP Replicator for replication to multiple syslog collectors.

SNMP – SNMP traps from routers, switches, and other network devices can be sent to the Replicator for distribution to multiple SNMP management stations.



Web-based administration and reporting enables easy management of the Flow Replicator

TECHNICAL SPECIFICATIONS

Supported Data Source

Any connectionless UDP application (i.e. syslog, SNMP, NetFlow, sFlow)

Management

Integrated HTTPS Web-UI
Serial and KVM access to CLI

OS

Hardened Linux

Form Factor

1U rack mounted chassis

	Flow Replicator	Enterprise Flow Replicator
Packet Replication Rate, pps* (input)	10,000 pps	20,000 pps
Packet Replication Rate, pps* (output)	20,000 pps	60,000 pps
Redundant power supply	-	✓
RAID disk	-	✓
Fiber NIC option	-	✓

** Packets per second, sustained*

Product Specifications

	Flow Replicator	Enterprise Flow Replicator
Packet Replication Rate (input)*	10,000 pps	20,000 pps
Packet Replication Rate (output)*	20,000 pps	60,000 pps
RAID disk	No	Yes
Network	2 – Gigabit, Copper Ethernet interface (only 1 required)	Fiber NIC option
Power	Standard 670 Watt hot-plug power supply Auto-switching universal 110/220 Volts	Redundant 670 Watt power supplies Auto-switching universal 110/220 Volts
Management	Integrated HTTPS Web-UI; Serial and KVM access to CLI	
Operating System	Hardened Linux	
Rack Units (mountable)	1 U	
Unit Weight	35.8 lbs (16.3 Kg)	
Dimensions	30.4" (77.2cm) D x 16.7" (42.6cm) W x 1.67" (4.26cm) H	
Environmental	Operating Temperature: 10° C to 35° C (50° F to 95° F) Storage Temperature: -40° C to 65° C (-40° F to 149° F) Operating Relative Humidity (non-condensing twmax=29C): 20% to 80% non-condensing Maximum humidity gradient: 10% per hour, operational and non-operational conditions Storage Relative Humidity: 5% to 95% non-condensing (twmax=38C) Operating Vibration: 0.26G at 5Hz to 350Hz for 2 minutes Storage Vibration: 1.54Grms Random Vibration at 10Hz to 250Hz for 15 minutes Operating Shock: 1 shock pulse of 41G for up to 2ms Storage Shock: 6 shock pulses of 71G for up to 2ms Operating Altitude: -16 to 3,048m (-50 ft to 10,000 ft) Storage Altitude: -16m to 10,600m (-50 ft to 35,000 ft)	
Regulatory	FCC (U.S. only) Class A DOC (Canada) Class A CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950) VCCI Class A UL 1950 CSA 950	

** Packets per second, sustained*

About Lancope, Inc.

Lancope®, Inc. is the leader in NetFlow™ Collection and Analysis and the provider of the StealthWatch System for flow-based network performance and security monitoring. Delivering unified visibility across physical and virtual networks, StealthWatch eliminates network blind spots and reduces total network and security management costs.

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