More Steelhead Commands

ip flow-export

Description	Configures NetFlow support. NetFlow enables you to collect traffic flow data and gather it on NetFlow collectors. You can gather pre-optimization and post-optimization data on traffic flows for custom reports. Steelhead appliances support NetFlow v5 (the most common format).	
Syntax	ip flow-export {destination <collector ip> <collector port> export-port [aux | primary] | [interface <primary | wan1_1 | lan1_1 | wan1_0 | lan1_0] | [capture <all | optimized | optimized-lan | optimized-wan | passthrough | all] | lan-addrs [off | on]}	
Parameters	destination <collector ip> <collector port>	Specifies the export IP address and port the NetFlow collector is listening on. The default value is 2055.
	export-port <aux | primary>	Specifies the interface which is used to send the Netflow packets to the collector.
	interface <primary | wan1_1 | lan1_1 | wan1_0 | lan1_0	Specifies the interface used to capture packets. NetFlow records sent from the Steelhead appliance will appear to be sent from the IP address of the selected interface.
	capture <all | optimized | optimized-lan | optimized-wan | passthrough]	Specifies whether all traffic, optimized traffic, optimized LAN traffic, optimized WAN traffic, or only pass-through traffic is exported to the Netflow collector. The default value is **Optimized**.
	lan-addrs {off | on}	Specifies whether the TCP IP addresses and ports reported for optimized flows should contain the original client and server IP addresses and not those of the Steelhead appliance: **off** displays the Steelhead appliance information; **on** displays the LAN address information. The default is to display the IP addresses of the original client and server without the IP address of the Steelhead appliances.

Usage	Before you enable NetFlow support in your network, you should consider the following:
	
	• Generating NetFlow data can utilize large amounts of bandwidth, especially on low bandwidth links and thereby impact Steelhead appliance performance.
	• You can reduce the amount of data exported by NetFlow by exporting only optimized traffic.
	• NetFlow only tracks incoming packets (ingress).
	
	To troubleshoot your NetFlow settings:
	
	• Make sure the port configuration matches on the Steelhead appliance and the listening port of the collector.
	• Ensure that you can reach the collectors from the Steelhead appliance (for example, **ping 1.1.1.1** where 1.1.1.1 is the Netflow collector).
	• Verify that your capture settings are on the correct interface and that traffic is flowing through it:
	
	`minna (config) # ip flow-export enable`
	`minna (config) # ip flow-export wan0_0 destination 10.2.2.2 2055 export-port primary capture optimized lan-addrs on`
	`minna (config) # show ip flow-export`
	
	For virtual in-path deployments (WCCP or PBR), because the traffic is arriving and leaving from the same WAN interface, when the Steelhead appliance exports data to a NetFlow collector, all traffic has the WAN interface index. This is the correct behavior because the input interface is the same as the output interface.
	
	To distinguish between LAN-to-WAN and WAN-to-LAN traffic in virtual in-path deployments, see the *Steelhead Appliance Deployment Guide*.

Example	`minna (config) # ip flow-export lan0 destination 10.2.2.2 80 export-port aux`
	`capture all lan-addrs off`
	`minna (config) #`

Product	Steelhead appliance
Related Topics	"show job"

ip flow-export enable

Description	Enables NetFlow support. NetFlow enables you to collect traffic flow data and gather it on NetFlow collectors. You can gather pre-optimization and post-optimization data on traffic flows for custom reports.
	NetFlow enables you to export network statistics that provide information about network data flows such as peak usage times, traffic accounting, security, and traffic routing. NetFlow records information for each incoming packet on the specified network interface (the ingress interface). This data is sent to a NetFlow collector and analyzed by a NetFlow analyzer.
	Steelhead appliances support NetFlow v5 (the most common format).
Syntax	[no] ip flow-export enable
Parameters	None

Usage	Before you enable NetFlow support in your network, you should consider the following:
	• Generating NetFlow data can utilize large amounts of bandwidth, especially on low bandwidth links and thereby impact Steelhead appliance performance.
	• You can reduce the amount of data exported by NetFlow by exporting only optimized traffic.
	• NetFlow only tracks incoming packets (ingress).
	To troubleshoot your NetFlow settings:
	• Make sure the port configuration matches on the Steelhead appliance and the listening port of the collector.
	• Ensure that you can reach the collectors from the Steelhead appliance (for example, **ping 1.1.1.1** where 1.1.1.1 is the Netflow collector).
	• Verify that your capture settings are on the correct interface and that traffic is flowing through it:

	`minna (config) # ip flow-export enable`
	`minna (config) # ip flow-export wan0_0 destination 10.2.2.2 2055 export-port`
	`primary capture optimized lan-addrs on`
	`minna (config) # show ip flow-export`

	For virtual in-path deployments (WCCP or PBR), because the traffic is arriving and leaving from the same WAN interface, when the Steelhead appliance exports data to a NetFlow collector, all traffic has the WAN interface index. This is the correct behavior because the input interface is the same as the output interface.
	To distinguish between LAN-to-WAN and WAN-to-LAN traffic in virtual in-path deployments, see the *Steelhead Appliance Deployment Guidee*.
	The **no** command option disables Netflow support.
Example	`minna (config) # ip flow-export enable` `minna (config) #`
Product	Steelhead appliance
Related Topics	"show ip"