



Random Sampled NetFlow

Random Sampled NetFlow allow you to collect data from specific subsets of network traffic.

- The Random Sampled NetFlow feature provides NetFlow data for a subset of traffic in a Cisco router by processing only one randomly selected packet out of n sequential packets (n is a user-configurable parameter).

Cisco IOS NetFlow is a Cisco IOS application that provides statistics on packets flowing through a router. It is emerging as a primary network accounting and security technology.

Configuration Information

Configuration information is included in the *“Using NetFlow Filtering or Sampling to Select the Network Traffic to Track”* module of the *Cisco IOS NetFlow Configuration Guide*, Cisco IOS Release 12.4.

The following sections provide information about this feature:

- Information About Using NetFlow Filtering or Sampling to Select Network Traffic to Track
- How to Configure NetFlow Filtering or Sampling
- Configuration Examples for Configuring NetFlow Filtering and Sampling

For a complete list of features included in the “Using NetFlow Filtering or Sampling to Select the Network Traffic to Track” module, see the Feature Information Table located toward the end of the module.

Command Reference Information

Command reference information is included in the *Cisco IOS NetFlow Command Reference*, Cisco IOS Release 12.2SB, at the following URL:

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sb/cr/sbnf_r/

New or Modified Commands

The following commands are new or modified for this feature:

- **class-map**
- **match access-group**
- **flow-sampler-map**
- **mode**

- **policy-map**
- **class**
- **netflow-sampler**
- **service-policy**
- **show flow-sampler**
- **show ip cache verbose flow**
- **show ip flow export template**

CCVP, the Cisco Logo, and the Cisco Square Bridge logo are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, GigaStack, HomeLink, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networking Academy, Network Registrar, *Packet*, PIX, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0609R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2006 Cisco Systems, Inc. All rights reserved.