



## Cisco IOS Flexible NetFlow

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Cisco IOS NetFlow is a Cisco IOS technology that provides statistics on packets flowing through a router. NetFlow is the standard for acquiring IP operational data from IP networks. NetFlow provides network and security monitoring, network planning, traffic analysis, and IP accounting.

Cisco IOS Flexible NetFlow improves on original NetFlow by adding the capability to customize the traffic analysis parameters for your specific requirements. Flexible NetFlow makes it easier to create more complex configurations for traffic analysis and data export through the use of reusable configuration components.



### Note

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Cisco IOS Flexible NetFlow was released as a single feature in Cisco IOS Release 12.4(9)T. However, Cisco IOS Flexible NetFlow is much more than just a single feature; it is an entirely new technology area that has its own command reference, configuration guide, and feature roadmap.

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### Configuration Information

Configuration information is included in the *Cisco IOS Flexible NetFlow Configuration Guide*, Cisco IOS Release 12.4T, at the following URL:

[http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcd/tfnf\\_c/](http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tcd/tfnf_c/)

The following modules provide information about this feature:

- *Cisco IOS Flexible NetFlow Overview*
- *Getting Started with Configuring Cisco IOS Flexible NetFlow*
- *Configuring Cisco IOS Flexible NetFlow with Predefined Records*
- *Configuring Data Export for Cisco IOS Flexible NetFlow with Flow Exporters*
- *Customizing Cisco IOS Flexible NetFlow Flow Records and Flow Monitors for Your Network*
- *Using Cisco IOS Flexible NetFlow Flow Sampling to Reduce the CPU Overhead of Analyzing Traffic*

### Command Reference Information

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

[http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sb/cr/sbfnf\\_r/](http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sb/cr/sbfnf_r/)



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**New or Modified Commands**

The following commands are new or modified for Cisco IOS Flexible NetFlow:

- **cache (Flexible NetFlow)**
- **clear flow exporter**
- **clear flow monitor**
- **clear sampler**
- **collect counter**
- **collect flow**
- **collect interface**
- **collect ipv4**
- **collect ipv4 destination**
- **collect ipv4 fragmentation**
- **collect ipv4 section**
- **collect ipv4 source**
- **collect ipv4 total-length**
- **collect ipv4 ttl**
- **collect routing**
- **collect timestamp sys-uptime**
- **collect transport**
- **collect transport icmp ipv4**
- **collect transport tcp**
- **collect transport udp**
- **debug flow exporter**
- **debug flow monitor**
- **debug flow record**
- **debug sampler**
- **description (Flexible NetFlow)**
- **destination**
- **dscp (Flexible NetFlow)**
- **exporter**
- **flow exporter**
- **flow monitor**
- **flow record**
- **ip flow monitor**
- **match flow**
- **match interface (Flexible NetFlow)**
- **match ipv4**
- **match ipv4 destination**

- **match ipv4 fragmentation**
- **match ipv4 section**
- **match ipv4 source**
- **match routing**
- **match transport**
- **match transport icmp ipv4**
- **match transport tcp**
- **match transport udp**
- **mode (Flexible NetFlow)**
- **option (Flexible NetFlow)**
- **record**
- **sampler**
- **show flow exporter**
- **show flow interface**
- **show flow monitor**
- **show flow record**
- **show sampler**
- **source (Flexible NetFlow)**
- **statistics packet**
- **template data timeout**
- **transport (Flexible NetFlow)**
- **ttl (Flexible NetFlow)**

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