Cisco IOS NetFlow Features Roadmap

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This roadmap lists the features documented in the *Cisco IOS NetFlow Configuration Guide*. This roadmap is organized by software releases and features available in that release. For any feature, click the link in the "Where Documented" column to view the document that contains information about the feature.

Many legacy features have been incorporated into the configuration files, and these features may not have entries in this roadmap. In addition, information in this roadmap supports other software releases or platforms. For the latest feature information and caveats, see the release notes for your platform and software release.

Feature and Release Support

Table 1 lists Cisco IOS NetFlow feature support for the following Cisco IOS software release trains:

- Cisco IOS Software Release 12.0S
- Cisco IOS Software Release 12.2S
- Cisco IOS Software Release 12.2SB
- Cisco IOS Software Release 12.2SR
- Cisco IOS Software Release 12.2SX
- Cisco IOS Software Releases 12.2T, 12.3, 12.3T, 12.4, 12.4T and 15.0M
- Cisco IOS XE Software Release
- Cisco IOS Software Release 12.2ZY
- Cisco IOS Software Release 12.2SY

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS and Catalyst OS software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to http://www.cisco.com/go/cfn. An account on Cisco.com is not required.

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Note Table 1 lists only the Cisco IOS software release that introduced support for a given feature in a given Cisco IOS software release train. Unless noted otherwise, subsequent releases of that Cisco IOS software release train also support that feature.

Table 1 lists the most recent release of each software train first and the features in alphabetical order within the release.

Table 1 Supported Cisco IOS NetFlow Features

Release	Feature Name	Feature Description	Where Documented
Cisco IOS Software Release 12.0S			
12.0(26)S 12.0(25)S 12.0(24)S	MPLS-aware NetFlow	Multiprotocol Label Switching (MPLS)-aware NetFlow is an extension of the NetFlow accounting feature that provides highly granular traffic statistics for Cisco routers. MPLS-aware NetFlow collects statistics on a per-flow basis just as NetFlow does. MPLS-aware NetFlow uses the NetFlow Version 9 export format.	Configuring MPLS-aware NetFlow
12.0(26)S	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.0(11)S	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches
12.0(19)S	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.0(22)S	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export
12.0(15)S	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.0(24)S	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
12.0(26)S	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
Cisco IOS Software Release 12.2S			
12.2(18)S	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.2(25)S	NetFlow Input Filters	The NetFlow Input Filters feature provides NetFlow data for a specific subset of traffic by letting you create filters to select flows for NetFlow processing. For example, you can select flows from a specific group of hosts. This feature also lets you select various sampling rates for selected flows. The NetFlow Input Filters feature is used, for example, for class-based traffic analysis and monitoring on-network or off-network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
12.2(25)S	NetFlow MIB	The NetFlow MIB feature provides MIB objects to allow you to monitor flow cache information, the current NetFlow configuration, and statistics.	Configuring SNMP and using the NetFlow MIB to Monitor NetFlow Data
12.2(25)S	NetFlow MIB and Top Talkers	The NetFlow MIB and Top Talkers feature uses NetFlow functionality to obtain information regarding heaviest traffic patterns and most-used applications in the network.	Configuring NetFlow Top Talkers using Cisco IOS CLI Commands or SNMP Commands

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(18)S	NetFlow Multicast Support	The NetFlow Multicast Support feature lets you capture multicast-specific data (both packets and bytes) for multicast flows. For example, you can capture the packet-replication factor for a specific flow as well as for each outgoing stream. This feature provides complete end-to-end usage information about network traffic for a complete multicast traffic billing solution.	Configuring NetFlow Multicast Accounting
12.2(14)S	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.2(14)S	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export
12.2(14)S	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches
12.2(18)S	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
12.2(18)S	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
Cisco IOS Software Release 12.2SB			
12.2(28)SBB	Egress NetFlow Accounting	The Egress NetFlow Accounting feature allows NetFlow statistics to be gathered on egress traffic (traffic that is exiting the router). Previous versions of NetFlow allowed statistics to be gathered only on ingress traffic (traffic that is entering the router).	Configuring NetFlow and NetFlow Data Export
12.2(27)SBC	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.2(31)SB2	NetFlow MIB	The NetFlow MIB feature provides MIB objects to allow you to monitor flow cache information, the current NetFlow configuration, and statistics.	Configuring SNMP and using the NetFlow MIB to Monitor NetFlow Data
12.2(27)SBC	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches
12.2(27)SBC	NetFlow Multicast Support	The NetFlow Multicast Support feature lets you capture multicast-specific data (both packets and bytes) for multicast flows. For example, you can capture the packet-replication factor for a specific flow as well as for each outgoing stream. This feature provides complete end-to-end usage information about network traffic for a complete multicast traffic billing solution.	Configuring NetFlow Multicast Accounting
12.2(27)SBC	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.2(27)SBC	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export
12.2(27)SBB	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(27)SBC	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
12.2(28)SB	MPLS-aware NetFlow	Multiprotocol Label Switching (MPLS)-aware NetFlow is an extension of the NetFlow accounting feature that provides highly granular traffic statistics for Cisco routers. MPLS-aware NetFlow collects statistics on a per-flow basis just as NetFlow does. MPLS-aware NetFlow uses the NetFlow Version 9 export format.	Configuring MPLS-aware NetFlow
12.2(27)SBC	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
Cisco IOS Software Release 12.2SR			
12.2(33)SRA	Egress NetFlow Accounting	The Egress NetFlow Accounting feature allows NetFlow statistics to be gathered on egress traffic (traffic that is exiting the router). Previous versions of NetFlow allowed statistics to be gathered only on ingress traffic (traffic that is entering the router).	Configuring NetFlow and NetFlow Data Export
12.2(33)SRA	MPLS Egress NetFlow Accounting	The MPLS Egress NetFlow Accounting feature allows you to capture IP flow information for packets undergoing MPLS label disposition; that is, packets that arrive on a router as MPLS packets and are transmitted as IP packets.	Configuring MPLS Egress NetFlow Accounting and Analysis
12.2(33)SRB	NDE for VRF Interfaces	The NetFlow data export (NDE) for VRF Interfaces feature enables the creation and export of hardware NetFlow cache entries for traffic entering a router on the last multiprotocol label switching (MPLS) hop of an IPv4 MPLS virtual private network (VPN).	NDE for VRF Interfaces

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(33)SRA	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.2(33)SRA	NetFlow Input Filters	The NetFlow Input Filters feature provides NetFlow data for a specific subset of traffic by letting you create filters to select flows for NetFlow processing. For example, you can select flows from a specific group of hosts. This feature also lets you select various sampling rates for selected flows. The NetFlow Input Filters feature is used, for example, for class-based traffic analysis and monitoring on-network or off-network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
12.2(33)SRD	NetFlow MIB	The NetFlow MIB feature provides MIB objects to allow you to monitor flow cache information, the current NetFlow configuration, and statistics.	Configuring SNMP and using the NetFlow MIB to Monitor NetFlow Data
12.2(33)SRA	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches
12.2(33)SRA	NetFlow Multicast Support	The NetFlow Multicast Support feature lets you capture multicast-specific data (both packets and bytes) for multicast flows. For example, you can capture the packet-replication factor for a specific flow as well as for each outgoing stream. This feature provides complete end-to-end usage information about network traffic for a complete multicast traffic billing solution.	Configuring NetFlow Multicast Accounting
12.2(33)SRA	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.2(33)SRA	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export
12.2(33)SRA	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(33)SRA	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
12.2(33)SRB	NetFlow v9 For IPv6	The NetFlow v9 For IPv6 feature adds version 9 export support for IPv6.	NetFlow v9 For IPv6
12.2(33)SRA	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
Cisco IOS Software Release 12.2SX			
12.2(18)SXF	Egress NetFlow Accounting	The Egress NetFlow Accounting feature allows NetFlow statistics to be gathered on egress traffic (traffic that is exiting the router). Previous versions of NetFlow allowed statistics to be gathered only on ingress traffic (traffic that is entering the router).	Configuring NetFlow and NetFlow Data Export
12.2(18)SXE	MPLS Egress NetFlow Accounting	The MPLS Egress NetFlow Accounting feature allows you to capture IP flow information for packets undergoing MPLS label disposition; that is, packets that arrive on a router as MPLS packets and are transmitted as IP packets.	Configuring MPLS Egress NetFlow Accounting and Analysis
12.2(33)SXI	NetFlow Accounting for Unicast and Multicast on GRE tunnel interface	GRE is a tunneling protocol developed by Cisco that can encapsulate a wide variety of protocol packet types inside IP tunnels, creating a virtual point-to-point link to Cisco routers at remote points over an IP internetwork. This feature provides netflow accounting for IP v4 unicast and multicast flows over GRE tunnels. It provides accounting for packets entering as well as exiting a tunnel interface.	Configuring Netflow Accounting for Unicast and Multicast on GRE Tunnel Interfaces

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(18)SXF	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.2SX[1]	NetFlow Input Filters	The NetFlow Input Filters feature provides NetFlow data for a specific subset of traffic by letting you create filters to select flows for NetFlow processing. For example, you can select flows from a specific group of hosts. This feature also lets you select various sampling rates for selected flows. The NetFlow Input Filters feature is used, for example, for class-based traffic analysis and monitoring on-network or off-network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
12.2SX[1]	NetFlow MIB and Top Talkers	The NetFlow MIB and Top Talkers feature uses NetFlow functionality to obtain information regarding heaviest traffic patterns and most-used applications in the network.	Configuring NetFlow Top Talkers using Cisco IOS CLI Commands or SNMP Commands
12.2(18)SXF	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches
12.2(18)SXF	NetFlow Multicast Support	The NetFlow Multicast Support feature lets you capture multicast-specific data (both packets and bytes) for multicast flows. For example, you can capture the packet-replication factor for a specific flow as well as for each outgoing stream. This feature provides complete end-to-end usage information about network traffic for a complete multicast traffic billing solution.	Configuring NetFlow Multicast Accounting
12.2(18)SXE	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.2(33)SXH	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.2(18)SXF	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches
12.2(18)SXF	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
12.2(33)SXH	NetFlow v9 For IPv6	The NetFlow v9 For IPv6 feature adds version 9 export support for IPv6.	NetFlow v9 For IPv6
12.2(18)SXF	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
Cisco IOS Software Releases 12.2T, 12.3, 12.3T, 12.4, 12.4T and 15.0M			
12.3(11)T	Egress NetFlow Accounting	The Egress NetFlow Accounting feature allows NetFlow statistics to be gathered on egress traffic (traffic that is exiting the router). Previous versions of NetFlow allowed statistics to be gathered only on ingress traffic (traffic that is entering the router).	Configuring NetFlow and NetFlow Data Export
12.3(8)T	MPLS-aware NetFlow	Multiprotocol Label Switching (MPLS)-aware NetFlow is an extension of the NetFlow accounting feature that provides highly granular traffic statistics for Cisco routers. MPLS-aware NetFlow collects statistics on a per-flow basis just as NetFlow does. MPLS-aware NetFlow uses the NetFlow Version 9 export format.	Configuring MPLS-aware NetFlow

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.3(11)T	MPLS Egress NetFlow Accounting	The MPLS Egress NetFlow Accounting feature allows you to capture IP flow information for packets undergoing MPLS label disposition; that is, packets that arrive on a router as MPLS packets and are transmitted as IP packets.	Configuring MPLS Egress NetFlow Accounting and Analysis
12.3(1)	NetFlow BGP Next Hop Support	The NetFlow Border Gateway Protocol (BGP) Next Hop Support feature lets you measure network traffic on a per BGP next hop basis. Without the NetFlow BGP Next Hop Support feature, NetFlow exports only IP next hop information (which provides data on only the next router); this feature adds BGP next hop information to the data export.	Configuring NetFlow BGP Next Hop Support for Accounting and Analysis
12.4(4)T	NetFlow Dynamic Top Talkers CLI	The NetFlow Dynamic Top Talkers CLI feature gives you an overview of the highest volume traffic in your network by aggregating flows on a common field. For example, you can aggregate all of the flows for a destination network by aggregating them on the destination prefix.	Detecting and Analyzing Network Threats With NetFlow
12.3(4)T	NetFlow Input Filters	The NetFlow Input Filters feature provides NetFlow data for a specific subset of traffic by letting you create filters to select flows for NetFlow processing. For example, you can select flows from a specific group of hosts. This feature also lets you select various sampling rates for selected flows. The NetFlow Input Filters feature is used, for example, for class-based traffic analysis and monitoring on-network or off-network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
12.3(14)T	NetFlow Layer 2 and Security Monitoring Exports	The NetFlow Layer 2 and Security Monitoring Exports feature adds the ability for NetFlow to capture the values from several fields in Layer 3 IP traffic and Layer 2 LAN traffic to obtain information that can be used to classify and identify network traffic. This information can be used to help identify network attacks and their origin.	NetFlow Layer 2 and Security Monitoring Exports
12.3(7)T	NetFlow MIB	The NetFlow MIB feature provides MIB objects to allow you to monitor flow cache information, the current NetFlow configuration, and statistics.	Configuring SNMP and using the NetFlow MIB to Monitor NetFlow Data
12.3(11)T	NetFlow MIB and Top Talkers	The NetFlow MIB and Top Talkers feature uses NetFlow functionality to obtain information regarding heaviest traffic patterns and most-used applications in the network.	Configuring NetFlow Top Talkers using Cisco IOS CLI Commands or SNMP Commands
12.1(2)T	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.3(1)	NetFlow Multicast Support	The NetFlow Multicast Support feature lets you capture multicast-specific data (both packets and bytes) for multicast flows. For example, you can capture the packet-replication factor for a specific flow as well as for each outgoing stream. This feature provides complete end-to-end usage information about network traffic for a complete multicast traffic billing solution.	Configuring NetFlow Multicast Accounting
12.2(2)T	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
12.4(4)T	NetFlow Reliable Export with SCTP	The NetFlow Reliable Export With SCTP feature provides a more robust and flexible method for exporting NetFlow data to collectors than UDP, which was the only transport option prior to the introduction of this feature.	NetFlow Reliable Export with SCTP
12.2(15)T	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export
12.2(4)T	NetFlow ToS-Based Router Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches
12.3(1)	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
12.3(2)T	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
12.4(2)T	Support for capturing the value from the fragment offset field of IP headers added to NetFlow Layer 2 and Security Monitoring Exports[2]	The NetFlow Layer 2 and Security Monitoring Exports feature enables the capture of values from fields in Layer 3 and Layer 2 of IP traffic for accounting and security analysis.	Detecting and Analyzing Network Threats With NetFlow
Cisco IOS XE Software Release			
2.1	Egress NetFlow Accounting	The Egress NetFlow Accounting feature allows NetFlow statistics to be gathered on egress traffic (traffic that is exiting the router). Previous versions of NetFlow allowed statistics to be gathered only on ingress traffic (traffic that is entering the router).	Configuring NetFlow and NetFlow Data Export
2.1	NetFlow Aggregation	The NetFlow ToS-Based Router Aggregation feature enables you to limit router-based type of service (ToS) aggregation of NetFlow export data. The aggregation of export data provides a summarized NetFlow export data that can be exported to a collection device. The result is lower bandwidth requirements for NetFlow export data and reduced platform requirements for NetFlow data collection devices.	Configuring NetFlow Aggregation Caches
2.1	NetFlow Minimum Prefix Mask for Router-Based Aggregation	The NetFlow Minimum Prefix Mask for Router-Based Aggregation feature allows you to set a minimum mask size for prefix aggregation, destination-prefix aggregation, and source-prefix aggregation schemes.	Configuring NetFlow Aggregation Caches
2.1	NetFlow Multiple Export Destinations	The NetFlow Multiple Export Destinations feature enables configuration of multiple destinations of the NetFlow data.	Configuring NetFlow and NetFlow Data Export
2.1	NetFlow Subinterface Support	The NetFlow Subinterface Support feature provides the ability to enable NetFlow on a per-subinterface basis.	Configuring NetFlow and NetFlow Data Export

Table 1 Supported Cisco IOS NetFlow Features (continued)

Release	Feature Name	Feature Description	Where Documented
2.1	NetFlow v9 Export Format	NetFlow Version 9 is a flexible and extensible format that provides the versatility needed to support new fields and record types. This format accommodates new NetFlow-supported technologies such as Multicast, Multiprotocol Label Switching (MPLS), and Border Gateway Protocol (BGP) next hop. The distinguishing feature of the NetFlow Version 9 format is that it is template based.	Configuring NetFlow and NetFlow Data Export
2.1	Random Sampled NetFlow	Random Sampled NetFlow 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). Packets are sampled as they arrive (before any NetFlow cache entries are made for those packets). Statistical traffic sampling substantially reduces consumption of router resources (especially CPU resources) while providing valuable NetFlow data. The main uses of Random Sampled NetFlow are traffic engineering, capacity planning, and applications where full NetFlow is not needed for an accurate view of network traffic.	Using NetFlow Filtering or Sampling to Select the Network Traffic to Track
Cisco IOS Software Release 12.2ZY			
12.2(18)ZYA2	Application-aware NetFlow	Application-aware NetFlow enables the capture of application information collected by PISA NBAR and exports using NetFlow Version 9.	NetFlow Layer 2 and Security Monitoring Exports
Cisco IOS Software Release 12.2SY			
12.2(50)SY		NetFlow is not supported in 12.2SY. The existing NetFlow commands are automatically converted to Flexible NetFlow commands. For more information, see the *Cisco IOS Flexible NetFlow Configuration Guide, 12.2SY.*	

1. This feature is supported in the Cisco IOS Release 12.2SX train. Support in a specific 12.2SX release of this train depends on your feature set, platform, and platform hardware.
2. This is a minor enhancement. Minor enhancements are not typically listed in Feature Navigator.