Equivalent MIB Objects for Frame Relay show Commands

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Introduction

This document covers the equivalent MIB objects that provide the pieces of information contained in various Frame Relay verification commands. NMS applications and/or scripts can potentially use this information.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Configuration

This output shows a relevant portion of the configuration that this document uses:

```
FrameRelayRouter#show running−configuration
Building configuration...

Current configuration : 2045 bytes
!
version 12.1
...
!
interface Serial3/1/0
```

```
 no ip address
 encapsulation frame-relay
 no fair-queue
 frame-relay traffic-shaping
 frame-relay lmi-type cisco
!
interface Serial3/1/0.100 point-to-point
 description to FRSpoke1
 ip address 10.1.1.1 255.255.255.252
 frame-relay interface-dlci 401
  class 512K
!
interface Serial3/1/0.120 point-to-point
 description to FRSpoke2
 ip address 10.1.2.1 255.255.255.252
 frame-relay interface-dlci 402
  class 768K
!
...
!
map-class frame-relay 512K
 frame-relay mincir 512000
 frame-relay traffic-rate 512000 768000
 frame-relay adaptive-shaping becn
!
map-class frame-relay 768K
 frame-relay mincir 768000
 frame-relay traffic-rate 768000 1536000
 no frame-relay adaptive-shaping
snmp-server community public RO
!
...
end
```

Frame Relay Commands

These sections show the MIB objects that correspond to the output of these Frame Relay verification commands:

- **show traffic−shape**
- **show traffic−shape statistics**
- **show frame−relay pvc**
- **show frame−relay map**

The information contained in these Frame Relay verification commands can be extracted from RFC1315−MIB and CISCO−FRAME−RELAY−MIB.

show traffic−shape

Note: The bold text in the **show traffic−shape** command is outlined in the Equivalent MIB Objects section.

```
FrameRelayHub#show traffic-shape

Interface   Se3/1/0.100
       Access Target    Byte     Sustain      Excess     Interval  Increment Adapt
VC     List   Rate      Limit     bits/int    bits/int   (ms)      (bytes)   Active
401(A1)       512000(A2)40000(A3) 512000(A4)  256000(A5) 125(A6)   8000(A7)   -(A8)
Interface   Se3/1/0.120
       Access Target    Byte   Sustain   Excess    Interval  Increment Adapt
VC     List   Rate      Limit  bits/int  bits/int  (ms)      (bytes)   Active
402           768000    102000 768000    768000    63        6048      BECN
```

Equivalent MIB Objects

```
A1      RFC1315-MIB::frCircuitDlci.1.401 = INTEGER: 401
        RFC1315-MIB::frCircuitDlci.1.402 = INTEGER: 402

A2      RFC1315-MIB::frCircuitCommittedBurst.1.401 = INTEGER: 512000
        RFC1315-MIB::frCircuitCommittedBurst.1.402 = INTEGER: 768000
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitMinThruputOut.1.401 =
        INTEGER: 512000 bits per second
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitMinThruputOut.1.402 =
        INTEGER: 768000 bits per second

A3      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeByteLimit.1.401 =
        INTEGER: 40000 octets
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeByteLimit.1.402 =
        INTEGER: 102000 octets

A4      RFC1315-MIB::frCircuitThroughput.1.401 = INTEGER: 512000
        RFC1315-MIB::frCircuitThroughput.1.402 = INTEGER: 768000

A5      RFC1315-MIB::frCircuitExcessBurst.1.401 = INTEGER: 256000
        RFC1315-MIB::frCircuitExcessBurst.1.402 = INTEGER: 768000

A6      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeInterval.1.401 =
        INTEGER: 125 milliseconds
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeInterval.1.402 =
        INTEGER: 63 milliseconds

A7      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeByteIncrement.1.401 =
        INTEGER: 8000 octets
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeByteIncrement.1.402 =
        INTEGER: 6048 octets

A8      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeAdapting.1.401 = INTEGER: none(1)
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeAdapting.1.402 = INTEGER: becn(2)
```

Note: No MIB Object maintains the value contained in the `Access List` portion of the **show traffic-shape** command.

show traffic-shape statistics

Note: The bold text in the **show traffic-shape statistics** command is outlined in the Equivalent MIB Objects section.

```
FrameRelayHub#show traffic-shape statistics
                 Acc. Queue Packets   Bytes     Packets   Bytes     Shaping
I/F              List Depth                     Delayed   Delayed   Active
Se3/1/0.100(B1)        0     105(B2)  37155(B3)  0(B4)     0(B5)     no(B6)

Se3/1/0.120            0     95       36130      0         0         no
```

Equivalent MIB Objects

```
B1      CISCO-FRAME-RELAY-MIB::cfrExtCircuitIfName.1.401 = STRING: Serial3/1/0.100
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitIfName.1.402 = STRING: Serial3/1/0.120

B2      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapePkts.1.401 = Counter32: 105
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapePkts.1.402 = Counter32: 95

B3      CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeBytes.1.401 =
        Counter32: 37155 octets
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeBytes.1.402 =
        Counter32: 36130 octets
```

```
B4      CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePktsDelay.1.401 = Counter32: 0
        CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePktsDelay.1.402 = Counter32: 0

B5      CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytesDelay.1.401 =
        Counter32: 0 octets
        CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytesDelay.1.402 =
        Counter32: 0 octets

B6      CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeActive.1.401 = INTEGER: false(2)
        CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeActive.1.402 = INTEGER: false(2)
```

Note: No MIB Object maintains the value contained in the `Access List` or `Queue Depth` portions of the **show traffic−shape** command.

Note: The cfrExtCircuitEntry MIB object from CISCO−FRAME−RELAY−MIB does not monitor the **show traffic−shape statistics** command when Generic Traffic Shaping (GTS) is enabled. It only monitors the command when Frame Relay Traffic Shaping is configured. There are no MIB Objects that monitor the **show traffic−shape statistics** CLI command when GTS is configured.

show frame−relay pvc

Note: The bold text in the **show frame−relay pvc** command is outlined in the Equivalent MIB Objects section.

```
FrameRelayHub#show frame−relay pvc

PVC Statistics for interface Serial3/1/0 (Frame Relay DTE)

              Active     Inactive      Deleted       Static
  Local          2            0            0            0
  Switched       0            0            0            0
  Unused         0            0            0            0

DLCI = 401(C1), DLCI USAGE = LOCAL, PVC STATUS = ACTIVE(C2),
INTERFACE = Serial3/1/0.100(C3)

  input pkts 11(C4)           output pkts 104(C5)        in bytes 1074(C6)
  out bytes 37121(C7)         dropped pkts 0           in FECN pkts 0(C8)
  in BECN pkts 0(C9)          out FECN pkts 0(C10)       out BECN pkts 0(C11)
  in DE pkts 0(C12)           out DE pkts 0(C13)
  out bcast pkts 94(C14)      out bcast bytes 36081(C15)
  Shaping adapts to BECN(C16)
  pvc create time 01:37:22(C17), last time pvc status changed 01:31:03(C18)

DLCI = 402, DLCI USAGE = LOCAL, PVC STATUS = ACTIVE, INTERFACE = Serial3/1/0.120

  input pkts 1             output pkts 94           in bytes 34
  out bytes 36096          dropped pkts 0           in FECN pkts 0
  in BECN pkts 0           out FECN pkts 0          out BECN pkts 0
  in DE pkts 0             out DE pkts 0
  out bcast pkts 94         out bcast bytes 36096
  pvc create time 01:37:24, last time pvc status changed 01:31:04
```

Equivalent MIB Objects

```
C1      RFC1315−MIB::frCircuitDlci.1.401 = INTEGER: 401
        RFC1315−MIB::frCircuitDlci.1.402 = INTEGER: 402

C2      RFC1315−MIB::frCircuitState.1.401 = INTEGER: active(2)
        RFC1315−MIB::frCircuitState.1.402 = INTEGER: active(2)
```

```
C3      CISCO-FRAME-RELAY-MIB::cfrExtCircuitIfName.1.401 = STRING: Serial3/1/0.100
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitIfName.1.402 = STRING: Serial3/1/0.120

C4      RFC1315-MIB::frCircuitReceivedFrames.1.401 = Counter32: 11
        RFC1315-MIB::frCircuitReceivedFrames.1.402 = Counter32: 1

C5      RFC1315-MIB::frCircuitReceivedOctets.1.401 = Counter32: 1074
        RFC1315-MIB::frCircuitReceivedOctets.1.402 = Counter32: 34

C6      RFC1315-MIB::frCircuitSentFrames.1.401 = Counter32: 104
        RFC1315-MIB::frCircuitSentFrames.1.402 = Counter32: 94

C7      RFC1315-MIB::frCircuitSentOctets.1.401 = Counter32: 37121
        RFC1315-MIB::frCircuitSentOctets.1.402 = Counter32: 36096

C8      RFC1315-MIB::frCircuitReceivedFECNs.1.401 = Counter32: 0
        RFC1315-MIB::frCircuitReceivedFECNs.1.402 = Counter32: 0

C9      RFC1315-MIB::frCircuitReceivedBECNs.1.401 = Counter32: 0
        RFC1315-MIB::frCircuitReceivedBECNs.1.402 = Counter32: 0

C10     CISCO-FRAME-RELAY-MIB::cfrExtCircuitFECNOuts.1.401 = Counter32: 0
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitFECNOuts.1.402 = Counter32: 0

C11     CISCO-FRAME-RELAY-MIB::cfrExtCircuitBECNOuts.1.401 = Counter32: 0
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitBECNOuts.1.402 = Counter32: 0

C12     CISCO-FRAME-RELAY-MIB::cfrCircuitDEins.1.401 = Counter32: 0 packets
        CISCO-FRAME-RELAY-MIB::cfrCircuitDEins.1.402 = Counter32: 0 packets

C13     CISCO-FRAME-RELAY-MIB::cfrCircuitDEouts.1.401 = Counter32: 0 packets
        CISCO-FRAME-RELAY-MIB::cfrCircuitDEouts.1.402 = Counter32: 0 packets

C14     CISCO-FRAME-RELAY-MIB::cfrExtCircuitBcastPktOuts.1.401 = Counter32: 94
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitBcastPktOuts.1.402 = Counter32: 94

C15     CISCO-FRAME-RELAY-MIB::cfrExtCircuitBcastByteOuts.1.401 = Counter32: 36081
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitBcastByteOuts.1.402 = Counter32: 36096

C16     CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeAdapting.1.401 = INTEGER: becn(2)
        CISCO-FRAME-RELAY-MIB::cfrExtCircuitShapeAdapting.1.402 = INTEGER: none(1)

C17     RFC1315-MIB::frCircuitCreationTime.1.401 = Timeticks: (433) 0:00:04.33
        RFC1315-MIB::frCircuitCreationTime.1.402 = Timeticks: (436) 0:00:04.36

C18     RFC1315-MIB::frCircuitLastTimeChange.1.401 = Timeticks: (38350) 0:06:23.50
        RFC1315-MIB::frCircuitLastTimeChange.1.402 = Timeticks: (38350) 0:06:23.50
```

show frame-relay map

Note: The bold text in the **show frame-relay map** command is outlined in the Equivalent MIB Objects section.

```
FrameRelayHub#show frame-relay map
Serial3/1/0.100(D1) (up): point-to-point(D2) dlci, dlci 401(D3)(0x191,0x6410),
       broadcast(D4)
          status defined, active(D5)
Serial3/1/0.120 (up): point-to-point dlci, dlci 402(0x192,0x6420), broadcast
          status defined, active
```

Equivalent MIB Objects

```
D1      CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfName.1.401 = STRING: Serial3/1/0.100
        CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfName.1.402 = STRING: Serial3/1/0.120

D2      CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfType.1.401 = INTEGER: pointToPoint(2)
        CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfType.1.402 = INTEGER: pointToPoint(2)

D3      RFC1315−MIB::frCircuitDlci.1.401 = INTEGER: 401
        RFC1315−MIB::frCircuitDlci.1.402 = INTEGER: 402

D4      CISCO−FRAME−RELAY−MIB::cfrMapBroadcast.1.401.1 = INTEGER: true(1)
        CISCO−FRAME−RELAY−MIB::cfrMapBroadcast.1.402.1 = INTEGER: true(1)

D5      RFC1315−MIB::frCircuitState.1.401 = INTEGER: active(2)
        RFC1315−MIB::frCircuitState.1.402 = INTEGER: active(2)
```

Note: The cfrExtCircuitBandwidth MIB object from CISCO−FRAME−RELAY−MIB monitors the `BW` value of the **show frame−relay map** output if it is available. This value is provided in the LMI from the Telco's Frame Relay switch.

Appendix

This output shows the complete **snmpwalk** of frCircuitEntry from RFC1315−MIB at the time of the Frame Relay verification commands shown in this document:

```
snmpwalk −c public 172.16.140.250 RFC1315−MIB:frCircuitEntry
RFC1315−MIB::frCircuitIfIndex.1.401 = INTEGER: 1
RFC1315−MIB::frCircuitIfIndex.1.402 = INTEGER: 1
RFC1315−MIB::frCircuitDlci.1.401 = INTEGER: 401
RFC1315−MIB::frCircuitDlci.1.402 = INTEGER: 402
RFC1315−MIB::frCircuitState.1.401 = INTEGER: active(2)
RFC1315−MIB::frCircuitState.1.402 = INTEGER: active(2)
RFC1315−MIB::frCircuitReceivedFECNs.1.401 = Counter32: 0
RFC1315−MIB::frCircuitReceivedFECNs.1.402 = Counter32: 0
RFC1315−MIB::frCircuitReceivedBECNs.1.401 = Counter32: 0
RFC1315−MIB::frCircuitReceivedBECNs.1.402 = Counter32: 0
RFC1315−MIB::frCircuitSentFrames.1.401 = Counter32: 104
RFC1315−MIB::frCircuitSentFrames.1.402 = Counter32: 94
RFC1315−MIB::frCircuitSentOctets.1.401 = Counter32: 37121
RFC1315−MIB::frCircuitSentOctets.1.402 = Counter32: 36096
RFC1315−MIB::frCircuitReceivedFrames.1.401 = Counter32: 11
RFC1315−MIB::frCircuitReceivedFrames.1.402 = Counter32: 1
RFC1315−MIB::frCircuitReceivedOctets.1.401 = Counter32: 1074
RFC1315−MIB::frCircuitReceivedOctets.1.402 = Counter32: 34
RFC1315−MIB::frCircuitCreationTime.1.401 = Timeticks: (433) 0:00:04.33
RFC1315−MIB::frCircuitCreationTime.1.402 = Timeticks: (436) 0:00:04.36
RFC1315−MIB::frCircuitLastTimeChange.1.401 = Timeticks: (38350) 0:06:23.50
RFC1315−MIB::frCircuitLastTimeChange.1.402 = Timeticks: (38350) 0:06:23.50
RFC1315−MIB::frCircuitCommittedBurst.1.401 = INTEGER: 512000
RFC1315−MIB::frCircuitCommittedBurst.1.402 = INTEGER: 768000
RFC1315−MIB::frCircuitExcessBurst.1.401 = INTEGER: 256000
RFC1315−MIB::frCircuitExcessBurst.1.402 = INTEGER: 768000
RFC1315−MIB::frCircuitThroughput.1.401 = INTEGER: 512000
RFC1315−MIB::frCircuitThroughput.1.402 = INTEGER: 768000
```

This output shows the complete **snmpwalk** of cfrExtCircuitEntry from CISCO−FRAME−RELAY−MIB at the time of the Frame Relay verification commands shown in this document:

```
snmpwalk −c public 172.16.140.250 CISCO−FRAME−RELAY−MIB:cfrExtCircuitEntry
CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfName.1.401 = STRING: Serial3/1/0.100
CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfName.1.402 = STRING: Serial3/1/0.120
```

```
CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfType.1.401 = INTEGER: pointToPoint(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitIfType.1.402 = INTEGER: pointToPoint(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitSubifIndex.1.401 = INTEGER: 7
CISCO−FRAME−RELAY−MIB::cfrExtCircuitSubifIndex.1.402 = INTEGER: 8
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMapStatus.1.401 = INTEGER: 63
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMapStatus.1.402 = INTEGER: 63
CISCO−FRAME−RELAY−MIB::cfrExtCircuitCreateType.1.401 = INTEGER: static(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitCreateType.1.402 = INTEGER: static(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMulticast.1.401 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMulticast.1.402 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitRoutedDlci.1.401 = INTEGER: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitRoutedDlci.1.402 = INTEGER: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitRoutedIf.1.401 = INTEGER: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitRoutedIf.1.402 = INTEGER: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitUncompressIns.1.401 = Counter32: 1074 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitUncompressIns.1.402 = Counter32: 34 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitUncompressOuts.1.401 = Counter32: 37121 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitUncompressOuts.1.402 = Counter32: 36096 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitFECNOuts.1.401 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitFECNOuts.1.402 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBECNOuts.1.401 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBECNOuts.1.402 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMinThruputOut.1.401 =
 INTEGER: 512000 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMinThruputOut.1.402 =
 INTEGER: 768000 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMinThruputIn.1.401 =
 INTEGER: 0 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitMinThruputIn.1.402 = INTEGER: 0 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBcastPktOuts.1.401 = Counter32: 94
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBcastPktOuts.1.402 = Counter32: 94
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBcastByteOuts.1.401 = Counter32: 36081
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBcastByteOuts.1.402 = Counter32: 36096
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBandwidth.1.401 = INTEGER: 0 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitBandwidth.1.402 = INTEGER: 0 bits per second
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeByteLimit.1.401 = INTEGER: 40000 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeByteLimit.1.402 = INTEGER: 102000 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeInterval.1.401 = INTEGER: 125 milliseconds
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeInterval.1.402 = INTEGER: 63 milliseconds
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeByteIncrement.1.401 = INTEGER: 8000 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeByteIncrement.1.402 = INTEGER: 6048 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePkts.1.401 = Counter32: 105
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePkts.1.402 = Counter32: 95
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytes.1.401 = Counter32: 37155 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytes.1.402 = Counter32: 36130 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePktsDelay.1.401 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapePktsDelay.1.402 = Counter32: 0
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytesDelay.1.401 = Counter32: 0 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeBytesDelay.1.402 = Counter32: 0 octets
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeActive.1.401 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeActive.1.402 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeAdapting.1.401 = INTEGER: none(1)
CISCO−FRAME−RELAY−MIB::cfrExtCircuitShapeAdapting.1.402 = INTEGER: becn(2)
```

This output shows the complete **snmpwalk** of cfrCircuitEntry from CISCO−FRAME−RELAY−MIB at the time of the Frame Relay verification commands shown in this document:

```
snmpwalk −c public 172.16.140.250 CISCO−FRAME−RELAY−MIB:cfrCircuitEntry
CISCO−FRAME−RELAY−MIB::cfrCircuitDEins.1.401 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitDEins.1.402 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitDEouts.1.401 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitDEouts.1.402 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitDropPktsOuts.1.401 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitDropPktsOuts.1.402 = Counter32: 0 packets
CISCO−FRAME−RELAY−MIB::cfrCircuitType.1.401 = INTEGER: pvc(1)
```

```
CISCO−FRAME−RELAY−MIB::cfrCircuitType.1.402 = INTEGER: pvc(1)
```

This output shows the complete **snmpwalk** of cfrMapEntry from CISCO−FRAME−RELAY−MIB at the time of the Frame Relay verification commands shown in this document:

```
snmpwalk −c public 172.16.140.250 CISCO−FRAME−RELAY−MIB:cfrMapEntry
CISCO−FRAME−RELAY−MIB::cfrMapIndex.1.401.1 = INTEGER: 1
CISCO−FRAME−RELAY−MIB::cfrMapIndex.1.402.1 = INTEGER: 1
CISCO−FRAME−RELAY−MIB::cfrMapProtocol.1.401.1 = INTEGER: wildcard(999)
CISCO−FRAME−RELAY−MIB::cfrMapProtocol.1.402.1 = INTEGER: wildcard(999)
CISCO−FRAME−RELAY−MIB::cfrMapAddress.1.401.1 = STRING: "point−to−point"
CISCO−FRAME−RELAY−MIB::cfrMapAddress.1.402.1 = STRING: "point−to−point"
CISCO−FRAME−RELAY−MIB::cfrMapType.1.401.1 = INTEGER: static(1)
CISCO−FRAME−RELAY−MIB::cfrMapType.1.402.1 = INTEGER: static(1)
CISCO−FRAME−RELAY−MIB::cfrMapEncaps.1.401.1 = INTEGER: cisco(2)
CISCO−FRAME−RELAY−MIB::cfrMapEncaps.1.402.1 = INTEGER: cisco(2)
CISCO−FRAME−RELAY−MIB::cfrMapBroadcast.1.401.1 = INTEGER: true(1)
CISCO−FRAME−RELAY−MIB::cfrMapBroadcast.1.402.1 = INTEGER: true(1)
CISCO−FRAME−RELAY−MIB::cfrMapPayloadCompress.1.401.1 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrMapPayloadCompress.1.402.1 = INTEGER: false(2)
CISCO−FRAME−RELAY−MIB::cfrMapTcpHdrCompress.1.401.1 = INTEGER: inapplicable(1)
CISCO−FRAME−RELAY−MIB::cfrMapTcpHdrCompress.1.402.1 = INTEGER: inapplicable(1)
CISCO−FRAME−RELAY−MIB::cfrMapRtpHdrCompress.1.401.1 = INTEGER: inapplicable(1)
CISCO−FRAME−RELAY−MIB::cfrMapRtpHdrCompress.1.402.1 = INTEGER: inapplicable(1)
CISCO−FRAME−RELAY−MIB::cfrMapPayloadCompressType.1.401.1 = INTEGER: inapplicable(1)
CISCO−FRAME−RELAY−MIB::cfrMapPayloadCompressType.1.402.1 = INTEGER: inapplicable(1)
```

Related Information

- **Cisco IOS MIB Tools**
- **Cisco SNMP Object Navigator**
- **SNMP Tech Notes**
- **Technical Support − Cisco Systems**

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