

## Show Commands

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# show config

To display the current values of various tunable subnet manager parameters and the current state of the Subnet Manager, use the **show config** command.

## show config

**Syntax Description** This command has no arguments or keywords.

**Defaults** This command has no default settings.

**Usage Guidelines** Use this command to view the results of the configuration commands that you use and to view the current state of the subnet manager.

**Examples** `ib_sm> show config`

```

=====
                        Subnet Manager Configuration
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
        guid       : 00:05:ad:00:00:04:e5:25
          priority  : 11
            sm-key  : 00:00:00:00:00:00:00:00
              oper-status : master
                act-count : 3319
                  sweep-interval(sec) : 10
                    response-timeout(msec) : 200
                      mad-retries : 5
                        node-timeout : 10
                          master-poll-interval(sec) : 3
                            master-poll-retries : 2
                              max-active-sms : 0
                                LID-mask-control : 0
                                  switch-life-time : 18
                                    sw-link-hoqlife : 18
                                      ca-link-hoqlife : 18
                                        max-hops : 64
                                          wait-report-response : false
                                            sa-mad-queue-depth : 256
                                              local-node-retries : 10
                                                qos-admin-state : disabled
                                                  max-operational-vl : auto-link
                                                    min-vl-cap-detected : vl0-vl7
                                                      max-multicast-groups : 20480
                                                        max-multicast-ports : 12288
                                                          max-multicast-lids : 1024
                                                            multicast-lid-overloading : enabled
                                                              ipv6-ND-group-bundling : enabled

```

**Related Commands** This command relates to many commands in the [Configure Commands](#) chapter.

# show db-sync

To display the current configuration and status of the database synchronization (db-sync) feature, use the **show db-sync** command.

**show db-sync [sm-list]**

<b>Syntax Description</b>	<b>sm-list</b>	(Optional) Displays the list of all standby subnet managers that are selected to synchronize with the master subnet manager.
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**Defaults** This command has no default settings.

**Usage Guidelines** Use this command to determine the status and control parameters of the Database Synchronization feature.

## Examples

ib\_sm> **show db-sync**

```

=====
                        DB Sync Configuration and Status
=====
    protocol-version : 25
      admin-state   : enabled
    max-dbsync-sms  : 1
    session-timeout(sec) : 10
      poll-interval(sec) : 3
    cold-sync-timeout(sec) : 10
      cold-sync-limit : 2
    cold-sync-period(sec) : 900
    new-session-delay(sec) : 120
      resync-interval(sec) : 3600
      state : not in-sync

```

ib\_sm> **show db-sync sm-list**

```

=====
                        DB Synchronizing SMs
=====
    port-guid : 00:05:ad:00:00:01:29:ab
      entry-state : active
    session-state : active
    session-timeout-current(sec) : 10
      poll-interval-current(sec) : 3
    new-session-delay-current(sec) : 120
      resync-interval-current(sec) : 3027
      state : in-sync

```

**Related Commands** [config db-sync cold-sync-limit, page 3-5](#)  
[config db-sync cold-sync-period, page 3-6](#)

[config db-sync cold-sync-timeout, page 3-7](#)  
[config db-sync disable, page 3-8](#)  
[config db-sync enable, page 3-9](#)  
[config db-sync max-dbsync-sms, page 3-10](#)  
[config db-sync new-session-delay, page 3-11](#)  
[config db-sync poll-interval, page 3-12](#)  
[config db-sync resync-interval, page 3-13](#)  
[config db-sync session-timeout, page 3-14](#)

# show lft

To display the contents of the linear forwarding tables on switches in the subnet, use the **show lft** command.

```
show lft [-n guid] [-l lid] [-q]
```

Syntax Description		
<b>-n</b>	(Optional) Displays only the linear forwarding table for the switch with the specified GUID.	
<i>guid</i>	(Optional) Specifies a switch.	
<b>-l</b>	(Optional) Displays only the linear forwarding table for the specified LID.	
<i>lid</i>	(Optional) Specifies a LID.	
<b>-q</b>	(Optional) Queries actual switches in the network and shows the result instead of displaying the internal cached copy of the data in the Subnet Manager.	

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the linear forwarding table for each switch node.

## Examples

```
ib_sm> show lft
```

```

=====
                        Linear Forwarding Table
=====
node-guid                lid                port
-----                ---                ----
00:05:ad:00:00:01:60:04  2                  0
00:05:ad:00:00:01:60:04  3                  1
00:05:ad:00:00:01:60:04  889                18
00:05:ad:00:00:01:60:04  897                17
00:05:ad:00:00:01:60:04  905                5
00:05:ad:00:00:01:60:04  913                6

```

## Related Commands

[show node, page 5-12](#)

# show mft

To display the multicast forwarding tables on switches in the subnet, use the **show mft** command.

```
show mft [-n guid] [-l mlid] [-q]
```

Syntax Description		
<b>-n</b>	(Optional) Displays only the MFT for the switch with the specified GUID.	
<i>guid</i>	(Optional) Specifies a switch.	
<b>-l</b>	(Optional) Displays only the MFT for the specified multicast LID.	
<i>mlid</i>	(Optional) Specifies a MLID.	
<b>-q</b>	(Optional) Queries the actual switches in the network and shows the results instead of displaying the copy of the data cached internally in the Subnet Manager.	

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the multicast forwarding table for each switch node.

## Examples

```
ib_sm> show mft
```

```
=====
                          Multicast Forwarding Table
=====
node-guid                mlid                port-mask(0, 1, 2 ...)
-----                -
00:05:ad:00:00:01:60:04  49152              0x60    0x4
00:05:ad:00:00:01:60:04  49153              0x60    0x4
```

## Related Commands

[show node, page 5-12](#)

# show multicast

To display the multicast groups in the subnet, use the **show multicast** command.

```
show multicast [-s] [-m gid]
```

Syntax Description	
<b>-s</b>	(Optional) Displays only a summary for each multicast group. The summary includes group details but not group members.
<b>-m</b>	(Optional) Displays only the multicast group specified by <i>gid</i> .
<i>gid</i>	(Optional) Specifies the Global ID of the multicast group to display.

**Defaults** This command has no default settings.

**Usage Guidelines** Use this command to view the multicast groups in the subnet.

**Examples** `ib_sm> show multicast`

```

=====
                        All Multicast Groups
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
        mgid       : ff:12:40:1b:ff:ff:00:00:00:00:00:00:00:00:00:00:01
        q-key      : 00:00:00:0b
        mlid       : 49153
        mtu        : 2048
        t-class    : 0
        p_key      : ff:ff
        rate       : 2500 mbps
packet-life-time  : 2
        sl        : 0
        flow-label : 00:00:00
        hop-limit  : 0
        scope      : link-local
        user-configured : false

multicast-group-members :
  port-gid : fe:80:00:00:00:00:00:00:00:00:05:ad:00:00:04:e5:1d
  join-state : full-member
  proxy-join : false

  port-gid : fe:80:00:00:00:00:00:00:00:00:05:ad:00:00:04:e5:25
  join-state : full-member
  proxy-join : false

  port-gid : fe:80:00:00:00:00:00:00:00:00:05:ad:00:00:04:e5:65
  join-state : full-member
  proxy-join : false

      subnet-prefix : fe:80:00:00:00:00:00:00
        mgid       : ff:12:40:1b:ff:ff:00:00:00:00:00:00:ff:ff:ff:ff
        q-key      : 00:00:00:0b

```



```
        mlid : 49152
        mtu : 2048
    t-class : 0
    p_key : ff:ff
    rate : 2500 mbps
packet-life-time : 2
    sl : 0
    flow-label : 00:00:00
    hop-limit : 0
    scope : link-local
    user-configured : false

multicast-group-members :
    port-gid : fe:80:00:00:00:00:00:00:00:05:ad:00:00:04:e5:1d
    join-state : full-member
    proxy-join : false

    port-gid : fe:80:00:00:00:00:00:00:00:05:ad:00:00:04:e5:25
    join-state : full-member
    proxy-join : false

    port-gid : fe:80:00:00:00:00:00:00:00:05:ad:00:00:04:e5:65
    join-state : full-member
    proxy-join : false
```

**Related Commands**

[config multicast-group-ib create, page 3-31](#)  
[config multicast-group-ib delete, page 3-33](#)  
[config multicast-group-ipoib create, page 3-34](#)  
[config multicast-group-ipoib delete, page 3-36](#)

# show neighbor

To display the neighbors in the subnet so that you can describe the physical topology of the subnet, use the **show neighbor** command.


**Note**

In an InfiniBand fabric, neighbors are two ports connected by a link.

```
show neighbor [-s] [-c [chassis_guid]] | [-n node_guid]
```

**Syntax Description**

<b>-s</b>	(Optional) Displays a summary line per neighbor.
<b>-c</b>	(Optional) Displays inter-chassis links only.
<i>chassis_guid</i>	(Optional) Specifies the specific chassis to display.
<b>-n</b>	(Optional) Displays only links that connect to a given node.
<i>node_guid</i>	(Optional) Specifies the node to display.


**Note**

A chassis GUID is the unique GUID that identifies a chassis. It is based on the system image GUID of any switch node inside the chassis, with the fifth byte zeroed.

**Defaults**

This command has no default settings.

**Usage Guidelines**

Use this command to determine which devices directly connect to one another.

If the [-c [chassis-guid]] option is given, only inter-chassis links are shown.

**Examples**

```
ib_sm> show neighbor
```

```
=====
                          Subnet Management Neighbor List
=====
      local-node-guid : 00:05:ad:00:00:01:60:04
      local-node-type : switch
      local-port      : 5
      remote-node-guid : 00:05:ad:00:00:04:e5:1c
      remote-node-type : CA
      remote-port     : 1
      link-state      : active

      local-node-guid : 00:05:ad:00:00:01:60:04
      local-node-type : switch
      local-port      : 6
      remote-node-guid : 00:05:ad:00:00:04:e5:64
      remote-node-type : CA
      remote-port     : 1
      link-state      : active
```

**Related Commands** [show node, page 5-12](#)  
[show route, page 5-32](#)

# show node

To display information about one node in the subnet (a switch, a channel adapter, or a router) or all nodes, use the **show node** command.

```
show node [-s] [-n guid]
```

Syntax	Description
<b>-s</b>	(Optional) Provides a summary line for each node.
<b>-n</b>	(Optional) Provides information for only the node with the specified GUID.
<b>guid</b>	(Optional) Node GUID, in hexadecimal notation, of the single node to view.

**Defaults** Shows the node information of all switch, channel adapter, and router nodes discovered in the fabric.

**Usage Guidelines** Use this command to view the switches and hosts on the network.

## Examples

```
ib_sm> show node
=====
Subnet Management Nodes
=====
system-image-guid : 00:05:ad:03:01:01:60:04
  node-guid : 00:05:ad:00:00:01:60:04
  description : Cisco Switch SFS7000
  base-version : 1
  class-version : 1
    type : switch
  num-ports : 24
  port-guid : 00:05:ad:00:00:01:60:04
  partition-cap : 8
  device-id : b924
  revision : 000001a1
  local-portnum : 18
  vendor-id : 00:05:ad
  mirror-capable : slvl-map, mirroring

system-image-guid : 00:05:ad:00:00:04:e4:4f
  node-guid : 00:05:ad:00:00:04:e4:4c
  description : ibmg-r2-1850-2.cisco.com HCA-1 (Topspin HCAe)
  base-version : 1
  class-version : 1
    type : CA
  num-ports : 2
  port-guid : 00:05:ad:00:00:04:e4:4d
  partition-cap : 64
  device-id : 6278
  revision : 000000a0
  local-portnum : 1
  vendor-id : 00:05:ad
  mirror-capable : no-mirroring
```

**Related Commands** [show neighbor, page 5-10](#)

# show other-sm

To display other subnet managers in the subnet, use the **show other-sm** command.

```
show other-sm [-p port-guid] [-s]
```

Syntax Description		
<b>-p</b>	(Optional)	Displays only an Subnet Manager on the specified port.
<i>port-guid</i>	(Optional)	Displays the 64-bit GUID of the port to which a Subnet Manager is bound.
<b>-s</b>	(Optional)	Displays a summary of the output.

## Defaults

This command has no default settings.

## Usage Guidelines

When you run this command on the master subnet manager, all other Subnet Managers appear in the output. When you run this command on a standby Subnet Manager, only the master Subnet Manager appears in the output.

## Examples

```
ib_sm> show other-sm
```

```
=====
                        Subnet Managers in the subnet
=====
subnet-prefix : fe:80:00:00:00:00:00:00
port-guid    : 00:05:ad:00:00:01:60:04
sm-key       : 00:00:00:00:00:00:00:00
priority     : 10
sm-state     : standby
act-count    : 97
```

## Related Commands

[show config, page 5-3](#)

[show db-sync, page 5-4](#)

[show node, page 5-12](#)

# show partition

To display the partitions in the subnet, use the **show partition** command.

```
show partition [-s] [-k p_key] [-n guid [-p port]]
```

## Syntax Description

<b>-s</b>	(Optional) Displays only a three-line summary for each partition.
<b>-k</b>	(Optional) Displays only information on a given partition key.
<i>p_key</i>	(Optional) Identifies the partition key to display.
<b>-n</b>	(Optional) Displays partition keys only for the node given.
<i>guid</i>	(Optional) Identifies the node to display.
<b>-p</b>	(Optional) Displays partition keys only for the port given.
<i>port</i>	(Optional) Identifies the port to display.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the partitions on the subnet.

## Examples

```
ib_sm> show partition
```

```
=====
                          All Partitions
=====
subnet-prefix : fe:80:00:00:00:00:00:00
      p-key   : ff:ff
      ipoib   : enabled

partition-members :
  node-guid : 00:05:ad:00:00:01:60:04
  port-num  : 0
  member-type : full

  node-guid : 00:05:ad:00:00:04:e4:4c
  port-num  : 1
  member-type : full

  node-guid : 00:05:ad:00:00:04:e5:1c
  port-num  : 1
  member-type : full
```

## Related Commands

[config partition key, page 3-39](#)  
[config partition key ipoib, page 3-41](#)  
[config partition member add, page 3-43](#)  
[config partition member remove, page 3-44](#)

[config partition member type, page 3-45](#)

# show pm connection counters

To display all port counters for ports along a given path, use the **show pm connection counters** command.

**show pm connection counters** *src-lid dst-lid*

## Syntax Description

<i>src-lid</i>	Specifies the source LID of the path.
<i>dst-lid</i>	Specifies the destination LID of the path.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to display counters on one path.

## Examples

```
ib_sm> show pm connection counters 904 888
=====
PM Port Counters for specified connection
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid  : 00:05:ad:00:00:04:e5:1c
          port-num  : 1
        chassis-guid : 00:00:00:00:00:00:00:00
          slot-num  : 0
        ext-port-num : 0
        data-is-valid : true
        symbol-errors : 0
  link-recovery-errors : 0
        link-downs  : 0
          rcv-errors : 0
    rcv-remote-phy-errors : 0
  rcv-switch-relay-errors : 0
        xmit-discards : 4
    xmit-constraint-errors : 0
        rcv-constraint-errors : 0
  local-link-integrity-errors : 0
  excessive-buf-overflow-errors : 0
        vl15-dropped : 0
          xmit-data  : 4294967295
          rcv-data   : 4294967295
          xmit-pkts  : 480740164
          rcv-pkts   : 482000972

      subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid  : 00:05:ad:00:00:01:60:04
          port-num  : 5
        chassis-guid : 00:05:ad:03:00:01:60:04
          slot-num  : 1
        ext-port-num : 5
        data-is-valid : true
        symbol-errors : 0
  link-recovery-errors : 0
        link-downs  : 0
```



```

        rcv-errors : 0
        rcv-remote-phy-errors : 0
    rcv-switch-relay-errors : 2
        xmit-discards : 0
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
    local-link-integrity-errors : 0
    excessive-buf-overflow-errors : 0
        vl15-dropped : 0
            xmit-data : 4294967295
            rcv-data : 4294967295
            xmit-pkts : 481029078
            rcv-pkts : 479773158

    subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid : 00:05:ad:00:00:01:60:04
        port-num : 18
        chassis-guid : 00:05:ad:03:00:01:60:04
        slot-num : 1
        ext-port-num : 18
        data-is-valid : true
        symbol-errors : 65535
    link-recovery-errors : 0
        link-downs : 1
        rcv-errors : 0
        rcv-remote-phy-errors : 0
    rcv-switch-relay-errors : 17
        xmit-discards : 0
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
    local-link-integrity-errors : 0
    excessive-buf-overflow-errors : 0
        vl15-dropped : 0
            xmit-data : 4294967295
            rcv-data : 4294967295
            xmit-pkts : 546524355
            rcv-pkts : 546915528

    subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid : 00:05:ad:00:00:04:e5:24
        port-num : 1
        chassis-guid : 00:00:00:00:00:00:00:00
        slot-num : 0
        ext-port-num : 0
        data-is-valid : true
        symbol-errors : 0
    link-recovery-errors : 0
        link-downs : 0
        rcv-errors : 0
        rcv-remote-phy-errors : 0
    rcv-switch-relay-errors : 0
        xmit-discards : 1
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
    local-link-integrity-errors : 0
    excessive-buf-overflow-errors : 0
        vl15-dropped : 2
            xmit-data : 4294967295
            rcv-data : 4294967295
            xmit-pkts : 480573751
            rcv-pkts : 480226164

```

■ show pm connection counters

**Related Commands** [config pm connection monitor, page 3-47](#)

# show pm connection monitors

To display the connections that the PM is currently monitoring, use the **show pm connection monitors** command.

```
show pm connection monitors [-s src-lid -d dst-lid]
```

Syntax Description	
<b>-s</b>	(Optional) Displays only monitors from a specified source LID.
<i>src-lid</i>	(Optional) Specifies a source LID.
<b>-d</b>	(Optional) Displays only monitors from a specified destination LID.
<i>dst-lid</i>	(Optional) Specifies a destination LID.

**Defaults** This command has no default settings.

**Usage Guidelines** Use this display to view monitored connections.

## Examples

```
ib_sm> show pm connection monitors
```

```
=====
                        All PM Monitored Connections
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
        src-lid    : 904
        dst-lid    : 888
      error-status  : not exceeded
utilization-status : exceeded
      port-errors   : 0
utilization-errors : 2
      port-error    : 1
        node-guid   : 00:05:ad:00:00:04:e5:1c
        port-num    : 1
      chassis-guid : 00:00:00:00:00:00:00:00
        slot-num    : 0
      ext-port-num  : 0
      error-type    : xmit-rate
      port-error    : 2
        node-guid   : 00:05:ad:00:00:04:e5:24
        port-num    : 1
      chassis-guid : 00:00:00:00:00:00:00:00
        slot-num    : 0
      ext-port-num  : 0
      error-type    : rcv-rate
```

**Related Commands** [config pm connection monitor, page 3-47](#)

# show pm cumulative counters

To display the cumulative counters for the monitored ports in the network, use the **show pm cumulative counters** command.

```
show pm cumulative counters [-n guid [-p port]]
```

## Syntax Description

<b>-n</b>	(Optional) Displays counters only for a specified node.
<i>guid</i>	(Optional) Specifies a node.
<b>-p</b>	(Optional) Displays counters only for a specified port.
<i>port</i>	(Optional) Specifies a port.

## Defaults

This command has no default settings.

## Usage Guidelines

Unlike the **show pm port counters** command, the cumulative counters do not latch at 32-bits; they are all 64-bit quantities. The counters can be seen on port 5 in the example output.

## Examples

```
ib_sm> show pm cumulative counters -n 00:05:ad:00:00:01:60:04
```

```
=====
All PM Cumulative Port Counters for specified node
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid  : 00:05:ad:00:00:01:60:04
          port-num  : 1
        chassis-guid : 00:05:ad:03:00:01:60:04
          slot-num  : 1
        ext-port-num : 1
        data-is-valid : true
        error-status : not exceeded
    utilization-status : not exceeded
        symbol-errors : 0
    link-recovery-errors : 0
          link-downs  : 0
          rcv-errors  : 0
    rcv-remote-phy-errors : 0
    rcv-switch-relay-errors : 0
          xmit-discards : 0
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
    local-link-integrity-errors : 0
    excessive-buf-overflow-errors : 0
          v15-dropped : 0
          xmit-data   : 7137576
          rcv-data    : 7095816
          xmit-pkts   : 99133
          rcv-pkts    : 98553
          xmit-rate   : 0 %
          rcv-rate    : 0 %
...
      subnet-prefix : fe:80:00:00:00:00:00:00
```

```

        node-guid : 00:05:ad:00:00:01:60:04
        port-num : 5
        chassis-guid : 00:05:ad:03:00:01:60:04
        slot-num : 1
        ext-port-num : 5
        data-is-valid : true
        error-status : not exceeded
        utilization-status : exceeded
        symbol-errors : 0
        link-recovery-errors : 0
        link-downs : 0
        rcv-errors : 0
        rcv-remote-phy-errors : 0
        rcv-switch-relay-errors : 0
        xmit-discards : 0
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
        local-link-integrity-errors : 0
        excessive-buf-overflow-errors : 0
        vl15-dropped : 0
        xmit-data : 131390609
        rcv-data : 9033677402
        xmit-pkts : 5911654
        rcv-pkts : 17433824
        xmit-rate : 0 %
        rcv-rate : 0 %

        subnet-prefix : fe:80:00:00:00:00:00:00
        node-guid : 00:05:ad:00:00:01:60:04
        port-num : 6
        chassis-guid : 00:05:ad:03:00:01:60:04
        slot-num : 1
        ext-port-num : 6
        data-is-valid : true
        error-status : not exceeded
        utilization-status : not exceeded
        symbol-errors : 0
        link-recovery-errors : 0
        link-downs : 0
        rcv-errors : 0
        rcv-remote-phy-errors : 0
        rcv-switch-relay-errors : 0
        xmit-discards : 0
        xmit-constraint-errors : 0
        rcv-constraint-errors : 0
        local-link-integrity-errors : 0
        excessive-buf-overflow-errors : 0
        vl15-dropped : 0
        xmit-data : 238392
        rcv-data : 238392
        xmit-pkts : 3311
        rcv-pkts : 3311
        xmit-rate : 0 %
        rcv-rate : 0 %

```

**Related Commands** [config pm monitor state, page 3-51](#)

# show pm cumulative error counters

To display the cumulative counters for ports that have exceeded the monitored threshold on any field, use the **show pm cumulative error counters** command.

```
show pm cumulative error counters [-n guid [-p port]]
```

## Syntax Description

<b>-n</b>	(Optional) Displays counters only for a specified node.
<i>guid</i>	(Optional) Specifies a node.
<b>-p</b>	(Optional) Displays counters only for a specified port.
<i>port</i>	(Optional) Specifies a port.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the cumulative number of counters on ports.

## Examples

```
ib_sm> show pm cumulative error counters
```

```
=====
                        All PM Cumulative Error Port Counters
=====
 subnet-prefix : fe:80:00:00:00:00:00:00
   node-guid  : 00:05:ad:00:00:01:60:04
   port-num   : 5
   chassis-guid : 00:05:ad:03:00:01:60:04
   slot-num   : 1
   ext-port-num : 5
   data-is-valid : true
   error-status : not exceeded
   utilization-status : exceeded
   symbol-errors : 0
 link-recovery-errors : 0
   link-downs : 0
   rcv-errors : 0
 rcv-remote-phy-errors : 0
 rcv-switch-relay-errors : 0
   xmit-discards : 0
 xmit-constraint-errors : 0
   rcv-constraint-errors : 0
 local-link-integrity-errors : 0
 excessive-buf-overflow-errors : 0
   vll5-dropped : 0
   xmit-data : 30714320
   rcv-data : 2127951866
   xmit-pkts : 1357607
   rcv-pkts : 4106365
   xmit-rate : 0 %
   rcv-rate : 23 %

 subnet-prefix : fe:80:00:00:00:00:00:00
```

```
node-guid : 00:05:ad:00:00:01:60:04
port-num : 18
chassis-guid : 00:05:ad:03:00:01:60:04
slot-num : 1
ext-port-num : 18
data-is-valid : true
error-status : not exceeded
utilization-status : exceeded
symbol-errors : 0
link-recovery-errors : 0
link-downs : 0
rcv-errors : 0
rcv-remote-phy-errors : 0
rcv-switch-relay-errors : 0
xmit-discards : 0
xmit-constraint-errors : 0
rcv-constraint-errors : 0
local-link-integrity-errors : 0
excessive-buf-overflow-errors : 0
vl15-dropped : 0
xmit-data : 2132724002
rcv-data : 31795018
xmit-pkts : 4127798
rcv-pkts : 1374226
xmit-rate : 23 %
rcv-rate : 0 %
```

**Related Commands**

[config pm monitor state, page 3-51](#)

[config pm threshold, page 3-54](#)

# show pm monitor config

To display the PM monitoring configuration, use the **show pm monitor config** command.

**show pm monitor config**

**Syntax Description** This command has no arguments or keywords.

**Defaults** This command has no default settings.

**Usage Guidelines** The configuration values displayed are state, poll-interval, and start-delay.

## Examples

```
ib_sm> show pm monitor config
```

```

=====
                        PM monitor configuration
=====
state : enabled-cisco-switches
poll-interval : 30 seconds
start-delay : 5 seconds

```

**Related Commands**

- [config pm monitor poll-interval, page 3-49](#)
- [config pm monitor start-delay, page 3-50](#)
- [config pm monitor state, page 3-51](#)



# show pm monitored ports

To display a list of ports that the user has explicitly configured to be monitored by the PM, use the **show pm monitored ports** command.

```
show pm monitored ports [-n guid [-p port]]
```

## Syntax Description

<b>-n</b>	(Optional) Displays ports only for a specified node.
<i>guid</i>	(Optional) Specifies a node.
<b>-p</b>	(Optional) Displays only a specified port.
<i>port</i>	(Optional) Specifies a port.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to display monitored ports.

## Examples

```
ib_sm> show pm monitored ports
```

```
=====
                        All PM Monitored Ports
=====
subnet-prefix : fe:80:00:00:00:00:00:00
node-guid    : 00:05:ad:00:00:04:e5:64
port-num     : 1
```

## Related Commands

[config pm monitored port, page 3-52](#)

# show pm port counter access

To identify if access to PM port counters is enabled or disabled, use the **show pm port counter access** command.

**show pm port counter access**

**Syntax Description** This command has no arguments or keywords.

**Defaults** This command has no default settings.

**Usage Guidelines** Access appears as enabled or disabled.

## Examples

```
ib_sm> show pm port counter access
=====
                        PM Port Counter Access
=====
port-counter-access : enabled
```

**Related Commands** [config pm port counter access, page 3-53](#)

# show pm port counters

To display port counters in the network, use the **show pm port counters** command.

```
show pm port counters [-n guid [-p port]]
```

Syntax Description		
<b>-n</b>	(Optional)	Displays counters for a specified node only.
<i>guid</i>	(Optional)	Specifies a node with a node guid.
<b>-p</b>	(Optional)	Displays counters for a specified port only.
<i>port</i>	(Optional)	Specifies a port with a port number.

**Defaults** No default behavior or values.

**Usage Guidelines** This command shows all counters that the user requests (unless the -n and possibly -p options are given).

## Examples

```
ib_sm> show pm port counters -n 00:05:ad:00:00:01:60:04
```

```
=====
                        All PM Port Counters for specified node
=====
 subnet-prefix : fe:80:00:00:00:00:00:00
   node-guid   : 00:05:ad:00:00:01:60:04
   port-num    : 1
  chassis-guid : 00:05:ad:03:00:01:60:04
    slot-num   : 1
  ext-port-num : 1
 data-is-valid : true
 symbol-errors : 65535
 link-recovery-errors : 9
   link-downs  : 14
    rcv-errors  : 0
 rcv-remote-phy-errors : 0
rcv-switch-relay-errors : 0
   xmit-discards : 60
 xmit-constraint-errors : 60
   rcv-constraint-errors : 0
 local-link-integrity-errors : 0
 excessive-buf-overrun-errors : 0
   v115-dropped : 0
   xmit-data    : 36746496
   rcv-data    : 36532368
   xmit-pkts   : 510368
   rcv-pkts   : 507394

 subnet-prefix : fe:80:00:00:00:00:00:00
   node-guid   : 00:05:ad:00:00:01:60:04
   port-num    : 5
  chassis-guid : 00:05:ad:03:00:01:60:04
    slot-num   : 1
  ext-port-num : 5
 data-is-valid : true
 symbol-errors : 0
```

```

    link-recovery-errors : 0
      link-downs : 0
      rcv-errors : 0
    rcv-remote-phy-errors : 0
  rcv-switch-relay-errors : 2
    xmit-discards : 0
  xmit-constraint-errors : 0
    rcv-constraint-errors : 0
  local-link-integrity-errors : 0
excessive-buf-overflow-errors : 0
  v15-dropped : 0
    xmit-data : 4294967295
    rcv-data : 4294967295
    xmit-pkts : 477767680
    rcv-pkts : 470032589

  subnet-prefix : fe:80:00:00:00:00:00:00
  node-guid : 00:05:ad:00:00:01:60:04
  port-num : 6
  chassis-guid : 00:05:ad:03:00:01:60:04
  slot-num : 1
  ext-port-num : 6
  data-is-valid : true
  symbol-errors : 0
  link-recovery-errors : 0
    link-downs : 0
    rcv-errors : 0
  rcv-remote-phy-errors : 0
  rcv-switch-relay-errors : 9
    xmit-discards : 0
  xmit-constraint-errors : 0
    rcv-constraint-errors : 0
  local-link-integrity-errors : 0
excessive-buf-overflow-errors : 0
  v15-dropped : 0
    xmit-data : 4294967295
    rcv-data : 4294967295
    xmit-pkts : 206618086
    rcv-pkts : 206562365
...
  subnet-prefix : fe:80:00:00:00:00:00:00
  node-guid : 00:05:ad:00:00:01:60:04
  port-num : 24
  chassis-guid : 00:05:ad:03:00:01:60:04
  slot-num : 1
  ext-port-num : 24
  data-is-valid : true
  symbol-errors : 0
  link-recovery-errors : 0
    link-downs : 0
    rcv-errors : 0
  rcv-remote-phy-errors : 0
  rcv-switch-relay-errors : 0
    xmit-discards : 0
  xmit-constraint-errors : 0
    rcv-constraint-errors : 0
  local-link-integrity-errors : 0
excessive-buf-overflow-errors : 0
  v15-dropped : 0
    xmit-data : 0
    rcv-data : 0
    xmit-pkts : 0
    rcv-pkts : 0

```

**Related Commands** [config pm port counter access, page 3-53](#)

# show pm threshold

To display details of ports in the subnet, use the **show pm threshold** command.

## show pm threshold

**Syntax Description** This command has no arguments or keywords.

**Defaults** This command has no default settings.

**Usage Guidelines** If the command displays “none,” no threshold has been set.

**Examples** `ib_sm> show pm threshold`

```

=====
                                PM thresholds
=====
symbol-errors : none
link-recovery-errors : none
  link-downs : none
  rcv-errors : none
rcv-remote-phy-errors : none
rcv-switch-relay-errors : none
  xmit-discards : none
xmit-constraint-errors : none
  rcv-constraint-errors : none
local-link-integrity-errors : none
excessive-buf-overflow-errors : none
  v115-dropped : none
    xmit-rate : 1 %
    rcv-rate : 1 %

```

**Related Commands** [config pm threshold, page 3-54](#)

# show port

To display InfiniBand port information for one port or all ports on one node or all ports of all nodes in the IB subnet, use the **show port** command.

```
show port [-s] [-n guid [-p port]]
```

## Syntax Description

<b>-s</b>	(Optional) Prints a summary line for each port.
<b>-n</b>	(Optional) Prints only information for the node specified by <i>guid</i> .
<i>guid</i>	(Optional) Specifies the one node for which the command displays information.
<b>-p</b>	(Optional) Prints only information for the port specified by <i>port</i> .
<i>port</i>	(Optional) Specifies the one port for which the command displays information.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the attributes of the ports on the network.

## Examples

```
ib_sm> show port -s
```

```
=====
Subnet Manager Port Summary
=====
node-guid          port  lid  state  link
-----
00:05:ad:00:00:00:18:5d  0    20  active  4x-sdr
00:05:ad:00:00:00:18:5d  1     0  active  4x-sdr
00:05:ad:00:00:00:18:5d  2     0  down    4x-sdr
00:05:ad:00:00:00:18:5d  3     0  down    4x-sdr
00:05:ad:00:00:00:18:5d  4     0  down    4x-sdr
00:05:ad:00:00:00:18:5d  5     0  down    4x-sdr
00:05:ad:00:00:00:18:5d  6     0  down    4x-sdr
```

## Related Commands

[show neighbor, page 5-10](#)

[show node, page 5-12](#)

# show route

To display the switches that data traverses on the path from one LID to another, use the **show route** command.

```
show route {[-s] [-c] src-lid dst-lid | list}
```

## Syntax Description

<b>-s</b>	(Optional) Displays summarized output in tabular format
<b>-c</b>	(Optional) Displays the switch chassis instead of the individual switch chips.
<i>src-lid</i>	Specifies the source LID of the path.
<i>dst-lid</i>	Specifies the destination LID of the path.
<b>list</b>	Displays a summary list of all routes.



## Note

A chassis GUID is the unique GUID that identifies a chassis. It is based on the system image GUID of any switch node inside the chassis, with the fifth byte zeroed.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to track the switches that data traverses on a path.

## Examples

```
ib_sm> show port -s
```

```
00:05:ad:00:00:03:2e:60 1 21 active 4x-sdr
00:05:ad:00:00:03:2e:60 2 22 active 4x-sdr
00:05:ad:00:00:04:82:bc 1 825 active 4x-sdr
```

```
ib_sm> show route -c -s 825 22
```

```
=====
                          SM Route Chassis Summary View
=====
chassis-guid          input-port output-port
-----
00:06:6a:08:00:00:01:0b 10/5          2/6
00:05:ad:03:00:00:18:5d 1/1            1/12
```

```
ib_sm> show route -s 825 22
```

```
=====
                          SM Switch Route Summary View
=====
node-guid              input-port output-port input-rate output-rate
-----
00:06:6a:00:01:00:01:e6 5             16          10 gbps   10 gbps
```



```
00:06:6a:00:04:00:01:52 22          19          10 gbps    10 gbps
00:06:6a:00:01:00:02:30 13          6           10 gbps    10 gbps
00:05:ad:00:00:00:18:5d 1           12          10 gbps    10 gbps
```

```
ib_sm> show route 825 22
```

```
=====
                          SM Switch Route
=====
      src-lid : 825
      dst-lid : 22

      node-guid : 00:06:6a:00:01:00:01:e6
      input-port : 5
      output-port : 16
      input-rate : 10 gbps
      output-rate : 10 gbps

      node-guid : 00:06:6a:00:04:00:01:52
      input-port : 22
      output-port : 19
      input-rate : 10 gbps
      output-rate : 10 gbps

      node-guid : 00:06:6a:00:01:00:02:30
      input-port : 13
      output-port : 6
      input-rate : 10 gbps
      output-rate : 10 gbps

      node-guid : 00:05:ad:00:00:00:18:5d
      input-port : 1
      output-port : 12
      input-rate : 10 gbps
      output-rate : 10 gbps
```

**Related Commands** [show neighbor, page 5-10](#)

# show route-around

To show the route-around entries that have been configured by the user, use the **show route-around** command.

**show route-around** [-s] [-c *chassis-guid*] [-n *node-guid*] [-p *port*]]

## Syntax Description

<b>-s</b>	(Optional) Displays a summary of route-around entries.
<b>-c</b>	(Optional) Displays only the entry with the matching chassis GUID.
<i>chassis-guid</i>	(Optional) Displays the ID of the specified chassis.
<b>-n</b>	(Optional) Displays the specified node.
<i>node-guid</i>	(Optional) Displays only the entry with the matching node GUID.
<b>-p</b>	(Optional) Displays the specified port.
<i>port</i>	(Optional) Displays only the entry with the matching port GUID.



## Note

A chassis GUID is the unique GUID that identifies a chassis. It is based on the system image GUID of any switch node inside the chassis, with the fifth byte zeroed.

## Defaults

This command has no default values.

## Usage Guidelines

Use this command to show the route-around entries that have been configured.

## Examples

```
ib_sm> show route-around
```

```
=====
                        All Route-Around entries
=====
      subnet-prefix : fe:80:00:00:00:00:00:00
              type  : chassis
      chassis-guid  : 00:05:ad:00:01:00:d0:50

      subnet-prefix : fe:80:00:00:00:00:00:00
              type  : node
      node-guid     : 00:05:ad:00:00:01:0c:1d

      subnet-prefix : fe:80:00:00:00:00:00:00
              type  : port
      node-guid     : 00:05:ad:00:00:01:0c:19
      port-num      : 5
```

## Related Commands

[config route-around chassis, page 3-60](#)  
[config route-around node, page 3-61](#)  
[config route-around port, page 3-62](#)

# show service

To show the IB services available to the subnet, use the **show service** command.

```
show service [-s] [-i svc-id | -g svc-gid | -p p_key]
```

## Syntax Description

<b>-s</b>	(Optional) Displays a summary line for each service.
<b>-i</b>	(Optional) Displays only services with a specified service ID.
<i>svc-id</i>	(Optional) Specifies a service ID.
<b>-g</b>	(Optional) Displays only services with a specified port GUID.
<i>svc-gid</i>	(Optional) Specifies a port GUID.
<b>-p</b>	(Optional) Displays only services with a specified partition key.
<i>p_key</i>	(Optional) Specifies a partition key.

## Defaults

This command has no default settings.

## Usage Guidelines

Use this command to view the services that run on your subnet.

## Examples

```
ib_sm> show service
```

```
=====
                          All Services
=====
subnet-prefix : fe:80:00:00:00:00:00:00
service-id    : 10:00:0c:e1:00:41:54:53
service-gid   : fe:80:00:00:00:00:00:00:00:05:ad:00:00:00:16:61
service-p-key : ff:ff
service-lease : indefinite
service-key   : 00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00
service-name  : DAPL Address Translation Service
service-data  :
data-8       : 00:00:00:00:00:00:00:00:00:00:00:00:c0:a8:00:53
data-16      : 0000:0000:0000:0000:0000:0000:0000:0000
data-32      : 00000000:00000000:00000000:00000000
data-64      : 0000000000000000:0000000000000000
```

## Related Commands

[show node, page 5-12](#)

# show sl-vl-mapping

To display the SL-to-VL mapping tables of ports in the subnet, use the **show sl-vl mapping** command.

```
show sl-vl-mapping [-n node-guid [-p port-num]] [-s]
```

Syntax Description		
<b>-n</b>	(Optional) Displays the mapping tables for the ports of a given node.	
<i>node-guid</i>	(Optional) Specifies the GUID of a node.	
<b>-p</b>	(Optional) Displays the mapping table for the given port.	
<i>port-num</i>	(Optional) Specifies a port number.	
<b>-s</b>	(Optional) Displays the programming status of the SL-to-VL mapping tables.	

**Command Default** This command has no default settings.

**Usage Guidelines** This command displays the SL-to-VL mapping tables of ports in the subnet.

## Examples

```
ib_sm> show sl-vl-mapping -n 00:05:ad:00:00:01:29:aa
```

```
=====
                        SL To VL Mapping Tables
=====
node-guid                input-port/output-port    sl        vl
-----
00:05:ad:00:00:01:29:aa  1/1                        0         0
00:05:ad:00:00:01:29:aa  1/1                        1         1
00:05:ad:00:00:01:29:aa  1/1                        2         2
00:05:ad:00:00:01:29:aa  1/1                        3         3
00:05:ad:00:00:01:29:aa  1/1                        4         4
00:05:ad:00:00:01:29:aa  1/1                        5         5
00:05:ad:00:00:01:29:aa  1/1                        6         6
00:05:ad:00:00:01:29:aa  1/1                        7         7
00:05:ad:00:00:01:29:aa  1/1                        8         0
00:05:ad:00:00:01:29:aa  1/1                        9         1
00:05:ad:00:00:01:29:aa  1/1                       10        2
00:05:ad:00:00:01:29:aa  1/1                       11        3
00:05:ad:00:00:01:29:aa  1/1                       12        4
00:05:ad:00:00:01:29:aa  1/1                       13        5
00:05:ad:00:00:01:29:aa  1/1                       14        6
00:05:ad:00:00:01:29:aa  1/1                       15        7
```

**Related Commands**

- [config sl-vl-mapping oper-vl add, page 3-65](#)
- [config sl-vl-mapping oper-vl apply, page 3-67](#)
- [config sl-vl-mapping oper-vl delete, page 3-68](#)
- [show sl-vl-mapping-config, page 5-37](#)

# show sl-vl-mapping-config

To display the user-provisioned SL-to-VL mapping profiles, use the **show sl-vl-mapping-config** command.

**show sl-vl-mapping-config [-s]**

<b>Syntax Description</b>	-s (Optional) Displays the summary view of the SL- to-VL mapping profiles that are configured.
---------------------------	--

<b>Command Default</b>	This command has no default settings.
------------------------	---------------------------------------

<b>Usage Guidelines</b>	This command displays the user-provisioned SL-to-VL mapping profiles.
-------------------------	---

<b>Examples</b>	ib_sm> <b>show sl-vl-mapping-config -s</b>
-----------------	--

```

=====
                        SL To VL Mapping Profiles Summary View
=====
oper-VL : vl0-vl7
status  : configuration in progress

```

<b>Related Commands</b>	<a href="#">config sl-vl-mapping oper-vl add, page 3-65</a> <a href="#">config sl-vl-mapping oper-vl apply, page 3-67</a> <a href="#">config sl-vl-mapping oper-vl delete, page 3-68</a> <a href="#">show sl-vl-mapping, page 5-36</a>
-------------------------	---

# show span

To show the port SPANs that are configured by the user, use the **show span** command.

**show span [-s]**

## Syntax Description

**-s** (Optional) Displays a summary view of each configured SPAN.

## Command Default

This command has no default settings.

## Usage Guidelines

This command shows the port SPANs that are configured by the user, and it shows the port SPAN status. When a SPAN is in the inactive state, the reason is listed in the state-detail field. The reasons in state-detail include the following:

- Pending-configuration—Subnet Manager is processing the request.
- Path-not-found—SPAN is in inactive state due to either the src-port or the dst-port of the SPAN is not in active state or has a user configured route-around on it.
- SM-node-neighbor—Node connected to either the src-port or the dst-port has a Subnet Manager running on it.
- Non-HCA-neighbor—Node connected to either the src-port or the dst-port is not an HCA.
- Non-switch-node—Node GUID specified for the SPAN is not an IB switch node.
- Mirror-incapable-node—Node GUID specified for the SPAN is not capable of mirroring packets.

## Examples

```
ib_sm> show span
=====
                        All Spanning entries
=====
src-node-guid : 00:05:ad:00:00:00:18:5d
src-port      : 17
dst-node-guid : 00:05:ad:00:00:00:18:5d
dst-port      : 19
state         : active
state-detail  : none

ib_sm> show span -s
=====
                        All Spanning entries
=====
src-node-guid      src-port  dst-node-guid      dst-port  state
=====
00:05:ad:00:00:00:18:5d  17      00:05:ad:00:00:00:18:5d  19      active
```

## Related Commands

[config span, page 3-70](#)

# show subscription

To display the ports in the subnet that have subscribed with the Subnet Manager for event notifications, use the show subscription command.

**show subscription** [-s] [-l *lid* | -n *guid*]

This command shows which ports in the subnet have subscribed for event notifications with the Subnet Manager.

## Syntax Description

<b>-s</b>	(Optional) Displays a summary.
<b>-l</b>	(Optional) Displays subscriptions only for the port with the specified LID.
<i>lid</i>	(Optional) Specifies a LID.
<b>-n</b>	(Optional) Displays subscriptions only for ports on the specified node.
<i>guid</i>	(Optional) Specifies a node.

## Defaults

This command has no default settings.

## Usage Guidelines

This command shows which endpoints in the network have subscribed for events. In the example below, SRP has requested out-of-service events to know when endpoints have gone from the subnet. Note that the lid-range-begin value of 65535 (0xFFFF) indicates that the subscription covers all LIDs in the network.

## Examples

```
ib_sm> show subscription
```

```
=====
                          All Subscriptions
=====
      subnet-prefix : fe:80:00:00:00:00:00
          lid       : 897
      node-guid     : 00:05:ad:00:00:04:e4:4c
        port-num    : 1
      source-qpn    : 00:00:01
          gid       : 00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00
lid-range-begin   : 65535
lid-range-end     : 0
      is-generic    : true
        trap-num    : 65
      producer-type : class-mgr
          type       : subnet-management
      resp-time-value : 0
```

## Related Commands

[show node](#), page 5-12

# show switch

To display the IB SwitchInfo for a switch (or all switches) in the IB subnet, use the **show switch** command.

```
show switch [-s] [-n guid]
```

Syntax Description	
<b>-s</b>	(Optional) Displays a summary line for each switch.
<b>-n</b>	(Optional) Displays only information for the node represented by <i>guid</i> .
<i>guid</i>	(Optional) Specifies a single node to display.

**Defaults** This command has no default settings.

**Usage Guidelines** Use this command to view the switches in your network.

**Examples** `ib_sm> show switch`

```

=====
                          Subnet Management Switches
=====
      subnet-prefix : fe:80:00:00:00:00:00
      node-guid    : 00:05:ad:00:00:01:60:04
      linear-fdb-cap : 49152
      random-fdb-cap : 0
      mcast-fdb-cap  : 1024
      linear-fdb-top  : 10240
      default-port   : 0
      def-pri-mcast-port : 255
      def-non-pri-mcast-port : 255
      life-time-value : 18
      port-state-change : 1
      lids-per-port   : 0
      partition-enf-cap : 32
      in-enf-cap      : 1
      out-enf-cap     : 1
      in-filter-raw-pkt-cap : 1
      out-filter-raw-pkt-cap : 1
      enhanced-port-0 : yes

```

**Related Commands** [show neighbor, page 5-10](#)

[show node, page 5-12](#)



# show version

To show the version number of the HSM, use the show version command.

**show version**

---

**Syntax Description** This command has no arguments or keywords.

---

**Defaults** This command has no default settings.

---

**Usage Guidelines** This command shows the version of the High-Performance Subnet Manager application only. For versions of host firmware, host-side drivers, and switch OS, consult your SFS documentation.

---

**Examples**

```
ib_sm> show version  
Cisco High-Performance IB Subnet Manager 1.3
```

---

**Related Commands** None.

# show vl-arbitration

To display the VL arbitration tables of ports in the subnet, use the **show vl-arbitration** command.

**show vl-arbitration** [-n *node-guid* [-p *port-num*] ] [-s]

Syntax Description	
<b>-n</b>	(Optional) Displays the VL arbitration tables for the ports of a given node.
<i>node-guid</i>	(Optional) Specifies the GUID of a node.
<b>-p</b>	(Optional) Displays the arbitration table for the given port.
<i>port-num</i>	(Optional) Specifies the port number.
<b>-s</b>	(Optional) Displays the summary view of arbitration VL tables.

**Command Default** This command has no default settings.

**Usage Guidelines** This command enables you to view the VL-arbitration tables that are programmed on ports in the subnet.

## Examples

```
ib_sm> show vl-arbitration -n 00:05:ad:00:00:00:15:02
```

```

=====
                        VL Arbitration Tables
=====
node-guid : 00:05:ad:00:00:00:15:02
port-num  : 1
port-state: active
  VL-cap  : vl0-vl7
  oper-VL : vl0-vl7
vl-high-limit : 0
vlarb-config-needed : no
low-priority-lower :
  vl0 : 1
  vl1 : 1
  vl2 : 1
  vl3 : 1
  vl4 : 1
  vl5 : 1
  vl6 : 1
  vl7 : 1
high-priority-lower :
  vl0 : 0
  vl1 : 0
  vl2 : 0
  vl3 : 0
  vl4 : 0
  vl5 : 0
  vl6 : 0
  vl7 : 0

```

**Related Commands** [config vl-arbitration add, page 3-77](#)  
[config vl-arbitration apply, page 3-79](#)

[config vl-arbitration delete, page 3-80](#)

[show vl-arbitration-config, page 5-44](#)

# show vl-arbitration-config

To view the user-provisioned VL-arbitration profiles, use the show vl-arbitration-config command.

```
show vl-arbitration-config [-scope subnet | node | port] [-s]
```

Syntax Description		
<b>-scope</b>	(Optional)	Displays the profiles with the indicated scope.
<i>subnet</i>	(Optional)	Specifies the subnet in the scoped profile.
<i>node</i>	(Optional)	Specifies a node in the scoped profile.
<i>port</i>	(Optional)	Specifies a port in the scoped profile.
<b>-s</b>	(Optional)	Displays a summary view of the configured arbitration profiles.

**Command Default** This command has no default settings.

**Usage Guidelines** This command displays the user-provisioned VL arbitration profiles.

## Examples

```
ib_sm> show vl-arbitration-config -s

=====
                    VL Arbitration Profiles Summary View
=====
      scope : subnet
      status : configuration in progress

      scope : node
      node-guid : 00:05:ad:00:00:01:29:aa
      status : configuration in progress

      scope : node
      node-guid : 00:05:ad:00:00:01:29:ad
      status : configuration done

      scope : port
      node-guid : 00:05:ad:00:00:02:5b:59
      port-num : 3
      status : configuration in progress
```

**Related Commands**

- [config vl-arbitration add, page 3-77](#)
- [config vl-arbitration apply, page 3-79](#)
- [config vl-arbitration delete, page 3-80](#)
- [show vl-arbitration, page 5-42](#)