



# ACS Bandwidth Policy Configuration Mode Commands

The ACS Bandwidth Policy Configuration Mode is used to create and manage Active Charging Service (ACS) Bandwidth Policies.



**Note** In 12.3 and earlier releases, a maximum of 64 bandwidth policies can be configured.  
In 14.0 and later releases, a maximum of 256 bandwidth policies can be configured.

## Command Modes

Exec > ACS Configuration > Bandwidth Policy Configuration

**active-charging service** *service\_name* > **bandwidth-policy** *policy\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-bandwidth-policy)#
```



**Important** The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

- [end, on page 1](#)
- [exit, on page 2](#)
- [flow limit-for-bandwidth, on page 2](#)
- [group-id, on page 3](#)

## end

Exits the current configuration mode and returns to the Exec mode.

### Product

All

### Privilege

Security Administrator, Administrator

### Syntax Description

**end**

**Usage Guidelines** Use this command to return to the Exec mode.

## exit

Exits the current mode and returns to the parent configuration mode.

**Product** All

**Privilege** Security Administrator, Administrator

**Syntax Description** `exit`

**Usage Guidelines** Use this command to return to the parent configuration mode.

## flow limit-for-bandwidth

This command allows you to configure the flow limit-for-bandwidth parameter for the current bandwidth policy.

**Product** ACS

**Privilege** Security Administrator, Administrator

**Command Modes** Exec > ACS Configuration > Bandwidth Policy Configuration

**active-charging service** *service\_name* > **bandwidth-policy** *policy\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-bandwidth-policy)#
```

**Syntax Description** **flow limit-for-bandwidth** *id* *bandwidth\_id* **group-id** *group\_id*  
**no flow limit-for-bandwidth** *id* *bandwidth\_id*

**no**

If previously configured, removes the specified flow limit-for-bandwidth configuration in the current bandwidth policy.

**id** *bandwidth\_id*

Specifies ID for the current bandwidth policy.

*bandwidth\_id* must be an integer from 1 through 65535.

**group-id** *group\_id*

Specifies group ID for the current bandwidth policy.

*group\_id* must be an integer from 1 through 65535.

**Usage Guidelines** Use this command to configure the flow limit-for-bandwidth configuration for a bandwidth policy.

**Example**

The following command configures the Flow Limit-for-Bandwidth configuration with bandwidth policy ID *test123* and group ID *123*:

```
flow limit-for-bandwidth id test123 group-id 123
```

## group-id

This command allows you to configure the group ID for the current bandwidth policy.

**Product**

ACS

**Privilege**

Security Administrator, Administrator

**Command Modes**

Exec &gt; ACS Configuration &gt; Bandwidth Policy Configuration

```
active-charging service service_name > bandwidth-policy policy_name
```

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-bandwidth-policy)#
```

**Syntax Description**

```
group-id group_id direction { downlink | uplink } peak-data-rate peak_data_rate
peak-burst-size peak_burst_size violate-action { discard |
lower-ip-precedence } [ committed-data-rate committed_data_rate
committed-burst-size committed_burst_size [ exceed-action { discard |
lower-ip-precedence } ] ]
{ default | no } group-id group_id direction { downlink | uplink }
```

**default**

Configures this command with default settings for the specified group ID.

**no**

If previously configured, removes the specified group ID configuration from the current bandwidth policy.

***group\_id***

Specifies the group ID.

*group\_id* must be an integer from 1 through 65535.

**direction { downlink | uplink }**

Specifies the direction for which bandwidth will be controlled.

**peak-data-rate *peak\_data\_rate***

Specifies the peak data rate, in bits per second.

*peak\_data\_rate* must be an integer from 1 through 4294967295.

Default: 0

**peak-burst-size *peak\_burst\_size***

Specifies the peak burst size, in bytes.

*peak\_burst\_size* must be an integer from 1 through 4294967295.

Default: 0

**violate-action { discard | lower-ip-precedence }**

Specifies the action to be taken if Peak Data Rate is surpassed.

- **discard**: Specifies to discard the packet
- **lower-ip-precedence**: Specifies to lower IP precedence of the packet

**committed-data-rate *committed\_data\_rate***

Specifies the committed Data Rate, in bits per second. This can also be used to specify the Guaranteed Bit Rate (GBR) for Network Controlled QoS (NCQoS) without exceed-action.

*committed\_data\_rate* must be an integer from 1 through 4294967295.

Default: 0

**committed-burst-size *committed\_burst\_size***

Specifies the committed burst size, in bytes.

*committed\_burst\_size* must be an integer from 1 through 4294967295.

Default: 0

**exceed-action { discard | lower-ip-precedence }**

Specifies the action to be taken if Committed Data Rate is surpassed.

- **discard**: Specifies to discard the packet.
- **lower-ip-precedence**: Specifies to lower IP precedence of the packet.

### Usage Guidelines

Use this command to configure the Group ID for an bandwidth policy.

### Example

The following command configures the group ID *111* to control bandwidth in the downlink direction specifying peak data rate of *10000* bits per second and peak burst size of *10000* bytes while specifying the action to be taken on violation as discard:

```
group-id 111 direction downlink peak-data-rate 10000 peak-burst-size 10000
violate-action discard
```