



# ACS TCP Acceleration Profile Configuration Mode Commands

The ACS TCP Acceleration Profile Configuration Mode is used to configure Active Charging Service (ACS) TCP Acceleration Profile for Inline TCP Optimization.

## Command Modes

Exec > ACS Configuration > ACS TCP Acceleration Profile Configuration

**active-charging service** *service\_name* > **tcp-acceleration-profile** *profile\_name*

Entering the above command sequence results in the following prompt:

```
[local] host_name(config-acs-tcp-accl-profile) #
```



## Important

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

- [buffer-size](#), on page 1
- [end](#), on page 2
- [exit](#), on page 2
- [initial-cwnd-size](#), on page 3
- [max-rtt](#), on page 3
- [mss](#), on page 4

## buffer-size

This command configures the TCP Proxy buffer size for downlink and uplink data in Kilobytes

## Product

P-GW

## Privilege

Security Administrator, Administrator

## Command Modes

Exec > ACS Configuration > ACS TCP Acceleration Profile Configuration

**active-charging service** *service\_name* > **tcp-acceleration-profile** *profile\_name*

Entering the above command sequence results in the following prompt:

**end**

```
[local]host_name(config-acs-tcp-accl-profile)#
```

**Syntax Description**

```
buffer-size { [ downlink [ 128KB | 256KB | 512KB | 1024KB | 1536KB |
2048KB | 2560KB | 3072KB | 3584KB | 4096KB ] [ uplink [ 128KB | 256KB |
512KB | 1024KB | 1536KB | 2048KB | 2560KB | 3072KB | 3584KB | 4096KB ] ]
] | [ uplink [ 128KB | 256KB | 512KB | 1024KB | 1536KB | 2048KB | 2560KB
| 3072KB | 3584KB | 4096KB ] [ downlink [ 128KB | 256KB | 512KB | 1024KB
| 1536KB | 2048KB | 2560KB | 3072KB | 3584KB | 4096KB ] ] ] }
default buffer-size
```

**default**

Restores default values assigned to its following options.

**Usage Guidelines**

Use this command to configure the TCP Proxy buffer size for downlink and uplink data in Kilobytes

**Example**

The following command configures a TCP Proxy buffer size for downlink data as 256KB and uplink data as 256KB:

```
buffer-size downlink 256KB uplink 256KB
```

**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.

# initial-cwnd-size

This command configures the initial congestion window size is segments

---

**Product**

P-GW

---

**Privilege**

Security Administrator, Administrator

---

**Command Modes**

Exec > ACS Configuration > ACS TCP Acceleration Profile Configuration

**active-charging service** *service\_name* > **tcp-acceleration-profile** *profile\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-tcp-accl-profile)#
```

---

**Syntax Description**

**initial-cwnd-size** *window\_segment\_size*  
**default initial-cwnd-size**

**default**

Restores default values assigned to its following options.

***window\_segment\_size***

The *window\_segment\_size* is an integer ranging from 1 to 65535.

---

**Usage Guidelines**

Use this command to configure the initial congestion window size is segments

**Example**

The following command configures the initial congestion window size with a segment value 200:

```
initial-cwnd-size 200
```

# max-rtt

This command configures the maximum RTT value.

---

**Product**

P-GW

---

**Privilege**

Security Administrator, Administrator

---

**Command Modes**

Exec > ACS Configuration > ACS TCP Acceleration Profile Configuration

**active-charging service** *service\_name* > **tcp-acceleration-profile** *profile\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-tcp-accl-profile)#
```

---

**Syntax Description**    **max-rtt** *max\_rtt\_value*  
**default** **max-rtt**

**default**

Restores default values assigned to its following options.

**max\_rtt\_value**

The *max\_rtt\_value* is an integer ranging from 1 to 10000.

---

**Usage Guidelines**    Use this command to configure the maximum RTT value in Milliseconds.

**Example**

Use the following command to configure the maximum RTT value of 500 milliseconds:

```
max-rtt 500
```

## mss

This command configures the maximum segment size for TCP.

---

**Product**    P-GW

---

**Privilege**    Security Administrator, Administrator

---

**Command Modes**    Exec > ACS Configuration > ACS TCP Acceleration Profile Configuration  
**active-charging service** *service\_name* > **tcp-acceleration-profile** *profile\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-acs-tcp-accl-profile)#
```

---

**Syntax Description**    **mss** *mss\_value*  
**default** **mss**

**default**

Restores default values assigned to its following options.

**mss\_value**

The *mss\_value* is an integer ranging from 496 to 65535.

---

**Usage Guidelines**    Use this command to configure the maximum segment size in Bytes.

**Example**

Use the following command to configure the maximum segment size value of 500 bytes:

mss 500

mss