



# Traffic Optimization Profile Configuration Mode Commands

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The Traffic Optimization Profile Configuration Mode allows you to configure and manage properties of Cisco Ultra Traffic Optimization solution.

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## Command Modes

Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service *service\_name* > traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim) #
```



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## Important

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

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## data-record

This command enables Traffic Optimization Data Record (TODR) generation.

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## Product

P-GW

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## Privilege

Security Administrator, Administrator

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## Command Modes

Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service *service\_name* > traffic-optimization-profile**

**efd-flow-cleanup-interval**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim)#
```

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**Syntax Description** [ no ] **data-record**

**no**

If previously configured, disables generation of TODR.

**data-record**

Enables the Traffic Optimization Data Record (TODR) generation

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**Usage Guidelines** Use this command to generate TODR.

## efd-flow-cleanup-interval

This configures EFD flow command cleanup interval.

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**Product** P-GW

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**Privilege** Security Administrator, Administrator

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**Command Modes** Exec > ACS Configuration > Traffic Optimization Profile Configuration  
**active-charging service** *service\_name* > **traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim)#
```

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**Syntax Description** [ no ] **efd-flow-cleanup-interval**

**no**

If previously configured, disables EFD flow cleanup interval.

**efd-flow-cleanup-interval**

Configures EFD flow cleanup interval. The interval value is an integer that ranges from 10 to 5000 milliseconds.

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**Usage Guidelines** Use this command to configure EFD flow cleanup interval.

## end

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

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**Product** All

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**Privilege** Security Administrator, Administrator

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**Syntax Description**    **end**

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

## exit

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

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**Product**    All

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**Privilege**    Security Administrator, Administrator

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**Syntax Description**    **exit**

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

## heavy-session detection-threshold

Configures the threshold value for the TCP flow to be considered for the Traffic Optimization.

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**Product**    P-GW

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**Privilege**    Security Administrator, Administrator

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**Command Modes**    Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service *service\_name* > traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim) #
```

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**Syntax Description**    **heavy-session detection-threshold *bytes***

**heavy-session**

Specifies the heavy session configuration for the Traffic Optimization.

**detection-threshold *bytes***

Specifies the detection threshold, in bytes. Beyond which, it is considered as heavy session. The *bytes* must be an integer from 1 to 4294967295.

To get optimum Traffic Optimization benefit, it is recommended to not set it less than 3 MB.

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**Usage Guidelines**    Use this command to set the threshold value for the TCP flow.

**Example**

The following command sets the threshold value to *3145728* bytes:

```
heavy-session detection-threshold 3145728
```

## mode

Configures the operating mode for the Cisco Ultra Traffic Optimization engine.

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### Product

P-GW

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### Privilege

Security Administrator, Administrator

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### Command Modes

Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service** *service\_name* > **traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim)#
```

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### Syntax Description

**mode** [ **active** | **passive** ]

#### **mode**

Sets the mode of operation for Traffic Optimization.

#### **active**

The mode where both Traffic Optimization and flow monitoring is done on the packet.

#### **passive**

The mode where no flow-control is performed but monitoring is done on the packet.

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### Usage Guidelines

Use this command to set the operating mode for the Cisco Ultra Traffic Optimization engine.

#### **Example**

The following command sets the operating mode to **active**:

```
mode active
```

## stats-interval

This command configures the flow statistics collection and reporting interval.

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### Product

P-GW

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### Privilege

Security Administrator, Administrator

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### Command Modes

Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service** *service\_name* > **traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim)#
```

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### Syntax Description

[ no ] **stats-interval**

**no**

If previously configured, disables collection of flow statistics.

**stats-interval**

Configures the flow statistics collection and reporting interval in seconds. The interval value is an integer that ranges from 1 to 60 seconds.

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### Usage Guidelines

Use this command to collect and report flow statistics.

## stats-options

This command configures options to collect the flow statistics.

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### Product

P-GW

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### Privilege

Security Administrator, Administrator

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### Command Modes

Exec > ACS Configuration > Traffic Optimization Profile Configuration

**active-charging service** *service\_name* > **traffic-optimization-profile**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-traffic-optim)#
```

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### Syntax Description

[ no ] **stats-options** { **flow-analyst** [ **flow-trace** ] | **flow-trace** [ **flow-analyst** ] }

**no**

If previously configured, disables trace collection and reporting.

**flow-analyst**

Enables flow analysis, and large trace collection and reporting.

**flow-trace**

Enables flow trace collection and reporting.

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### Usage Guidelines

Use this command to enable trace collection and reporting.

