

# ThroughputChart Group

*ThroughputChart contains configuration options for throughput visualization.*

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## 1. received\_lower\_threshold

Defines the lower threshold for received traffic.

- Unit: `bits per second`
- Precision: `integer`
- Minimum: `0`
- Default: `0`

### Example

To set the lower threshold to 1 kbps (= 1000 bps), define this parameter as:

```
[ThroughputChart]  
received_lower_threshold=1000
```

## 2. received\_lower\_alert

When enabled, an alert is emitted whenever the received traffic load falls lower than `received_lower_threshold`.

- Values:
  - `true` - An alert is emitted
  - `false` - No alert is emitted
- Default: `false`

### Example

To emit an alert when received traffic falls below 1 kbps, define this parameter as:

```
[ThroughputChart]  
received_lower_threshold=1000  
received_lower_alert=true
```

## 3. received\_upper\_threshold

Defines the upper threshold for received traffic.

- Unit: `bits per second`
- Precision: `integer`
- Minimum: `0`
- Default: `1000000`

### Example

To set the upper threshold to 5 Mbps (= 5000000 bps), define this parameter as:

```
[ThroughputChart]  
received_upper_threshold=5000000
```

## 4. received\_upper\_alert

When enabled, an alert is emitted whenever the received traffic load exceeds `received_upper_threshold`.

- Values:
  - `true` - An alert is emitted
  - `false` - No alert is emitted
- Default: `false`

### Example

To emit an alert when received traffic exceeds 5 Mbps, define this parameter as:

```
[ThroughputChart]
received_upper_threshold=5000000
received_upper_alert=true
```

## 5. sent\_lower\_threshold

Defines the lower threshold for sent traffic.

- Unit: `bits per second`
- Precision: `integer`
- Minimum: `0`
- Default: `0`

### Example

To set the lower threshold to 1 kbps (= 1000 bps), define this parameter as:

```
[ThroughputChart]
sent_lower_threshold=1000
```

## 6. sent\_lower\_alert

When enabled, an alert is emitted whenever the sent traffic load falls lower than `sent_lower_threshold`.

- Values:
  - `true` - An alert is emitted
  - `false` - No alert is emitted
- Default: `false`

### Example

To emit an alert when sent traffic falls below 1 kbps, define this parameter as:

```
[ThroughputChart]
sent_lower_threshold=1000
sent_lower_alert=true
```

## 7. sent\_upper\_threshold

Defines the upper threshold for sent traffic.

- Unit: `bits per second`
- Precision: `integer`
- Minimum: `0`
- Default: `1000000`

### Example

To set the upper threshold to 5 Mbps (= 5000000 bps), define this parameter as:

```
[ThroughputChart]
sent_upper_threshold=5000000
```

## 8. sent\_upper\_alert

When enabled, an alert is emitted whenever the sent traffic load exceeds `sent_upper_threshold`.

- Values:
  - `true` - An alert is emitted
  - `false` - No alert is emitted
- Default: `false`

### Example

To emit an alert when sent traffic exceeds 5 Mbps, define this parameter as:

```
[ThroughputChart]
sent_upper_threshold=5000000
sent_upper_alert=true
```

## 9. visible

Determines if this visualizer is displayed in the GUI.

- Values:
  - `true` - Visualizer is displayed
  - `false` - Visualizer is not displayed
- Default: `false`

### Example

To display the visualizer, define this parameter as:

```
[ThroughputChart]
visible=true
```