

Chapter 10

Monitoring TACACS+

This chapter describes how to monitor the current TACACS+ configurations.

TACACS+ topics are described in the following sections:

- Setting Baseline TACACS+ Statistics on page 271
- Monitoring TACACS+ Statistics on page 271
- Monitoring TACACS+ Information on page 273

Setting Baseline TACACS+ Statistics

You can set a baseline for TACACS+ statistics.

To set the baseline:

- Issue the **baseline tacacs** command:

```
host1#baseline tacacs
```

There is no **no** version.

Related Topics

- **baseline tacacs** command

Monitoring TACACS+ Statistics

Purpose Display TACACS+ statistics.

Action To display TACACS+ statistics:

```
host1#show statistics tacacs
TACACSPLUS Statistics
-----
Statistic      10.5.0.174    10.5.1.199
-----
Search Order   1             2
TCP Port       3049          4049
Auth Requests   140           0
Auth Replies    85            0
```

Auth Pending	43	0
Auth Timeouts	12	0
Author Requests	6399	97
Author Replies	6301	0
Author Pending	0	0
Author Timeouts	98	97
Acct Requests	6321	37
Acct Replies	6280	0
Acct Pending	4	0
Acct Timeouts	37	37

Meaning Table 63 lists the **show statistics tacacs** command output fields.

Table 63: show statistics tacacs Output Fields

Field Name	Field Description
Statistic	IP address of the host
Search Order	The order in which requests are sent to hosts until a response is received
TCP Port	TCP port of the host
Auth Requests	Number of authentication requests sent to the host
Auth Replies	Number of authentication replies received from the host
Auth Pending	Number of expected but not received authentication replies from the host
Auth Timeouts	Number of authentication timeouts for the host
Author Requests	Number of authorization requests sent to the host
Author Replies	Number of authorization replies received from the host
Author Pending	Number of expected but not received authorization replies from the host
Author Timeouts	Number of authorization timeouts for the host
Acct Requests	Number of accounting requests sent to the host
Acct Replies	Number of accounting replies received from the host
Acct Pending	Number of expected but not received accounting replies from the host
Acct Timeouts	Number of accounting timeouts for the host

Related Topics

- **show statistics tacacs** command

Monitoring TACACS+ Information

Purpose Display TACACS+ information.

Action To display TACACS+ information.

```
host1#show tacacs
Key = hippo
Timeout = <NOTSET>, built-in timeout of 5 will be used
Source-address = <NOTSET>
```

TACACS+ Configuration, (*) denotes inherited

IP Address	Tcp Port	Timeout	Primary	Key	Search Order
10.5.0.174	3049	5 (*)	y	hippo (*)	1
10.5.1.199	1049	5 (*)	n	hippo (*)	2

To display overall statistics:

```
host1#show tacacs statistics
```

To display statistics since they were baselined; deltas are not calculated for the pending statistics:

```
host1#show tacacs delta
```

Meaning Table 64 lists the **show tacacs** command output fields.

Table 64: show tacacs Output Fields

Field Name	Field Description
Key	Authentication and encryption key
Timeout	TACACS+ host response timeout in seconds
Source-address	Alternative source IP address configured
TACACSPLUS Configuration	Table contains statistics for each host
IP Address	IP address of the host
TCP Port	TCP port of the host for each IP address
Timeout	Timeout interval in seconds for each IP address
Primary	This IP address's primary host; options: y = yes, n = no
Key	Authentication and encryption key for this IP address
Search Order	The order in which requests are sent to hosts until a response is received

Related Topics

- **show tacacs** command

