



Cisco IOS Login Enhancements (Login Block)

The Cisco IOS Login Enhancements (Login Block) feature provides a way for you to better secure your Cisco IOS software-based device against possible malicious connection attempts.

The **login block** and **login delay** options introduced by this feature can be configured for Telnet, SSH, or HTTP*¹ virtual connections. By enabling this feature, you can slow down “dictionary attacks” by enforcing a “quiet period” if multiple failed connection attempts are detected, thereby protecting the routing device from a type of denial-of-service attack.

Configuration Information

Documentation for the “Cisco IOS Login Enhancements (Login Block)” feature has been moved to another document.

Configuration information is included in the “Cisco IOS Login Enhancements (Login Block)” documentation module of the *Cisco IOS Security Configuration Guide, Release 12.4*, at the following URL:

www.cisco.com/en/US/products/ps6350/products_configuration_guide_chapter09186a0080455b93.html

Command Reference Information

The following commands were introduced with or modified by this feature:

- **login block-for**
- **login delay**
- **login on-failure**
- **login on-success**
- **login quiet-mode access-class**
- **show login**
- See also the **security authentication failure rate** command (introduced as part of the “AutoSecure” feature).

1. *HTTP login block and login delay support is in releases 12.2(33)SXH and 12.4(16)T and later.



For command reference documentation of these commands, see the *Cisco IOS Security Command Reference* appropriate to your software release. For example, for command reference documentation for Cisco IOS software release version 12.2(33)SXH, see the *Cisco IOS Security Command Reference, Release 12.2SX* at

http://www.cisco.com/en/US/products/ps6017/prod_command_reference_list.html

Master Commands Lists

Cisco IOS master commands lists provide an alphabetical list of all Cisco IOS commands in a Cisco IOS release.

Cisco IOS new, modified, removed, and replaced commands lists provide an alphabetized list of all new, modified, removed, and replaced commands in a Cisco IOS release.

Release 12.2SB

Cisco IOS Master Commands List, Release 12.2SB, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sb/122sbrln/122sbix.htm>

Release 12.2SR

Cisco IOS Master Commands List, Release 12.2SR, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122sr/122srmdx/122sridx.htm>

Release 12.4T

Cisco IOS Master Commands List, Release 12.4T, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124htix.htm>

Cisco IOS New, Modified, Removed, and Replaced Commands List, Release 12.4T, at the following URL:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124html.htm>

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Applies to: Cisco IOS Software Releases 12.3T, 12.4, 12.1E, 12.2S, 12.2SB, 12.2SR, 12.2SX, and all derivative releases.

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