



VPDN Group Session Limiting

The VPDN Group Session Limiting feature allows you to configure a limit on the number of Layer 2 Tunnel Protocol (L2TP) or Layer 2 Forwarding (L2F) virtual private dialup network (VPDN) sessions allowed for each VPDN group. Before the introduction of this feature, the number of VPDN sessions could be only globally controlled on the router, with limits applied equally to all VPDN groups.

Configuration Information

Configuration information is included in the “VPDN Tunnel Management” module in the *Cisco IOS VPDN Configuration Guide*, Release 12.4T, at the following URL:

- http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124tgc/tvpdn_c/vpc7tmht.htm

Command Reference

This section documents modified commands.

- [session-limit \(VPDN\)](#)

session-limit (VPDN)

To limit the number of simultaneous virtual private dialup network (VPDN) sessions allowed for a specified VPDN group, use the **session-limit** command in VPDN group configuration mode. To remove a configured session limit restriction, use the **no** form of this command.

session-limit *number*

no session-limit *number*

Syntax Description	<i>number</i>	The number of sessions allowed through a specified VPDN group. Valid values range from 0 to 32767.
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Command Default	No session limit exists for a VPDN group.
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Command Modes	VPDN group configuration
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Command History	Release	Modification
	12.2(1)DX	This command was introduced.
	12.2(2)DD	This command was integrated into Cisco IOS Release 12.2(2)DD.
	12.2(4)T	This command was integrated into Cisco IOS Release 12.2(4)T.
	12.2(11)T	This command was implemented on the Cisco 1760, Cisco AS5300, Cisco AS5350, Cisco AS5400, Cisco AS5800, and Cisco AS5850 platforms.
	12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

Usage Guidelines Use this command to limit the number of allowed sessions for the specified VPDN group. If the **session-limit** command is configured to 0, no sessions are allowed on the VPDN group.

You must configure the VPDN group as either an accept dial-in or request dial-out VPDN subgroup before you can issue the **session-limit** command.

The maximum number of VPDN sessions can be configured globally using the **vpdn session-limit** command, at the level of a VPDN group using the **session-limit** command, or for all VPDN groups associated with a particular VPDN template using the **group session-limit** command.

The hierarchy for the application of VPDN session limits is as follows:

- Globally configured session limits take precedence over session limits configured for a VPDN group or in a VPDN template. The total number of sessions on a router may not exceed a configured global session limit.
- Session limits configured for a VPDN template are enforced for all VPDN groups associated with that VPDN template. The total number of sessions for all of the associated VPDN groups may not exceed the configured VPDN template session limit.
- Session limits configured for a VPDN group are enforced for that VPDN group.

Examples

The following example configures an accept dial-in VPDN group named group1 and restricts the VPDN group to a maximum of three simultaneous sessions:

```
Router(config)# vpdn-group group1
Router(config-vpdn)# accept-dialin
Router(config-vpdn-acc-in)# protocol l2tp
Router(config-vpdn-acc-in)# virtual-template 5
Router(config-vpdn-acc-in)# exit
Router(config-vpdn)# terminate-from hostname host1
Router(config-vpdn)# session-limit 3
```

Related Commands

Command	Description
accept-dialin	Creates an accept dial-in VPDN subgroup that configures a tunnel server to accept requests from a NAS to tunnel dial-in calls, and enters accept dial-in VPDN subgroup configuration mode.
group session-limit	Limits the number of simultaneous VPDN sessions allowed across all VPDN groups associated with a particular VPDN template.
request-dialout	Creates a request dial-out VPDN subgroup that configures a tunnel server to request the establishment of dial-out L2TP tunnels to a NAS, and enters request dial-out VPDN subgroup configuration mode.
show vpdn session	Displays session information about active Layer 2 sessions for a VPDN.
source vpdn-template	Associates a VPDN group with a VPDN template.
vpdn session-limit	Limits the number of simultaneous VPDN sessions allowed on a router.
vpdn-group	Creates a VPDN group and enters VPDN group configuration mode.
vpdn-template	Creates a VPDN template and enters VPDN template configuration mode.

