

Shell Fork Bomb Protection

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Overview

Fork bombs start a cascade of small processes on a server that duplicate themselves until the server's resources are depleted.

This feature helps you protect your server from users with terminal access (SSH or Telnet) who may inadvertently or intentionally cause a fork bomb.

How to configure shell fork bomb protection

To enable or disable shell fork bomb protection, click *Enable Protection* or *Disable Protection*.

After you enable shell fork bomb protection, the system imposes the following limits on users in order to protect the server:

Limit	Option	Description
200000	-c	Limits the maximum size of core files that users can create.
200000	-d	Limits the maximum size of a process's data segment.
200000	-m	Limits the maximum resident set size.
100	-n	Limits the maximum number of open-file descriptors.
8192	-s	Limits the maximum stack size.
35	-u	Limits the maximum number of processes that are available to a single user. <div style="border: 1px solid #f0e68c; padding: 10px; margin-top: 10px;">Note: This option limits cPanel users with bash shell access, which is the default shell for cPanel users, to 35 processes each.</div>
Unlimited	-v	The amount of virtual memory available for the processes.

Additional documentation

[Suggested documentation](#) [For cPanel users](#) [For WHM users](#) [For developers](#)

- [Manage root's SSH Keys](#)
- [Shell Fork Bomb Protection](#)
- [Manage Wheel Group Users](#)
- [Manage Shell Access](#)
- [SSH Password Authorization Tweak](#)

- [SSH Access](#)
- [SSL TLS Wizard](#)
- [SSL TLS](#)
- [Virus Scanner](#)
- [Security Policy](#)

- [How to Secure SSH](#)
- [Manage root's SSH Keys](#)
- [Shell Fork Bomb Protection](#)
- [Manage Wheel Group Users](#)
- [How to Access the Command Line](#)

- [WHM API 1 Functions - authorizesshkey](#)
- [WHM API 1 Functions - check_remote_ssh_connection](#)
- [WHM API 1 Functions - convertopensshtoputty](#)
- [WHM API 1 Functions - generatesshkeypair](#)
- [WHM API 1 Functions - deletesshkey](#)