

Compiler Access

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Overview

This interface allows you to disable your users' access to the C and C++ compilers on your server. This can help you to protect your server from attacks that exploit vulnerabilities in those compilers.

Manage compiler access

To enable the compilers for all unprivileged users, click *Enable Compilers*. To disable the compilers for all unprivileged users, click *Disable Compilers*.

If you wish to grant compiler access to specific users, perform the following steps:

1. Click *Allow specific users to use the compilers*.
2. Select the desired user from the *Add a user to the compiler group* menu.
3. Click *Add to Group*.

To remove compiler access from a user, perform the following steps:

1. Select the appropriate user's name from the *Remove a user from the compiler group* menu.
2. Click *Remove from Group*.

How does this feature work?

When compiler access is enabled (default), the `/usr/bin/gcc` file has the following permissions:

permissions	user	group
<code>-rwxr-xr-x</code>	root	root

When you disable compiler access, cPanel changes the permissions of the `/usr/bin/gcc` file to:

permissions	user	group
<code>-rwxr-x---</code>	root	compiler

The `compiler` group contains the `cppanel` user and any users that you add to the *Allow specific users to use the compilers* menu.

For more information about Linux file system permissions, visit the [Wikipedia's article on File System Permissions](#).

Warning:

- If a user appears in the `compiler` group who does not have a corresponding cPanel account, someone has edited the `/etc/group` file to add that user.
- If you enable compiler access for everyone after you have disabled compiler access, the group information will **not** change. However, the system will grant read and execute permission for the `/usr/bin/gcc` file to everyone.
- If you restrict compiler access **again**, examine the `compiler` group's membership. If no one has edited the `compiler` group, it will still contain users who had access to the compilers the last time that you restricted access.

Additional documentation

Suggested documentation For cPanel users For WHM users For developers

- Host Access Control
- Two-Factor Authentication for WHM
- cPHulk Brute Force Protection
- Manage Service SSL Certificates
- Purchase and Install an SSL Certificate

- SSH Access
- SSL TLS Wizard
- Security Policy
- SSL TLS
- Virus Scanner

- Additional Security Software
- Download Security
- Host Access Control
- Tips to Make Your Server More Secure
- cPHulk Management on the Command Line

- WHM API 1 Functions - installssl
- WHM API 1 Functions - get_autossl_log
- WHM API 1 Functions - get_autossl_providers
- WHM API 0 Functions - installssl
- WHM API 1 Functions - fetchsslinfo