WHM Scripts

Overview

When cPanel & WHM installs, cPanel-provided scripts become available in your server's `/usr/local/cpanel/scripts` directory. To run a script, enter its location on the command line. For example, to run the update script, run the following command:

```
/usr/local/cpanel/scripts/upcp
```

> ⊕ **Warnings:**
>
> - When you run a script, you **must** use the script's full file path even if you run the script in the `/usr/local/cpanel/scripts` directory.
> - Do **not** use scripts in the `/usr/local/cpanel/scripts` directory that we do not list in this document. You may damage your server if you run those unlisted scripts.

Scripts

Script	Description
`addpop`	Adds a POP account.
`backups_list_user_files`	This script locates a user's files in compressed, uncompressed, or incremental backups. The script returns all files in the backups in Comma Separated Value (CSV) format. > ⚠ **Note:** > The format varies based on the backup type—incremental, compressed, or uncompressed. For more information, read our The backups_list_user_files Script documentation.
`--user=[user]`	This parameter is **optional**. When used in conjunction with the `--backup` parameter, this creates metadata files for a specific user within the desired backup. > ⚠ **Note:** > You **must** use this parameter with the `--backup` parameter to create a metadata file for a user within a backup.
`--regexp=regexp`	A Regular Expression is **optional** to filter unwanted files in the list.
`--skipcompressed`	This parameter is **optional**. If you add this parameter, the script will skip compressed backups. > ⊕ **Important:** > This process takes a long time to uncompress the files.
`build_maxemails_config`	Sets limits on the amount of email that users can send from domains on your server. For more information about this script's limits, read our Mail Limiting Features documentation.

`check_users_my_cnf`	Checks user accounts for `~/.my.cnf` files that do not work, and disable them. This script only returns output when it detects a bad `.my.cnf` file. ⚠️ **Note:** For more information, run the following command: `/usr/local/cpanel/scripts/check_users_my_cnf --help`
`checkallsslcerts`	Installs or updates a cPanel-signed hostname certificate. For more information, read our The `checkallsslcerts` Script documentation. ⚠️ **Note:** This script resides in the `/usr/local/cpanel/bin` directory.
`chkmydns`	Performs a simple configuration check of MyDNS.
`cleansessions`	Removes various session files for the following applications: • phpMyAdmin • phpPgAdmin • Horde • Roundcube • SquirrelMail Removes the following expired files: • cPanel Password Reset session and flood protect files • cPanel Subaccount Invitation session and flood protect files ⚠️ **Note:** For more information, run the following command: `/usr/local/cpanel/scripts/cleansessions --help`
`clean_up_temp_wheel_users`	Removes any temporary wheel group users that are no longer necessary for cPanel Support's access to the server. ⚠️ **Note:** WHM's *Grant cPanel Support Access* (*Home >> Support >> Grant cPanel Support Access*) and *Create Support Ticket* (*Home >> Support >> Create Support Ticket*) interfaces can create temporary wheel users to allow cPanel Support access to your server.
`comparecdb`	Compares the contents of two CDB files. Specify the two CDB files that you wish to compare after the script. ⚠️ **Note:** For example, run the following command, where `file1` and `file2` represent the two files that you wish to compare: `/usr/local/cpanel/scripts/comparecdb file1 file2`

`configure_rh_ipv6_firewall_for_cpanel`	Sets up your IPv6 firewall. Any user with `root` privileges can run this script. Run this script if either of the following statements are true:
	
	 • You do **not** manage your IPv6 firewall rules with any other tools or utilities.
	 • You **cannot** connect to your IPv6 addresses or IPv6-enabled websites on port `80`.
	
	 ⚠️ **Notes:**
	
	     • The rules that this script creates remain active even if you reboot the server.
	     • Due to the way in which CentOS 7, CloudLinux™ 7, and Red Hat® Enterprise Linux (RHEL) 7 manage firewalls, we do **not** recommend that you use this script if your server uses one of those operating systems.
	
	 This script performs the following actions:
	
	 • Opens port `22` for SSH.
	 • Opens port `53` for DNS.
	 • Opens port `80` for HTTP.

`convert_accesshash_to_token`	Converts a WHM user's `accesshash` key to an API token. For more information, read our The convert_accesshash_to_token Script documentation.
`convert_maildir_to_mdbox`	
`convert_mdbox_to_maildir`	Converts mailboxes from mdbox format to maildir format. For more information, read our The Mailbox Format Conversion Scripts documentation.
`convert_roundcube_mysql2sqlite`	Converts the Roundcube database from MySQL® to SQLite. 🛑 **Warning:** You may need to convert individual accounts, even after the database conversion. To convert individual cPanel accounts that use RoundCube to SQLite, add the username as the parameter: ``` /usr/local/cpanel/scripts/convert_roundcube_mysql2sqlite user ```
`copy-etc-files`	Creates customized copies of your `/etc/bashrc`, `/etc/issue`, and `/etc/issue.net` files in the `/etc` directory.
`cpbackup`	Backs up all accounts.
`delpop`	Removes a POP account.
`dovecot_maintenance`	Runs nightly and deletes messages from trash folders that are older than the *Trash Expire Time* value in WHM's *Mailserver Configuration* interface (*Home >> Service Configuration >> Mailserver Configuration*). To activate this script, select the *Auto Expunge Trash* checkbox. It also cleans out invalid usernames from the database tables.
`dumpcdb`	Displays the contents of a CDB file. Specify the CDB file that you wish to view. ⚠️ **Note:** For example, run the following command, where `file` represents the file that you wish to view: ``` /usr/local/cpanel/scripts/dumpcdb file ```
`easyapache`	Upgrades and reinstalls Apache.

`empty_user_trash`	Purges files from `.trash` folders in user home directories that are older than the *Age of content to purge from users' File Manager Trash* setting in the *System* section of the WHM's *Tweak Settings* interface (*Home >> Server Configuration >> Tweak Settings*). ⚠️ **Notes:** - This script runs as a part of the nightly maintenance script. - This script exists in the `/usr/local/cpanel/bin/` directory.
`enable_spf_dkim_globally`	Enables SPF and DKIM for every cPanel user on the server, and then creates SPF and DKIM records for all of these users' domains. For more information, read our The SPF and DKIM Global Settings Script documentation.
`fix_addon_permissions`	Adjusts the permissions on cPAddon-specific files that contain sensitive information. This scripts **only** adjusts cPAddons that support the tighter security model that we introduced in cPanel & WHM version 64. ⚠️ **Note:** Certain cPAddons possess security-sensitive files, such as files that contain passwords in clear text. cPAddons that exist on the servers that do **not** use the `mpm-itk`, `mod_ruid2`, or `mod_suphp` modules require additional file permission adjustments to prevent security issues between users. For security reasons, we do **not** recommend that you install any cPAddons on shared hosting servers without one of these modules.
`exportmydnsdb`	Exports zones from MyDNS for use with BIND and NSD.
`fixmailinglistperms`	Repairs permissions for all mailing list files and directories.
`gather-update-logs`	Sends update logs to cPanel, Inc. for analysis.
`hook`	Executes any hooks that the system would normally call in the specified context.
`importmydnsdb`	Imports zone information from BIND and NSD into MyDNS.
`install_dovecot_fts`	Enables Internet Message Access Protocol (IMAP) Full-Text Search (FTS) Indexing (powered by Solr), which provides fast search capabilities for IMAP mailboxes. For more information, read our The install_dovecot_fts Script documentation.
`install_plugin`	Installs a cPanel plugin. For more information, read the Guide to cPanel Plugins documentation. 🛑 **Important:** Due to the permissions that the `/usr/local/cpanel/scripts/install_plugin` script requires in order to access the necessary files, **only** the `root` user can run this script successfully.
`installpostgres`	Installs PostgreSQL®.
`installruby`	Installs Ruby.
`is_script_stuck`	Checks how long a script's current PID has run, and can notify a WHM user or kill the process. For more information, read our The `is_script_stuck` Script documentation. ⚠️ **Note:** This script resides in the `/usr/local/cpanel/bin` directory.
`maintenance`	Performs system updates, and terminates the processes that you specify in WHM's *Background Process Killer* interface *(Home >> System Health >> Background Process Killer)*. ⚠️ **Note:** This script runs as a part of the `/usr/local/cpanel/scripts/upcp` script.
`manage_greylisting`	Manages the cPanel Greylisting service. For more information, read The manage_greylisting Script documentation. ⚠️

`migrate_lega cy_wordpress _to_modern_w ordpress`	Converts legacy cPAddon WordPress® installations to the RPM-based WordPress cPAddon. ⚠️ **Note:** The RPM-based WordPress cPAddon version 1.1.2 installs this script.
`modsec_vendor`	Lists, adds, removes, or updates ModSecurity™ vendors.
`modify_accou nts`	Updates the theme for specific accounts on the server. ⚠️ **Note:** For more information, read our The modify_accounts Script documentation or run the following command: `/usr/local/cpanel/scripts/modify_accounts --help`
`modify_packa ges`	Updates the theme for specific packages located on the server. ⚠️ **Note:** For more information, read the The modify_packages Script documentation or run the following command: `/usr/local/cpanel/scripts/modify_packages --help`
`onboot_handl er`	Runs any scripts found in the `/var/cpanel/on_boot` or `/usr/local/cpanel/bin/on_boot` directories when the server boots. ⚠️ **Note:** Any scripts that you add to the `/var/cpanel/on_boot` and `/usr/local/cpanel/libexec/on_boot` will automatically run on all system reboots. For more information, read our The onboot_handler Script documentation.
`phpextension mgr`	Manages PHP extensions.
`pkgacct`	Handles cPanel packages. For more information, read our The pkgacct Script documentation.
`process_site _templates`	Processes template files and user-provided data to create an Site Publisher website.
`purge_modsec _log`	Removes stale records from the `modsec` database.
`realperlinst aller`	Automates the installation of CPAN modules.
`rebuild_dbmap`	Rebuilds a user's corrupted database map.
`rebuild_phpc onf`	Manages your server's default PHP version and PHP handlers in EasyApache 4. For more information, read our The rebuild_phpconf Script documentation. ⚠️ **Note:** This script exists in the `/usr/local/cpanel/bin/` directory.
`removeacct`	Removes a cPanel account.

restartsrv_*	Restarts a service. For more information, read our [How to Restart Services](#) documentation. We currently provide restart scripts for the following services (replace the asterisk (*) in restartsrv_* with the desired item below):
apache	Restarts the Apache web server.
bind	Restarts the BIND nameserver software.
chkservd	Restarts cPanel's TailWatch log processing service.
clamd	Restarts the ClamAV antivirus software.
cpanellogd	Restarts the cpanellogd daemon.
cpdavd	Restarts cPanel's WebDAV server.
cphulkd	Restarts cPHulk.
cpipv6	Binds or rebinds the server's IPv6 addresses. Run this script with the --list flag to list all of the server's bound IPv6 addresses.
cpsrvd	Restarts the cpsrvd daemon.
crond	Restarts the crond daemon.
dnsadmin	Restarts the dnsadmin daemon.
dovecot	Restarts the Dovecot mail server.
exim	Restarts the Exim mail exchanger.
eximstats	Restarts the Exim mail statistics tracker.
ftpd **or** ftpserver	Restarts the configured FTP service (ProFTPd or Pure-FTPd).
httpd	Restarts the Apache web server.
imap	Restarts the IMAP server (Dovecot).
inetd	Restarts the super-server daemon that manages Internet services.
ipaliases	Restarts the IP address aliasing software.
mailman	Restarts Mailman.
mydns	Restarts the MyDNS server.
mysql	Restarts the MySQL database server.
named	Restarts the BIND nameserver software.
nsd	Restarts the NSD nameserver daemon.
p0f	Restarts the passive OS fingerprinting service.
postgres **or** postgresql	Restarts the PostgreSQL database service.
proftpd	Restarts the ProFTPd server daemon.
pureftpd	Restarts the Pure-FTPd server daemon.
queueprocd	Restarts the queueprocd daemon.
rsyslogd	Restarts the open-source log forwarder daemon.
spamd	Restarts the Apache SpamAssassin™ daemon.
sshd	Restarts the Secure shell daemon.
syslogd	Restarts the Log forwarder daemon.
tailwatchd	Restarts cPanel's TailWatch log processing service.

`tomcat`	Restarts the Apache Tomcat service. ⊘ **Important:** EasyApache 3 does **not** support Tomcat for new installations. EasyApache 4 does **not** support Tomcat and we do **not** plan to provide support in the future.
`xinetd`	Restarts the open-source super-server daemon.
`restorepkg`	Restores a package. For more information, read our The restorepkg Script documentation.
`rpmup`	Updates system software for all users.
`runstatsonce`	Updates statistics for all users.
`runweblogs`	Updates statistics for a user.
`securemysql`	Secures a cPanel account's MySQL® configuration. For more information, read our The securemysql Script documentation.
`set_php_memory_limits`	Adjusts the `memory_limit` directive for all versions of PHP installed in the `/opt/cpanel/` directory based on the server's available memory. For more information, read WHM's *MultiPHP INI Editor* interface (*Home* >> *Software* >> *MultiPHP INI Editor*) documentation. ⚠ **Notes:** • This script only applies to systems that run EasyApache 4. • You **must** use the `--run` flag.
`setupftpserver`	Allows you to switch between FTP servers.
`setup_greylist_db`	Creates the `greylist` SQLite database and allows you to add common email services to the trusted hosts list.
`setup_modsec_db`	Creates the `modsec` MySQL database and user.
`setupmailserver`	Allows you to switch between mail servers. ⊘ **Important:** We removed the Courier mail server in cPanel & WHM version 54. cPanel & WHM **only** ships with the Dovecot mail server.
`setupnameserver`	Allows you to switch between DNS servers.
`slurp_exim_mainlog`	Imports exim `mainlog` data into the `eximstats` database.
`suspendacct`	Suspends an account.
`try-later`	Executes a user-defined `check` command at a specified interval. If the `check` command returns an error, it retries as often as the `max-retries` parameter allows. When the check succeeds, a user-defined `action` command runs. You can use this script with the following options:
`--at`	Allows you to specify a delay (in an interval other than minutes) after which to run the `check` and `action` commands. If you set this option, then the `try-later` command will pass directly to the `at` command. To learn more about the `at` command, visit its man page.
`--action`	Runs when the `check` command succeeds.
`--act-finally`	Runs the `action` command when retries are exhausted.
`--check`	Determines whether the `action` command will run.
`--delay`	Allows you to specify a delay (in minutes) after which to run the `check` and `action` commands. This value defaults to 5. If you set this option, then it overrides the `--at` option.

`--help`	Displays a brief help message.
`--max-retries`	Allows you to specify the maximum number of retry attempts before you run the `action` command. This value defaults to `unlimited`.
`--skip-first`	Skips the initial `check` command.
`uninstall_plugin`	Uninstalls a cPanel plugin. For more information, read our [Uninstall Plugins](#) documentation.
`unlink_service_account`	Restores a service account to an unlinked state. ⚠️ **Note:** For more information, run the following command: `/scripts/unlink_service_account --help`
`unsuspendacct`	Unsuspends an account.
`*up`	Updates a service. We currently provide several scripts that use this format to update a service.
`cpaddonsup`	Updates the cPAddons scripts.
`phpup`	Updates the current version of PHP.
`suphpup`	Updates the suPHP tool to handle PHP requests.
`upcp`	Updates cPanel & WHM.
`upcp-running`	Specifies whether a `upcp` command runs. This information displays in text output and the script's exit value. By default, a zero exit value signals that the target `upcp` command currently runs.
`--help`	Displays a brief help message.
`--invert-exit`	Exits with a non-zero error value (`1`) if the target `upcp` command currently runs.
`upgrade_subaccount_databases`	Verifies and upgrades the Subaccount database table schemas for each cPanel account. ⚠️ **Note:** For more information, run the following command: `/usr/local/cpanel/scripts/upgrade_subaccount_databases --help`
`wwwacct`	Adds a cPanel account. For more information, read our [The wwwacct Script](#) documentation

Additional documentation

- [WHM Scripts](#)
- [The onboot_handler Script](#)
- [Tweak Settings - System](#)
- [The is_script_stuck Script](#)
- [The Task Queue System](#)