

The cpanel.config File

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For cPanel & WHM version 62

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Overview

The `/var/cpanel/cpanel.config` file stores all of the settings that exist in WHM's [Tweak Settings](#) interface (*Home >> Server Configuration >> Tweak Settings*). You can find more information about the requirements for each value in the [Keys and default settings](#) section below.

You can preconfigure your server's settings before you install cPanel & WHM. For instructions for how to preconfigure your server's settings before installation, read our [Customize Your Installation](#) documentation.

Cached values

To improve overall performance, the system caches the `/var/cpanel/cpanel.config` file's settings in the `cpanel.config.cache` file. This file updates each time that the `/var/cpanel/cpanel.config` file updates, to ensure that the cached settings are up-to-date.

Configuration setting validation

The settings in the `/var/cpanel/cpanel.config` file use the `key=value` format. The system validates each `key=value` pair whenever you edit this file or change settings in WHM's [Tweak Settings](#) interface (*Home >> Server Configuration >> Tweak Settings*).

If the system encounters problems during validation, it takes the following actions:

Absent cpanel.config file

- If the entire `/var/cpanel/cpanel.config` file does not exist, your server performs the following steps:
- The server copies the contents of the `/etc/cpanel.config` default file and saves it as the `/var/cpanel/cpanel.config` file.
 - The server copies the contents of the `cpanel.config.cache` file, if it is present.
 - If the system cannot find the `cpanel.config.cache` file, you will receive an email notification.
 - You can change your email notification settings in WHM's [Contact Manager](#) interface (*Home >> Server Contacts >> Contact Manager*).
 - For any dynamic values that are not set, the server attempts to guess the correct value.
 - For example, to set the `mailserver` value, the server checks whether your system uses the `dovecot` RPM.
 - The server logs the changes to the `/usr/local/cpanel/logs/error_log` file.

Absent values

- If one or more keys do not exist in the `/var/cpanel/cpanel.config` file, the server attempts to generate them from the following sources in the following order:
- The server copies the `key=value` pair from the `cpanel.config.cache` file, if it exists.
 - If the key's value is static, and it does not exist in the `cpanel.config.cache` file, the system copies the `key=value` pair from the default value in the `/usr/local/cpanel/etc/cpanel.config` file.
 - If the key's value is dynamic, and it does not exist in the `cpanel.config.cache` file, the server calculates an appropriate value.
 - The server logs the changes to the `/usr/local/cpanel/logs/error_log` file.

Invalid values

- If one or more of the following values are invalid in the `/var/cpanel/cpanel.config` file, the server attempts to replace them with a valid value:
- `mysql-version`
 - `local_nameserver_type`
 - `mailserver`
 - `ftpserver`

These variables are deprecated and we will remove them in later versions of cPanel & WHM. If you use them in custom code, update your code to use the `rpm.versions` system as soon as possible to avoid problems.

For more information, read our [How to Override the rpm.versions System](#) documentation.

Keys and default settings

The following table lists the keys that the `/var/cpanel/cpanel.config` file stores, their *Tweak Settings* labels, default values, and validation requirements.

☐ **Notes:**

- You can find the current cPanel-supplied default values for these keys in the `/usr/local/cpanel/etc/cpanel.config` file.
- You must edit keys that do not have an associated *Tweak Settings* tab and label in the `/var/cpanel/cpanel.config` file.

Key	Tweak Settings equivalent	Default and validation requirements
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WHM User Documentation	No <i>Tweak Settings</i> equivalent. This setting specifies the location of cPanel's Raw Access logs, which contains general information about cPanel access requests.	Default: /usr/local/cpanel/logs/access_log
account_login_access	System <i>Accounts that can access a cPanel user account:</i>	Default: owner_root <div><input type="checkbox"/> Warning: Only set this key to one of the following values: owner, owner_root, or user.</div>
adminuser	No <i>Tweak Settings</i> equivalent.	Default: cpanel
allow_login_autocomplete	System <i>Allow autocomplete in login screens.</i>	Default: 1
allow_server_info_status_from	System <i>Allow server-info and server-status</i>	Default: undef
allowcpsslinstall	System <i>Allow cPanel users to install SSL Hosts</i>	Default: 1
allowparkhostnamedomainsubdomains	Domains <i>Allow users to park subdomains of the server's hostname.</i>	Default: 0
allowparkonothers	Domains <i>Allow cPanel users to create subdomains across accounts</i>	Default: 0
allowremotedomains	Domains <i>Allow Remote Domains</i>	Default: 0
allowresellershostnamedomainsubdomains	Domains <i>Allow resellers to create accounts with subdomains of the server's hostname.</i>	Default: 0
allowunregistereddomains	Domains <i>Allow unregistered domains</i>	Default: 0
allowwhmparkonothers	Domains <i>Allow WHM users to create subdomains across accounts</i>	Default: 0
alwaysredirecttossl	Redirection <i>Always redirect to SSL</i>	Default: 0
anon_data_optout	System <i>Send anonymous usage data to cPanel</i>	Default: 0
apache_port	System <i>Apache non-SSL IP/port</i>	Default: 0.0.0.0:80
apache_ssl_port	System <i>Apache SSL port</i>	Default: 0.0.0.0:443
api_shell	System <i>cPanel & WHM API shell (for developers)</i>	Default: 0
autocreateaentries	Domains <i>Automatically add A entries for registered nameservers when creating a new zone</i>	Default: 1
autodiscover_host	Domains <i>Host to publish in the SRV records for Outlook autodiscover support.</i>	Default: cpanelmaildiscovery.cpanel.net
autodiscover_mail_service	Domains <i>Preferred mail service to configure to use for Thunderbird and Outlook autodiscover and autoconfig support</i>	Default: imap

WHM User Documentation domains	Domains <i>Thunderbird and Outlook autodiscover and autoconfig support (enables proxy subdomain and SRV record creation)</i>	Default: 0 <div> <input type="checkbox"/> Warning: This value is dynamic, and you must perform additional steps if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. </div>
awstatsbrowserupdate	Stats and Logs <i>Allow users to update Awstats from cPanel</i>	Default: 0
awstatsreversedns	Stats Programs <i>Awstats reverse DNS resolution</i>	Default: 0
basename	No Tweak Settings equivalent.	Default: cpanel
bind_deferred_restart_time	System <i>BIND deferred restart time</i>	Default: 0
blockcommondomains	Domains <i>Prevent cPanel users from creating specific domains</i>	Default: 1
bwcycle	No Tweak Settings equivalent. This value specifies the bandwidth cycle. <div> <input type="checkbox"/> Note: You can change this value in WHM's Statistics Software Configuration interface (Home >> Server Configuration >> Statistics Software Configuration). </div>	Default: 2 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it rounds the value to the nearest quarter hour. </div>
cgiemaildisabled	Security <i>CGIEmail and CGIEcho</i> <div> <input type="checkbox"/> Warning: The CGI Center interface (Home >> Software and Services >> CGI Center) only exists in cPanel's deprecated x3 theme. You cannot create new CGI scripts with cPanel's current theme (Paper Lantern), and we strongly discourage the use of the x3 theme. </div>	Default: 0
cgihidepass	Security <i>Hide login password from cgi scripts</i> <div> <input type="checkbox"/> Warning: The CGI Center interface (Home >> Software and Services >> CGI Center) only exists in cPanel's deprecated x3 theme. You cannot create new CGI scripts with cPanel's current theme (Paper Lantern), and we strongly discourage the use of the x3 theme. </div>	Default: 0
check_zone_owner	Domains <i>Check zone owner</i>	Default: 1
check_zone_syntax	Domains <i>Check zone syntax</i>	Default: 1
chkservd_check_interval	System <i>The number of seconds between ChkServd service checks.</i>	Default: 300
chkservd_hang_allowed_intervals	System <i>The number of times ChkServd allows a previous check to complete before termination.</i>	Default: 2
chkservd_plaintext_notify	System <i>The option to enable or disable ChkServd HTML notifications.</i>	Default: 0

WHM User Documentation threshold	No <i>Tweak Settings</i> equivalent. <input type="checkbox"/> Note: To change this value, use the <i>Failure threshold for cluster members</i> setting in WHM's DNS Cluster interface (<i>Home >> Clusters >> DNS Cluster</i>).	Default: 10
cluster_failure_notifications	No <i>Tweak Settings</i> equivalent. <input type="checkbox"/> Note: To change this value, select or deselect the <i>Receive a notification when WHM disables an unresponsive cluster member</i> checkbox in WHM's DNS Cluster interface (<i>Home >> Clusters >> DNS Cluster</i>).	Default: 1
conserve_memory	System Conserve memory	Default: 0 <input type="checkbox"/> Warning: This value is dynamic, and you must perform additional steps if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.
cookieipvalidation	Security Cookie IP validation	Default: strict <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to disabled if it is currently 0. Otherwise, it converts this value to the default setting.
coredump	Security Generate core dumps	Default: 0
cpaddons_adminemail	cPAddons Site Software cPAddons Site Software admin email	Default: "" (an empty string)
cpaddons_autoupdate	cPAddons Site Software cPAddons Site Software source automatic updates	Default: 1
cpaddons_max_moderation_req_all_mod	cPAddons Site Software Max cPAddons Site Software installation requests	Default: 99
cpaddons_max_moderation_req_per_mod	cPAddons Site Software Max cPAddons Site Software installation requests per addon	Default: 99
cpaddons_moderation_request	cPAddons Site Software cPAddons Site Software moderation notification	Default: 0
cpaddons_no_3rd_party	cPAddons Site Software Allow cPAddons Site Software installations from non-cPanel sources	Default: 0
cpaddons_no_modified_cpanel	cPAddons Site Software Allow cPAddons Site Software installations from modified sources	Default: 1
cpaddons_notify_owner	cPAddons Site Software Notify reseller of cPAddons Site Software installations	Default: 1
cpaddons_notify_root	cPAddons Site Software Notify root of cPAddons Site Software installations	Default: 1
cpaddons_notify_users	cPAddons Site Software Notify cPanel users when they need to update their cPAddons Site Software installations	Default: Allow users to choose
cpanel_locale	No <i>Tweak Settings</i> equivalent.	Default: undef

WhmUserDocumentation	Redirection <i>Non-SSL redirect destination</i>	Default: Origin Domain Name
cpredirectssl	Redirection <i>SSL redirect destination</i>	Default: SSL Certificate Name
cpsrvd-domainlookup	System <i>cpsrvd username domain lookup</i>	Default: 0
cpsrvd-gzip	System <i>Gzip page compression</i>	Default: 1
create_account_dkim	Domains <i>Enable DKIM on domains for newly created accounts</i>	Default: 1
create_account_spf	Domains <i>Enable SPF on domains for newly created accounts</i> <div> <input type="checkbox"/> Note: The /scripts/enable_spf_dkim_globally script allows you to enable SPF and DKIM for existing accounts on the server, and create the appropriate DNS records for their domains. For more information, read our The SPF and DKIM Global Settings Script documentation. </div>	Default: 1 <div> <input type="checkbox"/> Note: On servers that run CentOS 7, you may see a named warning about the absence of SPF resource records on DNS. <ul style="list-style-type: none"> This warning is not relevant on CentOS 7 servers, because RFC 7208 deprecated SPF records. CentOS 7 servers use TXT records instead of SPF records. Red Hat 7.1 and CentOS 7.1 both contain bind-9.9.4-23.el7, which is an updated version of BIND that complies with RFC 7208. To resolve this issue, update your operating system to a version that contains the updated version of BIND. For more information, read the the Red Hat Bugzilla case about SPF record errors. </div>
cycle_hours	No <i>Tweak Settings</i> equivalent. This setting adjusts the frequency with which your server processes logs. <div> <input type="checkbox"/> Note: You can change this value in WHM's Statistics Schedule Configuration interface (<i>Home >> Server Configuration >> Statistics Software Configuration</i>). </div>	Default: 24 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will round this value to the nearest quarter hour. </div>
database_prefix	SQL <i>Require a username prefix on names of new databases and database users</i>	Default: 1
debughooks	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Warning: This setting acts as a fallback setting for the values in the /var/cpanel/debughooks file, which the <i>Standardized Hooks - Debug Mode</i> option in the Development section of WHM's Tweak Settings interface (<i>Home >> Server Configuration >> Tweak Settings</i>) controls. For more information about the debughooks key, read our Guide to Standardized Hooks - Debug Mode documentation. </div>	Default: 0
default_archive-logs	Stats and Logs <i>Archive logs in the user's home directory at the end of each stats run unless configured by the user.</i>	Default: 1
default_login_theme	Display <i>Default login theme</i>	Default: cpanel
default_remove-old-archived-logs	Stats and Logs <i>Remove the previous month's archived logs from the user's home directory at the end of each month unless configured by the user.</i>	Default: 1

WebUserDocumentation	Mail <i>Initial default/catch-all forwarder destination</i>	Default: localuser
disable-php-as-reseller-security	Security <i>Allow PHP to be run when logged in as a reseller to WHM</i>	Default: 0
disableipnscheck	System <i>Allow Sharing Nameserver IPs</i>	Default: 0
disablequotacache	System <i>Cache disk quota information</i>	Default: 0
discardformmailbccsubject	Mail <i>Discard FormMail-clone message with bcc:</i>	Default: 1
disk_usage_include_mailman	Mail <i>Include mailman in disk usage calculations</i>	Default: 1
disk_usage_include_sqldbs	SQL <i>Include databases in disk usage calculations</i>	Default: 1
dnsadmin_log	Logging <i>Log dnsadmin requests</i>	Default: 0
dnsadmin_verbose_sync	Logging <i>Enable verbose logging of DNS zone syncing</i>	Default: 0
dnsadminapp	Domains <i>DNS request management application</i>	Default: undef <div><input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is an empty string.</div>
dnslookuponconnect	System <i>Reverse DNS lookup upon connect</i>	Default: 0
docroot	No <i>Tweak Settings</i> equivalent. This setting specifies the document root for WHM.	Default: /usr/local/cpanel/base
domainowner_mail_pass	Mail <i>Mail authentication via domain owner password</i>	Default: 0 <div><input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.</div>
dormant_services	Software <i>Dormant services</i>	Default: cpdavid, cphulkd, cpsrsvd, dnsadmin, spamd <div><input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.</div>
dumplogs	Stats and Logs <i>Delete each domain's access logs after stats run</i>	Default: 1
email_account_quota_default_selected	Mail <i>Default quota option for new email accounts</i>	Default: userdefined
email_account_quota_userdefined_default_value	Mail <i>Default user-defined quota value for new email accounts</i>	Default: 250
email_send_limits_count_mailman	Mail <i>Count mailman deliveries towards a domain's Max hourly emails.</i>	Default: 0

WHM User Documentation	Mail	Default: 125
email_send_limits_defer_cutoff	<i>The percentage of email messages (above the account's hourly maximum) to queue and retry for delivery.</i>	
email_send_limits_max_defer_fail_percentage	Mail <i>Maximum percentage of failed or deferred messages a domain may send per hour</i>	Default: undef
email_send_limits_min_defer_fail_to_trigger_protection	Mail <i>Number of failed or deferred messages a domain may send before protections can be triggered</i>	Default: 5
emailarchive	Mail <i>Enable Email Archiving support</i>	Default: 0
emailpasswords	Security <i>Send passwords when creating a new account</i>	Default: 0
emailusers_diskusage_critical_contact_admin	Notifications <i>Notify admin or reseller when disk quota reaches "critical" state</i>	Default: 1
emailusers_diskusage_critical_percent	Notifications <i>Account disk quota "critical" percentage</i>	Default: 90 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
emailusers_diskusage_full_contact_admin	Notifications <i>Notify admin or reseller when disk quota reaches "full" state</i>	Default: 1
emailusers_diskusage_full_percent	Notifications <i>Account disk quota "full" percentage</i>	Default: 98 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
emailusers_diskusage_warn_contact_admin	Notifications <i>Notify admin or reseller when disk quota reaches "warn" state</i>	Default: 0
emailusers_diskusage_warn_percent	Notifications <i>Account disk quota "warn" percentage</i>	Default: 80 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
emailusers_mailbox_critical_percent	Notifications <i>Account disk quota "critical" percentage</i>	Default: 90 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
emailusers_mailbox_full_percent	Notifications <i>Mailbox disk quota "full" percentage</i>	Default: 98 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
emailusers_mailbox_warn_percent	Notifications <i>Mailbox disk quota "warn" percentage</i>	Default: 80 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>

WHM User Documentation	Notifications Send bandwidth limit notification emails	Default: 0
emailusersbandwidthexceed70	Notifications Bandwidth usage warning: 70%	Default: 0
emailusersbandwidthexceed75	Notifications Bandwidth usage warning: 75%	Default: 0
emailusersbandwidthexceed80	Notifications Bandwidth usage warning: 80%	Default: 1
emailusersbandwidthexceed85	Notifications Bandwidth usage warning: 85%	Default: 0
emailusersbandwidthexceed90	Notifications Bandwidth usage warning: 90%	Default: 0
emailusersbandwidthexceed95	Notifications Bandwidth usage warning: 95%	Default: 0
emailusersbandwidthexceed97	Notifications Bandwidth usage warning: 97%	Default: 0
emailusersbandwidthexceed98	Notifications Bandwidth usage warning: 98%	Default: 0
emailusersbandwidthexceed99	Notifications Bandwidth usage warning: 99%	Default: 0
empty_trash_days	System Age of content to purge from users' File Manager Trash	Default: disabled
enablecompileroptimizations	System Enable optimizations for the C compiler	Default: 0
enable_piped_logs	No Tweak Settings equivalent. <div> <input type="checkbox"/> Note: To change this value, select or deselect the <i>Enable Piped Apache Logs</i> checkbox in the <i>Piped Log Configuration</i> section of WHM's Apache Configuration interface (<i>Home >> Service Configuration >> Apache Configuration</i>). </div>	Default: 0
enablefileprotect	Security Enable File Protect	Default: 1
engine	No Tweak Settings equivalent. This setting specifies the name of the cPanel binary.	Default: cpanel
enginepl	No Tweak Settings equivalent. This setting specifies the name of the cPanel .pl file.	Default: cpanel.pl
engineroot	No Tweak Settings equivalent. This setting specifies the location of the cPanel binary.	Default: /usr/local/cpanel
exim_retention_days	Stats and Logs The interval, in days, to retain Exim stats in the database	Default: 30
exim-retrytime	Mail Email delivery retry time	Default: 60
eximmailtrap	Mail Track email origin via X-Source email headers	Default: 1 <div> <input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. </div>

WHM User Documentation	Stats and Logs <i>Extra CPUs for server load</i>	Default: 0
file_upload_max_bytes	System <i>Max HTTP submission size</i>	Default: undef <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value contains unlimited. </div>
file_upload_must_leave_bytes	System <i>File upload required free space</i>	Default: 5
file_usage	Display <i>Display File Usage information in the cPanel stats bar (inode count)</i>	Default: 0
ftppasslogs	Stats and Logs <i>Include password in the raw log download link in cPanel (via FTP).</i>	Default: 0
ftpquotacheck_expire_time	System <i>Interval, in days, between rebuilds of the FTP quota and disk usage data (applies to Pure-FTPd only)</i>	Default: 30
ftpserver	No Tweak Settings equivalent. <div> <input type="checkbox"/> Note: You can select an FTP server in WHM's FTP Server Selection interface (<i>Home >> Service Configuration >> FTP Server Selection</i>). </div>	Default: pure-ftpd <div> <input type="checkbox"/> Warning: <ul style="list-style-type: none"> This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. This variable is deprecated, and we will remove it in a later version of cPanel & WHM. If you use this variable in custom code, update that code to use the rpm.versions system as soon as possible to avoid problems. For more information, read our How to Override the rpm.versions System documentation. </div>
gzip_compression_level	Compression <i>gzip compression level</i>	Default: 6
gzip_pigz_block_size	Compression <i>Number of kilobyte chunks per compression work unit</i>	Default: 4096
gzip_pigz_processes	Compression <i>Number of pigz processes</i>	Default: 1 <div> <input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. </div>
gzip_use_pigz	Compression <i>Use pigz</i>	Default: 0
htaccess_check_recurse	System <i>Depth to recurse for .htaccess checks</i>	Default: 2
ignoredepreciated	System <i>Enable legacy warnings</i>	Default: 0
invite_sub	System <i>Account Invites for Subaccounts</i>	Default: On
ionice_bandwidth_processing	System <i>I/O priority level at which bandwidth usage is processed</i>	Default: 4

WHM User Documentation	System <i>I/O priority level at which nightly backups are run</i>	Default: 3
ionice_dovecot_maintenance	System <i>I/O priority level at which dovecot_maintenance is run</i>	Default: 7
ionice_email_archive_maintenance	System <i>I/O priority level at which email_archive_maintenance is run</i>	Default: 6
ionice_ftpquotacheck	System <i>I/O priority level at which FTP quota checks are run (when Pure-FTPd is enabled)</i>	Default: 6
ionice_log_processing	System <i>I/O priority level at which stats logs are processed</i>	Default: 4
ionice_optimizefs	System <i>I/O priority level at which optimizefs is run</i>	Default: 6
ionice_quotacheck	System <i>I/O priority level at which quota checks are run</i>	Default: 6
ionice_userbackup	System <i>I/O priority level at which cPanel-generated backups are run</i>	Default: 5
ionice_userproc	System <i>I/O priority level for user-initiated processes</i>	Default: 5
ipv6_control	No Tweak Settings equivalent.	Default: 0
ipv6_listen	System <i>Listen on IPv6 Addresses</i>	Default: 0
jailapache	Security <i>EXPERIMENTAL: Jail Apache Virtual Hosts using mod_ruid2 and cPanel® jailshell.</i>	Default: 0
jaildefaultshell	System <i>Use cPanel® jailshell by default</i>	Default: 0
jailmountbinsuid	System <i>Jailed /bin mounted suid</i> <div><input type="checkbox"/> Note: This setting has no effect on servers that run CentOS, CloudLinux™, or Red Hat® Enterprise Linux 7.</div>	Default: 0
jailmountusrbinsuid	System <i>Jailed /usr/bin mounted suid</i>	Default: 0
jailprocmode	System <i>Jailed /proc mount method</i>	Default: mount_proc_jailed_fallback_full
keepftplogs	Stats and Logs <i>Keep master FTP log file</i>	Default: 0
keeplogs	Stats and Logs <i>Keep log files at the end of the month</i>	Default: 0
keepstatslog	Stats and Logs <i>Keep stats logs</i>	Default: 0
loadthreshold	Status <i>Critical load threshold</i>	Default: undef <div><input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.</div>

WHM User Documentation	<p>No <i>Tweak Settings</i> equivalent. This setting specifies your nameserver's type.</p> <div> <p>Note: You can change this value in WHM's Nameserver Selection interface (Home >> Service Configuration >> Nameserver Selection).</p> </div>	<p>Default: bind</p> <div> <p>Warning:</p> <ul style="list-style-type: none"> This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. This variable is deprecated, and we will remove it in a later version of cPanel & WHM. If you use this variable in custom code, update that code to use the rpm.versions system as soon as possible to avoid problems. For more information, read our How to Override the rpm.versions System documentation. </div>
logchmod	<p>Stats and Logs</p> <p><i>Apache log file chmod value</i></p>	Default: 640
log_successful_logins	<p>Logging</p> <p><i>Log successful logins</i></p>	Default: 0
logout_redirect_url	<p>Redirection</p> <p><i>Logout redirection URL</i></p>	Default: "" (an empty string)
mailbox_storage_format	<p>Mail</p> <p><i>The storage format for new accounts</i></p>	Default: maildir
mailserver	<p>No <i>Tweak Settings</i> equivalent.</p>	<p>Default: dovecot</p> <div> <p>Warning:</p> <ul style="list-style-type: none"> This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. This variable is deprecated, and we will remove it in a later version of cPanel & WHM. If you use this variable in custom code, update that code to use the rpm.versions system as soon as possible to avoid problems. For more information, read our How to Override the rpm.versions System documentation. </div>
maintenance_rpm_version_check	<p>Software</p> <p><i>Maintenance cPanel RPM Check</i></p>	Default: 1
maintenance_rpm_version_digest_check	<p>Software</p> <p><i>Maintenance cPanel RPM Digest Check</i></p>	Default: 1
maxcpsrvdconnections	<p>System</p> <p><i>Max cPanel/WHM/Webmail service handlers</i></p>	<p>Default: 200</p> <div> <p>Note: When your server validates the cpanel.config file, it will convert this value to the default value if you set to less than 200.</p> </div>
maxemailsperhour	<p>Mail</p> <p><i>Max hourly emails per domain</i></p>	<p>Default: undef</p> <div> <p>Note: When your server validates the cpanel.config file, it will convert this value to undef if this value evaluates to zero.</p> </div>
maxmem	<p>System</p> <p><i>Max cPanel process memory</i></p>	<p>Default: 512</p> <div> <p>Note: This value is dynamic.</p> </div>

WHM User Documentation	No <i>Tweak Settings</i> equivalent.	Default: 0
	<input type="checkbox"/> Note: You can specify the minimum strength for cPanel users' passwords in WHM's Password Strength Configuration interface (<i>Home >> Security Center >> Password Strength Configuration</i>).	<input type="checkbox"/> Note: When your server validates the cpanel.config file, it will round this value to the nearest multiple of five.
modsec_keep_hits	Stats and Logs <i>The number of days to keep records of ModSecurity™ rule hits. (Use zero to keep forever).</i>	Default: 7
mycnf_auto_adjust_maxallowedpacket	SQL <i>Allow cPanel & WHM to determine the best value for your MySQL max_allowed_packet configuration?</i>	Default: 1
mycnf_auto_adjust_openfiles_limit	SQL <i>Allow cPanel & WHM to determine the best value for your MySQL open_files_limit configuration</i>	Default: 1
mycnf_auto_adjust_innodb_buffer_pool_size	SQL <i>Allow cPanel & WHM to determine the best value for your MySQL innodb_buffer_pool_size configuration</i>	Default: 1
myname	No <i>Tweak Settings</i> equivalent.	Default: cpanelid
mysql-version	No <i>Tweak Settings</i> equivalent.	Default: 5.5
	<input type="checkbox"/> Note: You can upgrade to a new MySQL version in WHM's MySQL or MariaDB Upgrade interface (<i>Home >> Software >> MariaDB/MySQL Upgrade</i>).	<input type="checkbox"/> Warning: <ul style="list-style-type: none"> This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface. This variable is deprecated, and we will remove it in a later version of cPanel & WHM. If you use this variable in custom code, update that code to use the rpm.versions system as soon as possible to avoid problems. For more information, read our How to Override the rpm.versions System documentation.
mysql-host	No <i>Tweak Settings</i> equivalent.	Default: localhost
	<input type="checkbox"/> Note: You can specify a remote MySQL host in WHM's Remote MySQL interface (<i>Home >> Databases >> Remote MySQL</i>).	<input type="checkbox"/> Warning: This value is dynamic, and additional steps are required if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.
mysqldebug	No <i>Tweak Settings</i> equivalent.	Default: 0
nobodyspam	Mail <i>Prevent "nobody" from sending mail</i>	Default: 0
nocpbackuplogs	No <i>Tweak Settings</i> equivalent.	Default: 0
	<input type="checkbox"/> Note: You can modify this setting in WHM's Statistics Software Configuration interface (<i>Home >> Server Configuration >> Statistics Software Configuration</i>).	
nosendlangupdates	System <i>Send language file changes to cPanel.</i>	Default: 0
numacctlist	Display <i>Number of accounts per page to display in "List Accounts".</i>	Default: 30
		<input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value contains all (case insensitive).

WHM's cPanel documentation proxy subdomains	Domains <i>Overwrite custom A records used for proxy subdomains</i>	Default: 0
overwritecustomsrvrecords	Domains <i>Overwrite custom SRV records used by Outlook AutoDiscover support</i>	Default: 0
permit_appconfig_entries_without_acls	Security <i>This setting allows WHM applications and addons to execute even if an ACL list has not been defined.</i>	Default: 0
permit_appconfig_entries_without_features	Security <i>This setting allows cPanel and Webmail applications and addons to execute even if a feature list has not been defined.</i>	Default: 0
permit_unregistered_apps_as_reseller	Security <i>Allow apps that have not registered with AppConfig to be run when logged in as a reseller to WHM.</i>	Default: 0
permit_unregistered_apps_as_root	Security <i>Allow apps that have not registered with AppConfig to be run when logged in as root or a reseller with the "all" ACL in WHM.</i>	Default: 0
php_max_execution_time	PHP <i>cPanel PHP max execution time</i>	Default: 90
php_post_max_size	PHP <i>cPanel PHP max POST size</i>	Default: 55
php_upload_max_filesize	PHP <i>cPanel PHP max upload size</i>	Default: 50
phploader	PHP <i>cPanel PHP loader</i>	Default: "" (an empty string)
phpopenbasedirhome	No Tweak Settings equivalent. <div><input type="checkbox"/> Note: You can enable or disable this setting in WHM's PHP open_basedir Tweak interface (Home >> Security Center >> PHP open_basedir Tweak).</div>	Default: 0
popbeforesmtp	Mail Allow users to relay mail if they use an IP address through which someone has validated an IMAP or POP3 login within the last hour (Pop-before-SMTP)	Default: 0
popbeforesmtpsenders	Mail <i>Add X-PopBeforeSMTP header for mail sent via POP-before-SMTP</i>	Default: 0
postgresdebug	No Tweak Settings equivalent.	Default: 0
product	No Tweak Settings equivalent.	Default: cPanel
proxysubdomains	Domains <i>Proxy subdomains</i>	Default: 1 <div><input type="checkbox"/> Warning: This value is dynamic, and you must perform additional steps if you wish to update the value manually. We recommend that you modify this value through the cPanel & WHM interface.</div>
proxysubdomainsfornewaccounts	Domains <i>Proxy subdomain creation</i>	Default: 1
proxysubdomainsoverride	Domains <i>Proxy subdomain override</i>	Default: 1
publichtmlsubsonly	Domains <i>Restrict document roots to public_html</i>	Default: 0
python	No Tweak Settings equivalent.	Default: "" (an empty string)

WHM User Daemon Configuration	Security Blank <i>referrer safety</i> check	Default: 0
referrersafety	Security <i>Referrer safety</i> check	Default: 0
remotewhmtimeout	System Remote WHM timeout	Default: 35
repquota_timeout	System Disk usage/quota bailout time	Default: 60
requiressl	Security Require SSL	Default: 1
resetpass	System Reset Password for cPanel accounts	Default: 0
resetpass_sub	System Reset Password for cPanel Subaccounts	Default: 0n
root	No <i>Tweak Settings</i> equivalent. This setting specifies the location of the cPanel root installation.	Default: /usr/local/cpanel
rotatelog_size_threshold_in_megabytes	Stats and Logs Log rotation size threshold	Default: 300
roundcube_db	No <i>Tweak Settings</i> equivalent. This setting specifies which type of database the Roundcube webmail application uses.	Default: mysql
RS	No <i>Tweak Settings</i> equivalent. The system does not use this value.	Default: paper_lantern
SecurityPolicy::PasswordAge	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>Password Age</i> option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0
SecurityPolicy::PasswordStrength	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>Password Strength</i> option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0
SecurityPolicy::SourceIPCheck	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>Limit logins to verified IP addresses</i>. option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0
SecurityPolicy::TwoFactorAuth	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>Two-Factor Authentication</i> option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0

WHM User Documentation	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>DNS Cluster Requests</i> option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0
SecurityPolicy::xml-api	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>XML-API and JSON-API requests</i> option in WHM's Configure Security Policies interface (<i>Home >> Security Center >> Configure Security Policies</i>). </div>	Default: 0
send_error_reports	<p>Support</p> <p>Send error reports to cPanel for analysis</p>	Default: 1
send_server_configuration	<p>Support</p> <p>Send information about server configuration to cPanel for analysis</p>	Default: 1
send_server_usage	<p>Support</p> <p>Send information about server usage to cPanel for analysis</p>	Default: 0
server_locale	<p>System</p> <p>Server Locale</p>	Default: en
showwhmbwusageinmegs	<p>Stats and Logs</p> <p>Show bandwidth usage in megabytes by default in WHM</p>	Default: 0
signature_validation	<p>Security</p> <p>Signature validation on assets downloaded from cPanel & WHM mirrors.</p>	Default: Off
skip_chkservd_recovery_notify	<p>System</p> <p>The option to enable or disable ChkServd recovery notifications.</p>	Default: 0
skipanalog	<p>Stats Programs</p> <p>Enable Analog stats</p>	Default: 0
skipapacheclientsoptimizer	<p>No <i>Tweak Settings</i> equivalent.</p>	Default: 0
skipawstats	<p>Stats Programs</p> <p>Enable Awstats stats</p>	Default: 0
skipboxcheck	<p>Notifications</p> <p>Enable mailbox usage warnings</p>	Default: 1
skipboxtrapper	<p>Mail</p> <p>Enable BoxTrapper spam trap</p>	Default: 0
skipbwlmitcheck	<p>Notifications</p> <p>Bandwidth limit check</p>	Default: 0
skipchkservd	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>ChkServd</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipcpbandwd	<p>No <i>Tweak Settings</i> equivalent.</p>	Default: 0
skipdiskcheck	<p>Notifications</p> <p>Disk quota usage warnings</p>	Default: 0
skipdiskusage	<p>Notifications</p> <p>System disk space usage warnings</p>	Default: 0

WHM Users Documentation	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>Eximstats</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipformmail	<p>Software</p> <p>Enable FormMail-clone CGI</p> <div> <input type="checkbox"/> Warning: The CGI Center interface (<i>Home >> Software and Services >> CGI Center</i>) only exists in cPanel's deprecated x3 theme. You cannot create new CGI scripts with cPanel's current theme (<i>Paper Lantern</i>), and we strongly discourage the use of the x3 theme. </div>	Default: 1
skiphorde	<p>Mail</p> <p>Enable Horde Webmail</p> <div> <input type="checkbox"/> Note: This setting does not uninstall Horde. </div>	Default: 0
skiphttpauth	No <i>Tweak Settings</i> equivalent.	Default: 0
skiplogaholic	<p>Stats Programs</p> <p>Enable Logaholic stats</p>	Default: 1
skipjailmanager	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>JailManager</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipmailauthoptimizer	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>MailAuthOptimizer</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipmailman	<p>Mail</p> <p>Enable Mailman mailing lists</p>	Default: 0
skipmodseclog	<p>No <i>Tweak Settings</i> equivalent.</p> <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>RecentAuthedMailIpTracker</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipoomcheck	<p>Notifications</p> <p>Out of memory warnings.</p>	Default: On
skipnotifyacctbackupfailure	<p>System</p> <p>Send a notification when a user's backup has errors</p>	Default: 0
skipparentcheck	<p>System</p> <p>Allow other applications to run the cPanel and admin binaries</p>	Default: 0

WHM User Documentation Tracker	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>ModSecLog</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skiproundcube	Mail <i>Enable RoundCube webmail</i>	Default: 0
skipspamassassin	Mail <i>Enable Apache SpamAssassin™ spam filter</i>	Default: 0
skipspambox	Mail <i>Enable Apache SpamAssassin™ Spam Box delivery for messages marked as spam (user configurable).</i>	Default: 1
skipsqmail	Mail <i>Enable SquirrelMail webmail</i>	Default: 0
skiptailwatchd	No <i>Tweak Settings</i> equivalent. <div> <input type="checkbox"/> Note: This setting indicates whether you enabled the <i>tailwatchd</i> option in WHM's Service Manager interface (<i>Home >> Service Configuration >> Service Manager</i>). </div>	Default: 0
skipwebalizer	Stats Programs <i>Enable Webalizer stats</i>	Default: 0
skipwhoisns	System <i>Enable WHOIS lookups for the nameserver IP manager</i>	Default: 0
smtpmailgidonly	Mail <i>Restrict outgoing SMTP to root, exim, and mailman (FKA SMTP Tweak)</i>	Default: 0
statsloglevel	Stats and Logs <i>Stats log level</i>	Default: 1
stats_log	No <i>Tweak Settings</i> equivalent. This setting specifies the location of the stats_log file.	Default: /usr/local/cpanel/logs/stats_log
statthreshold	No <i>Tweak Settings</i> equivalent.	Default: 256 <div> <input type="checkbox"/> Note: If an account's available disk space is less than the amount that this value specifies, the system does not process statistics for the account. </div>
system_diskusage_critical_percent	Notifications <i>Account system disk usage "critical" percentage</i>	Default: 92.55
system_diskusage_warn_percent	Notifications <i>Account system disk usage "warn" percentage</i>	Default: 82.55
tcp_check_failure_threshold	System <i>ChkSrvd TCP check failure threshold</i>	Default: 3 <div> <input type="checkbox"/> Note: When your server validates the cpanel.config file, it will convert this value to undef if this value is set to 0. </div>
transfers_timeout	System <i>Number of seconds an SSH connection related to an account transfer may be inactive before timing out</i>	Default: 300

WHM Users Documentation	No <i>Tweak Settings</i> equivalent. This setting determines which items appear with a warning icon in the <i>Tweak Settings</i> interface. The warning icon indicates that you have not set the value since the last time cPanel & WHM automatically configured it. For example, if the system set a configuration to the default value due to an absent value.	No default value. <div><input type="checkbox"/> Note: The system only uses this value internally.</div>
upcp_log_retention_days	Stats and Logs <i>Number of days to retain upcp logs before purging them</i>	Default: 45
update_log_analysis_retention_length	Support <i>Update analysis retention interval</i>	Default: 90
urchinsetpath	No <i>Tweak Settings</i> equivalent. <div><input type="checkbox"/> Note: We plan to remove this setting in a future version of cPanel & WHM.</div>	Default: "" (an empty string)
use_apache_md5_for_htaccess	Security <i>Use MD5 passwords with Apache</i>	Default: 1
use_information_schema	SQL <i>Use INFORMATION_SCHEMA to acquire MySQL disk usage (MySQL 5+ required)</i>	Default: 1
use_safe_quotas	System <i>Use safe quotas</i>	Default: 0
useauthnameservers	Domains <i>Always use authoritative (registered) nameservers when creating a new DNS zone.</i>	Default: 0
usemailformailmanurl	Mail <i>Prefix "mail." onto Mailman URLs</i>	Default: 0
usemysqloldpass	SQL <i>Use pre-4.1-style MySQL® passwords</i>	Default: 0
usedirprotect	No <i>Tweak Settings</i> equivalent. <div><input type="checkbox"/> Note: You can enable or disable this setting in WHM's Apache mod_userdir Tweak interface (Home >> Security Center >> Apache mod_userdir Tweak).</div>	Default: 0
verify_3rdparty_cpaddons	Security <i>Verify signatures of 3rdparty cPaddons.</i>	Default: 0
version	No <i>Tweak Settings</i> equivalent.	Default: 3.4
VFILTERDIR	No <i>Tweak Settings</i> equivalent.	Default: /etc/vfilters

Additional documentation

- ☐ Suggested documentation
- ☐ For cPanel users
- ☐ For WHM users
- ☐ For developers

[Tweak Settings](#) — This interface allows you to configure many cPanel & WHM settings.

☐ [Server Information for cPanel](#)

- ☐ [Installation Guide - System Requirements](#)
- ☐ [Server Status](#)
- ☐ [Installation Guide - Troubleshoot Your Installation](#)
- ☐ [System Reboot](#)
- ☐ [Server Configuration](#)

- ☐ [WHM API 1 Functions - loadavg](#)
- ☐ [WHM API 1 Functions - get_remote_access_hash](#)
- ☐ [WHM API 1 Functions - accesshash](#)
- ☐ [WHM API 1 Functions - create_user_session](#)

