

The cpanel.config File

For cPanel & WHM version 58

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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:

1. The server copies the contents of the `/etc/cpanel.config` default file and saves it as the `/var/cpanel/cpanel.config` file.
2. 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*).
3. 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.
4. 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:

1. The server copies the `key=value` pair from the `cpanel.config.cache` file, if it exists.
2. 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.
3. If the key's value is dynamic, and it does not exist in the `cpanel.config.cache` file, the server calculates an appropriate value.
4. 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	<i>Tweak Settings</i> equivalent	Default and validation requirements
access_log	No <i>Tweak Settings</i> equivalent. This setting specifies the location of the cPanel Access Log , which contains general information about cPanel access requests.	Default: <code>/usr/local/cpanel/logs/access_log</code>
account_login_access	System <i>Accounts that can access a cPanel user account:</i>	Default: <code>owner_root</code> <div style="border: 1px solid red; padding: 5px;">Warning: Only set this key to one of the following values: <code>owner</code>, <code>owner_root</code>, or <code>user</code>.</div>
adminuser	No <i>Tweak Settings</i> equivalent.	Default: <code>cpanel</code>
allow_login_autocomplete	System <i>Allow autocomplete in login screens.</i>	Default: <code>1</code>
allow_server_info_status_from	System <i>Allow server-info and server-status</i>	Default: <code>undef</code>
allowcpsslinstall	System <i>Allow cPanel users to install SSL Hosts</i>	Default: <code>1</code>
allowparkhostnamedomainsubdomains	Domains <i>Allow users to park subdomains of the server's hostname.</i>	Default: <code>0</code>
allowparkonothers	Domains <i>Allow cPanel users to create subdomains across accounts</i>	Default: <code>0</code>
allowremotedomains	Domains <i>Allow Remote Domains</i>	Default: <code>0</code>
allowresellershostnamedomainsubdomains	Domains <i>Allow resellers to create accounts with subdomains of the server's hostname.</i>	Default: <code>0</code>

allowunregisterreddomains	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
autodiscover_proxy_subdomains	Domains <i>Thunderbird and Outlook autodiscover and autoconfig support (enables proxy subdomain and SRV record creation)</i>	Default: 0 <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">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 <i>Tweak Settings</i> 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	<p>No <i>Tweak Settings</i> equivalent. This value specifies the bandwidth cycle.</p> <div style="border: 1px solid #FFD700; padding: 5px;"> <p>Note: You can change this value in WHM's <i>Statistics Software Configuration</i> interface (<i>Home >> Server Configuration >> Statistics Software Configuration</i>).</p> </div>	<p>Default: 2</p> <div style="border: 1px solid #FFD700; padding: 5px;"> <p>Note: When your server validates the <code>cpanel.config</code> file, it rounds the value to the nearest quarter hour.</p> </div>
cgiemaildisabled	<p>Security</p> <p><i>CGIEmail and CGIEcho</i></p> <div style="border: 1px solid #FF0000; padding: 5px;"> <p>Warning: The <i>CGI Center</i> interface (<i>Home >> Software and Services >> CGI Center</i>) only exists for the cPanel x3 theme. You cannot create new CGI scripts with the cPanel Paper Lantern theme.</p> </div>	<p>Default: 0</p>
cgihidepass	<p>Security</p> <p><i>Hide login password from cgi scripts</i></p> <div style="border: 1px solid #FF0000; padding: 5px;"> <p>Warning: The <i>CGI Center</i> interface (<i>Home >> Software and Services >> CGI Center</i>) only exists for the cPanel x3 theme. You cannot create new CGI scripts with the cPanel Paper Lantern theme.</p> </div>	<p>Default: 0</p>
check_zone_owner	<p>Domains</p> <p><i>Check zone owner</i></p>	<p>Default: 1</p>
check_zone_syntax	<p>Domains</p> <p><i>Check zone syntax</i></p>	<p>Default: 1</p>
chkservd_check_interval	<p>System</p> <p><i>The number of seconds between ChkServd service checks.</i></p>	<p>Default: 300</p>
chkservd_hang_allowed_intervals	<p>System</p> <p><i>The number of times ChkServd allows a previous check to complete before termination.</i></p>	<p>Default: 2</p>
chkservd_plaintext_notify	<p>System</p> <p><i>The option to enable or disable ChkServd HTML notifications.</i></p>	<p>Default: 0</p>

cluster_autodisable_threshold	No <i>Tweak Settings</i> equivalent. Note: To change this value, use the <i>Failure threshold for cluster members</i> setting in WHM's <i>DNS Cluster</i> interface (<i>Home >> Clusters >> DNS Cluster</i>).	Default: 10
cluster_failure_notifications	No <i>Tweak Settings</i> equivalent. 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 <i>DNS Cluster</i> interface (<i>Home >> Clusters >> DNS Cluster</i>).	Default: 1
conserve_memory	System <i>Conserve memory</i>	Default: 0 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 <i>Cookie IP validation</i>	Default: strict Note: When your server validates the <code>cpanel.config</code> file, it will convert this value to <code>disabled</code> if it is currently 0. Otherwise, it converts this value to the default setting.
coredump	Security <i>Generate core dumps</i>	Default: 0
cpaddons_adminemail	cPAddons Site Software <i>cPAddons Site Software admin email</i>	Default: "" (an empty string)
cpaddons_autoupdate	cPAddons Site Software <i>cPAddons Site Software source automatic updates</i>	Default: 1
cpaddons_max_moderation_req_all_mod	cPAddons Site Software <i>Max cPAddons Site Software installation requests</i>	Default: 99
cpaddons_max_moderation_req_per_mod	cPAddons Site Software <i>Max cPAddons Site Software installation requests per add-on</i>	Default: 99

cpaddons_moderation_request	cPAddons Site Software <i>cPAddons Site Software moderation notification</i>	Default: 0
cpaddons_no_3rd_party	cPAddons Site Software <i>Allow cPAddons Site Software installations from non-cPanel sources</i>	Default: 0
cpaddons_no_modified_cpanel	cPAddons Site Software <i>Allow cPAddons Site Software installations from modified sources</i>	Default: 1
cpaddons_notify_owner	cPAddons Site Software <i>Notify reseller of cPAddons Site Software installations</i>	Default: 1
cpaddons_notify_root	cPAddons Site Software <i>Notify root of cPAddons Site Software installations</i>	Default: 1
cpaddons_notify_users	cPAddons Site Software <i>Notify cPanel users when they need to update their cPAddons Site Software installations</i>	Default: Allow users to choose
cpanel_locale	No Tweak Settings equivalent.	Default: undef
cpredirect	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	<p>Domains</p> <p><i>Enable SPF on domains for newly created accounts</i></p>	<p>Default: 0</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p>Note: On servers that run CentOS 7, you may see a <code>named</code> warning about the absence of SPF resource records on DNS.</p> <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 <code>bind-9.9.4-23.el7</code>, 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	<p>No <i>Tweak Settings</i> equivalent. This setting adjusts the frequency with which your server processes logs.</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p>Note: You can change this value in WHM's Statistics Schedule Configuration interface (<i>Home >> Server Configuration >> Statistics Software Configuration</i>).</p> </div>	<p>Default: 24</p> <div style="border: 1px solid #f0e68c; padding: 10px;"> <p>Note: When your server validates the <code>cpanel.config</code> file, it will round this value to the nearest quarter hour.</p> </div>
database_prefix	<p>SQL</p> <p><i>Require a username prefix on names of new databases and database users</i></p>	<p>Default: 1</p>
debughooks	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f00; padding: 10px;"> <p>Warning: This setting acts as a fallback setting for the values in the <code>/var/cpanel/debughooks</code> file, which the Standardized Hooks - Debug Mode option in the Development section of WHM's Tweak Settings interface (<i>Home >> Server Configuration >> Tweak Settings</i>) controls. For more information about the <code>debughooks</code> key, read our Guide to Standardized Hooks - Debug Mode documentation.</p> </div>	<p>Default: 0</p>

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
defaultmailaction	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 style="border: 1px solid #f0e68c; padding: 10px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is an empty string.</p> </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	<p>Mail</p> <p><i>Mail authentication via domain owner password</i></p>	<p>Default: 0</p> <div style="border: 1px solid red; padding: 5px;"> <p>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.</p> </div>
dormant_services	<p>Software</p> <p><i>Dormant services</i></p>	<p>Default: cpdavd, cphulkd, cpsrvd, dnsmadmin, spamd</p> <div style="border: 1px solid red; padding: 5px;"> <p>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.</p> </div>
dumplogs	<p>Stats and Logs</p> <p><i>Delete each domain's access logs after stats run</i></p>	<p>Default: 1</p>
email_account_quota_default_selected	<p>Mail</p> <p><i>Default quota option for new email accounts</i></p>	<p>Default: userdefined</p>
email_account_quota_userdefined_default_value	<p>Mail</p> <p><i>Default user-defined quota value for new email accounts</i></p>	<p>Default: 250</p>
email_send_limits_count_mailman	<p>Mail</p> <p><i>Count mailman deliveries towards a domain's Max hourly emails.</i></p>	<p>Default: 0</p>
email_send_limits_defer_cutoff	<p>Mail</p> <p><i>The percentage of email messages (above the account's hourly maximum) to queue and retry for delivery.</i></p>	<p>Default: 125</p>
email_send_limits_max_defer_fail_percentage	<p>Mail</p> <p><i>Maximum percentage of failed or deferred messages a domain may send per hour</i></p>	<p>Default: undef</p>
email_send_limits_min_defer_fail_to_trigger_protection	<p>Mail</p> <p><i>Number of failed or deferred messages a domain may send before protections can be triggered</i></p>	<p>Default: 5</p>
emailarchive	<p>Mail</p> <p><i>Enable Email Archiving support</i></p>	<p>Default: 0</p>
emailpasswords	<p>Security</p> <p><i>Send passwords when creating a new account</i></p>	<p>Default: 0</p>

emailusers_diskusage_critical_contact_admin	<p>Notifications</p> <p><i>Notify admin or reseller when disk quota reaches "critical" state</i></p>	<p>Default: 1</p>
emailusers_diskusage_critical_percent	<p>Notifications</p> <p><i>Account disk quota "critical" percentage</i></p>	<p>Default: 90</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
emailusers_diskusage_full_contact_admin	<p>Notifications</p> <p><i>Notify admin or reseller when disk quota reaches "full" state</i></p>	<p>Default: 1</p>
emailusers_diskusage_full_percent	<p>Notifications</p> <p><i>Account disk quota "full" percentage</i></p>	<p>Default: 98</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
emailusers_diskusage_warn_contact_admin	<p>Notifications</p> <p><i>Notify admin or reseller when disk quota reaches "warn" state</i></p>	<p>Default: 0</p>
emailusers_diskusage_warn_percent	<p>Notifications</p> <p><i>Account disk quota "warn" percentage</i></p>	<p>Default: 80</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
emailusers_mailbox_critical_percent	<p>Notifications</p> <p><i>Account disk quota "critical" percentage</i></p>	<p>Default: 90</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
emailusers_mailbox_full_percent	<p>Notifications</p> <p><i>Mailbox disk quota "full" percentage</i></p>	<p>Default: 98</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>

emailusers_mailbox_warn_percent	<p>Notifications</p> <p><i>Mailbox disk quota "warn" percentage</i></p>	<p>Default: 80</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cpanel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
emailusersbandwidthexceed	<p>Notifications</p> <p><i>Send bandwidth limit notification emails</i></p>	Default: 0
emailusersbandwidthexceed70	<p>Notifications</p> <p><i>Bandwidth usage warning: 70%</i></p>	Default: 0
emailusersbandwidthexceed75	<p>Notifications</p> <p><i>Bandwidth usage warning: 75%</i></p>	Default: 0
emailusersbandwidthexceed80	<p>Notifications</p> <p><i>Bandwidth usage warning: 80%</i></p>	Default: 1
emailusersbandwidthexceed85	<p>Notifications</p> <p><i>Bandwidth usage warning: 85%</i></p>	Default: 0
emailusersbandwidthexceed90	<p>Notifications</p> <p><i>Bandwidth usage warning: 90%</i></p>	Default: 0
emailusersbandwidthexceed95	<p>Notifications</p> <p><i>Bandwidth usage warning: 95%</i></p>	Default: 0
emailusersbandwidthexceed97	<p>Notifications</p> <p><i>Bandwidth usage warning: 97%</i></p>	Default: 0
emailusersbandwidthexceed98	<p>Notifications</p> <p><i>Bandwidth usage warning: 98%</i></p>	Default: 0
emailusersbandwidthexceed99	<p>Notifications</p> <p><i>Bandwidth usage warning: 99%</i></p>	Default: 0
enablecompileroptimizations	<p>System</p> <p><i>Enable optimizations for the C compiler</i></p>	Default: 0
enable_piped_logs	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>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 <i>Apache Configuration</i> interface (<i>Home >> Service Configuration >> Apache Configuration</i>).</p> </div>	Default: 0
engine	<p>No <i>Tweak Settings</i> equivalent.</p> <p>This setting specifies the name of the cPanel binary.</p>	Default: <code>cpanel</code>

enginepl	No <i>Tweak Settings</i> equivalent. This setting specifies the name of the cPanel .pl file.	Default: <code>cpanel.pl</code>
engineeroot	No <i>Tweak Settings</i> equivalent. This setting specifies the location of the cPanel binary.	Default: <code>/usr/local/cpanel</code>
exim_retention_days	Stats and Logs <i>The interval, in days, to retain Exim stats in the database</i>	Default: 30
exim-retrytime	Mail <i>Email delivery retry time</i>	Default: 60
eximmailtrap	Mail <i>Track email origin via X-Source email headers</i>	Default: 1 <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">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>
extracpus	Stats and Logs <i>Extra CPUs for server load</i>	Default: 0
file_upload_max_bytes	System <i>Max HTTP submission size</i>	Default: <code>undef</code> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;">Note: When your server validates the <code>cpanel.config</code> file, it will convert this value to <code>undef</code> if this value contains <code>unlimited</code>.</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 <i>Tweak Settings</i> equivalent.	Default: pure-ftpd
	<p>Note: You can select an FTP server in WHM's FTP Server Selection interface (<i>Home >> Service Configuration >> FTP Server Selection</i>).</p>	<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.
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
		<p>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.</p>
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
ionice_bandwidth_processing	System <i>I/O priority level at which bandwidth usage is processed</i>	Default: 4
ionice_cpbackup	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 style="border: 1px solid orange; padding: 5px; margin-top: 10px;">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	<p>Stats and Logs</p> <p><i>Keep log files at the end of the month</i></p>	<p>Default: 0</p>
keepstatslog	<p>Stats and Logs</p> <p><i>Keep stats logs</i></p>	<p>Default: 0</p>
loadthreshold	<p>Status</p> <p><i>Critical load threshold</i></p>	<p>Default: undef</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>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.</p> </div>
local_nameserver_type	<p>No <i>Tweak Settings</i> equivalent. This setting specifies your nameserver's type.</p> <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;"> <p>Note: You can change this value in WHM's Nameserver Selection interface (<i>Home >> Service Configuration >> Nameserver Selection</i>).</p> </div>	<p>Default: bind</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <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>	<p>Default: 640</p>
log_successful_logins	<p>Logging</p> <p><i>Log successful logins</i></p>	<p>Default: 0</p>
logout_redirect_url	<p>Redirection</p> <p><i>Logout redirection URL</i></p>	<p>Default: "" (<i>an empty string</i>)</p>
mailbox_storage_format	<p>Mail</p> <p><i>The storage format for new accounts</i></p>	<p>Default: maildir</p>

mailserver	No <i>Tweak Settings</i> equivalent.	<p>Default: dovecot</p> <div style="border: 1px solid red; padding: 5px;"> <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>
maxcpsrvdconnections	<p>System</p> <p><i>Max cPanel/WHM/Webmail service handlers</i></p>	<p>Default: 200</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> 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 style="border: 1px solid yellow; padding: 5px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will convert this value to <code>undef</code> 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 style="border: 1px solid yellow; padding: 5px;"> <p>Note: This value is dynamic.</p> </div>
minpwstrength	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>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>).</p> </div>	<p>Default: 0</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>Note: When your server validates the <code>cp</code> <code>anel.config</code> file, it will round this value to the nearest multiple of five.</p> </div>

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. <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;">Note: You can upgrade to a new MySQL version in WHM's MySQL or MariaDB Upgrade interface (Home >> Software >> MariaDB/MySQL Upgrade).</div>	Default: 5.5 <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">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>
mysql-host	No <i>Tweak Settings</i> equivalent. <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;">Note: You can specify a remote MySQL host in WHM's Remote MySQL interface (Home >> Databases >> Remote MySQL).</div>	Default: localhost <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">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>
mysqldebug	No <i>Tweak Settings</i> equivalent.	Default: 0
maintenance_rpm_version_check	Software <i>Maintenance cPanel RPM Check</i>	Default: 1
maintenance_rpm_version_digest_check	Software <i>Maintenance cPanel RPM Digest Check</i>	Default: 1
nobodyspam	Mail <i>Prevent "nobody" from sending mail</i>	Default: 0

nocpbackuplogs	<p>No Tweak Settings equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: You can modify this setting in WHM's Statistics Software Configuration interface (Home >> Server Configuration >> Statistics Software Configuration).</p> </div>	Default: 0
nosendlangupdates	<p>System</p> <p>Send language file changes to cPanel.</p>	Default: 0
numacctlist	<p>Display</p> <p>Number of accounts per page to display in "List Accounts".</p>	<p>Default: 30</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: When your server validates the <code>cp panel.config</code> file, it will convert this value to <code>undef</code> if this value contains <code>all</code> (case insensitive).</p> </div>
overwritecustomproxysubdomains	<p>Domains</p> <p>Overwrite custom A records used for proxy subdomains</p>	Default: 0
overwritecustomsrvrecords	<p>Domains</p> <p>Overwrite custom SRV records used by Outlook AutoDiscover support</p>	Default: 0
permit_appconfig_entries_without_acls	<p>Security</p> <p>This setting allows WHM applications and addons to execute even if an ACL list has not been defined.</p>	Default: 0
permit_appconfig_entries_without_features	<p>Security</p> <p>This setting allows cPanel and Webmail applications and addons to execute even if a feature list has not been defined.</p>	Default: 0
permit_unregistered_apps_as_reseller	<p>Security</p> <p>Allow apps that have not registered with AppConfig to be run when logged in as a reseller to WHM.</p>	Default: 0
permit_unregistered_apps_as_root	<p>Security</p> <p>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.</p>	Default: 0
php_max_execution_time	<p>PHP</p> <p>cPanel PHP max execution time</p>	Default: 90
php_post_max_size	<p>PHP</p> <p>cPanel PHP max POST size</p>	Default: 55
php_upload_max_filesize	<p>PHP</p> <p>cPanel PHP max upload size</p>	Default: 50
phploader	<p>PHP</p> <p>cPanel PHP loader</p>	Default: "" (an empty string)

phpopenbasedirhome	No <i>Tweak Settings</i> equivalent. <div style="border: 1px solid orange; padding: 5px;">Note: You can enable or disable this setting in WHM's <i>PHP open_basedir Tweak</i> interface (<i>Home >> Security Center >> PHP open_basedir Tweak</i>).</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 <i>Tweak Settings</i> equivalent.	Default: 0
product	No <i>Tweak Settings</i> equivalent.	Default: cPanel
proxysubdomains	Domains <i>Proxy subdomains</i>	Default: 1 <div style="border: 1px solid red; padding: 5px;">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 <i>Tweak Settings</i> equivalent.	Default: "" (an empty string)
referrerblanksafety	Security <i>Blank referrer safety check</i>	Default: 0
referrersafety	Security <i>Referrer safety check</i>	Default: 0
remotewhmtimeout	System <i>Remote WHM timeout</i>	Default: 35
repquota_timeout	System <i>Disk usage/quota bailout time</i>	Default: 60
requiressl	Security <i>Require SSL</i>	Default: 1

resetpass	System <i>Reset Password for cPanel accounts</i>	Default: 0
root	No <i>Tweak Settings</i> equivalent. This setting specifies the location of the cPanel <code>root</code> installation.	Default: <code>/usr/local/cpanel</code>
rotatelogs_size_threshold_in_megabytes	Stats and Logs <i>Log rotation size threshold</i>	Default: 300
roundcube_db	No <i>Tweak Settings</i> equivalent. This setting specifies which type of database the Roundcube webmail application uses.	Default: <code>mysql</code>
RS	No <i>Tweak Settings</i> equivalent.	Default: <code>x3</code>
send_error_reports	Support <i>Send error reports to cPanel for analysis</i>	Default: 1
send_server_configuration	Support <i>Send information about server configuration to cPanel for analysis</i>	Default: 1
send_server_usage	Support <i>Send information about server usage to cPanel for analysis</i>	Default: 0
server_locale	System <i>Server Locale</i>	Default: <code>en</code>
showwhmbwusageinmegs	Stats and Logs <i>Show bandwidth usage in megabytes by default in WHM</i>	Default: 0
skip_chkservd_recovery_notify	System <i>The option to enable or disable ChkServd recovery notifications.</i>	Default: 0
skipanalog	Stats Programs <i>Enable Analog stats</i>	Default: 0
skipantirelayd	No <i>Tweak Settings</i> equivalent. <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;">Note: To change this value, select or deselect the <i>Antirelayd</i> checkbox in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</div>	Default: 1
skipapacheclientsoptimizer	No <i>Tweak Settings</i> equivalent.	Default: 0
skipawstats	Stats Programs <i>Enable Awstats stats</i>	Default: 0
skipboxcheck	Notifications <i>Enable mailbox usage warnings</i>	Default: 1

skipboxtrapper	<p>Mail</p> <p><i>Enable BoxTrapper spam trap</i></p>	Default: 0
skipbwlimitcheck	<p>Notifications</p> <p><i>Bandwidth limit check</i></p>	Default: 0
skipchkservd	<p>No Tweak Settings equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting indicates whether you enabled the <i>ChkSrvd</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipcpbandwd	<p>No Tweak Settings equivalent.</p>	Default: 0
skipdiskcheck	<p>Notifications</p> <p><i>Disk quota usage warnings</i></p>	Default: 0
skipdiskusage	<p>Notifications</p> <p><i>System disk space usage warnings</i></p>	Default: 0
skipeximstats	<p>No Tweak Settings equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting indicates whether you enabled the <i>Eximstats</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipformmail	<p>Software</p> <p><i>Enable FormMail-clone CGI</i></p> <div style="border: 1px solid #f08080; padding: 5px; margin-top: 10px;"> <p>Warning: The <i>CGI Center</i> interface (<i>Home >> Software and Services >> CGI Center</i>) only exists for the cPanel x3 theme. You cannot create new CGI scripts with the cPanel Paper Lantern theme.</p> </div>	Default: 1
skiphorde	<p>Mail</p> <p><i>Enable Horde Webmail</i></p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting does not uninstall Horde.</p> </div>	Default: 0
skiphttpauth	<p>No Tweak Settings equivalent.</p>	Default: 0
skiplogaholic	<p>Stats Programs</p> <p><i>Enable Logaholic stats</i></p>	Default: 1

skipjailmanager	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting indicates whether you enabled the <i>JailManager</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipmailauthoptimizer	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting indicates whether you enabled the <i>MailAuthOptimizer</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipmailman	<p>Mail</p> <p><i>Enable Mailman mailing lists</i></p>	Default: 0
skipmodseclog	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting indicates whether you enabled the <i>ModSecLog</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipnotifyacctbackupfailure	<p>System</p> <p><i>Send a notification when a user's backup has errors</i></p>	Default: 0
skipparentcheck	<p>System</p> <p><i>Allow other applications to run the cPanel and admin binaries</i></p>	Default: 0
skiproundcube	<p>Mail</p> <p><i>Enable RoundCube webmail</i></p>	Default: 0
skipspamassassin	<p>Mail</p> <p><i>Enable Apache SpamAssassin™ spam filter</i></p>	Default: 0
skipspambox	<p>Mail</p> <p><i>Enable Apache SpamAssassin™ Spam Box delivery for messages marked as spam (user configurable).</i></p>	Default: 1
skipsqmail	<p>Mail</p> <p><i>Enable SquirrelMail webmail</i></p>	Default: 0

skiptailwatchd	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 10px; margin: 10px 0;"> <p>Note: This setting indicates whether you enabled the <i>tailwatchd</i> option in WHM's <i>Service Manager</i> interface (<i>Home >> Service Configuration >> Service Manager</i>).</p> </div>	Default: 0
skipwebalizer	<p>Stats Programs</p> <p><i>Enable Webalizer stats</i></p>	Default: 0
skipwhoisns	<p>System</p> <p><i>Enable WHOIS lookups for the nameserver IP manager</i></p>	Default: 0
smtpmailgidonly	<p>Mail</p> <p><i>Restrict outgoing SMTP to root, exim, and mailman (FKA SMTP Tweak)</i></p>	Default: 0
statsloglevel	<p>Stats and Logs</p> <p><i>Stats log level</i></p>	Default: 1
stats_log	<p>No <i>Tweak Settings</i> equivalent.</p> <p>This setting specifies the location of the <code>stats_log</code> file.</p>	Default: <code>/usr/local/cpanel/logs/stats_log</code>
statthreshold	<p>No <i>Tweak Settings</i> equivalent.</p>	<p>Default: 256</p> <div style="border: 1px solid #f0e68c; padding: 10px; margin: 10px 0;"> <p>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.</p> </div>
system_diskusage_critical_percent	<p>Notifications</p> <p><i>Account system disk usage "critical" percentage</i></p>	Default: 92.55
system_diskusage_warn_percent	<p>Notifications</p> <p><i>Account system disk usage "warn" percentage</i></p>	Default: 82.55
tcp_check_failure_threshold	<p>System</p> <p><i>ChkSrvd TCP check failure threshold</i></p>	<p>Default: 3</p> <div style="border: 1px solid #f0e68c; padding: 10px; margin: 10px 0;"> <p>Note: When your server validates the <code>cpanel.config</code> file, it will convert this value to <code>undef</code> if this value is set to 0.</p> </div>
transfers_timeout	<p>System</p> <p><i>Number of seconds an SSH connection related to an account transfer may be inactive before timing out</i></p>	Default: 300

tweak_unset_vars	<p>No <i>Tweak Settings</i> equivalent.</p> <p>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.</p>	<p>No default value.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: The system only uses this value internally.</p> </div>
upcp_log_retention_days	<p>Stats and Logs</p> <p><i>Number of days to retain upcp logs before purging them</i></p>	Default: 45
update_log_analysis_retention_length	<p>Support</p> <p><i>Update analysis retention interval</i></p>	Default: 90
urchinsetpath	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: We plan to remove this setting in a future version of cPanel & WHM.</p> </div>	Default: "" (an empty string)
use_apache_md5_for_htaccess	<p>Security</p> <p><i>Use MD5 passwords with Apache</i></p>	Default: 1
use_information_schema	<p>SQL</p> <p><i>Use INFORMATION_SCHEMA to acquire MySQL disk usage (MySQL 5+ required)</i></p>	Default: 1
use_safe_quotas	<p>System</p> <p><i>Use safe quotas</i></p>	Default: 0
useauthnameservers	<p>Domains</p> <p><i>Always use authoritative (registered) nameservers when creating a new DNS zone.</i></p>	Default: 0
usemailformailmanurl	<p>Mail</p> <p><i>Prefix "mail." onto Mailman URLs</i></p>	Default: 0
usemysqloldpass	<p>SQL</p> <p><i>Use pre-4.1-style MySQL® passwords</i></p>	Default: 0
userdirprotect	<p>No <i>Tweak Settings</i> equivalent.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: You can enable or disable this setting in WHM's <i>Apache mod_userdir Tweak</i> interface (<i>Home >> Security Center >> Apache mod_userdir Tweak</i>).</p> </div>	Default: 0
verify_3rdparty_cpaddons	<p>Security</p> <p><i>Verify signatures of 3rdparty cPaddons.</i></p>	Default: 0
version	No <i>Tweak Settings</i> equivalent.	Default: 3.4
VFILTERDIR	No <i>Tweak Settings</i> equivalent.	Default: /etc/vfilters