

cPanel 11.24 Release Notes

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Abstract

Please refer to the cPanel 11.24 [<http://www.cpanel.net/products/cpwhm/cpanel11/11.24.htm>] summary site.

1. Feature Updates

Account Transfer System

The Account Transfer System now exists in `/usr/local/cpanel/whostmgr/Pkgacct`. This allows customization of the entire account packaging, transfer and restoration process. To use customizations, the Allow Override box must be checked when using the WHM interface.

More documentation on this feature is found in the WHM Transfers [http://www.cpanel.net/support/docs/11/whm/transfers_overview.html] overview section of the documentation.

Boxtrapper

If the `X-Spam-Status` header is set to yes, then a verification request is no longer sent.

Chkservd

The cPanel monitoring service, `chkservd`, was implemented as a Tailwatch driver. If Tailwatch was previously disabled it must be re-enabled in order to continue monitoring core services. The Service Manager interface was converted to a template and is now language aware.

A monitor file was added for the SSHd service.

cPanel Backup

For FreeBSD systems, `/etc/rc.conf` is now included in the system backup.

Meta data about the server, such as the Mailserver in use, is now included in the account backup.

Backup downloads are now monitored by `cpuwatch` to prevent system overload.

The backup package format is now version 3. Backups made on a cPanel 11.24 server can only be restored on cPanel 11.20 and higher.

The standard `/scripts/pkgacct` script received many improvements such as: decreased memory consumption, replaced older data gathering methods with newer cPanel 11 methods and many more. As noted above, the default packaging format for `pkgacct` is now version 3.

When using incremental backups, the destination for each backup is now included in the output.

A level 2 notification is sent when the `Net::FTP` Perl module fails to load. This is only for configurations using FTP backup destinations.

Added ability to exclude specific files and directories from the home directory backup by use of `cpbackup-exclude.conf`. To use this feature, create the file in the user's home directory.

Example 1.1. Creating `cpbackup-exclude.conf`

```
# touch /home/user/cpbackup.conf
```

Each item to skip must be on its own line in the file. Directories should not have a trailing slash. Each entry must be a fully-qualified path.

Support added for auto-generating directory entries in `cpbackup-exclude.conf`. This file is generated during backup if these conditions are met:

- The `cpbackup-exclude.conf` file does not exist; and
- There are `.skip-cpbackup` files found.

Use of `cpbackup-exclude.conf` is not reliant upon the presence of `.skip-cpbackup` files.

You can now provide a path to the backup archive when using `/scripts/restorepkg`. For example

Example 1.2. restorepkg path argument

```
/scripts/restorepkg /mnt/old_disk/cpbackup/daily/user123.tar.gz
```

cPHulkd

The IP Blocked notification message now includes the IP address that was blocked.

Dovecot

Dovecot is a GPL-based IMAP and POP3 server for Linux and FreeBSD systems that offers improved performance and resource utilization. More information about Dovecot is found at the project web site <http://dovecot.org>. Dovecot can be used as a replacement for Courier.

Dovecot is now fully supported. For more information about integration with cPanel refer to the Dovecot release notes [<http://www.cpanel.net/products/cpwhm/releases/releasenotes/11.24/dovecot-1.1.pdf>].

DNS Clustering

The cPanel DNS Queueing system received several performance updates.

- Queued requests will timeout after a period of two weeks. Prior to this change, requests could remain queued until manually deleted.
- Queued Requests are retried in the same order received.
- Only one instance of `dnsqueue` is allowed at a time.
- Cluster members no longer send requests to the server that initiated an action, such as a `synch`. This relieves network and processing congestion.

Error Page Editor

The Apache Error Page editor was much improved in cPanel. This is only available to users of the X3 theme.

Email Disk Usage

The Trash folder is now excluded consistently in all the tools and methods that calculate Email Disk Usage. `/scripts/generate_maildirsize` uses the same methods as the cPanel interface in determining disk usage.

Exim

If Dovecot is installed, Exim will use the Dovecot authentication method when performing SMTP authentication.

The local and virtual delivery transports now exclude the Trash folder from quota calculations. This brings Exim in line with how Courier and Dovecot perform quota calculations.

Added detection of forged and invalid HELO requests.

Support for cPanel 11.24 features are in Exim 4.69-12 and higher

Eximstats and cPBandwd

If the MySQL service is not available, these Tailwatch drivers will log the SQL statements to an appropriate file in `/var/cpanel/sql`. This file can be imported into the databases manually once the MySQL service is available.

FTP Selection

The FTP Configuration interface was overhauled and split into two separate interfaces. FTP Configuration is now FTP Server Configuration and allows modifying several global configuration values for each of Pure and Pro FTP services. The actual install of the FTP Server is handled by the new FTP Server Selection interface. This allows specifying the specific server or disabling FTP support.

Getting Started Wizard

The Getting Started Wizard was completely replaced with a new system. This gives the wizard not only a new appearance, but also introduces new functionality. It is now possible to add IP Addresses, select the Nameserver, Mailserver and FTP Server as well as perform some configuration of cPHulkd while using the Wizard.

Jail Shell

If `/usr/local/IonCube` exists, it is mounted within the Jail Shell environment.

Log Processing

Processing of log files by the cPanel Logger received a performance boost. In general, processing logs for all users is much faster than in prior versions. Additionally the memory usage was lowered.

NSD

NSD is an authoritative-only Domain Name Service for Linux and FreeBSD systems with a focus on simplicity and high performance. Its lower resource usage makes it ideal for resource constrained environments, such as VPSs. Because NSD is authoritative only, it cannot replace BIND in all scenarios. Detailed information about NSD is available at the project website <http://www.nlnetlabs.nl/projects/nsd/>

NSD is now fully supported. For more information about integration with cPanel refer to NSD release notes [<http://www.cpanel.net/products/cpwhm/releases/releasenotes/11.24/nsd-3.1.pdf>]

PCI Compliance Settings

To assist you in reaching PCI Compliance, a number of changes were made. By default, the following services have support for weak ciphers disabled:

- IMAP
- POP3
- SMTP
- cPanel/WHM/Webmail
- Webdisk
- FTP

Support for weak ciphers can be re-enabled by using the service specific Configuration interface in WHM. There is no interface for re-enabling weak cipher support for cPanel, WHM, Webmail or Webdisk.

To configure cipher suite support in Pure-FTPd on Linux systems, the cPanel Pure-FTPd 1.0.21-7 RPM or higher is required. Since this requires a custom patch applied to the Pure-FTPd source, it is not possible at this time to configure cipher support in Pure-FTPd on FreeBSD.

A document about determining false positives from PCI audits is available at <http://www.cpanel.net/support/docs/notes/pci-falsepositives.htm>

Changes to `/scripts`

Usage information was added to `/scripts/generate_maildirs` and `/scripts/mailperms`. Running a script without arguments will display a usage message.

Backwards Incompatible Change

`/scripts/ftpup` only installs and updates the FTP Server configured using either `/scripts/setupftpsrv` or the WHM FTP Server Selection interface. In prior versions you could call `/scripts/ftpup` followed by the name of the FTP Server to install or update. This usage is no longer possible. When attempting to use `/scripts/ftpup` in such a manner a warning message is output alerting you of the change.

The core functionality of `/scripts/wwwacct` was moved to `/usr/local/cpanel/bin/wwwacct` which is a compiled binary. When used, `/scripts/wwwacct` redirects all arguments to `/usr/local/cpanel/bin/wwwacct`

The various `restartsrv` scripts now accept the `--stop` flag to stop the appropriate service.

WHM

A number of changes were made to WHM interface to bring greater consistency to the product. These changes are:

- IMAP Configuration is now Mailserver Configuration
- Nameserver Setup is now Nameserver Selection

- Apache Setup is now Apache Configuration
- Configure cPanel Log Rotation is now cPanel Log Rotation Configuration
- Additional Language Config is now Statistics Language Config
- Modify Apache Memory Usage was removed from the Security section as it already existed in Apache Configuration

The Left side menu in WHM is now fully collapsible.

The IMAP Configuration interface for Courier and Dovecot allows you to stipulate which protocols the mail server will handle, such as POP3S. If you disable all the protocols, cPanel will disable the Mail Server. To re-enable the server, you need to use the Mailserver Selection interface in WHM, or via the command line using `/scripts/setupmailserver`. When enabling the Mailserver when all protocols were previously disabled, cPanel will enable all the protocols.

Backwards Incompatible Change

To improve performance the Account Creation and List Accounts interfaces were split from the main product and now reside in separate binaries. This means the URI used to access these interfaces changed. This change is only noticeable when using automation tools that embed the URIs directly into the requests. If you use such tools, you need to change the following URIs:

- `/scripts2/wwwacctform` is now `/scripts5/wwwacctform`
- `/scripts2/listaccts` is now `/scripts4/listaccts`

Accessing the SSL ports using a non-SSL protocol now results in a redirect to the SSL protocol. Hence:

Example 1.3. HTTP Redirect

```
http://example.com:2083 redirects to https://example.com:2083
```

If the access is by means of the system IP Address, the redirect will be to the WHM hostname. The redirect is valid for ports 2083, 2087 and 2095.

The Configure Support Request Submission interface in WHM was replaced with an improved design.

The Show or Delete Current IP Addresses interface was cleaned up and improved. It is now apparent which network adapter an IP address is bound, as well as its active state.

For 64-bit systems, the minimum `maxmem` allowed is 256 MB. If your current `maxmem` setting is less than 256 MB, we recommend changing it before performing the upgrade to 11.24.

The Delete a DNS Zone interface was changed, removing the generation of checkboxes for every Zone. This improves performance and resolves an issue on systems with hundreds of Zones. On such systems, the check box generation could crash the browser. Multiple selection of Zones is still possible as the Domain list is now multi-select capable. The number of items displayed was increased to improve usability. A confirmation page was added to the process.

Increased the number of list items displayed on the Delete DNS Zone, Edit DNS Zone and Edit MX Record WHM interfaces.

XML-API

The XML-API contains several new functions and a new access mode. The new functions are:

- listips
- addip
- delip
- lookupnsip
- sethostname
- setresolvers
- adddns
- killdns
- listzones
- dumpzone
- fetchsslinfo
- generatessl
- installssl
- listcerts
- modifyacct
- myprivs

Full documentation for these functions is available in the XML-API Documentation [<http://www.cpanel.net/plugins/xmlapi/>]

Date suspended information was added to **listsuspended**.

Fast Mode is a new way to access the XML-API functionality. Using Fast Mode, a request looks like:

Example 1.4. Fast Mode Example

```
/XML-api/cpanel?user=username&cpanel_xmlapi_module=StatsBar&
cpanel_xmlapi_func=stat&cpanel_xmlapi_apiversion=2&display=addondomains
```

Note

When generating the Fast Mode request, the entire request should be submitted as a single string. For display purposes, the example may be wrapped.

This method simplifies building the request as it no longer requires XML. The server side processing of Fast Mode requests is also much faster than processing XML requests.

2. Resolved Issues

11.24.0 issues resolved in 11.24.1

- An issue introduced in 11.24.0 resulted in all domains owned by an account being marked as removed when removing a single domain, such as a parked domain. In turn this could cause a cascade of events resulting in the loss of email accounts. This issue only existed for CURRENT and EDGE builds of cPanel 11.24.0 prior to build 30944. The deficiency is resolved as of 11.24.0 build 30944. An auto fixer was released to restore the domain ownership. This auto fixer can be used by executing the following via the command line:

Example 2.1. Using Auto Fixer on command line

```
/scripts/autorepair repair_xdns_entries
```

The auto fixer is also available through the WHM interface by using the following URL:

Example 2.2. Using Auto Fixer in WHM

```
https://example.com:2087/scripts2/doautofixer?autofix=repair\_xdns\_entries
```

- Make Zone ownership default to the Reseller account when an owner is not specified.
- During account transfer using su access would cause issues with the new home directory streaming feature.
- The left pane of the WHM Multiple Account Transfer interface was not updating with transfer progress.
- Resolved issue with the copying of mailing lists by pkgacct.
- Exclude cPanel Service Auth requests from the generation of bytes logs.

11.23 and earlier issues resolved in 11.24.1

- Added fallback location of OpenSSL Directory for older versions of OpenSSL that do not provide configuration output
- The -l flag is now used for all calls to the **df** utility. This resolves various issues with remote file system mounts that are unavailable.
- Ensure the /scripts directory is created on the remote system during the Remote MySQL Server setup
- Updated ScriptAlias entries in APACHE_CONFIG to function with or without a trailing / in the URL
- Ensure quotes are properly escaped when internal data is requested via PHP
- Prevent duplicate entries in Email quota file
- Resolve issues with a Javascript statusbox not displaying promptly
- Resolved path issue that caused Dovecot and NSD packages to be downloaded to /
- Various fixes for email forwarder setup

- Ensure `Data::Dumper` is installed
- Values larger than 2047 MB are disallowed for the PHP Max Post Size Tweak setting. PHP converts the value to bytes and uses a 32-bit integer to store the value.
- Unsupported cPanel themes will no longer have a cached version created
- Update the `SSLCACertificateFile` directive in the `VirtualHost` when new CA bundle is provided
- If `chkserv.d` configuration directory does not exist when saving configuration it will be created
- Fixed Error Page editor for Safari
- Fixed a `chkservd` stalling issue when system time is highly skewed between checks
- Force full restart of Apache when modifying the User Dir Tweak settings
- No longer use Mailman aliases in `/etc/aliases` as these are unnecessary with Exim integration
- Prevent invalid domains from being written to any of the domains files in `/etc`, such as `userdomains`.
- Prevent services from being shown for restart in WHM if they are disabled
- Properly enable and disable IMAP services on FreeBSD
- Removed display of the catch all virtual host (`*`) from the Mod User Dir configuration interface
- Removed special IMAP-devel handling from `SysPkgs` for RHEL3
- Resolve `/scripts/ssl_cert_status` yielding erroneous error messages
- Resolved issue on FreeBSD where administrative URL would always be the server's hostname
- Resolved issue that prevented display of Forwarders that resemble mailing list entries
- Always restart `httpd` after installing or updating SSL Certificates
- Close handles and terminate when timeout occurs during transfer
- The cPanel Backup feature is no longer dependent upon the File Manager feature. This fixes a problem where a user has the Backup Feature, but not the File Manager feature. In such scenarios backups would not function.
- Resolved deadlock issue when suspending and unsuspending multiple accounts
- Bug 7721: Resolved issue with account restoration when accounts are packaged without their home directory
- Clean up white space in auto-generated init scripts
- Ensure `libcap` is installed when updating Dovecot on Linux
- Fix init script generation on FreeBSD to remove any existing init script without `.sh` extension
- Fixed CSR form validation to account for opting to not send CSR and Key via email
- Fixed erroneous treatment of file path variable as a boolean in `updatehorde`
- Fixed sorting issue with WHM Stats Manager display

- The status check in the NSD init script erroneously was checking the status of Exim. changed to check NSD.
- **/scripts/rebuildnamedconf** will now create named.conf if it is missing
- Improved relayhosts caching in AntiRelayd to lessen writes to `/etc/relayhosts`
- Preserve environment variables in cpanellogd that are set by runstatsatonce
- Remove bash from auto-generated init scripts
- Resolved Branding issue with saving logo coordinates to local.css file
- Resolved extremely rare race conditions with account creation and removal
- Resolved issue where directory tree in cPanel File Manager was not properly representing directories containing sub directories
- Resolved issue with IP Addresses categorized as brute force sources not being blocked for the two week period
- A logic error in cPHulkd prevented brute force IP Addresses from being blocked for the time specified in the configuration. This now works properly.
- Resolved issue with branded background image being reset after upcp
- Resolved multiple issues with the Javascript validator system
- Resolved problem where Perl modules could not be installed after prolonged network failure
- Resolved problem with Branding's setting default and apply to all accounts when logged in via WHM's branding interface
- Resolved scoping issue in cpanellogd that may have affected stats generation
- Solved problem with license system when behind some firewalls
- Skip checking for quota files on NFS, CIFS and SMB mounts. This prevents performance degradation when the remote mount is unavailable.
- Allow single digit domains to pass domain validation test
- Fixed sendmail bug in FrontPage mail that prevent sending of email
- Added urw-fonts to package ensure list
- Prevent corrupt OSDATA from preventing EasyApache from functioning
- Bug 6169 [http://bugzilla.cpanel.net/show_bug.cgi?id=6169]: Preserve the Domain Forwarding VirtualHost
- Exclude Ruby from system packages updates
- Resolved issue with end of line comments in `/etc/resolv.conf` confusing the parser
- Patched Mailman to allow Administrator to save HTML tags when using the Edit HTML function in the Mailman admin interface. A fix in Mailman 2.1.11 broke this functionality.
- Resolved a race condition that could case account creation to fail on very fast systems.

- Corrected issue that limited use of the HTML Editor to only the public_html directory and lower.
- Resolved handling of special characters in password used to configure Remote MySQL.
- Detect broken installed CPAN modules and exit.
- Display correct IP address for MySQL access in cPanel when Remote MySQL is configured.
- Do not attempt to restore the Proxy Access zones during account transfer.
- Do not process virtfs or chroot mount points when compiling list of mount points.
- Eliminated many warnings about unclean destruction of NameServer::Conf object.
- Ensure correct password is used when updating MySQL users access hosts from WHM.
- Fixed auto-resizing of text areas in the Exim Advanced Configuration editor to be more conservative.
- Implemented FreeBSD Perl library path workaround in **/scripts/realperlinstaller**.
- Implemented work around for Safari's breakage of keep-alive via HTTPS.
- Improved reporting of Apache Configuration syntax failures.
- Increased global timeout limit from 500 seconds to 10,000 seconds. This resolves large downloads, such as user backups, from timing out on slow connections.
- Only call userdel and groupdel once each during account termination.
- Prevent HTML Encoding of passwords used for account transfers.
- Prevent cPHulk blocking of 127.0.0.1.
- Prevent fixrndc from running if NSD is used since it can't do any real checks/tests.
- Prevent multiple warnings of non-existent files.
- Prevent removal of // that occur in quoted strings when parsing named.conf and supportive files.
- Remove Windows line endings when loading the feature list.
- Resolve issue that prevented Modify Account function from changing account language setting.
- Resolved issue with Email accounts being partially removed when changing the password or quota.
- Resolved issue with Filesys::Df causing crashes on FreeBSD 6 and higher.
- Resolved issue with new Rails Apps not appearing in the cPanel interface.
- Updated **/scripts/generate_maildirs** to include the account system user in calculations.

3. Added Features

Apache Configuration

An interface to select Apache logs for log rotation was added to the Apache Configuration interface.

Various directives for the global, or main, portion of `httpd.conf` can be modified using the new Global Configuration interface. The SSL cipher suite and `ServerTokens` directive are examples of what can be changed by means of this interface.

Mail Address and Forwarder Import

It is now possible to import email addresses and forwarders from a CSV file. This feature can be disabled through the use of the Feature List. It is enabled by default. The file format is determined during the import process, allowing the user to instruct the system how each column should be treated.

Setup Mailserver

A new WHM interface was added to allow the administrator to switch between Courier and Dovecot. Within this interface you can also determine whether to convert the Maildir meta files. The conversion process is executed in the background and its progress is displayed to the browser. The same functionality is available via the command line using `/scripts/setupmailserver`

Mail Directory Conversion System

Found in the Email section within WHM, this allows you to convert from the mbox mail storage format to Maildir. The conversion process is run as a background process and cannot be monitored within WHM. The same functionality is available from the command line by executing `/scripts/convert2maildir`

Setup Nameserver

This WHM interface is found within the Service Configuration section. It allows you to choose which DNS daemon to use, or to disable DNS altogether. The conversion is executed as a background process with its progress output to your browser. The conversion can also be performed at the command line by using `/scripts/setupnameserver`.

If a local IP address is set as a nameserver in `/etc/resolv.conf` installation of NSD is prevented.

FTP Server Configuration

This interface allows you to configure some of the global settings of the installed FTP Server. Found in the WHM Software Configuration section.

3rd Party Integration

A new Perl module, `/usr/local/cpanel/Cpanel/LogMeIn.pm`, provides better support for integrating a login URL in a 3rd party product, such as a billing system. See the Developer Resources [<http://www.cpanel.net/plugins/devel/index.html>] page for future documentation.

4. Application Updates

The following applications were upgraded as part of cPanel 11.24:

- PHPMyAdmin updated to 2.11.9.3
- PHPPgAdmin updated to 4.2.1