

54 Change Log

A version's change log includes entries for both the development and production releases of that version.

For example, changes in cPanel & WHM version 65 appear in the change log for version 66. This is because 65 is the development version whose changes are released in the production version 66. For more information, read our [cPanel & WHM Product Versions and the Release Process](#) documentation.



11.54.0.36

2017-01-16

- [security] Fixed case SEC-196: Fixed password used for Munin MySQL test account.
- [security] Fixed case SEC-197: Self-XSS in paper_lantern password change screen.
- [security] Fixed case SEC-199: Self-XSS in webmail Password and Security page.
- [security] Fixed case SEC-204: Exim piped filters ran as wrong user when delivering to a system user.
- [security] Fixed case SEC-205: Leech Protect did not protect certain directories.
- [security] Fixed case SEC-206: Exim transports could be run as the nobody user.
- [security] Fixed case SEC-207: Improper ACL checks in xml-api for Rearrange Account.
- [security] Fixed case SEC-209: SSL certificate generation in WHM uses an unreserved email address.
- [security] Fixed case SEC-210: Account ownership not enforced by has_mycnf_for_cpuser WHM API call.
- [security] Fixed case SEC-211: Stored XSS Vulnerability in WHM Account Suspension List interface.
- [security] Fixed case SEC-212: Format string injection vulnerability in cgiemail.
- [security] Fixed case SEC-214: Open redirect vulnerability in cgiemail.
- [security] Fixed case SEC-215: HTTP header injection vulnerability in cgiemail.
- [security] Fixed case SEC-216: Reflected XSS vulnerability in cgiemail addendum handling.

11.54.0.34

2017-01-11

- Fixed case CPANEL-7823: Fix the is_upcp_running() check in ChkServd.
- Fixed case CPANEL-10545: Update exim to 4.86.1-3.cp1154.

11.54.0.33

2016-11-21

- [security] Fixed case SEC-158: Arbitrary file overwrite when account domain is modified.
- [security] Fixed case SEC-159: Stored XSS in WHM Repair Mailbox Permissions interface.
- [security] Fixed case SEC-160: Stored XSS Vulnerability in the WHM Manage cPAddons interface.
- [security] Fixed case SEC-161: File overwrite during preparation for MySQL upgrades.
- [security] Fixed case SEC-162: Open redirect via /cgi-sys/FormMail-clone.cgi.
- [security] Fixed case SEC-164: Arbitrary file overwrites when updating Roundcube.
- [security] Fixed case SEC-165: File create and chmod via ModSecurity Audit logfile processing.
- [security] Fixed case SEC-168: Enforce feature list restrictions when calling the multilang adminbin.
- [security] Fixed case SEC-173: Arbitrary file chown via reassign_post_terminate_cruft.
- [security] Fixed case SEC-174: Stored XSS in homedir removal during WHM Account termination.
- [security] Fixed case SEC-175: Stored XSS in MySQL database names during WHM Account termination.
- [security] Fixed case SEC-176: Stored XSS in perlinstaller directory removal in WHM Account Termination.
- [security] Fixed case SEC-177: Self-XSS Vulnerability in WHM Tweak Settings for autodiscover_host.
- [security] Fixed case SEC-178: Self-Stored XSS Vulnerability in listftpstable API.
- [security] Fixed case SEC-179: Stored XSS in api1_listautoresponders.
- [security] Fixed case SEC-180: Self-XSS Vulnerability in UI_confirm API.
- [security] Fixed case SEC-180: Stored XSS Vulnerability in ftp_sessions API.
- [security] Fixed case SEC-181: Self-Stored XSS in postgres API1 listdbs.
- [security] Fixed case SEC-182: Self-Stored XSS in SSL_listkeys.

- [security] Fixed case SEC-184: Self-XSS in alias upload interface.
- [security] Fixed case SEC-185: Sensitive file contents revealed during file copy operations.
- [security] Fixed case SEC-186: Apache SSL keys readable by the nobody group.
- [security] Fixed case SEC-187: Host Access Control improperly handles action-less host.deny entries.
- [security] Fixed case SEC-188: Arbitrary code execution via Maketext in PostgreSQL adminbin.
- [security] Fixed case SEC-191: Code execution via cpsrvd 403 response handler.
- [security] Fixed case SEC-192: HTTP POST to listinput.cpanel.net does not use TLS.

11.54.0.32

2016-11-17

- Fixed case CPANEL-9827: Update cpanel-perl-514-Compress-Raw-Lzma to 2.068-2.cp1146.

11.54.0.30

2016-10-18

- Fixed case CPANEL-8673: Fix spurious error message about Mailman archive permissions.
- Fixed case CPANEL-8993: Update MySQL55 to 5.5.52-1.cp1148.

11.54.0.29

2016-09-19

- [security] Fixed case SEC-141: Code execution as other accounts via mailman list archives.
- [security] Fixed case SEC-152: Arbitrary code execution due to faulty shebang in Mail::SPF scripts.
- [security] Fixed case SEC-154: Arbitrary file read due to multipart form processing error.
- [security] Fixed case SEC-156: Stored XSS Vulnerability in WHM tail_upcp2.cgi interface.

11.54.0.28

2016-07-28

- Fixed case CPANEL-7692: Update cpanel-perl-514 to 5.14.4-8.cp1146.

11.54.0.27

2016-07-25

- Fixed case CPANEL-7633: Patch perl dual life modules for CVE-2016-1238.

11.54.0.26

2016-07-18

- [security] Fixed case SEC-130: Apache logfiles start with loose permissions.
- [security] Fixed case SEC-137: Set the pear tmp directory during php install.
- [security] Fixed case SEC-139: Improper session handling for shared users.
- [security] Fixed case SEC-142: Code execution as other user accounts through the PHP CGI handler.

11.54.0.25

2016-06-07

- Fixed case CPANEL-4350: Don't treat version file as a Perl module.
- Fixed case CPANEL-4625: Don't generate fatal when attempting to package a non-existent locale.
- Fixed case CPANEL-5694: Improve support for Amazon Linux AMI.
- Fixed case CPANEL-6346: Fix Firefox bug in transfer tool.
- Fixed case CPANEL-6397: Test Amazon package changes on RHEL compatibility version 5, not version 2015.

11.54.0.24

2016-05-16

- [security] Fixed case SEC-58: SQLite journal allowed for arbitrary file overwrite during Horde Restore.
- [security] Fixed case SEC-109: Demo account arbitrary code execution via ajax_maketext_syntax_util.pl.
- [security] Fixed case SEC-110: Self XSS Vulnerability in Paper Lantern Landing Page.
- [security] Fixed case SEC-112: Limited denial of service via /scripts/killpvhost.
- [security] Fixed case SEC-113: /scripts/addpop and /scripts/delpop exposed TTY's.
- [security] Fixed case SEC-114: /scripts/checkinfopages exposed TTY to unprivileged process.
- [security] Fixed case SEC-115: /scripts/mailedir_converter exposed TTY to unprivileged process.
- [security] Fixed case SEC-116: /scripts/unsuspendacct exposed TTY's.
- [security] Fixed case SEC-117: /scripts/enablefileprotect exposed TTY's.
- [security] Fixed case SEC-118: Self-XSS in ftp account creation under addon domains.
- [security] Fixed case SEC-119: Demo restriction breakout via show_template.stor.
- [security] Fixed case SEC-120: Arbitrary file read for Webmail accounts via Branding APIs.
- [security] Fixed case SEC-121: Webmail account arbitrary code execution through forwarders.
- [security] Fixed case SEC-122: SSL certificate not verified during license updates.
- [security] Fixed case SEC-123: SQL Injection via ModSecurity TailWatch log file.
- [security] Fixed case SEC-125: User log files become world-readable when rotated by cpanellogd.

11.54.0.23

2016-05-04

- [security] Fixed case CPANEL-5973: Update cpanel-ImageMagick to 6.9.0-4.cp1154.

11.54.0.22

2016-04-22

- Fixed case CPANEL-2330: Fixed time zone detection for CentOS 7 systems.
- Fixed case CPANEL-3251: Improve nscd recommendation message.
- Fixed case CPANEL-4304: Implement an aggressive reconnect strategy for php-fpm.
- Fixed case CPANEL-4421: Update dovecot to 2.2.23.
- Fixed case CPANEL-4439: Fixed terminal detection for manual /scripts/upcp runs.
- Fixed case CPANEL-4494: UAPI locale text is in HTML context via JSON.
- Fixed case CPANEL-4662: Ensure the CONF value in templates loads data properly.
- Fixed case CPANEL-4928: Update Git to 2.7.4.
- Fixed case CPANEL-5019: Manage MySQL Profiles: Ensure that the script output is emitted as API output.
- Implemented case CPANEL-5692: Prevent clearing the cache during dovecot-auth.

11.54.0.21

2016-03-22

- Fixed case CPANEL-5023: Fix redaemonization of cphulk when resuming from dormant mode.

11.54.0.20

2016-03-21

- [security] Fixed case SEC-31: Daemons can access their controlling TTY.
- [security] Fixed case SEC-75: scripts/addpop discloses password in process list.
- [security] Fixed case SEC-88: Self XSS Vulnerability in X3 Reseller Branding Images.
- [security] Fixed case SEC-89: MakeText interpolation allows arbitrary code execution as root.
- [security] Fixed case SEC-90: Unauthenticated arbitrary code execution via DNS NS entry poisoning.
- [security] Fixed case SEC-92: Bypass Security Policy by faking static documents.
- [security] Fixed case SEC-93: Bypass Two Factor Authentication with DNS clustering requests.
- [security] Fixed case SEC-96: Self-Stored-XSS in WHM Edit System Mail Preferences.
- [security] Fixed case SEC-97: Arbitrary code execution via unsafe @INC path.
- [security] Fixed case SEC-99: Arbitrary file read due to multipart form processing error.
- [security] Fixed case SEC-100: ACL bypass for AppConfig applications via magic_revision.
- [security] Fixed case SEC-101: Force two factor auth check when possessing another account.
- [security] Fixed case SEC-102: FTP cPHulk bypass via account name munging.
- [security] Fixed case SEC-104: Username based blocking broken for PRE requests in cPHulkd.
- [security] Fixed case SEC-105: Account suspension bypass via ftp.
- [security] Fixed case SEC-107: POP/IMAP cPHulk bypass via account name munging.
- [security] Fixed case SEC-108: Arbitrary file read when authenticating with caldav.

11.54.0.19

2016-03-08

- Fixed case CPANEL-3806: Avoid abort on error when running user-generated backups.
- Fixed case CPANEL-4151: Fixes scrolling on iOS 9.2.1 Safari for Webmail.
- Fixed case CPANEL-4395: Ensure transferring into WHM works on Mailing List page.
- Fixed case CPANEL-4549: Patch perl for CVE-2016-2381.
- Fixed case CPANEL-4597: Emit cwd=/path/to/caller to logs when exim is called from command line.

11.54.0.18

2016-03-02

- Fixed case CPANEL-4236: MultiPHP INI Editor hides asp_tags directive for PHP 7 enabled hosts.
- Fixed case CPANEL-4406: Fix spelling of "OpenSSL".
- Fixed case CPANEL-4441: Retain compatibility with old FTP quota format.
- Fixed case STS-376: Add support for keep_environment and add_environment to support exim CVE-2016-1531.

11.54.0.17

2016-02-20

- Fixed case CPANEL-3948: Ensure PATH is not empty when running adminbins.
- Fixed case CPANEL-4039: Resellers are unable to create feature lists.
- Fixed case CPANEL-4112: Add time units to email text when a server is blocked over openssl upgrade.
- Fixed case CPANEL-4186: Ensure bandwidth pages work with custom locales.

11.54.0.16

2016-02-16

- Fixed case CPANEL-4220: Restore webmail auto load functionality.
- Fixed case CPANEL-4224: Cpsrvd: Ensure Forced Password Reset properly triggers resets.
- Fixed case CPANEL-4227: Ensure allowwhmparkonothers setting is honored in API.
- Fixed case CPANEL-4238: Fix parse of OIDC user_info responses with \uXXXX sequences.
- Fixed case CPANEL-4241: Ensure that symlinks are created properly when using custom STAGING_DIR.
- Fixed case CPANEL-4262: Correct capitalization of DNS and IP in Hulk error messages.
- Fixed case CPANEL-4276: Add UAPI Session::create_temp_user call.
- Fixed case CPANEL-4277: Fix failed backups to NFS/CIFS shares.
- Fixed case CPANEL-4296: Correct error handling message for Serialized loads of JSON via file handles.
- Fixed case CPANEL-4303: Pkgacct: leave multiphp .htaccess rules in place.
- Fixed case CPANEL-4307: Only migrate to paper_lantern one time instead of every update.

11.54.0.15

2016-02-12

- Fixed case CPANEL-2885: Fixed Roundcube classic clashes with Paperlantern.
- Fixed case CPANEL-3189: Changed description and itemdesc for APIShell.
- Fixed case CPANEL-3984: Turn IPv6 handling off for mailips/mailhelo.
- Fixed case CPANEL-4140: Require NetworkManager on all C7 systems so network.online precedes multi-user.
- Fixed case CPANEL-4149: Fix x3/Calendars and Contacts.
- Fixed case CPANEL-4165: Render system backup download links in Paper Lantern.
- Fixed case CPANEL-4184: Cphulk: Handle invalid remote ip addresses as local.
- Fixed case CPANEL-4200: Increase the timeout for HttpRequest to defend against slow mirrors.
- Fixed case CPANEL-4213: Remove support for Prefer AAAA over A in exim.
- Fixed case CPANEL-4223: Revert all changes to scripts/updateuserdomains for 11.54 only.

11.54.0.14

2016-02-09

- Fixed case CPANEL-3884: Fix paper_lantern display units for MySQL and Mailing lists disk.
- Fixed case CPANEL-4060: Allow tildes and pluses in MySQL version numbers.
- Fixed case CPANEL-4081: Show File Usage on the Paper Lantern dashboard.
- Fixed case CPANEL-4116: CPHulk needs to handle the remote host being sent as 0.0.0.0.
- Fixed case CPANEL-4124: New upstream release - MySQL 5.5.48.
- Fixed case CPANEL-4131: New upstream release - MySQL 5.6.29.
- Fixed case CPANEL-4138: Webmail clients load endlessly when PHP-FPM limits are reached.
- Fixed case CPANEL-4164: Call ftpupdate only once to clear FTP caches, not once per user.
- Fixed case CPANEL-3695: CPGreylisd: Use the restartsv system for service startup.
- Fixed case CPANEL-3914: Ensure Accept-Language is honored for login templates.
- Fixed case CPANEL-3916: Fixed webmail scroll issue on mobile devices.
- Fixed case CPANEL-3972: AdminBin ftp_LISTSTORE caches not invalidated on update to 11.54.
- Fixed case CPANEL-3993: Fetchmx fails to parse IPv4 from a zone.
- Fixed case CPANEL-3998: Make sure resold, non-dedicated accounts have correct mailhelo entry.
- Fixed case CPANEL-4033: Fallback to cpwrap when the system cannot read the maildirsize file.
- Fixed case CPANEL-4042: Ignore out of context users when logging in via external auth.
- Fixed case CPANEL-4048: Auto-rebuild corrupt email_accounts.json files.
- Fixed case CPANEL-4056: Cpsrvd: Set securitycontext properly when authenticating with an accesshash key.
- Fixed case CPANEL-4077: Reseller Accounts are not able to create subdomain accounts in WHM.
- Fixed case CPANEL-4080: Roundcube intermittently errors with accept cookies.
- Fixed case CPANEL-4091: Delpop generates error about cpanel-email.
- Fixed case CPANEL-4093: Transfer Tool not Installing SSL for Some Addon Domains.
- Fixed case CPANEL-4101: API2 Email::getmxcheck always returns auto.
- Fixed case CPANEL-4113: Added media queries to scale custom logos and brand text for mobile.
- Fixed case CPANEL-4115: Check if mailman is enabled before trying to process stats.

11.54.0.12

2016-02-02

- Fixed case CPANEL-3945: Clean up entropychat chkserverd files more aggressively.
- Fixed case CPANEL-3965: Ensure mailips default entry is added to SPF records.
- Fixed case CPANEL-4000: Unable to Download Webdisk Quick Start Script for Windows.
- Fixed case CPANEL-4002: WebDisk does not detect El Capitan.
- Fixed case CPANEL-4007: Accessing WHM via cPanel using root pass transfers to root WHM.
- Fixed case CPANEL-4015: "Configure Mail Client" option in cPanel downloads a cgi script.
- Fixed case CPANEL-4029: Transfer tool analyze can timeout with a large number of database users.
- Fixed case CPANEL-3594: Prevent shared address book error when deleting email account.
- Fixed case CPANEL-3888: PHP-FPM service will not start if with some usernames.
- Fixed case CPANEL-3908: Show LTS versions properly that are version 54 and newer.
- Fixed case CPANEL-3927: Download the correct Change Log file.
- Fixed case CPANEL-3918: Allow Email Trace when the mysql feature is disabled.
- Fixed case CPANEL-3923: Paper Lantern: Prevent Default Action on Drag and Drop.
- Fixed case CPANEL-3928: Make kernel comparisons work with unequal numbers of components.

- Fixed case CPANEL-3929: Fix missing file for x3mail.
- Fixed case CPANEL-3949: Raise number of open files for php-fpm.
- Fixed case CPANEL-3954: OpenID logins need to handle legacy root cpanel users files.
- Fixed case CPANEL-3974: Hide external auth in Email Accounts when all providers are disabled.
- Fixed case CPANEL-3976: Ensure the lastlogin file is updated for 54 paper lantern.
- Fixed case CPANEL-3979: Paper Lantern: Make Drag and Drop work in Internet Explorer.
- Fixed case CPANEL-3992: Jailshell setup can generate cron email due to race condition in setup.
- Fixed case CPANEL-4003: Stale cpanel user owner line makes x3 to paper_lantern conversion fail.
- Fixed case CPANEL-4004: Only update the last login if a username is provided.

11.54.0.8

2016-01-27

- Fixed case CPANEL-3872: Disable monitoring of removed entropychat on upgrade.
- Fixed case CPANEL-3881: cPHulk: Repair bad configuration values which block WHM logins.
- Fixed case CPANEL-3842: Fix misspelling of "compatibility" in Pure-FTPd config.
- Fixed case CPANEL-3870: 2FA: Fix documentation link in paper_lantern interface.

11.54.0.7

2016-01-25

- Fixed case CPANEL-3844: Avoid switching accounts with custom root default branding to paper lantern.
- Fixed case CPANEL-3846: Update servers need to be skipped on SHA mismatch.
- Fixed case CPANEL-3828: FPM cannot be used for phppgadmin when bindp is needed.
- Fixed case CPANEL-3843: X3 Greylisting: Ensure that the service status is detected properly.
- Fixed case CPANEL-3640: Gather-update-logs: fix sending existing tarballs.

11.54.0.6

2016-01-24

- Fixed case CPANEL-3425: Jailshell: Mount additional ca-certificates path on Centos 7 systems.
- Fixed case CPANEL-3807: Mailperm: fix permissions of unreadable files.
- Fixed case CPANEL-3840: Adjust PHP-FPM to work for roundcube with existing horde changes.

11.54.0.5

2016-01-22

- Fixed case CPANEL-3335: Fix Horde mbox export.
- Fixed case CPANEL-3618: Demo mode triggers in error in cpsrvd.
- Fixed case CPANEL-3621: Update WHMCS ODIC Docs URL.
- Fixed case CPANEL-3626: Do not add domains into mailhelo or mailips using the shared addresses.
- Fixed case CPANEL-3632: Don't die when a yum python script exits uncleanly.
- Fixed case CPANEL-3634: Added retries to Cpanel::Update::get_remote_tiers_info.
- Fixed case CPANEL-3665: PHP-FPM for cpsrvd needs to set session values as admin values.
- Fixed case CPANEL-3666: Improve handling of invalid http headers.
- Fixed case CPANEL-3691: Use cPanel perl when adding default cPanel users during install.
- Fixed case CPANEL-3692: Fix MySQL version parser for Percona server versions.
- Fixed case CPANEL-3708: Remove starting newline from scripts/ssl_migration.
- Fixed case CPANEL-3721: Jailfs now supports EasyApache 4 MultiPHP.
- Fixed case CPANEL-3739: DAV: fix download of files 16 KiB in size.
- Fixed case CPANEL-3750: Handle the mysql pid file changing locations between restarts.
- Fixed case CPANEL-3755: Increase openid connect timeout to avoid random failures.
- Fixed case CPANEL-3757: Increase HttpRequest default timeout to 180s.
- Fixed case CPANEL-3759: Ignore "/" as a given goto_uri for an AJAX login.
- Fixed case CPANEL-3769: Add missing library to scripts/suphpup.
- Fixed case CPANEL-3772: Created Cpanel::PublicAPI as a wrapper for cPanel::PublicAPI.
- Fixed case CPANEL-3774: Restore previous behavior in Cpanel::SocketIP for DNS clustering.

- Fixed case CPANEL-3785: User Manager: Fix handling of dismissed service accounts.

11.54.0.4

2016-01-18

- [security] Fixed case SEC-46: Arbitrary code execution via unsafe @INC path.
- [security] Fixed case SEC-70: Arbitrary file read via bin/fmq script.
- [security] Fixed case SEC-71: SQL injection vulnerability in bin/horde_update_usernames.
- [security] Fixed case SEC-72: Arbitrary code execution vulnerability during locale duplication.
- [security] Fixed case SEC-73: Password hashes revealed by bin/mkvhostspasswd script.
- [security] Fixed case SEC-74: Limited arbitrary file read in bin/setup_global_spam_filter.pl
- [security] Fixed case SEC-76: Code execution as shared users via JSON-API.
- [security] Fixed case SEC-77: Password hash revealed by chcpass script.
- [security] Fixed case SEC-78: Arbitrary file overwrite in scripts/check_system_storable.
- [security] Fixed case SEC-79: Arbitrary file chown/chmod during Roundcube database conversions.
- [security] Fixed case SEC-80: Arbitrary file read and write via scripts/fixmailboxpath.
- [security] Fixed case SEC-81: Arbitrary file overwrite in scripts/quotacheck.
- [security] Fixed case SEC-82: Limited arbitrary file chmod in scripts/secureit.
- [security] Fixed case SEC-83: Arbitrary code execution via scripts/synccpaddonswithsqlhost.
- [security] Fixed case SEC-84: Self-XSS in WHM PHP Configuration editor interface.
- [security] Fixed case SEC-85: Missing ACL enforcement in AppConfig subsystem.
- [security] Fixed case SEC-86: Stored XSS in WHM Feature Manager interface.
- [security] Fixed case SEC-87: Self-XSS in X3 Entropy Banner interface.
- [security] Fixed case SEC-91: Unauthenticated arbitrary code execution via cpsrvd.

11.54.0.1

2016-01-09

- Fixed case CPANEL-3496: Security Questions error when logged in as reseller with root privs.
- Fixed case CPANEL-3518: Cpmove files in / cannot be restored with restorepkg.
- Fixed case CPANEL-3541: Cpanel::HttpRequest does not handle all http errors.
- Fixed case CPANEL-3558: Print debug information on RPM hash mismatch.
- Fixed case CPANEL-3581: Retry downloading RPMs when there is a digest mismatch.
- Fixed case CPANEL-3593: Print IP address when sync fails due to bad digest.
- Fixed case CPANEL-3545: Ext Auth must show webmail providers for email accounts if disabled for cpanel.
- Fixed case CPANEL-3547: Do not block upgrades for Amazon Linux.
- Fixed case CPANEL-3551: Dynamicui Loader validation is too strict for third party plugins.
- Fixed case CPANEL-3555: Failure to update bandwidth during account changes results in partial changes.
- Fixed case CPANEL-3561: Allow .htm files in webmail.
- Fixed case CPANEL-3570: CustomEventHandler cannot load non-cPanel modules.
- Fixed case CPANEL-3571: Cpsrvd sends status 307 when it should send status 302.
- Fixed case CPANEL-3585: Handle a user named global in php-fpm config.
- Fixed case CPANEL-3591: Address javascript error in EA4 WHM UI.
- Fixed case CPANEL-3596: Hide the Two-Factor Authentication options in WHM by default.
- Fixed case CPANEL-3609: Glob ea-* packages correctly.

11.54.0.0

2016-01-04

- Fixed case CPANEL-3287: PHP DSO handler packages are removed if EA4 Apache is using a threaded MPM.
- Fixed case CPANEL-3300: Domains won't be shown suspended when searched.
- Fixed case CPANEL-3336: Add PHP7 support to the Cpanel::ProgLang interface.
- Fixed case CPANEL-3337: The EA4 MultiPHP 'none' handler now updates a domain's .htaccess file.
- Fixed case CPANEL-3418: ModSecurity settings are now migrated when moving from EA3 to EA4.
- Fixed case CPANEL-3418: Fix existing locale phrases in the EA3 to EA4 migration script.
- Fixed case CPANEL-3418: EasyApache 4 now sends notification during ModSecurity 2 migration.
- Fixed case CPANEL-3418: EA3 to EA4 migrate script updated for easier development.
- Fixed case CPANEL-3439: Use the CentOS YUM repos for Amazon Linux when installing mariadb.
- Fixed case CPANEL-3440: Ensure Content-Length is sent for empty files.
- Fixed case CPANEL-3458: MySQL/MariaDB cannot be upgraded if it is broken or missing.

- Fixed case CPANEL-3488: Update copyright on security policy pages.
- Fixed case CPANEL-3489: Change ERR->XID for exception message IDs.
- Fixed case CPANEL-3490: Always prefer the email as the human readable username when linking openid.
- Fixed case CPANEL-3492: If OIDC logins fail due to an invalid token reattempts result in a loop.
- Fixed case CPANEL-3495: MySQL/MariaDB upgrades fail if mysqld and the version cache are both missing.
- Fixed case CPANEL-3502: User Manager: Populate email quota field on edit.
- Implemented case CPANEL-3411: Promoted EA4 from Tech Preview to Beta phase.
- Fixed case CPANEL-2844: Allow API shell for logins with create_user_session.
- Fixed case CPANEL-3095: Suppress spurious unmonitored notification for cpanel_php_fpm.
- Fixed case CPANEL-3119: Update Dovecot to 2.2.21 from upstream sources.
- Fixed case CPANEL-3120: Fix bugs related to editing webdisk digest auth using User Manager.
- Fixed case CPANEL-3127: Make root bandwidth DB loads more fail-safe.
- Fixed case CPANEL-3166: Allow WHM users to create subdomains across accounts when enabled.
- Fixed case CPANEL-3188: Ensure kmod can be updated on CentOS 7.
- Fixed case CPANEL-3197: Paper Lantern: Fix JS errors on the Module Installers page.
- Fixed case CPANEL-3240: Paper Lantern: Fix JS errors on Address Importer Step 4 page.
- Fixed case CPANEL-3242: Paper Lantern: Fix JS errors on Virus Scanner dodisinfected page.
- Fixed case CPANEL-3244: Fix DB prefixing for DB user in Paper Lantern's MySQL wizard.
- Fixed case CPANEL-3248: Make Password & Security external authn link login again.
- Fixed case CPANEL-3257: Fix Horde contact restoration coming from Plesk backups.
- Fixed case CPANEL-3258: Fixed Feature Search for WHM in Paper lantern.
- Fixed case CPANEL-3260: SECURITY: Accommodate default /u/l/c perms in UAPI Batch.
- Fixed case CPANEL-3265: Fix MariaDB/MySQL version fetching when the server is not running.
- Fixed case CPANEL-3276: Session password shielding is not sufficiently random.
- Fixed case CPANEL-3278: SECURITY: Plug an arbitrary file-read hole via PHP-FPM logs.
- Fixed case CPANEL-3290: Assure cpsrvd does license checks even if it's never idle.
- Fixed case CPANEL-3294: Update icons for cPanel Retro style.
- Fixed case CPANEL-3295: Send linked acctg to passwd & sec page if started there.
- Fixed case CPANEL-3297: Remove replaced links from user.db files.
- Fixed case CPANEL-3299: If an EA3 system has any php selected when migrating give all versions of php.
- Fixed case CPANEL-3306: Do not try to show postgres statistics if postgres is not installed.
- Fixed case CPANEL-3310: Restrict display of external auth links to accounts the user can modify.
- Fixed case CPANEL-3313: Correct icon for two-factor authentication in cPanel retro style.
- Fixed case CPANEL-3314: User Manager: Mark required fields with asterisk.
- Fixed case CPANEL-3320: Remove "Calculated sha for" lines from updatenow output.
- Fixed case CPANEL-3330: DnsRoots resolvableserver behavior restored to 11.52 behavior.
- Fixed case CPANEL-3331: Evaluate all loaded security policies for violations in a single pass.
- Fixed case CPANEL-3339: User Manager: Hide hypothetical user after deleting candidates.
- Fixed case CPANEL-3344: Paper Lantern: Use whole numbers for quotas on the editquota page.
- Fixed case CPANEL-3344: X3: Use whole numbers for quotas on the editquota page.
- Fixed case CPANEL-3348: Install_libc_loginprofile hangs if mirrorsearch hits a bad cpan mirror.
- Fixed case CPANEL-3353: Optimize Template-Toolkit when there are a large amount of template includes.
- Fixed case CPANEL-3359: User Manager: Disable cache, and fix ProFTPD-related warning.
- Fixed case CPANEL-3361: Dest_uri, redirect_uri, & goto_uri renamed goto_uri.
- Fixed case CPANEL-3362: Fix missing external auth icons in WHM.
- Fixed case CPANEL-3365: Remove external auth from legacy noJS email password change screen.
- Fixed case CPANEL-3369: Fix MagicRevision in securitypolicy.
- Fixed case CPANEL-3378: Restore Manage External Auth to x3 webmail.
- Fixed case CPANEL-3392: Paper lantern sprite generation must happen on deployment.
- Fixed case CPANEL-3393: Tailwatch can never restart mysql if it was started with a bad TMPDIR.
- Fixed case CPANEL-3395: Allow account linking to continue if the incorrect password is entered.
- Fixed case CPANEL-3396: Remove useless triggerpostun from XML::SAX family of perl 5.14 modules.
- Fixed case CPANEL-3401: Trial license triggers fatal error in WHM after completion of GSW.
- Fixed case CPANEL-3427: Listaccts locks cpanel.config once per account after 2FA.
- Fixed case CPANEL-3436: Ensure cpsrvd releases the cork before closing the connection.
- Fixed case CPANEL-3437: Live cPanel pages need to send headers before processing.
- Fixed case CPANEL-3363: Present error when using an external account linked to a webmail user for cpanel.
- Fixed case CPANEL-3374: Transfer tool loops forever on exception during new in a transfer item.
- Fixed case CPANEL-1524: Prevent spurious warning about "cannot update cache".
- Fixed case CPANEL-2981: Minor UI changes and bug fixes to EA4 interface.
- Fixed case CPANEL-3068: Improve MultiPHP invalid domain name handling.
- Fixed case CPANEL-3072: Added full URL to display config links to fix OIDC in proxy subdomains.
- Fixed case CPANEL-3074: Remove Gzip page compression Tweak Setting as it is now auto discovered.
- Fixed case CPANEL-3092: Ensure NSCD logging is disabled.
- Fixed case CPANEL-3102: Fix icon locale text - added new way to get locale obj.
- Fixed case CPANEL-3115: Fix incorrect values for MINIMUM and REFRESH TTLS in the SOA.
- Fixed case CPANEL-3117: Fix broken retro icons that cause inconsistent sprite map generation.
- Fixed case CPANEL-3122: Improve logging when committing sync v2 fails.
- Fixed case CPANEL-3125: Fix relative urls on paper lantern landing page.
- Fixed case CPANEL-3126: Avoid to remove cpanelsync.nodecompress during updates.
- Fixed case CPANEL-3128: User Manager: Prevent bad password hash from being stored by AdminBin.
- Fixed case CPANEL-3134: Suppress spurious used only once warnings in cPanel installer.

- Fixed case CPANEL-3140: Switch paper lantern home icon to match name and avoid duplication.
- Fixed case CPANEL-3153: Made Cpanel::Mysql::DiskUsage ensure the path to the file.
- Fixed case CPANEL-3156: Fixed issue with inpage warning styles from API.
- Fixed case CPANEL-3158: Terminate an Account does not always remove MySQL databases.
- Fixed case CPANEL-3160: SECURITY: Add authz for Cpanel::Mysql::listprivs.
- Fixed case CPANEL-3161: Log from pl_update_users script should use quant.
- Fixed case CPANEL-3163: Fix invalid error message when adding a package with invalid characters.
- Fixed case CPANEL-3168: Improve failure mode behaviours of Cpanel::IP::Convert.
- Fixed case CPANEL-3170: Fix xml-api acl name for openid configuration.
- Fixed case CPANEL-3176: Executing the /bin/ip program needs absolute path specified when called from whostmgr binaries.
- Fixed case CPANEL-3177: Update_neighbor_netblocks hangs forever with a large number of ips.
- Fixed case CPANEL-3179: Ensure root can always xfer to accounts they own.
- Fixed case CPANEL-3181: CPHulk: Do not count good login as hits.
- Fixed case CPANEL-3182: Fixed issue with WebMail templates on Horde Resize.
- Fixed case CPANEL-3187: Update cPanel disabled icon in WHM to match new style.
- Fixed case CPANEL-3196: Fixed quota setting on account creation.
- Fixed case CPANEL-3203: Remove calls to nonexistent functions.
- Fixed case CPANEL-3210: User Manager: Create subaccount storage with correct file mode.
- Fixed case CPANEL-3211: Clean temporary sprite files from bin/sprite_generator.
- Fixed case CPANEL-3214: Reset environment for each batched UAPI call.
- Fixed case CPANEL-3223: Generate sprite images consistently.
- Fixed case CPANEL-3227: Fix link to Tweak Settings from List Accounts.
- Implemented case CPANEL-3222: Skip authn links if they're missing on account rename.
- Fixed case CPANEL-2322: Prevent building locale js on build servers.
- Fixed case CPANEL-3006: New upstream release Git 2.6.4-1.cp1154.
- Fixed case CPANEL-3018: User Manager: Miscellaneous bug fixes.
- Fixed case CPANEL-3053: Cpanelsync should not fail when not downloading files.
- Fixed case CPANEL-3054: Allow total, unconditional suppression of fast_update usage.
- Fixed case CPANEL-3063: Fix group indexing in sea of icons.
- Fixed case CPANEL-3073: Ensure locale JS files are put in the proper cpanelsync source.
- Fixed case CPANEL-3096: Do not die when a cpanelsync staged file commit fails to move into place.
- Fixed case CPANEL-3101: Do not produce compressed js/css files for cpsrvd during build.
- Fixed case CPANEL-3105: Change Features in sidebar back to Home.
- Fixed case CPANEL-3116: Adjusted CSS for pagination input width and button placement.
- Fixed case CPANEL-3118: Fail builds if theme cpanelsync targets exist in the cpanel cpanelsync tree.
- Fixed case CPANEL-772: Add error reporting and race lock workaround to js locale build.
- Fixed case CPANEL-901: Fixed isdedicatedip() results when performing set_reseller_mainip().
- Fixed case CPANEL-1572: Generate DKIM headers if sender address has capitals.
- Fixed case CPANEL-1730: Gather-update-logs: avoid stating many files unnecessarily.
- Fixed case CPANEL-2037: Maildir Migrations: Handle unknown subscription prefixes properly.
- Fixed case CPANEL-2124: Fixed alignment of columns on Paper Lantern Email Accounts.
- Fixed case CPANEL-2187: Preserve UI functionality in Paper Lantern when over quota.
- Fixed case CPANEL-2232: X3 Statsbar: Raise AJAX timeout to 15 seconds.
- Fixed case CPANEL-2276: Fixed issue with feature lists containing special characters.
- Fixed case CPANEL-2359: Include the php-fpm error log in the restartsv output on failure.
- Fixed case CPANEL-2402: Allow system accounts with reseller privileges to login to WHM.
- Fixed case CPANEL-2497: CPHulk: Do username-based protection when IP-based is off.
- Fixed case CPANEL-2571: PostgresAdmin warns when the user has no databases.
- Fixed case CPANEL-2581: Suppressed log noise from NSCD by sending it to /dev/null.
- Fixed case CPANEL-2598: Set Hostname: Remove lock when an invalid hostname is specified.
- Fixed case CPANEL-2705: Allow the login page to function when an OIDC provider is broken.
- Fixed case CPANEL-2711: Ensure mailips and mailhelo files are built on conf change.
- Fixed case CPANEL-2749: Ensure SMTP restrictions can be enabled in non-English locales.
- Fixed case CPANEL-2767: Pkgacct leaves packaging dir behind.
- Fixed case CPANEL-2795: Ensure apitool has the proper dependencies loaded.
- Fixed case CPANEL-2795: Allow use of enable_monitor_all_enabled_services API call on DNSONLY.
- Fixed case CPANEL-2820: Remove redundant rpm_locations entries from etc/rpm.versions.
- Fixed case CPANEL-2820: Remove all obsolete rpms which were obsolete in 11.52.
- Fixed case CPANEL-2820: Add lowest_cpanel_version_supported to url_templates. Simplifies rpm.versions.
- Fixed case CPANEL-2838: Gather-update-logs: fix version check for new version numbers.
- Fixed case CPANEL-2838: Gather-update-logs: fix warnings in test script.
- Fixed case CPANEL-2838: Gather-update-logs: correctly detect when services are down.
- Fixed case CPANEL-2838: Gather-update-logs: check up-to-date list of binaries.
- Fixed case CPANEL-2842: Fix splitlogs when using wildcard domains.
- Fixed case CPANEL-2847: Many changes to EA4 UI and bug fixes.
- Fixed case CPANEL-2848: Teach cpsrvd to look for index.html.tt in addition to index.html.
- Fixed case CPANEL-2856: Add localips to recently auth mail ips ignore list.
- Fixed case CPANEL-2857: Update cpanel-perl-514-Mail-SpamAssassin to 3.004001-3.cp1146.
- Fixed case CPANEL-2860: Fix typo in Exim configuration help text.
- Fixed case CPANEL-2870: Add 'oauth' and 'oidc' to command2 search.
- Fixed case CPANEL-2871: FTP Accounts: Use whole numbers for quotas.
- Fixed case CPANEL-2873: Scroll bars are mismatched sizes in webkit browsers in the Transfer Tool.

- Fixed case CPANEL-2874: Exim logs a spurious maildirsizefile warning when reading the file manually.
- Fixed case CPANEL-2882: Suppress spurious warning from cpsrvd when the user password cache is not built.
- Fixed case CPANEL-2883: Set_hostname: exit 0 on success.
- Fixed case CPANEL-2886: Prevent API1 calls from writing directly to the socket.
- Fixed case CPANEL-2893: Fix dead upcp-log tailer in WHM UI.
- Fixed case CPANEL-2896: Assure scripts/redhat5_pathools_fixer only operates against /usr/bin/perl.
- Fixed case CPANEL-2898: Avoid calls of CGI::param in array context.
- Fixed case CPANEL-2913: Remove code to disable EntropyChat.
- Fixed case CPANEL-2922: Suspended email users should invalidate their current sessions.
- Fixed case CPANEL-2925: Fix UAPI Ftp::list_ftp_with_disk to show anonymous quota.
- Fixed case CPANEL-2932: Altered color in svg logos to match the brand guidelines.
- Fixed case CPANEL-2936: Resolve forward merge conflict with cPanel Post Install.
- Fixed case CPANEL-2938: New upstream release MySQL 5.5.47-1.cp1148.
- Fixed case CPANEL-2950: Pkgacct: provide error message when missing user.
- Fixed case CPANEL-2953: Update Geo::IPfree data files.
- Fixed case CPANEL-2961: New upstream release MySQL 5.6.28-1.cp1148.
- Fixed case CPANEL-2968: Paper Lantern: Display unlimited quotas for FTP accounts properly.
- Fixed case CPANEL-2969: Fix URI munging in dodoc_webmail() in cpsrvd.
- Fixed case CPANEL-2983: Modify OpenSSL Blocker to deal with other languages.
- Fixed case CPANEL-2990: Adjusted wrap min-height calculation to fix unnecessary scroll.
- Fixed case CPANEL-2995: Race condition prevents some JS locales from being built (rot).
- Fixed case CPANEL-2996: Paper Lantern Webmail: Embed CSS files from css2-min correctly.
- Fixed case CPANEL-2999: Revert to CSS background for ext auth provider logos.
- Fixed case CPANEL-3003: Fix dovecot RPM to require Unix::Sysexits before install.
- Fixed case CPANEL-3009: Setupmailserver: don't try to look up Courier certs.
- Fixed case CPANEL-3013: Fix multi-user select on WHM's Assign IPv6 page.
- Fixed case CPANEL-3014: Repair IPv6 Javascript validators.
- Fixed case CPANEL-3023: Hide the cPHulk Feature Showcase item if cPHulk is disabled on the server.
- Fixed case CPANEL-3025: /etc/cpanel/ea4/php.conf can be updated when PHP isn't installed.
- Fixed case EA-3931: Added Opcache to EA3 -> EA4 Mapping.
- Implemented case CPANEL-2645: Audit UTF8 roundtrip when using JSON::XS.
- Implemented case CPANEL-2722: NVData cache is never regenerated if corrupt.
- Implemented case CPANEL-2726: Show external auth link errors to user.
- Implemented case CPANEL-2739: CPHulk Config: Use default values for empty keys.
- Implemented case CPANEL-2739: CPHulk: Allow Username-based Protection against local IPs only.
- Implemented case CPANEL-2739: CPHulk: Showcase local IP Username-based Protection.
- Implemented case CPANEL-2746: Implement SRS support for the Basic Exim Config editor.
- Implemented case CPANEL-2773: Block CentOS 6 from upgrading to 11.54 if OpenSSL does not support TLSv1.2.
- Implemented case CPANEL-2791: Suspend incoming mail for email account, plus batch UAPI.
- Implemented case CPANEL-2823: User Manager Project - Release 3.
- Implemented case CPANEL-2839: Enable IPv6 listen on named when shared IPv6 is configured.
- Implemented case CPANEL-2840: Implemented HTML5 drag and drop behavior in angular app list.
- Implemented case CPANEL-2841: IPv6 validation and expansion refactoring.
- Implemented case CPANEL-2846: Resolver configuration supports IPv6 and multiple IPv6 account selection.
- Implemented case CPANEL-2849: Set cPanel and external authn provider logos to SVG.
- Implemented case CPANEL-2850: Use AJAX call for getting notifications count.
- Implemented case CPANEL-2878: Frontend/THEME without a slash is a redirect loop.
- Implemented case CPANEL-2889: Improve logging of Security Policy violations.
- Implemented case CPANEL-2889: 2FA: Issuer field should not ignore leading/trailing white-space.
- Implemented case CPANEL-2890: Open ID Login support for webmail and WHM.
- Implemented case CPANEL-2892: EA4 PHP Handler and MultiPHP Refactor.
- Implemented case CPANEL-2894: Update localized strings for User Manager.
- Implemented case CPANEL-2915: Allow cPanel users to unlink their webmail users OIDC links.
- Implemented case CPANEL-2916: Harvested Phrases for COBRA-1578.
- Implemented case CPANEL-2917: Block OIDC logins when an email user is suspended.
- Implemented case CPANEL-2919: Added a min-height to prevent link box from overlapping icon.
- Implemented case CPANEL-2924: Added authn link renaming on changeusername and change domain.
- Implemented case CPANEL-2927: Resolve conflict with icon_type in the Manage External Auth for email.
- Implemented case CPANEL-2934: External Auth for mail css not published.
- Implemented case CPANEL-2952: Made the php-fpm start/restart failures show the log file path.
- Implemented case CPANEL-2963: MultiPHP Refactor: Clarify/Consistify names.
- Implemented case CPANEL-2966: Harvest MutliPHP refactor.
- Fixed case CPANEL-1164: Fixed ProFTPD settings for passive ftp being updated.
- Fixed case CPANEL-1475: Avoid trying to restart tailwatchd in fresh installations.
- Fixed case CPANEL-1497: Fix Japanese mistranslation in Aliases page.
- Fixed case CPANEL-1681: Fix restoration of mailing lists with characters between 128 and 255.
- Fixed case CPANEL-1788: Don't flag new options as invalid in Basic Setup.
- Fixed case CPANEL-1798: Disable EntropyChat upon installation.
- Fixed case CPANEL-1800: Clean up IPv6 addresses on account removal.
- Fixed case CPANEL-1900: Restore contact email for transferred accounts.
- Fixed case CPANEL-1909: Fix issue with vertical scrollbar not going away in Webmail.
- Fixed case CPANEL-2027: Manage MySQL Profiles: Fixed validation on the Add Profile page.

- Fixed case CPANEL-2185: Fixed the JS/CSS 404 bugs on the Auto Responders page.
- Fixed case CPANEL-2282: Paper Lantern: Fix 404 errors on the Track Delivery page.
- Fixed case CPANEL-2360: Don't enable nscd by default if there are multiple UID 0 users.
- Fixed case CPANEL-2362: Convert MAX_EMAIL_QUOTA and DEFAULT_EMAIL_QUOTA constants to numbers.
- Fixed case CPANEL-2395: Fixed bug with removing users from databases in paper lantern.
- Fixed case CPANEL-2430: Paper Lantern: Fix 404 errors on the Mail Archive page.
- Fixed case CPANEL-2487: WHM: Terminate Account should not leave progress dialogs open upon completion.
- Fixed case CPANEL-2489: Update cPanel::PublicAPI rpm to version 2-1.cp1146.
- Fixed case CPANEL-2503: Ignore NS records when trying to resolve IP addresses.
- Fixed case CPANEL-2505: Don't warn if default kernel version can't be detected.
- Fixed case CPANEL-2555: Permit setting email destinations on DNSONLY.
- Fixed case CPANEL-2564: Restart clamd even if an extraneous init script exists.
- Fixed case CPANEL-2575: Load Cpanel::Regex quietly from Cpanel::Carp.
- Fixed case CPANEL-2582: Update sysinfo code to not run rpm as unprivileged user.
- Fixed case CPANEL-2587: Improve MIME::Type detection for attachment files.
- Fixed case CPANEL-2605: Improve handling of JSON-encoded number in PL email page.
- Fixed case CPANEL-2626: Update WHMCS OpenID Provider module.
- Fixed case CPANEL-2629: Email Accounts: Use whole numbers for quotas.
- Fixed case CPANEL-2637: Ensure Horde connections can be made when TLSv1.0 is disabled.
- Fixed case CPANEL-2639: Fixed bug in handling of UTF-8 characters for global filter rules.
- Fixed case CPANEL-2652: Replace underscore with lodash in more places.
- Fixed case CPANEL-2654: Fix uninitialized value warnings on User Manager page.
- Fixed case CPANEL-2658: Fix encoding on login page.
- Fixed case CPANEL-2660: Paper Lantern Track Delivery: Prevent options from appearing above the header.
- Fixed case CPANEL-2663: Skip FTP quota check if quota value is not numeric.
- Fixed case CPANEL-2675: Suppress spurious warnings in cpsrvd.
- Fixed case CPANEL-2680: Improve performance of CPANEL_LOTS_OF_EMPTY_LINE_HTML SpamAssassin rule.
- Fixed case CPANEL-2688: Fix URL detection for Bitbucket Server.
- Fixed case CPANEL-2692: WHM API 1: allow root to operate on its own account.
- Fixed case CPANEL-2696: Update RPMs for TLS 1.2 and ECC support.
- Fixed case CPANEL-2724: Add .ptt files to the template cache build process.
- Fixed case CPANEL-2744: User Manager: Identify and report Web Disk creation errors.
- Fixed case CPANEL-2747: Ensure SMTP restrictions are restored on CentOS 7.
- Fixed case CPANEL-2771: cpsrvd: properly update quota cache.
- Fixed case CPANEL-2815: Improve error reporting for copying an account with user password.
- Implemented case CPANEL-2467: Inform the user when there's a backend OIDC problem.
- Implemented case CPANEL-2519: Paper Lantern Webmail overlay should point to preference drop down.
- Implemented case CPANEL-2521: User should be able to go to sidebar links from feature search.
- Implemented case CPANEL-2522: Add padding to the top of the webmail pages.
- Implemented case CPANEL-2524: Improve system response on "access_denied" OAuth2 response.
- Implemented case CPANEL-2527: Update, create RPMs for UI work.
- Implemented case CPANEL-2528: User Manager Project - Release 2.
- Implemented case CPANEL-2536: Fix escaping for PgSQL DB names with special characters in x3.
- Implemented case CPANEL-2546: Fix MySQL privs assignment/revocation URI escaping in PL.
- Implemented case CPANEL-2550: Fix HTML- and URI-escaping for SQL wizards in Paper Lantern.
- Implemented case CPANEL-2551: HTML Elements in tables in notifications no longer get double encoded.
- Implemented case CPANEL-2554: Fix API1 Postgres::deluser() error message.
- Implemented case CPANEL-2560: Add UI include points to cPanel sidebar pages.
- Implemented case CPANEL-2578: Treat failures to write CDS cache files as non-fatal.
- Implemented case CPANEL-2586: Disable external auth providers that can't work.
- Implemented case CPANEL-2630: Ensure OpenID errors are shown instead of timeout.
- Implemented case CPANEL-2638: Allow email account suspension and password verification.
- Implemented case CPANEL-2640: Implement cPanelID for cpanel.
- Implemented case CPANEL-2651: Fix OIDC logins when one provider is corrupt.
- Implemented case CPANEL-2656: Fix error message first time you login.
- Implemented case CPANEL-2659: Require HTTPS for external authentication in cpsrvd.
- Implemented case CPANEL-2667: Support passing through security tokens with OIDC.
- Implemented case CPANEL-2682: Report OIDC "userinfo" failures more usefully.
- Implemented case CPANEL-2697: Make OIDC well-known config failures not "grow" dest_uri.
- Implemented case CPANEL-2698: Inform user to click Apply/Save to apply changes.
- Implemented case CPANEL-2699: Implement Two-Factor Authentication for cPanel and WHM web interfaces.
- Implemented case CPANEL-2699: CPHulk: Count all bad requests as 'hits' when 2FA security policy is enabled.
- Implemented case CPANEL-2700: Allow for custom RPMs to be signed with third-party vendor keys.
- Implemented case CPANEL-2709: Added SSH free pkgacct and log streaming to transfers.
- Implemented case CPANEL-2721: Convert Whostmgr::ACLS::Cache to use JSON caching.
- Implemented case CPANEL-2740: Create a well known endpoint for cPanelID.
- Implemented case CPANEL-2745: Remove legacy closefds from uapi.
- Implemented case CPANEL-2752: File Manager not showing files because of mime load failure.
- Implemented case CPANEL-2763: Fix padding on token-denied page.
- Implemented case CPANEL-2766: Prevent HTML entities from going into DynamicUI caches.
- Fixed case CPANEL-1208: Ensure privileges are dropped to the expected group.
- Fixed case CPANEL-1271: Fixed upper/lower-case issue with ftp accounts.

- Fixed case CPANEL-1284: Fixed bug that disallowed creation of 0@domain.com email users.
- Fixed case CPANEL-1327: Fixed bug in queueprocd causing ready tasks not to run when expected.
- Fixed case CPANEL-1357: Fix display of feature list names containing + in Edit a Package.
- Fixed case CPANEL-1361: xfertool: allow odd numbers of nameservers.
- Fixed case CPANEL-1395: Improve error handling of userdata guard.
- Fixed case CPANEL-1424: Fix broken locale string.
- Fixed case CPANEL-1424: Include pending queue when exporting a locale.
- Fixed case CPANEL-1453: Don't corrupt non-ASCII subjects when adding spam header.
- Fixed case CPANEL-1626: Cpanel::Sync::v2 needs to update digest cache from sync children.
- Fixed case CPANEL-1651: Restore zones added through Add a DNS Zone.
- Fixed case CPANEL-1978: Restore RSS to Cpanel::ConfigFiles via lazy loading.
- Fixed case CPANEL-1996: Fixed angular inf-dig loop on List Databases.
- Fixed case CPANEL-2008: Avoid parsing DirName entries in subjectAltName X.509 extensions.
- Fixed case CPANEL-2066: Don't fail to backup with remote file systems.
- Fixed case CPANEL-2137: Prevented duplicate cpanel-all.min.js file from being loaded.
- Fixed case CPANEL-2150: check_mysql: don't fail if non-root UID 0 users exist.
- Fixed case CPANEL-2246: New Tweak: Allow WHM users to create sub_domains across accounts.
- Fixed case CPANEL-2273: Fix/refactor Cpanel::SafeRun::Object::new_or_die()'s signal response.
- Fixed case CPANEL-2341: Fix mistranslation of "Databases" in German.
- Fixed case CPANEL-2344: Fix broken CSS when deleting user from MySQL database.
- Fixed case CPANEL-2347: Deleting cPanel Account does not generate an iContact Notification.
- Fixed case CPANEL-2351: Preserve IP information in eximstats database.
- Fixed case CPANEL-2351: Improve debuggability of eximstats processing.
- Fixed case CPANEL-2358: Updated existing docroot install check to check against full dir path.
- Fixed case CPANEL-2361: Resolved stack trace due to missing Attracta components.
- Fixed case CPANEL-2366: Remove additional CJT from being loaded on specific pages.
- Fixed case CPANEL-2371: Implement WHM API 1 listacct want parameter.
- Fixed case CPANEL-2375: Invalidate browser cache for JS files loaded via RequireJS on upgrades.
- Fixed case CPANEL-2388: Backup: add missing dependency on Cpanel::Time::Split.
- Fixed case CPANEL-2391: Fixed text when no PHP is available.
- Fixed case CPANEL-2399: Cleanup possible existing PHP-DSO conflicts.
- Fixed case CPANEL-2400: DNSONLY: stop dnsadmin on upgrade if it is not a daemon.
- Fixed case CPANEL-2413: Reorder mail filter matching to be more user friendly.
- Fixed case CPANEL-2417: Resolve regex warning in openidconnect code for perl 5.22.
- Fixed case CPANEL-2424: Fixed improper invocation of Cpanel::Exception with list in message.
- Fixed case CPANEL-2443: Allow ability to create email addresses with "0" as the local part.
- Fixed case CPANEL-2454: Replace uses of Digest::SHA1 with Digest::SHA.
- Fixed case CPANEL-2483: Fix typo in call to _get_map_reader().
- Fixed case CPANEL-2485: Ensure Modify Account does not clear jailshell setting.
- Fixed case CPANEL-2504: Add in missing templates for x3 MySQL pages.
- Fixed case CPANEL-2513: Improve variable passing in a private function.
- Fixed case CPANEL-2525: Force popbeforesmtp to off on DNSONLY systems.
- Fixed case CPANEL-2555: Permit setting email destinations on DNSONLY.
- Fixed case CPANEL-2557: Webmail: Users with delegation must be able access the Mailing Lists interface.
- Fixed case CPANEL-2568: Remove extra newline in multipart iContact emails.
- [security] Fixed case SEC-29: Sensitive data revealed to subaccounts through comet feeds.
- [security] Fixed case SEC-60: Email sending limit bypass.
- [security] Fixed case SEC-64: Unauthenticated arbitrary code execution via DNS NS entry poisoning.
- [security] Fixed case SEC-65: Unauthorized password changes via Webmail API commands.
- [security] Fixed case SEC-66: WHM API allows for unauthorized zone modification.
- Implemented case CPANEL-2107: Improve EA 4 UI to allow MPM and module selection.
- Implemented case CPANEL-2174: Removed comments when showing directive values in MultiPHP interface.
- Implemented case CPANEL-2252: Use kernel splice for Cpanel::IO::Tarball, with fallback.
- Implemented case CPANEL-2300: Adjusted styles on login pages to account for ext auth.
- Implemented case CPANEL-2310: Properly color External Auth notifications.
- Implemented case CPANEL-2311: Add php-xml module when converting EA3 profile to EA4.
- Implemented case CPANEL-2334: Update libmariadb to use /var/lib/mysql/mysql.sock.
- Implemented case CPANEL-2346: Remove legacy load_userfile_as_root function.
- Implemented case CPANEL-2372: Ensure warnings are shown in cPanel during api1 calls in template toolkits.
- Implemented case CPANEL-2373: Added a new output format option for pkgacct and API.
- Implemented case CPANEL-2374: Support dest_uri for openid connect logins.
- Implemented case CPANEL-2376: Added passwd to the publish files for paper lantern.
- Implemented case CPANEL-2379: Basic Settings now allows ADDR6 entry to be empty or emptied.
- Implemented case CPANEL-2380: Add log rotation for the cpanel_php_fpm logs.
- Implemented case CPANEL-2381: Exim remote IPs and smarthosts now allow IPv6.
- Implemented case CPANEL-2383: Fix DB UIs (x3 & Paper Lantern) and APIs for new naming allowances.
- Implemented case CPANEL-2397: Added Expand/Collapse functionality back to the Sea of Icons.
- Implemented case CPANEL-2414: Resolved issue where slow connection speeds broke.
- Implemented case CPANEL-2418: Improve logic for removal of users.
- Implemented case CPANEL-2419: Resolve logo alignment on the login pages with an LG G4.
- Implemented case CPANEL-2434: Modernize the reseller center interface.
- Implemented case CPANEL-2458: Add help and multiple dbbackup options to pkgacct.

- Implemented case CPANEL-2491: New icons for cPanel.
- Implemented case CPANEL-2509: Update preview screenshots for cPanel styles.
- Implemented case CPANEL-2534: Fixed issue with notice displaying twice.
- Implemented case CPANEL-2552: Resolve invalid html output when license file missing in WHM.
- Fixed case CPANEL-675: Remove the use of antirelayd from exim.
- Fixed case CPANEL-708: Dropped deprecated "Old Style Spam system" exim configuration option.
- Fixed case CPANEL-792: Mark skipantirelayd as dead in 11.54.
- Fixed case CPANEL-797: Remove ancient entropychat.
- Fixed case CPANEL-799: Remove pythonup.
- Fixed case CPANEL-809: Remove taskqueue upgrade code from 11.54.
- Fixed case CPANEL-817: Remove obsolete Cpanel::Compat::DBI.
- Fixed case CPANEL-817: Remove obsolete Cpanel::Compat::DBDPg.
- Fixed case CPANEL-827: Configure /var/log/named in /etc/named.conf.
- Fixed case CPANEL-843: Revert the use of override Time::Local to the one provided by RPM.
- Fixed case CPANEL-894: Remove rebuildximbsd.
- Fixed case CPANEL-946: Make Cpanel::AdminBin::Call::call() have the namespace as first argument.
- Fixed case CPANEL-978: Add pre and post hook points to rearrange account.
- Fixed case CPANEL-990: Don't handle MySQL/MariaDB upgrades when mysql_governor is installed.
- Fixed case CPANEL-1008: Reduce the number of stat()s significantly in PsParser.pm.
- Fixed case CPANEL-1137: Change to use cPanel::PublicAPI from CPAN.
- Fixed case CPANEL-1141: Fix custom cPanel error pages not being displayed.
- Fixed case CPANEL-1147: Restore Net::AIM and Net::OSCAR to fix builds.
- Fixed case CPANEL-1295: Get rid of version-specific Horde empty-db suffix.
- Fixed case CPANEL-1349: Restore missing titles on Paper Lantern pages on 11.54.
- Fixed case CPANEL-1362: Adjust SOA record in Zone templates to match recommended TTL values.
- Fixed case CPANEL-1391: Changed style on Toggle switch to better localize.
- Fixed case CPANEL-1406: Limit use of chdir in Cpanel::Horde::DB.
- Fixed case CPANEL-1411: Remove function name as argument to pre_exec_hook() in AdminBin Call base.
- Fixed case CPANEL-1412: Fix biased output in Cpanel::Rand::Get.
- Fixed case CPANEL-1417: Fixed select all checkbox on WHM Greylisting Trusted Hosts.
- Fixed case CPANEL-1441: Use port 587 for outgoing mail from Horde.
- Fixed case CPANEL-1470: Namespaced CJT Toggle switch to prevent style leak.
- Fixed case CPANEL-1481: Optimize binary startup time.
- Fixed case CPANEL-1488: Test for restriction on root bw DB cache.
- Fixed case CPANEL-1504: Fix biased output in Cpanel::Rand::Get.
- Fixed case CPANEL-1504: Improve error handling in Cpanel::Rand::Get.
- Fixed case CPANEL-1532: Remove Attracta support code.
- Fixed case CPANEL-1534: Fix rendering of DateTime in xml-api.
- Fixed case CPANEL-1536: Fix logout button alignment in paper lantern.
- Fixed case CPANEL-1538: WHM Manage MySQL Profiles: Fixed alignment of the Edit icon.
- Fixed case CPANEL-1541: Fixed expand stats in retro style.
- Fixed case CPANEL-1580: Consolidate homedir init logic for new cPanel users (real and temp).
- Fixed case CPANEL-1639: Allow root logins to cpanel to fail gracefully.
- Fixed case CPANEL-1668: Added localization support for EA4 profile RPMs.
- Fixed case CPANEL-1677: WHM cPHulk: Added disabled styles to the gear dropdown.
- Fixed case CPANEL-1686: Highlight Error lines when displaying yum output.
- Fixed case CPANEL-1728: WHM cPHulk: Sorting by comment includes a secondary sort by IP address.
- Fixed case CPANEL-1756: Removed ancient pkgfix script.
- Fixed case CPANEL-1757: Fix Paper Lantern integration icons.
- Fixed case CPANEL-1767: Fixed text clipping in toggle when using non-en locale in cPHulk and Greylisting.
- Fixed case CPANEL-1768: Report an error if FTP account creation fails with addon domains.
- Fixed case CPANEL-1786: Convert WebDisk configuration landing page to bootstrap.
- Fixed case CPANEL-1787: Changed Apache configuration defaults to match PCI recommendations.
- Fixed case CPANEL-1794: Convert List Parked Domains to bootstrap.
- Fixed case CPANEL-1795: Make DAV SSL port lookup more robust.
- Fixed case CPANEL-1814: Fix IPv6 DNS resolution with Perl <5.14 when missing dig.
- Fixed case CPANEL-1828: Add restartsrv_cpipv6 to allow unbinding and rebinding of IPv6 addresses.
- Fixed case CPANEL-1833: Allow sesellers with the all privilege to use Add to Mail Config feature.
- Fixed case CPANEL-1868: Exim support for outgoing mail on account's assigned IPv6 address.
- Fixed case CPANEL-1915: Improve binary performance and memory usage.
- Fixed case CPANEL-1955: Update DBD::Pg to 3.5.3.
- Fixed case CPANEL-2002: Focus to feature search on home and dashboard.
- Fixed case CPANEL-2003: Fixing padding issues with header in webmail.
- Fixed case CPANEL-2018: Installer: touch Exim IPv6-related file correctly.
- Fixed case CPANEL-2022: Fix the base url in WHM MultiPHP apps.
- Fixed case CPANEL-2024: IPv6 improvements and SPF support.
- Fixed case CPANEL-2028: Remove italic font styling from placeholder text on login pages.
- Fixed case CPANEL-2059: User Manager Project - Release 1.
- Fixed case CPANEL-2123: Backup SpamAssassin configuration during system backup.
- Fixed case CPANEL-2168: Restore batch call performance in WHM json/xml api.
- Fixed case CPANEL-2218: Bump Exim from cp1148 to exim-4.86-3.cp1154.
- Fixed case CPANEL-2225: Major refactor of migrate_ea3_to_ea4.

- Fixed case CPANEL-2254: Reduce polling requests for service status in WHM cPHulk.
- Fixed case CPANEL-2254: Reduce polling requests for service status in WHM Greylisting.
- Fixed case CPANEL-2270: Remove prelinking support.
- Fixed case CPANEL-2349: Update cpanel-git to 2.6.3-1.cp1150.
- Fixed case CPANEL-2354: Remove killacct script.
- Implemented case CPANEL-897: Optimize login process and paper_lantern webmail access.
- Implemented case CPANEL-909: Compile restartsrv_base to speed up chkssrvd runs.
- Implemented case CPANEL-914: Encrypt AIM and ICQ message sending.
- Implemented case CPANEL-1162: Reuse AIM and ICQ logins to minimize rate limiting.
- Implemented case CPANEL-1212: Add feature list support to the WebDisk API.
- Implemented case CPANEL-1296: OpenID Connect support merge.
- Implemented case CPANEL-1345: Ensure CalDAV/CardDAV work after changing the hostname.
- Implemented case CPANEL-1352: Allow the cPanel user to enable/disable the global shared addressbook.
- Implemented case CPANEL-1393: API to create per user cPanel Integration Links.
- Implemented case CPANEL-1398: Updating new icons for cPanel Paper Lantern.
- Implemented case CPANEL-1401: Remove unused parameter from backend calls.
- Implemented case CPANEL-1404: Move the bulk of the DAV config code into its own module.
- Implemented case CPANEL-1415: UI now has access to upgrade to MariaDB 10.1.
- Implemented case CPANEL-1416: Hide private shared address book in Horde sidebar.
- Implemented case CPANEL-1425: Reduce bloat in boxtrapper web UI.
- Implemented case CPANEL-1433: Avoid loading cpanel.config for simple form parses in Cpanel::Form.
- Implemented case CPANEL-1451: Display version numbers without 11. in WHM and cPanel.
- Implemented case CPANEL-1456: Upgrade server config and packages to use Paper Lantern.
- Implemented case CPANEL-1479: Update IO::Interface to 1.06-2.cp1146.
- Implemented case CPANEL-1486: PwDiskCache should attempt to use the memory cache before disk reads.
- Implemented case CPANEL-1489: Change MariaDB 10.1 tag to Release Candidate.
- Implemented case CPANEL-1494: Remove unused table in the hulk database.
- Implemented case CPANEL-1499: Adding ability to convert EA3 profiles to EA4 ones.
- Implemented case CPANEL-1503: Avoid affecting Retro style with dashboard changes.
- Implemented case CPANEL-1505: Replace all usage of BSD::Resource with Cpanel::Sys::Rlimit.
- Implemented case CPANEL-1527: Create Cpanel::IO::Mmap to standardize reading mmaped files.
- Implemented case CPANEL-1540: Added button in WHM to run `yum update` to update server software.
- Implemented case CPANEL-1549: Simplify non-cryptographic hash generation in Cpanel::Hash.
- Implemented case CPANEL-1553: Improve localization in MySQL Upgrade.
- Implemented case CPANEL-1576: Optimize feature list lookups.
- Implemented case CPANEL-1591: Add FPM Support.
- Implemented case CPANEL-1636: WHM Update Preference should show three part version number.
- Implemented case CPANEL-1637: Bandwidth graphs should not be cut off.
- Implemented case CPANEL-1696: Add an upgrade blocker to stop servers using Courier from upgrading to 11.54.
- Implemented case CPANEL-1697: Remove the Courier mailserver from the product.
- Implemented case CPANEL-1701: Ability to assign shared IPv6 address to accounts.
- Implemented case CPANEL-1705: Create new icon set for cPanel.
- Implemented case CPANEL-1708: Implemented main icon screen in AngularJS.
- Implemented case CPANEL-1724: Sprite Generation does not happen for x3.
- Implemented case CPANEL-1750: Fix android filename encoding with multi-byte characters.
- Implemented case CPANEL-1773: Optimize loading of Paper Lantern.
- Implemented case CPANEL-1811: Improve Disk Status subject line for chkssrvd iContact message.
- Implemented case CPANEL-1823: update_horde_config: improve error handling.
- Implemented case CPANEL-1826: Improve PHP FPM support.
- Implemented case CPANEL-1873: Further improve PHP FPM.
- Implemented case CPANEL-1897: Fix Ichown-related error messages, and remove unneeded modules.
- Implemented case CPANEL-1922: Add the ability to restore integration links.
- Implemented case CPANEL-1935: Migrate users away from x3 and x3mail on upgrade.
- Implemented case CPANEL-1948: Dashboard for Paper Lantern.
- Implemented case CPANEL-1956: Allow (almost) any printable ASCII character in a database name.
- Implemented case CPANEL-1979: Prefer /var/lib/mysql/mysql.sock over /tmp/mysql.sock.
- Implemented case CPANEL-1990: Added External Authentication (OpenID Connect).
- Implemented case CPANEL-2000: Improve the speed of listing mailing lists when there are lots of lists.
- Implemented case CPANEL-2006: Simplify PHP FPM support.
- Implemented case CPANEL-2015: Resolve conflicts between external auth and PHP FPM.
- Implemented case CPANEL-2023: Changed 'Account Security' to 'Password & Security'.
- Implemented case CPANEL-2038: Fixed incorrect exception in restore.
- Implemented case CPANEL-2052: Replace 1/0 with On/Off in cPanel&WHM INI Editors.
- Implemented case CPANEL-2076: Fix issue where Paper Lantern didn't render proper maketext.
- Implemented case CPANEL-2100: More PHP FPM improvements.
- Implemented case CPANEL-2101: More PHP FPM improvements.
- Implemented case CPANEL-2122: Ensure users stay on x3 with custom branding.
- Implemented case CPANEL-2127: Updated INI editor to new CJT toggle switches.
- Implemented case CPANEL-2173: Improve listaccts speed when listing more than 1000 accounts.
- Implemented case CPANEL-2175: Speed up the ExternalAuthentication login display.
- Implemented case CPANEL-2186: Do not delay upgrades after a blocker has been 'auto-resolved'.
- Implemented case CPANEL-2193: Updated text for MySQL Upgrade.

- Implemented case CPANEL-2194: Improved External Authn error reporting.
- Implemented case CPANEL-2196: Provide sample Amazon External Authentication Module.
- Implemented case CPANEL-2241: Remove external auth buttons in link_account mode.
- Implemented case CPANEL-2256: Add API Calls to create per user groups in paper_lantern and x3.
- Implemented case CPANEL-2259: Support WHMCS as an OpenID Provider.
- Implemented case CPANEL-2269: Improvements to cPanel Interface.
- Implemented case CPANEL-2278: Allow "5.5.5-10.0.14-MariaDB-log" as a MariaDB/MySQL version string.
- Implemented case CPANEL-2279: Fix Safari not displaying error messages on login.
- Implemented case CPANEL-2281: cpsrvd should not die when loading cpuserdata for a non-existent user.
- Implemented case CPANEL-2284: Defer temp session user creation until phpmy or backups are accessed.
- Implemented case CPANEL-2288: Accessing /502.shtml on a proxy subdomain generates an error.
- Implemented case CPANEL-2312: Stop sending notifications if no user is updated.
- Implemented case CPANEL-2331: Remove names from cPanel versions.
- Implemented case CPANEL-2337: WebMail Track Delivery fails due to thinking MySQL is down.