

# 78 Release Notes

## For cPanel & WHM 78

***This page was last updated on:***

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## Upgrade Blockers

### EasyApache 3 reaches End of Life (EOL)

If your system runs EasyApache 3, you **must** update to [EasyApache 4](#) **before** you upgrade your server to cPanel & WHM version 78. We will **no longer** update EasyApache 3. You **cannot** revert to EasyApache 3. For more information about how to upgrade to EasyApache 4, read our [How to Install or Uninstall EasyApache 4](#) documentation.

### LiteSpeed 5.3.6 required

If LiteSpeed exists on your server, you **must** upgrade to LiteSpeed version 5.3.6 or later **before** you upgrade to cPanel & WHM version 78.

## New features

### cPanel Analytics

cPanel Analytics is an optional plugin that, if you explicitly enable it for both the server and account, collects data about how users use cPanel & WHM's interfaces.

#### Notes:

- We **strongly** encourage you to enable cPanel Analytics. The data that this system collects allows us to target and improve the features that cPanel & WHM users use the most.
- We now install the `cp-panel-analytics` RPM by default. However, this installation does **not** enable cPanel Analytics or record **any** data.
- For steps to enable or disable cPanel Analytics, read our [cPanel Analytics](#) documentation.

### Privacy and tracking

We **only** track activity on your server if users specifically enable cPanel Analytics:

- We do **not** collect **any** data about **any** user until the `root` user explicitly enables the plugin on the server level.
- We do **not** collect data about a specific user's actions until that user enables cPanel Analytics at the account level.
- We respect the `dnt` (Do Not Track) header and will not collect data about any user who has disabled tracking in their browser, regardless of their cPanel Analytics settings.

### Configure cPanel Analytics

WHM's new [Configure cPanel Analytics](#) interface (*WHM >> Home >> Server Configuration >> Configure cPanel Analytics*) allows you to enable or disable cPanel Analytics at the server level.

### dynamicui.conf changes

To ensure that cPanel Analytics does not retrieve page titles that may contain personal or identifying data, we have added the `key` parameter to both cPanel's `dynamicui.conf` file and WHM's `dynamicui.conf` file. This parameter identifies interfaces and their associated assets.

### New *Backblaze B2* destination type in WHM's *Backup Configuration* interface

In cPanel & WHM version 78, we added the *Backblaze B2* destination type to WHM's [Backup Configuration](#) interface (*WHM >> Home >> Backup >> Backup Configuration >> Additional Destinations* tab). This option allows users to save their backups to the [Backblaze B2 Cloud Storage](#) destination.

### Purchase LiteSpeed Web Server directly from WHM's interface

In cPanel & WHM version 78, we added a banner to WHM's [EasyApache 4](#) interface (*WHM >> Home >> Software >> EasyApache 4*) that allows the system administrator to purchase a LiteSpeed Web Server license. The system will attempt to install LiteSpeed Web Server automatically after the purchase. Hosting providers can disable the LiteSpeed Web Server banner for their licensed servers from Manage2's [Update Company](#)

[Information](#) interface ([Manage2](#) >> [Company](#) >> [Update Company Information](#)).

## New tweak setting to delete users' Horde cache files

In cPanel & WHM version 78, we added the *Age, in days, of content to purge users' Horde cache files* option to the [Mail](#) section of WHM's [Tweak Settings](#) interface ([WHM](#) >> [Home](#) >> [Server Configuration](#) >> [Tweak Settings](#)). This setting determines the minimum age, in days, of files that the system will automatically delete users' Horde cache files.

This setting accepts a minimum value of 1, and defaults to *Disabled*.

## KernelCare price displayed in Security Advisor and Graceful Server Reboot interfaces

In cPanel & WHM version 78, if your system supports KernelCare, you may receive an upgrade notification with a monthly KernelCare license price in the following WHM interfaces:

- The [Security Advisor](#) interface ([WHM](#) >> [Home](#) >> [Security Center](#) >> [Security Advisor](#)).
- The [Graceful Server Reboot](#) interface ([WHM](#) >> [Home](#) >> [Reboot Services](#) >> [Graceful Server Reboot](#)).

To purchase a KernelCare license, click [Get KernelCare for \\$](#), where \$ represents the monthly price for the KernelCare license.

For more information about how to purchase a KernelCare license, read our [How to Purchase a KernelCare License](#) documentation. For more information about KernelCare, visit CloudLinux's [KernelCare](#) site.

## UTF-8-encoded email mailboxes

In cPanel & WHM version 78, we added the *UTF-8 Mailbox Names* option to the [Manage Default Email Account](#) section in cPanel's [Email Accounts](#) interface ([cPanel](#) >> [Home](#) >> [Email](#) >> [Email Accounts](#)). This option enables or disables UTF-8 encoded mailbox names on Horde and Roundcube webmail for a user's email accounts.

Users can select the UTF-8-encoded mailbox names in cPanel's [Email Filters](#) interface ([cPanel](#) >> [Home](#) >> [Email](#) >> [Email Filters](#)).

## New cPanel interface includes

In cPanel & WHM version 78, we added support for three additional include files to the cPanel [Home](#) interface's [Statistics Bar](#):

- `above_general_information.html.tt` — The cPanel [Home](#) interface displays this information above the [General Information](#) section in the sidebar.
- `above_stats_bar.html.tt` — The cPanel [Home](#) interface displays this information above the [Statistics](#) section of the sidebar.
- `below_stats_bar.html.tt` — The cPanel [Home](#) interface displays this information below the [Statistics](#) section of the sidebar.

For information on how to use these new include files, read our [Guide to cPanel Interface Customization - UI Includes](#) documentation.

## WHM's Email Deliverability interface

In cPanel & WHM version 78, we added WHM's [Email Deliverability](#) interface ([WHM](#) >> [Home](#) >> [Email](#) >> [Email Deliverability](#)). This interface allows you to identify problems with DKIM, SPF, and PTR records. These records make other mail servers more likely to accept emails that your users send.

**Note:**

When you upgrade to cPanel & WHM version 78, the system updates the `/etc/exim.conf.localopts` file if it does **not** possess the `0644` permissions.

## SSL certificate issues alert

In cPanel & WHM version 78, we added the [cPanel Service SSL certificate warnings](#) alert to WHM's [Contact Manager](#) interface ([WHM](#) >> [Home](#) >> [Server Contacts](#) >> [Contact Manager](#)). This alert notifies you if the `/usr/local/cpanel/bin/checkallssl` script detects issues with the cPanel & WHM services' SSL certificates when the `/usr/local/cpanel/scripts/upcp` script runs.

The notification template for this alert resides in the `/usr/local/cpanel/etc/SSL/CheckAllCertsWarnings.*.tmpl` file.

## Updated features

### Available MariaDB upgrade to version 10.3

In cPanel & WHM version 78, we added MariaDB® version 10.3 as an available version to WHM's [MySQL or MariaDB Upgrade](#) interface (*WHM >> Home >> Software >> MySQL/MariaDB Upgrade*). MariaDB version 10.3 includes the following new features:

- Performance improvements that allow high concurrency database loads and performance data structures.
- Scalability and performance improvements to global data structures.
- The information schema now uses less memory when you select from `INFORMATION_SCHEMA.TABLES` or other tables with several `VAR CHAR` or `TEXT` columns.

For more information about these changes, read MariaDB's [Version 10.3 Release Notes](#) documentation.

### Improved cPanel (powered by Sectigo®) AutoSSL certificate checks

We've reduced the polling intervals at which the system checks a *cPanel (powered by Sectigo)* certificate. The system now checks the status of a certificate as follows:

Age of certificate request	Polling frequency
Less than 30 minutes.	Once every two minutes.
After 30 minutes.	Once every ten minutes.
After one hour.	Once every 30 minutes.
After four hours.	Once every hour.
After one day.	Once every 12 hours.

For more information, read our [Manage AutoSSL](#) documentation.

### Improved Apache SpamAssassin™ performance

In cPanel & WHM version 78, we improved Apache SpamAssassin's performance. This improvement provides up to a 60% speed increase in message scanning and faster load times.

### Email Accounts interface improvements

In cPanel & WHM version 78, we refactored cPanel's [Email Accounts](#) interface (*cPanel >> Home >> Email >> Email Accounts*) to improve its usability and appearance for standard and mobile displays.

The changes include the following improvements:

- Improve the appearance and streamline functionality of the *Email Accounts* table.
- Highlight critical actions, such as *Create* and *Delete*.
- Move account management functions to a separate interface.
- Organize functions into sections of the interface.
- Include links to related account functions, such as Autoresponders, Disk and Quota, and External Authentication.
- Improve interface text and confirmation message warnings.

This refactor is part of our continued effort by cPanel LLC to improve and standardize interface appearance and usability.

### Updated Git Version Control functionality

cPanel's [Git Version Control](#) interface (*cPanel >> Home >> Files >> Git Version Control*) now retains your selection for the *Clone a Repository* toggle when you clone or create multiple repositories.

### Improved Ethernet device detection

During installation, the system will now attempt to detect your Ethernet device. It skips this step if you preconfigure the `/etc/wwnacct.conf` file.

## Cannot enter cpanel as an account name for email accounts

In cPanel & WHM version 78 and later, you can no longer enter `cpanel` as an account name when you create an email account. This does **not** affect any email addresses with the `cpanel` account name that currently exist. However, if you delete those addresses, you **cannot** re-create them.

Additionally, servers now report that an email address with the `cpanel` account name exists for each domain on the server.

## Automated email archiving in Roundcube

In cPanel & WHM version 78, Webmail Roundcube users can now archive their emails directly through the *Archive* button. You can find the *Archive* button in four locations within the interface:

- The Inbox's menu
- The Inbox's *More* menu button (*Inbox >> More >> Move to... >> Archive*)
- The email view's menu
- The email view's *Move* menu button (*Move >> Archive*)

For more information, read the [Which Webmail Application Should I Choose?](#) document.

## Configure system PHP INI directives for PHP-FPM from WHM's *MultiPHP Manager* interface

In cPanel & WHM version 78, system administrators can automatically configure some PHP INI settings directly from the WHM interface in WHM's *MultiPHP Manager* (*WHM >> Home >> Software >> MultiPHP Manager*) interface. The new *System PHP-FPM Configuration* tab in the *MultiPHP Manager* interface allows WHM users to set the system's PHP INI directives. System administrators can still update the directives manually through the command line. The *System PHP-FPM Configuration* tab also houses the PHP-FPM Pool Options configuration for the system.

For more information on the interface, read the [MultiPHP Manager for WHM](#) documentation. For more information on the PHP INI directives, read the [Configuration Values of PHP-FPM](#) and [How to Manage Your php.ini Directives with PHP-FPM](#) documentation.

## PHP-FPM Pool Options settings moved to new tab in WHM's *MultiPHP Manager* interface

In cPanel & WHM version 78, WHM system administrators can access the system PHP-FPM Pool Options through the new *System PHP-FPM Configuration* tab in WHM's *MultiPHP Manager* (*WHM >> Home >> Software >> MultiPHP Manager*) interface. To access domain-specific pool options, click *Edit PHP-FPM* from the domain's row in the domains table. This action opens the new *Domain PHP-FPM Configuration* tab, where you can edit Pool Options for the domain, as well as the domain's PHP INI directives.

## DNS-based DCV for hostname certificates

In cPanel & WHM version 78, we extend DNS-based Domain Control Validation (DCV) to the server's hostname certificate. The server automatically runs DNS-based DCV if HTTP-based DCV fails, which will help to prevent DCV failures for hostname certificates.

### Notes:

- This **only** applies to servers that can update the authoritative DNS zone for their own hostname.
- By default, cPanel, L.L.C. offers free, one-year, single-domain, cPanel-branded certificates to every licensed cPanel server.

## cPanel API 2 `SSH::genkey_legacy` function redirects to `SSH::genkey`

In cPanel & WHM version 78, we redirected the output of the deprecated cPanel API 2 `SSH::genkey_legacy` function to the cPanel API 2 `SSH::genkey` function. The functions accept the same parameters. However, the legacy function includes HTML in its returns while the newer function strips HTML from its return. If you have not yet changed your scripts to use the newer function, we strongly recommend that you read the newer function's return information and adjust your scripts.

## Update Dovecot from version 2.2 to 2.3

In cPanel & WHM version 78, we updated Dovecot<sup>®</sup> from version 2.2.36 to version 2.3.4.

## Additional error messages for the `check_users_my_cnf` script

In cPanel & WHM version 78, the `/usr/local/cpanel/scripts/check_users_my_cnf` script now displays error messages that it did not

previously report. Additionally, we no longer delete invalid `.my.cnf` files. Instead, we rename and retain them. This allows users to view any settings from the previous invalid files that they may want to copy to the new file.

## Download processes during installations

In cPanel & WHM version 78, we updated the maximum number of download processes from one to four during installations. This should result in faster server installation times.

## cPanel's Email Deliverability interface

In cPanel & WHM version 78, we added cPanel's [Email Deliverability](#) interface ([cPanel >> Home >> Email >> Email Deliverability](#)). This interface allows cPanel users to manage their domain's DKIM, SPF, and PTR records. It also allows users to resolve any problems that may exist with these records. This new interface replaces and improves the functionality of the [previous Authentication interface](#) ([cPanel >> Home >> Email >> Authentication](#)).

### Important:

Certain records may require access rights to a domain's DNS records. If you do **not** possess access to a DNS record, the interface provides information about how to resolve the issue.

Server administrators can manage user access to this feature with the [Email Deliverability \(Authentication\)](#) option in WHM's [Feature Manager](#) interface ([WHM >> Home >> Packages >> Feature Manager](#)).

## Rename the Authentication interface to Email Deliverability

In cPanel & WHM version 78, we renamed the [Authentication](#) interface to [Email Deliverability](#). This new name more clearly describes the purpose of this interface.

For more information, read our [Email Deliverability](#) documentation.

## FCGId

We updated the FastCGI daemon (FCGId) to work completely with the MultiPHP system. For more information, read our [Apache Module: FCGId](#) documentation.

## MX records match hostname after account transfer

In cPanel & WHM version 78, we now migrate hostnames in mail exchange (MX) records during account transfers. The server updates any MX record whose `mail exchanger` uses the previous hostname (or the `mail.PreviousHostname` subdomain) to use the new hostname instead, where `PreviousHostname` represents the user's previous hostname.

## New settings for smarthost route lists in WHM's Exim Configuration Manager

In cPanel & WHM version 78, we added the following settings in WHM's [Exim Configuration Manager](#) interface ([WHM >> Home >> Service Configuration >> Exim Configuration Manager](#)):

- [Autodiscovery SPF include hosts from the smarthost route list](#) — This option allows the system to check the smarthost route list labels for SPF entries and add an include entry to the SPF records. This setting defaults to *On*.
- [SPF include hosts for all domains on this system](#) — This option allows you to enter hosts that the system will add as SPF include entries for all SPF enabled-domains. This setting defaults to *None*.

## IPv6 HTTP Domain Control Validation (DCV)

In cPanel & WHM version 78, we altered HTTP DCV to prioritize IPv6 addresses over IPv4 addresses.

HTTP DCV will continue to use IPv4 addresses for DCV domains that do not have AAAA records. If an AAAA record exists, AutoSSL will attempt to run a DCV on the IPv6 address. Any misconfigured AAAA records will cause HTTP DCV to fail, even if you properly configure the A records. Alternatively, you can remove the AAAA records to use IPv4 exclusively.

## Create Support Ticket interface now suggests that customers open a ticket with their license provider

In cPanel & WHM version 78.0.6, we updated WHM's [Create Support Ticket](#) interface (*WHM >> Home >> Support >> Create Support Ticket*) to suggest that users open a support ticket with their license provider. If available, the interface will display their license provider's contact information.

## Updated Notifications of Outdated Software template

In cPanel & WHM version 78, we updated the [Notifications of Outdated Software notification template](#). It will now include a stronger warning. The warning asks users to update software before future versions of cPanel & WHM no longer support it. If you do not update the outdated software, the system may **block your cPanel & WHM updates** until you do.

## The `find_outdated_services` script ignores the `auditd` service

In cPanel & WHM version 78, the `/usr/local/cpanel/scripts/find_outdated_services` script ignores the `auditd` service when it checks for services that are out of date. The `auditd` program, or Linux Auditing System, writes audit records to disk.

## Deprecated and removed items

### SquirrelMail webmail

We have now fully removed SquirrelMail from the available applications in cPanel's [Webmail](#) interface. To use a custom installation of SquirrelMail, read our [Tutorial - Integrate Custom Webmail Applications](#) documentation.

**Note:**

We **deprecated** SquirrelMail in cPanel & WHM version 76, and new installations on version 76 and later do **not** include it. For more information, read our [cPanel Deprecation Plan](#) documentation.

### MyDNS and NSD deprecation

In cPanel & WHM version 78, we deprecated the MyDNS and NSD nameserver software and plan to remove them in a future release. On new installations of cPanel & WHM, the [Nameserver Selection](#) interface (*WHM >> Home >> Service Configuration >> Nameserver Selection*) no longer allows you to select these nameservers. If you use either of these nameservers, we **strongly** recommend that you migrate to the PowerDNS nameserver.

For more information, read our [cPanel Deprecation Plan](#) documentation.

## Appendix A: Third-party applications

### cPanel-provided

cPanel & WHM version 78 includes the following third-party applications:

✓ [Click here to view the full list of third-party applications...](#)

✓ [Third-party MISC modules: CentOS, CloudLinux™, or RHEL® 6 or 7, 64-bit architecture...](#)

Third-party application	Version	Source
analog	6.0	RPM
AngularJS	1.4.4	RPM
AngularJS for Bootstrap	1.2.5	RPM
AWStats	7.7	RPM
Bootstrap	3.1.1	RPM
Bootstrap RTL	0.9.16	RPM

Chosen	1.5.1	RPM
CKEditor	4.5.8	RPM
ClamAV	0.100.1	RPM
cPanel Common Licenses RPM	1.0.0	RPM
cpanel-ace-editor	1.3.1	RPM
cpanel-angular-chosen	1.4.0	RPM
cpanel-angular-growl-2	0.7.3	RPM
cpanel-angular-ui-scroll	1.6.1	RPM
cpanel-axe-core	3.0.2	RPM
cpanel-bindp	1.0.0	RPM
cpanel-chosen-1.1.0	1.1.0	RPM
cpanel-d3-js	3.5.6	RPM
cpanel-dnspython	1.12.0	RPM
cpanel-editarea	0.8.2	RPM
cpanel-eventsouce-polyfill-js	1.0.0	RPM
cpanel-geoipfree-data	78.0	RPM
cpanel-gridstack	0.2.4	RPM
cpanel-handlebarsjs	1.0.0	RPM
cpanel-jquery-ui-touch-punch	0.2.3	RPM
cpanel-jsforge-js	0.7.0	RPM
cpanel-jstz-js	1.0.4	RPM
cpanel-lodash	4.8.2	RPM
cpanel-lodash-3.10.1	3.10.1	RPM
cpanel-mailman	2.1.27	RPM
cpanel-mariadb-connector	3.0.3	RPM
cpanel-moment	2.9.0	RPM
cpanel-pam-cpses	72.0	RPM
cpanel-pam-hulk	72.0	RPM
cpanel-pdns	4.1.5	RPM
cpanel-perl-526	5.26.0	RPM
cpanel-php-composer	1.7.2	RPM
cpanel-phpmyadmin	4.8.3	RPM
cpanel-phppgadmin	5.1	RPM
cpanel-qrcodejs	0.0.1	RPM
cpanel-roundcubemail	1.3.7	RPM
cpanel-sqlite	3.22.0	RPM
cpanel-squirrelmail	2012.12.09	RPM



cpanel-version	[% cpanel_display_version %]	RPM
cpanel-wrap	72.5	RPM
cpanel-xtermjs-js	3.3.0	RPM
Dovecot	2.3.3	RPM
elFinder	2.1.11	RPM
Exim	4.91	RPM
FontAwesome	5.0.6	RPM
Git	2.19.1	RPM
HTML Tidy	1.1	RPM
IMAP	2007f	RPM
jQuery 3.2.0	3.2.0	RPM
Libmcrypt	2.5.8	RPM
libspf2	1.2.10	RPM
libsrs_alt SRS library	1.0	RPM
Mongrel	1.1.5	src/3rdparty/ruby/gems
MyDNS	1.2.8.31	RPM
MySQL®	5.1.73	RPM
MySQL® 5.5	5.5.62	RPM
MySQL® 5.6	5.6.42	RPM
NSD	3.2.18	RPM
Open Sans	1.0	RPM
p0f	3.09b	RPM
PigZ	2.4	RPM
PostgreSQL	9.2.24	RPM
ProFTPd	1.3.6	RPM
Pure-FTP	1.0.47	RPM
PuttyGen	0.70	RPM
Rack	1.1.6	src/3rdparty/ruby/gems
re2c	1.1.1	RPM
RequireJS	2.1.14	RPM
rpm_is_working	1.0	RPM
RRDs	v1.5.5	RPM
rrdtool	1.5.5	RPM
site-publisher-templates	1.0	RPM
splitlogs	1.0	RPM
User::Perl	1.0	RPM
Webalizer	2.23_08	RPM

yui (Yahoo User Experience Tools)	2.9.0	RPM
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## PHP Modules

cPanel & WHM version 78 includes the following PHP modules:

▼ [Click here to view the full list of PHP modules...](#)

▼ [Third-party PHP modules: CentOS, CloudLinux™, or RHEL® 6 or 7, 64-bit architecture...](#)

Third-party application	Version	Source
Auth_SASL	1.0.6	RPM
Cache	1.5.6	RPM
Console_Color	1.0.3	RPM
Console_Table	1.1.5	RPM
content	2.0.6	RPM
cpanel-php72	7.2.7	RPM
Date	1.4.7	RPM
Date_Holidays	0.21.8	RPM
Date_Holidays_Australia	0.2.1	RPM
Date_Holidays_Austria	0.1.5	RPM
Date_Holidays_Brazil	0.1.2	RPM
Date_Holidays_Croatia	0.1.1	RPM
Date_Holidays_Czech	0.1.0	RPM
Date_Holidays_Denmark	0.1.3	RPM
Date_Holidays_EnglandWales	0.1.5	RPM
Date_Holidays_Finland	0.1.2	RPM
Date_Holidays_Germany	0.1.2	RPM
Date_Holidays_Iceland	0.1.2	RPM
Date_Holidays_Ireland	0.1.3	RPM
Date_Holidays_Italy	0.1.1	RPM
Date_Holidays_Japan	0.1.2	RPM
Date_Holidays_Netherlands	0.1.3	RPM
Date_Holidays_Norway	0.1.2	RPM
Date_Holidays_PHPdotNet	0.1.2	RPM
Date_Holidays_Portugal	0.1.0	RPM
Date_Holidays_Romania	0.1.2	RPM
Date_Holidays_Russia	0.1.0	RPM
Date_Holidays_SanMarino	0.1.1	RPM
Date_Holidays_Serbia	0.1.0	RPM
Date_Holidays_Slovenia	0.1.2	RPM

Date_Holidays_Spain	0.1.3	RPM
Date_Holidays_Sweden	0.1.3	RPM
Date_Holidays_Turkey	0.1.1	RPM
Date_Holidays_Ukraine	0.1.2	RPM
Date_Holidays_UNO	0.1.3	RPM
Date_Holidays_USA	0.1.1	RPM
Date_Holidays_Venezuela	0.1.1	RPM
DB	1.7.14	RPM
File	1.4.1	RPM
File_Find	1.3.2	RPM
File_Fstab	2.0.3	RPM
Horde Groupware Webmail Edition	5.2.18	RPM
Horde_Alarm	2.2.10	RPM
Horde_Argv	2.1.0	RPM
Horde_Auth	2.2.2	RPM
Horde_Autoloader	2.1.2	RPM
Horde_Browser	2.0.15	RPM
Horde_Cache	2.5.5	RPM
Horde_Cli	2.3.0	RPM
Horde_Compress	2.2.1	RPM
Horde_Compress_Fast	1.1.1	RPM
Horde_Constraint	2.0.3	RPM
Horde_Controller	2.0.5	RPM
Horde_Core	2.31.3	RPM
Horde_Crypt	2.7.12	RPM
Horde_Crypt_Blowfish	1.1.2	RPM
Horde_Css_Parser	1.0.11	RPM
Horde_CssMinify	1.0.4	RPM
Horde_Data	2.1.4	RPM
Horde_Date	2.4.1	RPM
Horde_Date_Parser	2.0.6	RPM
Horde_Dav	1.1.4	RPM
Horde_Db	2.4.0	RPM
Horde_Editor	2.0.5	RPM
Horde_ElasticSearch	1.0.4	RPM
Horde_Exception	2.0.8	RPM
Horde_Feed	2.0.4	RPM

Horde_Form	2.0.18	RPM
Horde_Group	2.1.1	RPM
Horde_HashTable	1.2.6	RPM
Horde_History	2.3.6	RPM
Horde_Http	2.1.7	RPM
Horde_Icalendar	2.1.8	RPM
Horde_Idna	1.1.1	RPM
Horde_Image	2.5.3	RPM
Horde_Imap_Client	2.29.16	RPM
Horde_Imsp	2.0.10	RPM
Horde_Injector	2.0.5	RPM
Horde_Itip	2.1.2	RPM
Horde_JavascriptMinify	1.1.5	RPM
Horde_Kolab_Format	2.0.9	RPM
Horde_Kolab_Session	2.0.3	RPM
Horde_ListHeaders	1.2.5	RPM
Horde_Lock	2.1.4	RPM
Horde_Log	2.3.0	RPM
Horde_LoginTasks	2.0.7	RPM
horde_lz4	1.0.10	RPM
Horde_Mail	2.6.4	RPM
Horde_Mail_Autoconfig	1.0.3	RPM
Horde_Mime	2.11.0	RPM
Horde_Mime_Viewer	2.2.2	RPM
Horde_Nls	2.2.1	RPM
Horde_Notification	2.0.4	RPM
Horde_Oauth	2.0.4	RPM
Horde_Pack	1.0.7	RPM
Horde_Pdf	2.0.7	RPM
Horde_P perms	2.1.7	RPM
Horde_Prefs	2.9.0	RPM
Horde_Queue	1.1.5	RPM
Horde_Rdo	2.1.0	RPM
Horde_Role	1.0.1	RPM
Horde_Routes	2.0.5	RPM
Horde_Rpc	2.1.8	RPM
Horde_Secret	2.0.6	RPM

Horde_Serialize	2.0.5	RPM
Horde_Service_Facebook	2.0.10	RPM
Horde_Service_Twitter	2.1.6	RPM
Horde_SessionHandler	2.2.9	RPM
Horde_Share	2.2.0	RPM
Horde_Smtp	1.9.5	RPM
Horde_Socket_Client	2.1.2	RPM
Horde_SpellChecker	2.1.3	RPM
Horde_Stream	1.6.3	RPM
Horde_Stream_Filter	2.0.4	RPM
Horde_Stream_Wrapper	2.1.4	RPM
Horde_Support	2.2.0	RPM
Horde_SyncMl	2.0.7	RPM
Horde_Template	2.0.3	RPM
Horde_Text_Diff	2.2.0	RPM
Horde_Text_Filter	2.3.5	RPM
Horde_Text_Flowed	2.0.3	RPM
Horde_Timezone	1.1.0	RPM
Horde-Token	2.0.9	RPM
Horde_Translation	2.2.2	RPM
Horde_Tree	2.0.5	RPM
Horde_Url	2.2.6	RPM
Horde_Util	2.5.8	RPM
Horde_Vfs	2.4.0	RPM
Horde_View	2.0.6	RPM
Horde_Xml_Element	2.0.4	RPM
Horde_Xml_Wbxml	2.0.3	RPM
Horde_Yaml	2.0.7	RPM
HTML_Template_IT	1.3.0	RPM
HTTP	1.4.1	RPM
HTTP_Request	1.4.4	RPM
HTTP_WebDAV_Server	1.0.0RC8	RPM
imp	6.2.22	RPM
ingo	3.2.16	RPM
ionCube Loader	10.2.2	RPM
Kronolith	4.2.24	RPM
Log	1.12.7	RPM

Mail	1.2.0	RPM
Mail_Mime	1.8.3	RPM
MDB2	2.4.1	RPM
Mnemo	4.2.14	RPM
nag	4.2.18	RPM
Net_DNS2	1.4.1	RPM
Net_FTP	1.3.7	RPM
Net_IMAP	1.1.2	RPM
Net_Sieve	1.3.2	RPM
Net_SMTP	1.6.2	RPM
Net_Socket	1.0.14	RPM
Net_URL	1.0.15	RPM
Net_UserAgent_Detect	2.5.2	RPM
PEAR_Command_Packaging	0.3.0	RPM
Services_Weather	1.4.7	RPM
SOAP	0.13.0	RPM
SourceGuardian PHP Encoder	11.2	RPM
Text_Figlet	1.0.2	RPM
timeobjects	2.1.4	RPM
trean	1.1.9	RPM
turba	4.2.22	RPM
webmail	5.2.22	RPM
XML_Parser	1.3.4	RPM
XML_RPC	1.5.5	RPM
XML_Serializer	0.20.2	RPM
XML_SVG	1.1.0	RPM

## Perl modules

cPanel & WHM version 78 includes the following Perl modules:

✓ [Click here to view the full list of Perl modules...](#)

✓ [Third-party Perl modules: CentOS, CloudLinux™, or RHEL® 6 or 7, 64-bit architecture...](#)

Third-party application	Version	Source
ack	2.24	RPM
Acme::Bleach	1.150	RPM
Acme::Damn	0.08	RPM
Acme::Spork	v0.0.8	RPM
Algorithm::C3	0.10	RPM

Algorithm::Combinatorics	0.27	RPM
Algorithm::Dependency	1.110	RPM
Algorithm::Diff	1.1903	RPM
aliased	0.34	RPM
Alien::Build	1.48	RPM
Alien::GMP	1.14	RPM
Amazon::S3	0.45	RPM
Any::URI::Escape	0.01	RPM
AnyEvent::RabbitMQ	1.19	RPM
AnyEvent::XMPP	0.55	RPM
AnyEvent	7.14	RPM
Apache SpamAssassin	3.004002	RPM
Apache::LogFormat::Compiler	0.35	RPM
App::Cmd	0.331	RPM
App::CmdDispatch	0.43	RPM
App::cpanminus	1.7044	RPM
App::Nopaste	1.012	RPM
App::perlbrew	0.84	RPM
App::Prove::Plugin::Elasticsearch	0.001	RPM
AppConfig	1.71	RPM
Archive::Any::Lite	0.11	RPM
Archive::Any	0.0945	RPM
Archive::Extract	0.80	RPM
Archive::Tar::Builder	2.5002	RPM
Archive::Tar::Streamed	0.03	RPM
Archive::Tar::Wrapper	0.33	RPM
Archive::Zip	1.64	RPM
ARGV::Struct	0.05	RPM
Array::Base	0.006	RPM
Array::Diff	0.07	RPM
Array::Utils	0.5	RPM
Attribute::Util	1.07	RPM
Authen::Libwrap	0.23	RPM
Authen::PAM	0.16	RPM
Authen::SASL	2.16	RPM
autobox::Core	1.33	RPM
autobox	v3.0.1	RPM

autouse	1.11	RPM
B::C	5.028001	RPM
B::Debug	1.26	RPM
B::Flags	0.17	RPM
B::Hooks::EndOfScope	0.24	RPM
B::Hooks::OP::Check	0.22	RPM
B::Keywords	1.19	RPM
B::Lint	1.20	RPM
B::Utils	0.27	RPM
bareword::filehandles	0.006	RPM
Bit::Vector	7.4	RPM
Browser::Open	0.04	RPM
BSD::Resource	1.2911	RPM
Build::PPK	0.03	RPM
Business::CreditCard	0.36	RPM
Business::ISBN::Data	20140910.003	RPM
Business::ISBN	3.004	RPM
Business::MaxMind	1.60	RPM
Business::OnlinePayment::AuthorizeNet	3.23	RPM
Business::OnlinePayment	3.05	RPM
Business::UPS	2.01	RPM
Bytes::Random::Secure::Tiny	1.008	RPM
Bytes::Random::Secure	0.29	RPM
Cache::Cache	1.08	RPM
Cache::FastMmap	1.47	RPM
Cache::Memcached::Fast	0.25	RPM
Cache::Memcached::GetParserXS	0.01	RPM
Cache::Memcached	1.30	RPM
Call::Context	0.02	RPM
Canary::Stability	2012	RPM
Capture::Tiny	0.48	RPM
Carp::Always	0.16	RPM
Carp::Assert::More	1.16	RPM
Carp::Assert	0.21	RPM
Carp::Clan	6.06	RPM
Carp::REPL	0.18	RPM
Catalyst::Action::RenderView	0.16	RPM



Catalyst::Action::REST	1.21	RPM
Catalyst::ActionRole::ACL	0.07	RPM
Catalyst::Authentication::Store::DBIx::Class	0.1506	RPM
Catalyst::Component::InstancePerContext	0.001001	RPM
Catalyst::Controller::ActionRole	0.17	RPM
Catalyst::Devel	1.39	RPM
Catalyst::Model::DBIC::Schema	0.65	RPM
Catalyst::Plugin::Authentication	0.10023	RPM
Catalyst::Plugin::Authorization::Roles	0.09	RPM
Catalyst::Plugin::AutoCRUD	2.200002	RPM
Catalyst::Plugin::Cache::FastMmap	0.9	RPM
Catalyst::Plugin::Cache	0.12	RPM
Catalyst::Plugin::ConfigLoader	0.34	RPM
Catalyst::Plugin::HashedCookies	1.131710	RPM
Catalyst::Plugin::Redirect	0.02	RPM
Catalyst::Plugin::Session::State::Cookie	0.17	RPM
Catalyst::Plugin::Session::Store::FastMmap	0.16	RPM
Catalyst::Plugin::Session	0.40	RPM
Catalyst::Plugin::StackTrace	0.12	RPM
Catalyst::Plugin::Static::Simple	0.36	RPM
Catalyst::Plugin::UploadProgress	0.06	RPM
Catalyst::Runtime	5.90118	RPM
Catalyst::TraitFor::Request::BrowserDetect	0.02	RPM
Catalyst::View::JSON	0.36	RPM
Catalyst::View::TT	0.44	RPM
CatalystX::Component::Traits	0.19	RPM
CatalystX::REPL	0.04	RPM
CatalystX::RoleApplicator	0.005	RPM
CDB_File	0.99	RPM
CGI::Application::Dispatch	3.12	RPM
CGI::Application::Plugin::AutoRunmode	0.18	RPM
CGI::Application::Plugin::Config::Simple	1.01	RPM
CGI::Application::Plugin::Forward	1.06	RPM
CGI::Application::Plugin::Session	1.05	RPM
CGI::Application::Plugin::TT	1.05	RPM
CGI::Application::Plugin::ValidateQuery	1.05	RPM
CGI::Application::Plugin::ValidateRM	2.5	RPM

CGI::Application::PSGI	1.00	RPM
CGI::Application	4.61	RPM
CGI::Compile	0.22	RPM
CGI::Deurl::XS	0.08	RPM
CGI::Emulate::PSGI	0.23	RPM
CGI::PSGI	0.15	RPM
CGI::Session::Serialize::yaml	4.26	RPM
CGI::Session	4.48	RPM
CGI::Simple	1.16	RPM
CGI::SpeedyCGI	2.22	RPM
CGI::Struct	1.21	RPM
CGI	4.40	RPM
Chart::PNGgraph	1.21	RPM
Class::Accessor::Chained	0.01	RPM
Class::Accessor::Grouped	0.10014	RPM
Class::Accessor::Lite::Lazy	0.03	RPM
Class::Accessor::Lite	0.08	RPM
Class::Accessor	0.51	RPM
Class::Base	0.09	RPM
Class::C3::Adopt::NEXT	0.14	RPM
Class::C3::Componentised	1.001002	RPM
Class::C3	0.34	RPM
Class::Data::Inheritable	0.08	RPM
Class::ErrorHandler	0.04	RPM
Class::Factory::Util	1.7	RPM
Class::Inner	0.200001	RPM
Class::InsideOut	1.14	RPM
Class::Inspector	1.32	RPM
Class::ISA	0.36	RPM
Class::Load::XS	0.10	RPM
Class::Load	0.25	RPM
Class::Loader	2.03	RPM
Class::Method::Modifiers	2.12	RPM
Class::MethodMaker	2.24	RPM
Class::Singleton	1.5	RPM
Class::Std::Utils	v0.0.3	RPM
Class::Std	0.013	RPM

Class::Tiny::Chained	0.004	RPM
Class::Tiny	1.006	RPM
Class::Trigger	0.14	RPM
Class::Unload	0.11	RPM
Class::XSAccessor	1.19	RPM
Clipboard	0.13	RPM
Clone::Choose	0.010	RPM
Clone::PP	1.07	RPM
Clone	0.39	RPM
common::sense	3.74	RPM
Compress::Bzip2	2.26	RPM
Compress::Raw::Lzma	2.082	RPM
Config::Any	0.32	RPM
Config::Crontab	1.45	RPM
Config::General	2.63	RPM
Config::GitLike	1.17	RPM
Config::Identity	0.0019	RPM
Config::INI	0.025	RPM
Config::MVP::Reader::INI	2.101463	RPM
Config::MVP	2.200011	RPM
Config::Simple	4.58	RPM
Config::Tiny	2.23	RPM
Context::Preserve	0.03	RPM
Contextual::Return	0.004014	RPM
Convert::ASCII::Armour	1.4	RPM
Convert::ASN1	0.27	RPM
Convert::BinHex	1.125	RPM
Convert::PEM	0.08	RPM
Convert::TNEF	0.18	RPM
Cookie::Baker	0.09	RPM
CPAN::Changes	0.400002	RPM
CPAN::DistnameInfo	0.12	RPM
CPAN::Meta::Check	0.014	RPM
CPAN::Meta::Requirements	2.140	RPM
CPAN::Perl::Releases	3.74	RPM
CPAN::SQLite	0.212	RPM
CPAN::Uploader	0.103013	RPM

cpanel-perl-528	5.28.0	RPM
Cpanel::Class	v1.0.6	RPM
Cpanel::Cleanup	0.4	RPM
Cpanel::CORE::Dependencies	2.0	RPM
Cpanel::JSON::XS	4.06	RPM
cPanel::MemTest	0.3	RPM
Cpanel::Optimizer	0.3	RPM
Cpanel::OS	0.9	RPM
Cpanel::POSIX::Tiny	1.3	RPM
cPanel::PublicAPI	v2.2.1	RPM
cPanel::SyncUtil	0.8	RPM
cPanel::TaskQueue	0.902	RPM
Cpanel::UniqId	0.2	RPM
Crypt::Blowfish	2.14	RPM
Crypt::CAST5_PP	1.04	RPM
Crypt::CBC	2.33	RPM
Crypt::Cracklib	1.7	RPM
Crypt::Curve25519	0.06	RPM
Crypt::DES	2.07	RPM
Crypt::DES_EDE3	0.01	RPM
Crypt::DH	0.07	RPM
Crypt::DSA	1.17	RPM
Crypt::Ed25519	1.04	RPM
Crypt::Format	0.09	RPM
Crypt::GPG	1.64	RPM
Crypt::IDEA	1.10	RPM
Crypt::JWT	0.023	RPM
Crypt::OpenPGP	1.12	RPM
Crypt::OpenSSL::Bignum	0.09	RPM
Crypt::OpenSSL::DSA	0.19	RPM
Crypt::OpenSSL::Guess	0.11	RPM
Crypt::OpenSSL::PKCS10	0.16	RPM
Crypt::OpenSSL::PKCS12	1.0	RPM
Crypt::OpenSSL::Random	0.15	RPM
Crypt::OpenSSL::RSA	0.31	RPM
Crypt::OpenSSL::X509	1.809	RPM
Crypt::Passwd::XS	0.601	RPM

Crypt::PKCS10	1.9	RPM
Crypt::Primes	0.50	RPM
Crypt::Random::Seed	0.03	RPM
Crypt::Random::Source	0.14	RPM
Crypt::Random::TESHA2	0.01	RPM
Crypt::Random	1.25	RPM
Crypt::RC4	2.02	RPM
Crypt::Rijndael	1.13	RPM
Crypt::Rijndael_PP	0.05	RPM
Crypt::RIPEMD160	0.06	RPM
Crypt::RSA::Parse	0.044	RPM
Crypt::RSA	1.99	RPM
Crypt::SaltedHash	0.09	RPM
Crypt::SmbHash	0.12	RPM
Crypt::SSLeay	0.72	RPM
Crypt::Twofish	2.17	RPM
Crypt::URandom	0.36	RPM
Crypt::X509	0.51	RPM
CryptX	0.061	RPM
CSS::Simple	3224	RPM
CSS::SpriteMaker	1.01	RPM
curry	1.001000	RPM
Curses::UI	0.9609	RPM
Curses	1.36	RPM
Cwd::Guard	0.05	RPM
Dancer2::Plugin::Auth::Extensible	0.705	RPM
Dancer2::Plugin::Auth::Tiny	0.008	RPM
Dancer2::Plugin::DBIC	0.0100	RPM
Dancer2::Plugin::JWT	0.015	RPM
Dancer2::Plugin::REST	1.02	RPM
Dancer2::Session::Cookie	0.009	RPM
Dancer2::Session::Memcached	0.007	RPM
Dancer2::Session::PSGI	0.010	RPM
Dancer2	0.206000	RPM
Dancer	1.3400	RPM
Danga::Socket	1.61	RPM
Data::Buffer	0.04	RPM

Data::Compare	1.25	RPM
Data::Dump::Streamer	2.40	RPM
Data::Dump	1.23	RPM
Data::Dumper::Concise	2.023	RPM
Data::FormValidator::Constraints::CreditCard	0.02	RPM
Data::FormValidator	4.88	RPM
Data::Localize	0.00027	RPM
Data::MessagePack	1.00	RPM
Data::Munge	0.097	RPM
Data::OptList	0.110	RPM
Data::Page	2.02	RPM
Data::Password	1.12	RPM
Data::Perl	0.002009	RPM
Data::Printer	0.40	RPM
Data::Random	0.13	RPM
Data::Rmap	0.65	RPM
Data::Section	0.200007	RPM
Data::Serializer	0.60	RPM
Data::Structure::Util	0.16	RPM
Data::Util	0.66	RPM
Data::UUID	1.221	RPM
Data::Validate::Domain	0.14	RPM
Data::Validate::IP	0.27	RPM
Data::Validate::URI	0.07	RPM
Data::Validate	0.09	RPM
Data::Validator	1.07	RPM
Data::Visitor	0.30	RPM
Date::Calc	6.4	RPM
Date::Manip	6.73	RPM
Date::Simple	3.03	RPM
DateTime::Format::Builder	0.81	RPM
DateTime::Format::DateParse	0.05	RPM
DateTime::Format::ISO8601	0.08	RPM
DateTime::Format::Mail	0.403	RPM
DateTime::Format::MySQL	0.06	RPM
DateTime::Format::Pg	0.16013	RPM
DateTime::Format::Strptime	1.75	RPM

DateTime::Locale	1.22	RPM
DateTime::TimeZone	2.19	RPM
DateTime	1.50	RPM
DBD::Mock	1.45	RPM
DBD::mysql	4.048	RPM
DBD::Pg	3.7.4	RPM
DBD::PgPP	0.08	RPM
DBD::SQLite2	0.37	RPM
DBD::SQLite	1.58	RPM
DBI	1.641	RPM
DBICx::Sugar	0.0200	RPM
DBIx::Class::InflateColumn::Serializer	0.09	RPM
DBIx::Class::IntrospectableM2M	0.001002	RPM
DBIx::Class::Schema::Loader	0.07049	RPM
DBIx::Class	0.082841	RPM
DBIx::MyParsePP	0.51	RPM
DBIx::Profile	1.0	RPM
DBIx::Timeout	1.01	RPM
Devel::CallChecker	0.008	RPM
Devel::Caller	2.06	RPM
Devel::CallParser	0.002	RPM
Devel::CheckBin	0.04	RPM
Devel::CheckCompiler	0.07	RPM
Devel::CheckLib	1.13	RPM
Devel::CheckOS	1.81	RPM
Devel::Cover::Report::Coveralls	0.11	RPM
Devel::Cover	1.31	RPM
Devel::Cycle	1.12	RPM
Devel::FindPerl	0.014	RPM
Devel::GlobalDestruction::XS	0.03	RPM
Devel::GlobalDestruction	0.14	RPM
Devel::GlobalPhase	0.003003	RPM
Devel::Hide	0.0010	RPM
Devel::Leak	0.03	RPM
Devel::LexAlias	0.05	RPM
Devel::NYTProf	6.06	RPM
Devel::OverloadInfo	0.005	RPM

Devel::PatchPerl	1.52	RPM
Devel::PPPort	3.43	RPM
Devel::QuickCover	0.900010	RPM
Devel::REPL	1.003028	RPM
Devel::SimpleTrace	0.08	RPM
Devel::Size	0.82	RPM
Devel::StackTrace::AsHTML	0.15	RPM
Devel::StackTrace::WithLexicals	2.01	RPM
Devel::StackTrace	2.03	RPM
Devel::Syndump	2.18	RPM
Devel::Trace	0.12	RPM
Devel::TraceUse	2.095	RPM
Diff::LibXDiff	0.05	RPM
Digest::BubbleBabble	0.02	RPM
Digest::FNV	2.00	RPM
Digest::HMAC	1.03	RPM
Digest::MD2	2.04	RPM
Digest::MD4	1.9	RPM
Digest::MD5::File	0.08	RPM
Digest::MurmurHash	0.11	RPM
Digest::Perl::MD5	1.9	RPM
Digest::SHA1	2.13	RPM
Directory::Queue	2.0	RPM
Dist::CheckConflicts	0.11	RPM
Dist::Zilla::Plugin::Config::Git	0.92	RPM
Dist::Zilla::Plugin::Git	2.045	RPM
Dist::Zilla::Plugin::GitHub	0.47	RPM
Dist::Zilla::Plugin::PerlTidy	0.21	RPM
Dist::Zilla::Plugin::PodWeaver	4.008	RPM
Dist::Zilla::Plugin::Prereqs::FromCPANfile	0.08	RPM
Dist::Zilla::Plugin::ReadmeAnyFromPod	0.163250	RPM
Dist::Zilla::Plugin::Repository	0.23	RPM
Dist::Zilla::Plugin::Test::Perl::Critic	3.001	RPM
Dist::Zilla::Role::FileWatcher	0.006	RPM
Dist::Zilla	6.012	RPM
Dumbbench	0.111	RPM
DynaLoader::Functions	0.003	RPM



Email::Abstract	3.008	RPM
Email::Address::XS	1.04	RPM
Email::Address	1.909	RPM
Email::Date::Format	1.005	RPM
Email::MessageID	1.406	RPM
Email::MIME::ContentType	1.022	RPM
Email::MIME::Encodings	1.315	RPM
Email::MIME	1.946	RPM
Email::Send	2.201	RPM
Email::Sender	1.300031	RPM
Email::Simple	2.216	RPM
Email::Valid	1.202	RPM
Encode::Detect	1.01	RPM
Encode::Locale	1.05	RPM
Encode	2.98	RPM
Encoding::BER	1.02	RPM
Env::Path	0.19	RPM
Error	0.17026	RPM
EV	4.22	RPM
Eval::Closure	0.14	RPM
Exception::Class	1.44	RPM
Exception::Tiny	v0.2.1	RPM
Expect::Simple	0.04	RPM
Expect	1.35	RPM
Exporter::Declare	0.114	RPM
Exporter::Lite	0.08	RPM
Exporter::Tiny	1.002001	RPM
ExtUtils::Config	0.008	RPM
ExtUtils::Depends	0.405	RPM
ExtUtils::Helpers	0.026	RPM
ExtUtils::InstallPaths	0.012	RPM
ExtUtils::MakeMaker::CPANfile	0.08	RPM
ExtUtils::PkgConfig	1.16	RPM
FCGI	0.78	RPM
Fennec::Lite	0.004	RPM
FFI::CheckLib	0.20	RPM
File::BaseDir	0.08	RPM

File::ChangeNotify	0.28	RPM
File::chdir	0.1010	RPM
File::CheckTree	4.42	RPM
File::Comments	0.08	RPM
File::Copy::Recursive::Reduced	0.006	RPM
File::Copy::Recursive	0.44	RPM
File::DesktopEntry	0.22	RPM
File::Find::Object	v0.3.2	RPM
File::Find::Rule::Filesys::Virtual	1.22	RPM
File::Find::Rule::Perl	1.15	RPM
File::Find::Rule	0.34	RPM
File::Find::Upwards	1.102030	RPM
File::FnMatch	0.02	RPM
File::HomeDir	1.004	RPM
File::Listing	6.04	RPM
File::MimeInfo	0.29	RPM
File::MMagic::XS	0.09008	RPM
File::MMagic	1.30	RPM
File::Next	1.16	RPM
File::NFSLock	1.27	RPM
File::Path::Expand	1.02	RPM
File::Path::Tiny	0.9	RPM
File::PathList	1.04	RPM
File::pushd	1.016	RPM
File::ReadBackwards	1.05	RPM
File::Remove	1.57	RPM
File::Rename	1.00	RPM
File::Rsync	0.49	RPM
File::Scan::ClamAV	1.95	RPM
File::SearchPath	0.07	RPM
File::Share	0.25	RPM
File::ShareDir::Install	0.13	RPM
File::ShareDir::ProjectDistDir	1.000009	RPM
File::ShareDir	1.116	RPM
File::Slurp::Tiny	0.004	RPM
File::Slurp	9999.19	RPM
File::Slurper	0.012	RPM

File::Tail	1.3	RPM
File::Temp	0.2308	RPM
File::Touch	0.11	RPM
File::Which	1.22	RPM
Filesys::Df	0.92	RPM
Filesys::Notify::Simple	0.13	RPM
Filesys::POSIX	v0.9.19	RPM
Filesys::Statvfs	0.82	RPM
Filesys::Virtual::Plain	0.10	RPM
Filesys::Virtual	0.06	RPM
Filter	1.59	RPM
Font::AFM	1.20	RPM
Font::TTF	1.06	RPM
forks	0.36	RPM
Frontier::RPC	0.07	RPM
Furl	3.13	RPM
GD	2.69	RPM
GDGraph	1.54	RPM
GDTextUtil	0.86	RPM
Gearman	v2.4.15	RPM
Geo::Distance	0.20	RPM
Geo::IP	1.51	RPM
Geo::IPfree	1.151940	RPM
Geography::Countries	2009041301	RPM
Getopt::Euclid	0.004005	RPM
Getopt::Long::Descriptive	0.103	RPM
Getopt::Param::Tiny	0.5	RPM
Getopt::Param	0.0.5	RPM
GIFgraph	1.20	RPM
Git::Raw	0.81	RPM
Git::Repository::Plugin::Dirty	0.01	RPM
Git::Repository	1.322	RPM
Git::Version::Compare	1.004	RPM
Git::Wrapper	0.048	RPM
GnuPG::Interface	0.52	RPM
goto::file	0.005	RPM
Graph::Easy::As_svg	0.27	RPM

Graph::Easy::Manual	0.41	RPM
Graph::Easy	0.76	RPM
Graph::Flowchart	0.11	RPM
GSSAPI	0.28	RPM
Guard	1.023	RPM
Hash::AsObject	0.13	RPM
Hash::Flatten	1.19	RPM
Hash::Merge::Simple	0.051	RPM
Hash::Merge	0.300	RPM
Hash::MultiValue	0.16	RPM
Hash::Util::FieldHash::Compat	0.11	RPM
Hook::LexWrap	0.26	RPM
HTML::FillInForm::Lite	1.15	RPM
HTML::FillInForm	2.21	RPM
HTML::Form	6.03	RPM
HTML::Formatter	2.16	RPM
HTML::Parser	3.72	RPM
HTML::Scrubber	0.17	RPM
HTML::StripTags	1.01	RPM
HTML::Tagset	3.20	RPM
HTML::Template	2.97	RPM
HTML::Tree	5.07	RPM
HTML::TreeBuilder::XPath	0.14	RPM
HTTP::Body	1.22	RPM
HTTP::BrowserDetect	3.16	RPM
HTTP::CookieJar	0.008	RPM
HTTP::Cookies	6.04	RPM
HTTP::Daemon::App	v0.0.9	RPM
HTTP::Daemon::SSL	1.04	RPM
HTTP::Daemon	6.01	RPM
HTTP::Date	6.02	RPM
HTTP::DAV	0.48	RPM
HTTP::Entity::Parser	0.21	RPM
HTTP::Exception	0.04007	RPM
HTTP::Headers::Fast	0.21	RPM
HTTP::Message	6.18	RPM
HTTP::MultiPartParser	0.02	RPM

HTTP::Negotiate	6.01	RPM
HTTP::Parser::XS	0.17	RPM
HTTP::Request::AsCGI	1.2	RPM
HTTP::Response::CGI	1.0	RPM
HTTP::Response::Stringable	0.0002	RPM
HTTP::Server::Simple::PSGI	0.16	RPM
HTTP::Server::Simple	0.52	RPM
HTTP::ServerEvent	0.02	RPM
HTTP::Thin	0.006	RPM
HTTP::Tiny::UA	0.006	RPM
HTTP::XSCookies	0.000021	RPM
HTTP::XSHeaders	0.400003	RPM
Image::Base	1.17	RPM
Image::Info	1.41	RPM
Image::Size	3.300	RPM
Image::Xbm	1.10	RPM
Image::Xpm	1.13	RPM
Import::Into	1.002005	RPM
Importer	0.025	RPM
indirect	0.38	RPM
Inline::Python	0.56	RPM
Inline	0.80	RPM
IO::AIO	4.6	RPM
IO::All	0.87	RPM
IO::Callback	1.12	RPM
IO::Capture	0.05	RPM
IO::CaptureOutput	1.1104	RPM
IO::CloseFDs	1.01	RPM
IO::FDPass	1.2	RPM
IO::Framed	0.14	RPM
IO::HTML	1.001	RPM
IO::Interactive::Tiny	0.2	RPM
IO::Interactive	1.022	RPM
IO::Interface	1.09	RPM
IO::Pipely	0.005	RPM
IO::Prompt	0.997004	RPM
IO::Prompter	0.004014	RPM

IO::SessionData	1.03	RPM
IO::SigGuard	0.12	RPM
IO::Socket::ByteCounter	v0.0.2	RPM
IO::Socket::INET6	2.72	RPM
IO::Socket::IP	0.39	RPM
IO::Socket::PortState	0.03	RPM
IO::Socket::SSL	2.060	RPM
IO::Socket::Timeout	0.32	RPM
IO::String	1.08	RPM
IO::stringy	2.111	RPM
IO::Stty	0.03	RPM
IO::TieCombine	1.005	RPM
IO::Tty	1.12	RPM
IP::Country	2.28	RPM
IPC::Pipeline	1.0	RPM
IPC::Run3	0.048	RPM
IPC::Run	20180523.0	RPM
IPC::ShareLite	0.17	RPM
IPC::Signal	1.00	RPM
IPC::System::Simple	1.25	RPM
JavaScript::Minifier	1.14	RPM
JIRA::REST	0.019	RPM
JSON::Any	1.39	RPM
JSON::DWIW	0.47	RPM
JSON::MaybeXS	1.004000	RPM
JSON::WebToken	0.10	RPM
JSON::XS	3.04	RPM
JSON	2.97001	RPM
Lchown	1.01	RPM
Lexical::Persistence	1.023	RPM
Lexical::SealRequireHints	0.011	RPM
lib::restrict	v0.0.5	RPM
libwww::perl	6.35	RPM
libxml::perl	0.08	RPM
Lingua::EN::FindNumber	1.32	RPM
Lingua::EN::Inflect::Number	1.12	RPM
Lingua::EN::Inflect::Phrase	0.20	RPM

Lingua::EN::Inflect	1.903	RPM
Lingua::EN::Number::IsOrdinal	0.05	RPM
Lingua::EN::Tagger	0.30	RPM
Lingua::EN::Words2Nums	0.18	RPM
Lingua::PT::Stemmer	0.02	RPM
Lingua::Stem::Fr	0.02	RPM
Lingua::Stem::It	0.02	RPM
Lingua::Stem::Ru	0.04	RPM
Lingua::Stem::Snowball::Da	1.01	RPM
Lingua::Stem	0.84	RPM
Linux::Ext2::FileAttributes	0.01	RPM
Linux::Inotify2	1.22	RPM
List::AllUtils	0.14	RPM
List::Cycle	1.02	RPM
List::MoreUtils::XS	0.428	RPM
List::MoreUtils	0.428	RPM
List::SomeUtils::XS	0.58	RPM
List::SomeUtils	0.56	RPM
List::UtilsBy	0.11	RPM
local::lib	2.000024	RPM
Locale::Currency::Format	1.35	RPM
Locale::Maketext::Pseudo	0.6	RPM
Locale::Maketext::Utils	0.42	RPM
Locale::Object	0.79	RPM
Locales	0.34	RPM
Log::Any::Adapter::Callback	0.09	RPM
Log::Any::Adapter::Log4perl	0.09	RPM
Log::Any	1.707	RPM
Log::Dispatch::Array	1.003	RPM
Log::Dispatch::FileRotate	1.36	RPM
Log::Dispatch	2.68	RPM
Log::Dispatchouli	2.016	RPM
Log::Log4perl::DataDumper	0.01	RPM
Log::Log4perl	1.49	RPM
Log::Message::Simple	0.10	RPM
Log::Message	0.08	RPM
Log::Minimal	0.19	RPM

Log::Trace	1.070	RPM
LWP::MediaTypes	6.02	RPM
LWP::Online	1.08	RPM
LWP::Protocol::https	6.07	RPM
LWP::Protocol::PSGI	0.10	RPM
LWP::UserAgent::Determined	1.07	RPM
LWP::UserAgent::DNS::Hosts	0.13	RPM
Mail::Alias::Reader	0.06	RPM
Mail::DKIM	0.53	RPM
Mail::IMAPClient	3.39	RPM
Mail::POP3Client	2.19	RPM
Mail::Pyzor	0.01	RPM
Mail::SendEasy	1.2	RPM
Mail::Sender::Easy	v0.0.5	RPM
Mail::Sender	0.903	RPM
Mail::Sendmail	0.80	RPM
Mail::SPF	v2.9.0	RPM
Mail::SRS	0.31	RPM
MailTools	2.20	RPM
Math::Base85	0.4	RPM
Math::Base::Convert	0.11	RPM
Math::BigInt::GMP	1.6005	RPM
Math::BigInt::Pari	1.3004	RPM
Math::BigInt	1.999813	RPM
Math::Combinatorics	0.09	RPM
Math::Fibonacci::Phi	0.02	RPM
Math::Fibonacci	1.5	RPM
Math::GMP	2.19	RPM
Math::Pari	2.030506	RPM
Math::Permute::List	1.007	RPM
Math::Prime::Util::GMP	0.51	RPM
Math::Prime::Util	0.71	RPM
Math::Random::ISAAC::XS	1.004	RPM
Math::Random::ISAAC	1.004	RPM
Math::Random::Secure	0.080001	RPM
Math::Round	0.07	RPM
MCE::Shared	1.839	RPM



MCE	1.837	RPM
MD5	2.03	RPM
Memoize::ExpireLRU	0.56	RPM
Meta::Builder	0.003	RPM
MIME::Base32	1.303	RPM
MIME::Charset	1.012.2	RPM
MIME::Lite	3.030	RPM
MIME::tools	5.508	RPM
MIME::Types	2.17	RPM
Mixin::Linewise	0.108	RPM
MLDBM	2.05	RPM
Mock::Config	0.03	RPM
Mock::Quick	1.111	RPM
Modern::Perl	1.20180901	RPM
Module::Build::Deprecated	0.4210	RPM
Module::Build::Tiny	0.039	RPM
Module::Build::XSUtil	0.19	RPM
Module::Build	0.4224	RPM
Module::CPANfile	1.1004	RPM
Module::CPANTS::Analyse	0.96	RPM
Module::Extract::VERSION	1.113	RPM
Module::ExtractUse	0.342	RPM
Module::Find	0.13	RPM
Module::Implementation	0.09	RPM
Module::Install	1.19	RPM
Module::Path	0.19	RPM
Module::Pluggable	5.2	RPM
Module::Refresh	0.17	RPM
Module::Runtime::Conflicts	0.003	RPM
Module::Runtime	0.016	RPM
Module::ScanDeps	1.25	RPM
Module::Signature	0.83	RPM
Module::Util	1.09	RPM
Module::Want	0.6	RPM
Mojo::JWT	0.07	RPM
Mojo::Pg	4.10	RPM
Mojolicious::Plugin::Authentication	1.33	RPM

Mojolicious::Plugin::DebugDumperHelper	0.03	RPM
Mojolicious::Plugin::OAuth2::Server	0.42	RPM
Mojolicious	8.0	RPM
Moment	1.3.1	RPM
Moo	2.003004	RPM
Moose::Autobox	0.16	RPM
Moose	2.2011	RPM
MooseX::AttributeHelpers	0.25	RPM
MooseX::AttributeShortcuts	0.037	RPM
MooseX::ClassAttribute	0.29	RPM
MooseX::ConfigFromFile	0.14	RPM
MooseX::Configuration	0.02	RPM
MooseX::Daemonize	0.21	RPM
MooseX::Emulate::Class::Accessor::Fast	0.009032	RPM
MooseX::Getopt	0.73	RPM
MooseX::Has::Sugar	1.000006	RPM
MooseX::LazyRequire	0.11	RPM
MooseX::MarkAsMethods	0.15	RPM
MooseX::Meta::TypeConstraint::Mooish	0.001	RPM
MooseX::MethodAttributes	0.31	RPM
MooseX::NonMoose	0.26	RPM
MooseX::Object::Pluggable	0.0014	RPM
MooseX::OneArgNew	0.005	RPM
MooseX::Params::Validate	0.21	RPM
MooseX::POE	0.215	RPM
MooseX::RelatedClassRoles	0.004	RPM
MooseX::Role::Parameterized	1.10	RPM
MooseX::Role::WithOverloading	0.17	RPM
MooseX::SemiAffordanceAccessor	0.10	RPM
MooseX::SetOnce	0.200002	RPM
MooseX::SimpleConfig	0.11	RPM
MooseX::Singleton	0.30	RPM
MooseX::TraitFor::Meta::Class::BetterAnonClassNames	0.002003	RPM
MooseX::Traits::Pluggable	0.12	RPM
MooseX::Types::Common	0.001014	RPM
MooseX::Types::DateTime	0.13	RPM
MooseX::Types::LoadableClass	0.015	RPM

MooseX::Types::Path::Class	0.09	RPM
MooseX::Types::Path::Tiny	0.012	RPM
MooseX::Types::Perl	0.101343	RPM
MooseX::Types::Stringlike	0.003	RPM
MooseX::Types	0.50	RPM
MooseX::Util	0.006	RPM
MooX::ClassAttribute	0.011	RPM
MooX::HandlesVia	0.001008	RPM
MooX::late	0.015	RPM
MooX::Locale::Passthrough	0.001	RPM
MooX::Log::Any	0.004004	RPM
MooX::Options	4.103	RPM
MooX::StrictConstructor	0.010	RPM
MooX::Types::MooseLike	0.29	RPM
Mouse	v2.5.6	RPM
MouseX::Types	0.06	RPM
Mozilla::CA	20180117	RPM
Mozilla::PublicSuffix	v1.0.0	RPM
MRO::Compat	0.13	RPM
multidimensional	0.014	RPM
munin	2.0.30	RPM
MySQL::Diff	0.60	RPM
namespace::autoclean	0.28	RPM
namespace::clean	0.27	RPM
Net::Address::IPv4::Local	0.12	RPM
Net::AIM	1.22	RPM
Net::Amazon::Signature::V3	0.003	RPM
Net::Amazon::Signature::V4	0.19	RPM
Net::AMQP	0.06	RPM
Net::APNS::Persistent	0.02	RPM
Net::CIDR::Lite	0.21	RPM
Net::CIDR	0.19	RPM
Net::Daemon::SSL	1.0	RPM
Net::Daemon	0.48	RPM
Net::DAV::Server	1.305	RPM
Net::DNS::Resolver::Mock	1.20171219	RPM
Net::DNS::Resolver::Programmable	0.009	RPM

Net::DNS::SEC	1.10	RPM
Net::DNS	1.17	RPM
Net::Domain::TLD	1.75	RPM
Net::FastCGI	0.14	RPM
Net::FTPSSL	0.40	RPM
Net::Google::Drive::Simple	0.13	RPM
Net::HTTP	6.18	RPM
Net::HTTPS::Any	0.12	RPM
Net::HTTPTunnel	0.51	RPM
Net::Ident	1.24	RPM
Net::IDN::Encode	2.400	RPM
Net::IMAP::Client	0.9505	RPM
Net::IMAP::Simple	1.2212	RPM
Net::IP::Match::Regex	1.01	RPM
Net::IP	1.26	RPM
Net::IPv4Addr	0.10	RPM
Net::Jabber::Bot	2.1.5	RPM
Net::Jabber	2.0	RPM
Net::LDAP::Server	0.43	RPM
Net::LibIDN	0.12	RPM
Net::MySQL	0.11	RPM
Net::Netmask	1.9104	RPM
Net::OAuth2::AuthorizationServer	0.18	RPM
Net::OAuth	0.28	RPM
Net::OpenSSH	0.78	RPM
Net::OSCAR	1.928	RPM
Net::Pcap::Easy	1.4210	RPM
Net::Pcap	0.18	RPM
Net::RabbitMQ	0.2.8	RPM
Net::Server	2.009	RPM
Net::SFTP::Foreign	1.89	RPM
Net::SNMP	v6.0.1	RPM
Net::SOCKS	0.03	RPM
Net::SSH::Perl	2.14	RPM
Net::SSLeay	1.85	RPM
Net::STOMP::Client	2.3	RPM
Net::TCPwrappers	1.11	RPM

Net::Telnet	3.04	RPM
Net::Twitter::Lite	0.12008	RPM
Net::WebSocket	0.19	RPM
Net::Whois::IANA	0.44	RPM
Net::XMPP	1.05	RPM
NetAddr::IP	4.079	RPM
NetPacket	1.6.0	RPM
No::Worries	1.5	RPM
Number::Compare	0.03	RPM
Number::Tolerant	1.708	RPM
Number::WithError	1.01	RPM
OAuth::Cmdline	0.06	RPM
OAuth::Lite2	0.11	RPM
Object::Accessor	0.48	RPM
Object::Event	1.23	RPM
Object::Signature	1.07	RPM
OIDC::Lite	0.10	RPM
OLE::Storage_Lite	0.19	RPM
Opcodes	0.14	RPM
OpenDNS::MyIP	1.152350	RPM
Overload::FileCheck	0.006	RPM
Package::Constants	0.06	RPM
Package::DeprecationManager	0.17	RPM
Package::Stash::XS	0.28	RPM
Package::Stash	0.37	RPM
Package::Variant	1.003002	RPM
PadWalker	2.3	RPM
PAR::Dist	0.49	RPM
Parallel::ForkManager	1.20	RPM
Parallel::Prefork	0.18	RPM
Parallel::Scoreboard	0.08	RPM
Parallel::Subs	0.002	RPM
Params::Util	1.07	RPM
Params::Validate	1.29	RPM
Params::ValidationCompiler	0.30	RPM
Parse::LocalDistribution	0.19	RPM
Parse::PMFile	0.41	RPM

Parse::RecDescent	1.967015	RPM
Parse::Yapp	1.21	RPM
Path::Class	0.37	RPM
Path::FindDev	v0.5.3	RPM
Path::IsDev	1.001003	RPM
Path::Iter	0.2	RPM
Path::Iterator::Rule	1.014	RPM
Path::Tiny	0.108	RPM
PathTools	3.75	RPM
PAUSE::Permissions	0.17	RPM
Paws	0.38	RPM
PDF::API2	2.033	RPM
Perl6::Junction	1.60000	RPM
Perl::Critic::Cpanel	0.04	RPM
Perl::Critic::Policy::CompileTime	0.03	RPM
Perl::Critic::StricterSubs	0.05	RPM
Perl::Critic	1.132	RPM
perl::ldap	0.65	RPM
Perl::MinimumVersion	1.38	RPM
Perl::osnames	0.11	RPM
Perl::PrereqScanner	1.023	RPM
Perl::Strip	1.1	RPM
Perl::Tidy	20180220	RPM
Perl::Version	1.013	RPM
Perlbal	1.80	RPM
PerlIO::utf8_strict	0.007	RPM
PerlIO::via::Timeout	0.32	RPM
PHP::Serialization	0.34	RPM
Plack::Middleware::FixMissingBodyInRedirect	0.12	RPM
Plack::Middleware::ForceEnv	0.02	RPM
Plack::Middleware::Header	0.04	RPM
Plack::Middleware::MethodOverride	0.20	RPM
Plack::Middleware::RemoveRedundantBody	0.07	RPM
Plack::Middleware::ReverseProxy	0.15	RPM
Plack::Middleware::Session	0.30	RPM
Plack::Test::ExternalServer	0.02	RPM
Plack	1.0047	RPM

Pod::Coverage::TrustPod	0.100005	RPM
Pod::Coverage	0.23	RPM
Pod::Elemental::PerlMunger	0.200006	RPM
Pod::Elemental	0.103004	RPM
Pod::Eventual	0.094001	RPM
Pod::LaTeX	0.61	RPM
Pod::Markdown::Github	0.03	RPM
Pod::Markdown	3.101	RPM
Pod::Readme	1.001002	RPM
Pod::Spell	1.20	RPM
Pod::Strip	1.02	RPM
Pod::Weaver	4.015	RPM
POE::Test::Loops	1.361_00	RPM
POE	1.367	RPM
POSIX::strftime::Compiler	0.42	RPM
PPI	1.236	RPM
PPIx::QuoteLike	0.006	RPM
PPIx::Regexp	0.062	RPM
PPIx::Utilities	1.001000	RPM
prefork	1.04	RPM
Pristine::Tar	1.40	RPM
Probe::Perl	0.03	RPM
Proc::Daemon	0.23	RPM
Proc::FastSpawn	1.2	RPM
Proc::Guard	0.07	RPM
Proc::PID::File	1.29	RPM
Proc::ProcessTable	0.55	RPM
Proc::Wait3	0.05	RPM
Protocol::WebSocket	0.24	RPM
Quota	1.7.2	RPM
Razor2::Client::Agent	2.84	RPM
Readonly::XS	1.05	RPM
Readonly	2.05	RPM
Reddit::Client	1.281	RPM
Redis	1.991	RPM
Ref::Util::XS	0.117	RPM
Ref::Util	0.204	RPM

Regexp::Common	2017060201	RPM
Regexp::Parser	0.22	RPM
REST::Client	273	RPM
REST::Google	1.0.8	RPM
Return::MultiLevel	0.05	RPM
Return::Value	1.666005	RPM
RiveScript	v2.0.3	RPM
Role::HasMessage	0.006	RPM
Role::Identifiable	0.007	RPM
Role::Multiton	0.2	RPM
Role::REST::Client	0.22	RPM
Role::Tiny	2.000006	RPM
Router::Simple	0.17	RPM
Safe::Hole	0.14	RPM
Safe::Isa	1.000010	RPM
Scalar::Util::Numeric	0.40	RPM
Schedule::Cron::Events	1.95	RPM
Scope::Guard	0.21	RPM
Scope::Upper	0.31	RPM
Search::Elasticsearch	6.00	RPM
Selenium::PageObject	0.012	RPM
Selenium::Remote::Driver	1.30	RPM
Sereal::Decoder	4.005	RPM
Sereal::Encoder	4.005	RPM
Sereal	4.005	RPM
Server::Starter	0.34	RPM
Session::Storage::Secure	0.011	RPM
Session::Token	1.503	RPM
Set::Crontab	1.03	RPM
Set::Object	1.39	RPM
Set::Scalar	1.29	RPM
Shell	0.73	RPM
Signal::Mask	0.008	RPM
Simple::Accessor	1.11	RPM
Smart::Comments	1.06	RPM
Snowball::Norwegian	1.2	RPM
Snowball::Swedish	1.2	RPM



SOAP::Lite	1.27	RPM
Socket6	0.28	RPM
Software::License::CCpack	1.11	RPM
Software::License	0.103013	RPM
Sort::Naturally	1.03	RPM
Sort::Versions	1.62	RPM
Specio	0.42	RPM
Sphinx::Search	0.31	RPM
Spiffy	0.46	RPM
Spreadsheet::ParseExcel	0.65	RPM
Spreadsheet::Read	0.79	RPM
Spreadsheet::WriteExcel	2.40	RPM
SQL::Abstract	1.86	RPM
SQL::Maker	1.21	RPM
SQL::QueryMaker	0.03	RPM
SQL::Statement	1.412	RPM
SQL::Translator	0.11024	RPM
Starlet	0.31	RPM
Starman	0.4014	RPM
Statistics::CaseResampling	0.15	RPM
Statistics::Descriptive	3.0701	RPM
Statistics::LineFit	0.07	RPM
STF::Dispatcher::PSGI	1.12	RPM
Stream::Buffered	0.03	RPM
strictures	2.000005	RPM
String::Base	0.003	RPM
String::BOM	0.3	RPM
String::CamelCase	0.04	RPM
String::Compare::ConstantTime	0.320	RPM
String::CRC32	1.7	RPM
String::Errf	0.008	RPM
String::Flogger	1.101245	RPM
String::Format	1.18	RPM
String::Formatter	0.102084	RPM
String::PerlQuote	0.02	RPM
String::Random	0.30	RPM
String::RewritePrefix	0.007	RPM

String::ShellQuote	1.04	RPM
String::ToIdentifier::EN	0.12	RPM
String::Truncate	1.100602	RPM
String::UnicodeUTF8	0.22	RPM
String::Unquotemeta	0.1	RPM
String::Urandom	0.16	RPM
Sub::Attribute	0.06	RPM
Sub::Exporter::ForMethods	0.100052	RPM
Sub::Exporter::GlobExporter	0.005	RPM
Sub::Exporter::Progressive	0.001013	RPM
Sub::Exporter	0.987	RPM
Sub::Identify	0.14	RPM
Sub::Info	0.002	RPM
Sub::Install	0.928	RPM
Sub::Name	0.21	RPM
Sub::Quote	2.005001	RPM
Sub::Uplevel	0.2800	RPM
SUPER	1.20141117	RPM
superclass	0.003	RPM
SVG::Parser	1.03	RPM
SVG::SpriteMaker	0.002	RPM
SVG::TT::Graph	0.25	RPM
SVG	2.84	RPM
SVGGraph	0.07	RPM
Switch	2.17	RPM
Symbol::Get	0.10	RPM
Symbol::Util	0.0203	RPM
Syntax::Keyword::Junction	0.003008	RPM
syntax	0.004	RPM
Sys::Hostname::Long	1.5	RPM
Sys::Info::Base	0.7804	RPM
Sys::Info::Driver::Linux	0.7903	RPM
Sys::Info	0.78	RPM
Sys::Mmap	0.19	RPM
Sys::SigAction	0.23	RPM
Sys::Statistics::Linux	0.66	RPM
Sys::Syscall	0.25	RPM

Sys::Trace	0.03	RPM
Sysadm::Install	0.48	RPM
System::Command	1.119	RPM
System::Info	0.058	RPM
TAP::Formatter::Bamboo	0.04	RPM
TAP::Formatter::JUnit	0.11	RPM
TAP::SimpleOutput	0.009	RPM
Task::Weaken	1.06	RPM
Template::Plugin::JavaScript	0.02	RPM
Template::Timer	1.00	RPM
Template::Tiny	1.12	RPM
Template::Toolkit	2.27	RPM
Term::Encoding	0.02	RPM
Term::ProgressBar	2.22	RPM
Term::ReadLine::Gnu	1.35	RPM
Term::Table	0.012	RPM
Term::UI	0.46	RPM
TermReadKey	2.37	RPM
Test2::Harness	0.001069	RPM
Test2::Plugin::NoWarnings	0.06	RPM
Test2::Suite	0.000115	RPM
Test2::Tools::Explain	0.02	RPM
Test::AllModules	0.15	RPM
Test::API	0.010	RPM
Test::Assertions	1.054	RPM
Test::Base	0.89	RPM
Test::Carp	0.2	RPM
Test::CheckDeps	0.010	RPM
Test::CheckManifest	1.33	RPM
Test::Class::Moose	0.94	RPM
Test::Class	0.50	RPM
Test::ClassAPI	1.07	RPM
Test::CleanNamespaces	0.23	RPM
Test::Cmd	1.09	RPM
Test::CPAN::Meta::YAML	0.25	RPM
Test::CPAN::Meta	0.25	RPM
Test::Deep::JSON	0.05	RPM

Test::Deep	1.128	RPM
Test::Differences	0.64	RPM
Test::EOL	2.00	RPM
Test::Exception	0.43	RPM
Test::Exit	0.11	RPM
Test::Expect	0.34	RPM
Test::FailWarnings	0.008	RPM
Test::Fake::HTTPD	0.08	RPM
Test::Fatal	0.014	RPM
Test::File::Contents	0.23	RPM
Test::File::ShareDir	1.001002	RPM
Test::File	1.443	RPM
Test::Filename	0.03	RPM
Test::Fork	0.02	RPM
Test::HexString	0.03	RPM
Test::Inter	1.07	RPM
Test::Kwalitee	1.27	RPM
Test::LeakTrace	0.16	RPM
Test::LectroTest	0.5001	RPM
Test::LongString	0.17	RPM
Test::LWP::UserAgent	0.033	RPM
Test::Manifest	2.021	RPM
Test::Memory::Cycle	1.06	RPM
Test::MinimumVersion	0.101082	RPM
Test::Mock::Cmd	0.7	RPM
Test::Mock::Furl	0.05	RPM
Test::Mock::Guard	0.10	RPM
Test::Mock::LWP::Conditional	0.04	RPM
Test::Mock::LWP	0.08	RPM
Test::MockDateTime	0.02	RPM
Test::MockFile	0.011	RPM
Test::MockModule	v0.170.0	RPM
Test::MockObject	1.20180705	RPM
Test::MockTime	0.17	RPM
Test::Modern	0.013	RPM
Test::Mojo::Role::Debug::JSON	0.003	RPM
Test::Mojo::Role::Debug	1.003004	RPM

Test::Mojo::Role::TestDeep	0.007	RPM
Test::Mojo::WithRoles	0.02	RPM
Test::Moose::More	0.050	RPM
Test::More::UTF8	0.05	RPM
Test::Most	0.35	RPM
Test::Name::FromLine	0.13	RPM
Test::Needs	0.002005	RPM
Test::NoTabs	2.02	RPM
Test::NoWarnings	1.04	RPM
Test::Number::Delta	1.06	RPM
Test::Object	0.08	RPM
Test::Output	1.031	RPM
Test::Parallel	0.20	RPM
Test::PAUSE::Permissions	0.07	RPM
Test::Perl::Critic	1.04	RPM
Test::Pod::Coverage	1.10	RPM
Test::Pod	1.52	RPM
Test::Requires::Git	1.008	RPM
Test::Requires	0.10	RPM
Test::RequiresInternet	0.05	RPM
Test::Script	1.23	RPM
Test::SharedFork	0.35	RPM
Test::Simple	1.302140	RPM
Test::Spec	0.54	RPM
Test::SubCalls	1.10	RPM
Test::Sys::Info	0.21	RPM
Test::TCP	2.19	RPM
Test::TempDir::Tiny	0.018	RPM
Test::Time	0.06	RPM
Test::Timer	2.09	RPM
Test::Trap	v0.3.3	RPM
Test::Unit	0.25	RPM
Test::UseAllModules	0.17	RPM
Test::utf8	1.01	RPM
Test::Version	2.09	RPM
Test::Warn	0.36	RPM
Test::Warnings	0.026	RPM

Test::Without::Module	0.20	RPM
Test::WWW::Mechanize::Catalyst	0.60	RPM
Test::WWW::Mechanize::CGIApp	0.05	RPM
Test::WWW::Mechanize::PSGI	0.38	RPM
Test::WWW::Mechanize	1.50	RPM
Test::WWW::Selenium	1.36	RPM
Test::XHTML	0.13	RPM
Test::XML	0.08	RPM
Test::YAML::Valid	0.04	RPM
Test::YAML	1.07	RPM
TestRail::API	0.043	RPM
Text::Autoformat	1.74	RPM
Text::CSV	1.97	RPM
Text::CSV_XS	1.36	RPM
Text::Dice	0.06	RPM
Text::Diff	1.45	RPM
Text::Extract::MaketextCallPhrases	0.94	RPM
Text::Fold	0.5	RPM
Text::German	0.06	RPM
Text::Glob	0.11	RPM
Text::Iconv	1.7	RPM
Text::Indent	0.02	RPM
Text::Markdown	1.000031	RPM
Text::MicroTemplate	0.24	RPM
Text::MultiMarkdown	1.000035	RPM
Text::Reform	1.20	RPM
Text::SimpleTable	2.07	RPM
Text::Soundex	3.05	RPM
Text::Template	1.53	RPM
Text::Trim	1.02	RPM
Text::Unidecode	1.30	RPM
Text::Xslate	v3.5.6	RPM
Throwable	0.200013	RPM
Tie::DBI	1.06	RPM
Tie::EncryptedHash	1.24	RPM
Tie::IxHash	1.23	RPM
Tie::RefHash::Weak	0.09	RPM

Tie::ShadowHash	1.00	RPM
Tie::ToObject	0.03	RPM
Time::Duration::Parse	0.14	RPM
Time::Duration	1.20	RPM
Time::Out	0.11	RPM
TimeDate	2.30	RPM
Tree::DAG_Node	1.31	RPM
Tree::MultiNode	v1.0.13	RPM
Tree::Simple::VisitorFactory	0.15	RPM
Tree::Simple	1.33	RPM
Try::Tiny	0.30	RPM
Try	0.03	RPM
Type::Tiny	1.004002	RPM
Types::DateTime	0.002	RPM
Types::Serialiser	1.0	RPM
Ubic::Service::InitScriptWrapper	0.02	RPM
Ubic	1.60	RPM
Umask::Local	1.0	RPM
Unicode::LineBreak	2018.003	RPM
UNIVERSAL::can	1.20140328	RPM
UNIVERSAL::isa	1.20171012	RPM
Unix::PID::Tiny	0.91	RPM
Unix::PID	0.23	RPM
Unix::Processors	2.046	RPM
Unix::Sysexits	0.06	RPM
Unix::Syslog	1.1	RPM
URI::Encode	v1.1.1	RPM
URI::Escape::XS	0.14	RPM
URI::Find	20160806	RPM
URI::Template	0.23	RPM
URI::ws	0.03	RPM
URI::XSEscape	0.001000	RPM
URI	1.74	RPM
URL::Encode::XS	0.03	RPM
URL::Encode	0.03	RPM
UUID::Tiny	1.04	RPM
Variable::Magic	0.62	RPM

Version::Next	1.000	RPM
Version::Requirements	0.101023	RPM
Want	0.29	RPM
warnings::unused	0.06	RPM
Web::Detect	0.05	RPM
WebService::Amazon::Route53	0.101	RPM
WebService::Client	0.0601	RPM
WebService::Slack::WebApi	0.13	RPM
WWW::Form::UrlEncoded	0.24	RPM
WWW::Form	1.19	RPM
WWW::Mechanize	1.88	RPM
WWW::OAuth	1.000	RPM
WWW::Pastebin::PastebinCom::Create	1.003	RPM
WWW::RobotRules	6.02	RPM
WWW::Salesforce	0.303	RPM
WWW::Wunderground::API	0.08	RPM
X::Tiny	0.15	RPM
XML::Catalogs::HTML	1.0.3	RPM
XML::Catalogs	1.0.3	RPM
XML::DOM	1.46	RPM
XML::Dumper	0.81	RPM
XML::Entities	1.0001	RPM
XML::Generator	1.04	RPM
XML::LibXML	2.0132	RPM
XML::NamespaceSupport	1.12	RPM
XML::Parser::Lite	0.722	RPM
XML::Parser	2.44	RPM
XML::RegExp	0.04	RPM
XML::SAX::Base	1.09	RPM
XML::SAX::Expat	0.51	RPM
XML::SAX	1.00	RPM
XML::SemanticDiff	1.0007	RPM
XML::Simple	2.25	RPM
XML::Stream	1.24	RPM
XML::Writer	0.625	RPM
XML::XPath	1.42	RPM
XML::XPathEngine	0.14	RPM



YAML::AppConfig	0.19	RPM
YAML::LibYAML	0.74	RPM
YAML::Syck	1.30	RPM
YAML::Tiny	1.73	RPM
YAML	1.26	RPM

## OS-provided

cPanel & WHM uses the following operating system-provided third-party applications:

▼ [Click here to view the full list of OS-provided third-party modules...](#)

**Note:**

We use CentOS servers to generate these lists. The specific version numbers and packages may vary slightly on CloudLinux™ and Red Hat® Enterprise Linux servers.

▼ [Third-party OS applications: CentOS, CloudLinux™, or RHEL® 6 or 7, 64-bit architecture...](#)

Third-party application	Version	Source
at	3.1.13-20.el7	RPM
autoconf	2.69-11.el7	RPM
automake	1.13.4-3.el7	RPM
bash	4.2.46-19.el7	RPM
bind	9.9.4-29.el7_2.3	RPM
bind-devel	9.9.4-29.el7_2.3	RPM
bind-libs	9.9.4-29.el7_2.3	RPM
bind-utils	9.9.4-29.el7_2.3	RPM
binutils	2.23.52.0.1-55.el7	RPM
bison	2.7-4.el7	RPM
boost-program-options	1.53.0-25.el7	RPM
boost-serialization	1.53.0-25.el7	RPM
bzip2	1.0.6-13.el7	RPM
bzip2-libs	1.0.6-13.el7	RPM
cairo	1.14.8-2.el7	RPM
chkconfig	1.7.2-1.el7	RPM
compat-db	4.7.25-28.el7	RPM
coreutils	8.22-15.el7_2.1	RPM
cpio	2.11-24.el7	RPM
cpp	4.8.5-4.el7	RPM
cracklib	2.9.0-11.el7	RPM
cronie	1.4.11-14.el7_2.1	RPM
crontabs	1.11-6.20121102git.el7	RPM

curl	7.29.0-25.el7.centos	RPM
e2fsprogs	1.42.9-7.el7	RPM
e2fsprogs-devel	1.42.9-7.el7	RPM
expat	2.1.0-8.el7	RPM
expat-devel	2.1.0-8.el7	RPM
expect	5.45-14.el7_1	RPM
file	5.11-31.el7	RPM
findutils	4.5.11-5.el7	RPM
flex	2.5.37-3.el7	RPM
fontconfig	2.10.95-7.el7	RPM
freetype	2.4.11-11.el7	RPM
ftp	0.17-66.el7	RPM
gamin	0.1.10-16.el7	RPM
gamin-devel	0.1.10-16.el7	RPM
gawk	4.0.2-4.el7	RPM
gcc	4.8.5-4.el7	RPM
gcc-c++	4.8.5-4.el7	RPM
gd	2.0.35-26.el7	RPM
gd-devel	2.0.35-26.el7	RPM
gd-progs	2.0.35-26.el7	RPM
gdbm	1.10-8.el7	RPM
gdbm-devel	1.10-8.el7	RPM
gettext	0.18.2.1-4.el7	RPM
gettext-devel	0.18.2.1-4.el7	RPM
ghostscript	9.07-18.el7	RPM
giflib	4.1.6-9.el7	RPM
glib2	2.50.3-3.el7	RPM
glibc	2.17-106.el7_2.6	RPM
glibc-devel	2.17-106.el7_2.6	RPM
glibc-static	2.17-106.el7_2.6	RPM
gmp	6.0.0-12.el7_1	RPM
gnupg	>= 0	RPM
gnupg2	2.0.22-3.el7	RPM
grep	2.20-2.el7	RPM
grubby	8.28-17.el7	RPM
gzip	1.5-8.el7	RPM
hunspell	1.3.2-13.el7	RPM

hunspell-en	0.20121024-5.el7	RPM
ImageMagick	6.7.8.9-15.el7_2	RPM
initscripts	9.49.30-1.el7_2.2	RPM
iptables	1.4.21-16.el7	RPM
kernel-headers	3.10.0-327.18.2.el7	RPM
keyutils-libs	1.5.8-3.el7	RPM
krb5-devel	1.13.2-12.el7_2	RPM
krb5-libs	1.13.2-12.el7_2	RPM
less	458-9.el7	RPM
libaio	0.3.109-13.el7	RPM
libaio-devel	0.3.109-13.el7	RPM
libcap	2.22-8.el7	RPM
libcom_err	1.42.9-7.el7	RPM
libcurl	7.29.0-25.el7.centos	RPM
libdb	5.3.21-19.el7	RPM
libgcc	4.8.5-4.el7	RPM
libgomp	4.8.5-4.el7	RPM
libicu	50.1.2-15.el7	RPM
libidn	1.28-4.el7	RPM
libidn-devel	1.28-4.el7	RPM
libjpeg-turbo	1.2.90-5.el7	RPM
libjpeg-turbo-devel	1.2.90-5.el7	RPM
libmount	2.23.2-26.el7_2.2	RPM
libpcap	1.5.3-8.el7	RPM
libpng	1.5.13-7.el7_2	RPM
libpng-devel	1.5.13-7.el7_2	RPM
libssh2	1.4.3-10.el7_2.1	RPM
libstdc++	4.8.5-4.el7	RPM
libstdc++-devel	4.8.5-4.el7	RPM
libtiff	4.0.3-14.el7	RPM
libtiff-devel	4.0.3-14.el7	RPM
libtool	2.4.2-21.el7_2	RPM
libtool-ltdl	2.4.2-21.el7_2	RPM
libtool-ltdl-devel	2.4.2-21.el7_2	RPM
libwmf	0.2.8.4-41.el7_1	RPM
libX11-devel	1.6.3-2.el7	RPM
libxml2	2.9.1-6.el7_2.2	RPM

libxml2-devel	2.9.1-6.el7_2.2	RPM
libXpm	3.5.11-3.el7	RPM
libXpm-devel	3.5.11-3.el7	RPM
libxslt	1.1.28-5.el7	RPM
libxslt-devel	1.1.28-5.el7	RPM
lsOf	4.87-4.el7	RPM
lynx	2.8.8-0.3.dev15.el7	RPM
make	3.82-21.el7	RPM
nano	2.3.1-10.el7	RPM
ncurses	5.9-13.20130511.el7	RPM
ncurses-devel	5.9-13.20130511.el7	RPM
ncurses-libs	5.9-13.20130511.el7	RPM
ncurses-term	5.9-13.20130511.el7	RPM
net-tools	2.0-0.17.20131004git.el7	RPM
openssh	6.6.1p1-25.el7_2	RPM
openssh-clients	6.6.1p1-25.el7_2	RPM
openssh-server	6.6.1p1-25.el7_2	RPM
openssl	1.0.1e-51.el7_2.5	RPM
openssl-devel	1.0.1e-51.el7_2.5	RPM
openssl-libs	1.0.1e-51.el7_2.5	RPM
pam	1.1.8-12.el7_1.1	RPM
pam-devel	1.1.8-12.el7_1.1	RPM
pango	1.40.4-1.el7	RPM
passwd	0.79-4.el7	RPM
patch	2.7.1-8.el7	RPM
pcre	8.32-15.el7_2.1	RPM
perl	5.16.3-286.el7	RPM
pixman	0.32.6-3.el7	RPM
popt	1.13-16.el7	RPM
procps-ng	3.3.10-5.el7_2	RPM
psmisc	22.20-9.el7	RPM
python	2.7.5-34.el7	RPM
python-devel	2.7.5-34.el7	RPM
python-docs	2.7.5-2.el7	RPM
python-setuptools	0.9.8-4.el7	RPM
python-tools	2.7.5-34.el7	RPM
quota	4.01-11.el7_2.1	RPM

quota-devel	4.01-11.el7_2.1	RPM
rcs	5.9.0-5.el7	RPM
rdate	1.4-25.el7	RPM
readline	6.2-9.el7	RPM
redhat-rpm-config	9.1.0-72.el7.centos	RPM
rsync	3.0.9-17.el7	RPM
screen	4.1.0-0.23.20120314git3c2946.el7_2	RPM
sed	4.2.2-5.el7	RPM
shadow-utils	4.1.5.1-18.el7	RPM
sharutils	4.13.3-8.el7	RPM
Smartmontools	6.2-4.el7	RPM
sqlite	3.7.17-8.el7	RPM
strace	4.8-11.el7	RPM
sysstat	10.1.5-7.el7	RPM
systemd	219-19.el7_2.9	RPM
tar	1.26-29.el7	RPM
tcl	8.5.13-8.el7	RPM
tclx	8.4.0-22.el7	RPM
tcp_wrappers-devel	7.6-77.el7	RPM
tcp_wrappers-libs	7.6-77.el7	RPM
tix	8.4.3-12.el7	RPM
tk	8.5.13-6.el7	RPM
tkinter	2.7.5-34.el7	RPM
traceroute	2.0.19-5.el7	RPM
unzip	6.0-15.el7	RPM
urw-fonts	2.4-16.el7	RPM
util-linux	2.23.2-26.el7_2.2	RPM
wget	1.14-10.el7_0.1	RPM
which	2.20-7.el7	RPM
xz	5.1.2-12alpha.el7	RPM
xz-libs	5.1.2-12alpha.el7	RPM
yum-utils	1.1.31-34.el7	RPM
zip	3.0-10.el7	RPM
zlib	1.2.7-15.el7	RPM
zlib-devel	1.2.7-15.el7	RPM

## Appendix B: New and modified API functions

## New UAPI functions

- `Backup::fullbackup_to_ftp` — This function creates a full backup to the remote server via File Transfer Protocol (FTP).
- `Backup::fullbackup_to_homedir` — This function creates a full backup to the user's home directory.
- `Backup::fullbackup_to_scp_with_key` — This function creates a full backup to a remote server with a private SSH key via the secure copy protocol (`scp`) command.
- `Backup::fullbackup_to_scp_with_password` — This function creates a full backup to a remote server via the secure copy protocol (`scp`) command with a password.
- `DNS::has_local_authority` — This function checks whether the local server is authoritative for the domain's DNS records.
- `Email::enable_mailbox_autocreate` — This function allows the system to automatically create mailboxes.
- `Email::disable_mailbox_autocreate` — This function disables the system's ability to automatically create mailboxes.
- `EmailAuth::disable_dkim` — This function removes the Domain Keys Identified Mail (DKIM) records on the DNS server for one or more domains.
- `EmailAuth::enable_dkim` — This function enables Domain Keys Identified Mail (DKIM) records on the DNS server for one or more domains.
- `EmailAuth::fetch_dkim_private_keys` — This function returns a domain's installed DKIM private key in [Privacy-Enhanced Mail \(PEM\)](#) format.
- `EmailAuth::install_dkim_private_keys` — This function installs existing keys for use in a Domain Keys Identified Mail (DKIM) record.
- `EmailAuth::install_spf_records` — This function installs a Sender Policy Framework (SPF) record for a domain on the DNS server.
- `EmailAuth::validate_current_dkims` — This function retrieves and checks the Domain Keys Identified Mail (DKIM) records for one or more domains.
- `EmailAuth::validate_current_ptr` — This function validates the pointer records (PTR) for IPv4 and IPv6 addresses that the account's domains send mail from.
- `EmailAuth::validate_current_spfs` — This function retrieves the the Sender Policy Framework (SPF) records for one or more domains.

## New WHM API 1 functions

- `disable_dkim` — This function removes the Domain Keys Identified Mail (DKIM) records on the DNS server for one or more domains.
- `enable_dkim` — This function enables Domain Keys Identified Mail (DKIM) records on the DNS server for one or more domains.
- `ensure_dkim_keys_exist` — This function confirms the validity of a Domain Keys Identified Mail (DKIM) key for one or more domains.
- `fetch_dkim_private_keys` — This function returns a domain's installed DKIM private key in [Privacy-Enhanced Mail \(PEM\)](#) format.
- `getdomainowner` — This function lists the owner of a domain.
- `has_local_authority` — This function checks whether the local server has the authority to publish changes for the domain's DNS records.
- `install_dkim_private_keys` — This function installs existing keys for use in a Domain Keys Identified Mail (DKIM) record.
- `install_spf_records` — This function installs a Sender Policy Framework (SPF) record for a domain on the DNS server.
- `php_fpm_config_get` — This function retrieves the PHP INI directives and pool options for a system's or domain's PHP-FPM configuration.
- `php_fpm_config_set` — This function configures the PHP INI directives and pool options for a system's or domain's PHP-FPM configuration.
- `ticket_get_support_info` — This function retrieves the license holder's support-related information.
- `validate_current_dkims` — This function retrieves and checks the Domain Keys Identified Mail (DKIM) records for one or more domains.
- `validate_current_ptrs` — This function validates the pointer records (PTR) for IPv4 and IPv6 addresses an account's domains send mail from.
- `validate_current_spfs` — This function installs a Sender Policy Framework (SPF) record for one or more domains.

## Modified UAPI functions

- `Email::add_pop` — In cPanel & WHM version 78 and later, you **cannot** enter `cpanel` as an account name when you create an email account.

## Modified cPanel API 2 functions

- `Email::addpop` — In cPanel & WHM version 78 and later, you **cannot** enter `cpanel` as an account name when you create an email account.
- `SSH::genkey_legacy` — Redirects to the cPanel API 2 `SSH::genkey` function, which uses the same parameters but does not use HTML-formatted output.

## Modified cPanel API 1 functions

- `Fileman::fullbackup` — Added the `sshkey_name` and `sshkey_passphrase` parameters.

## Modified WHM API 1 functions

- `create_user_session` — The `url` return will return an IP address if the hostname does not have a configured Domain Name System (DNS).

## Modified WHM API 0 functions

## Deprecated WHM API 1 Functions

## Deprecated UAPI Functions

## Removed cPanel API 2 functions

## Removed cPanel API 1 functions

## Removed WHM API 0 functions