

WHM API 1 Functions - package_manager_get_package_info

Guide to WHM API 1

- Return Data
- Filter Output
- Sort Output
- Paginate Output
- Output Columns
- Call cPanel API 2 and UAPI

Account Restoration
restore_modules_summary

restore_queue_activate

restore_queue_add_task

restore_queue_clear_all_completed_tasks

restore_queue_clear_all_failed_tasks

restore_queue_clear_all_pending_tasks

restore_queue_clear_all_tasks

restore_queue_clear_completed_task

restore_queue_clear_pending_task

restore_queue_is_active

restore_queue_list_active

restore_queue_list_completed

restore_queue

Description

This function retrieves information about the system's available RPM packages.

Examples

JSON API

```
https://hostname.example.com:2087/cpsess#####/json-api/package_manager_get_package_info?api.version=1&package=ea-php55&package=ea-apr-util
```

XML API

```
https://hostname.example.com:2087/cpsess#####/xml-api/package_manager_get_package_info?api.version=1&package=ea-php55&package=ea-apr-util
```

Function information

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.

Notes:

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- us
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- or
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ue_list_pending
restore_queue_state
restoreaccount
verify_new_username_for_restore

Accounts

accountsummary
applist
createacct
domainuserdata
editquota
forcepasswordchange
get_disk_usage
get_domain_info
getdomainowner
has_digest_auth
has_mycnf_for_cpuser
limitbw
list_users
listaccts
listlockedaccounts
listsuspended
modifyacct
myprivs
passwd
quota_enabled
removeacct
set_digest_auth
showbw
suspendacct
unsuspendacct
untrack_acct

Command Line

```
whmapil  
package_manager_get_package_info  
package=ea-php55  
package=ea-apr-util
```

Notes:

- Unless otherwise noted, you **must** URI-encode values.
- For more information and additional output options, read our [Guide to WHM API 1](#) documentation or run the `whmapil --help` command.
- If you run CloudLinux™, you **must** use the full path of the `whmapil` command:

```
/usr/local  
/cpanel/bin/whmapil
```

Output (JSON)

```
{  
  "data": {  
    "packages": [  
      {  
        "version": "1.5.2",  
        "short_description": "Apache Portable Runtime Utility library",  
        "more_info_url": "http://apr.apache.org/",  
        "state": "installed",  
        "release": "11.11.2.cpanel",  
        "pkg_dep": {  
          "requires": [  
            "libdb",
```

Find a function

- WHM API 1 Functions - editrpmversion — This function edits RPM data.
- WHM API 1 Functions - getrpmversion — This function lists a key's available RPMs.

_id
 verify_new_username
 Addon Domains
 convert_addon_fetch_conversion_details
 convert_addon_fetch_domain_details
 convert_addon_get_conversion_status
 convert_addon_initiate_conversion
 convert_addon_list_addon_domains
 convert_addon_list_conversions
 Authentication
 api_token_create
 api_token_list
 api_token_revoke
 api_token_update
 disable_authentication_provider
 disable_failing_authentication_providers
 enable_authentication_provider
 get_available_authentication_providers
 get_login_url
 get_provider_client_configurations
 get_provider_configuration_fields
 get_provider_display_co

```

    [
      "apr",
      "ea-apr"
    ],
    "glibc",
    "libuuid",
    "expat"
  ],
  "conflicts": [
  ],
  "pkg_group": "System Environment/Libraries",
  "license": "ASL 2.0",
  "repo_name": "NYI",
  "version_installed": "1.5.2-11.11.2.cpanel",
  "version_latest": "1.5.2-11.11.2.cpanel",
  "architecture": "x86_64",
  "size": 198703,
  "package": "ea-apr-util",
  "long_description": "The mission of the Apache Portable Runtime (APR) is to provide a\nfree library of C data structures and routines. This library\ncontains additional utility interfaces for APR;
  
```

- WHM API 1 Functions - list_rpm - This function lists RPMs that the server needs, but the server owner has not yet installed.
- WHM API 1 Functions - package_manager_fixcache - This function attempts to repair yum cache issues.

nfigurations
get_users_authn_linked_accounts
link_user_authn_provider
set_provider_client_configurations
set_provider_display_configurations
twofactorauth_disable_policy
twofactorauth_enable_policy
twofactorauth_generate_tfa_config
twofactorauth_get_issuer
twofactorauth_get_user_configs
twofactorauth_policy_status
twofactorauth_remove_user_config
twofactorauth_set_issuer
twofactorauth_set_tfa_config
unlink_user_authn_provider
validate_login_token

▼ Backups

backup_config_get
backup_config_set
backup_date_list
backup_destination_add
backup_destination_delete

```
including
support\nfor XML,
LDAP, database
interfaces, URI
parsing and more."
    },
    {
        "state": "not_installed",
        "release": "1.1.2.cpanel",
        "pkg_group": "Development/Languages",
        "pkg_dep": {
            "requires": [
                "ea-php55-pear",
                "ea-php55-php-cli",
                "ea-php55-php-common"
            ],
            "conflicts": [
            ]
        },
        "version": "5.5.38",
        "more_info_url": null,
        "short_description": "
Package that installs
PHP 5.5",
        "package": "ea-php55",
        "long_description": "T
his is the main
package for ea-php55
Software
Collection,\nthat
install PHP 5.5
language.",
        "size": 0,
        "license": "GPLv2+",
```

backup_dest
ination_get

backup_dest
ination_list

backup_dest
ination_set

backup_dest
ination_valid
ate

backup_get
_transport_s
tatus

backup_list_
transported

backup_set_
list

backup_set_
list_combine
d

backup_skip
_users_all

backup_skip
_users_all_s
tatus

backup_use
r_list

convert_and
_migrate_fro
m_legacy_c
onfig

get_users_w
ith_backup_
metadata

list_cparchiv
e_files

start_backgr
ound_pkgac
t

toggle_user
_backup_sta
te

▼ cPHulk

cphulk_statu
s

create_cphu
lk_record

delete_cphu
lk_record

disable_cph
ulk

enable_cph
ulk

flush_cphulk
_login_histo
ry

```
"version_latest": "5.5  
.38-1.1.2.cpanel",  
  
"architecture": "x86_6  
4",  
  
"version_installed": "  
",  
  
"repo_name": "NYI"  
    }  
    ]  
  },  
  "metadata": {  
    "result": 1,  
    "reason": "OK",  
  
"command": "package_ma  
nager_get_package_inf  
o",
```

```

flush_cphulk
_login_histo
ry_for_ips

get_countrie
s_with_kno
wn_ip_rang
es

get_cphulk_
brutes

get_cphulk_
excessive_b
rutes

get_cphulk_
failed_logins

get_cphulk_
user_brutes

load_cphulk
_config

read_cphulk
_records

save_cphulk
_config

set_cphulk_
config_key

```

▼ Databases

```

background
_mysql_upg
rade_status

current_mys
ql_version

installable_
mysql_versi
ons

latest_availa
ble_mysql_v
ersion

list_databas
e_users

list_databas
es

list_mysql_d
atabases_a
nd_users

remote_mys
ql_create_pr
ofile

remote_mys
ql_create_pr
ofile_via_ss
h

remote_mys
ql_delete_pr
ofile

remote_mys
ql_initiate_p
rofile_activat

```

```

    "version":1
  }
}

```

▼ Output (XML)

```

<result>
  <data>
    <packages>
      <pkg_dep>
        <requires>

          <anon>ea-apr</anon>

          <anon>apr</anon>
            </requires>

          <requires>libdb</requires>

          <requires>expat</requires>

          <requires>libuuid</requires>

          <requires>glibc</requires>
            </pkg_dep>

          <architecture>x86_64</architectu
re>

          <short_description>Apache
Portable Runtime Utility
library</short_description>

          <repo_name>NYI</repo_name>

          <more_info_url>http://apr.apache
.org/</more_info_url>
            <pkg_group>System
Environment/Libraries</pkg_group
>

          <release>11.11.2.cpanel</release
>

            <long_description>
              The mission of
the Apache Portable Runtime
(APR) is to provide a free
library of C data structures and
routines. This library contains
additional utility interfaces
for APR; including support for
XML, LDAP, database interfaces,
URI parsing and more.
            </long_description>

```

ion	<state>installed</state>
remote_mysql_monitor_profile_activation	<version>1.5.2</version>
remote_mysql_read_profile	<version_latest>1.5.2-11.11.2.cpanel</version_latest> <license>ASL2.0</license>
remote_mysql_read_profiles	<version_installed>1.5.2-11.11.2.cpanel</version_installed>
remote_mysql_update_profile	<package>ea-apr-util</package> <size>198703</size> </packages> <packages>
remote_mysql_validate_profile	
rename_mysql_database	<version_latest>5.5.38-1.1.2.cpanel</version_latest>
rename_mysql_user	<package>ea-php55</package> <size>0</size>
rename_postgresql_database	<license>GPLv2+</license> <version_installed/> <long_description> This is the main package for ea-php55 Software Collection, that install PHP 5.5 language. </long_description>
rename_postgresql_user	
set_local_mysql_root_password	
set_mysql_password	<state>not_installed</state>
set_postgresql_password	<version>5.5.38</version>
start_background_mysql_upgrade	<pkg_group>Development/Languages</pkg_group> <more_info_url/>
▼ DNS	
adddns	<release>1.1.2.cpanel</release>
addzonerecord	<architecture>x86_64</architecture> <pkg_dep>
addzonerecord (Reverse DNS)	<requires>ea-php55-php-common</requires>
dumpzone	
editzonerecord	<requires>ea-php55-pear</requires>
get_nameserver_config	<requires>ea-php55-php-cli</requires>
getzonerecord	</pkg_dep>
has_local_authority	<repo_name>NYI</repo_name>

killdns
listmxs
listzones
lookupnsip
lookupnsips
removezone
record
resetzone
resolvedom
ainname
savemxs
setresolvers
update_nam
eservers_co
nfig

▼ EasyApache

ea4_get_cur
rently_install
ed_package
s

ea4_get_ea
_pkgs_state

ea4_list_pro
files

ea4_metainf
o

ea4_migrati
on

ea4_pre_mi
grate_check

ea4_recom
mendations

ea4_save_p
rofile

ea4_tomcat
85_add

ea4_tomcat
85_list

ea4_tomcat
85_rem

▼ Greylisting

cpgreylist_is
_server_net
block_truste
d

cpgreylist_li
st_entries_f
or_common
_mail_provid
er

cpgreylist_lo
ad_common
_mail_provid

```
<short_description>Package that
installs PHP
5.5</short_description>
  </packages>
</data>
<metadata>
  <version>1</version>
  <reason>OK</reason>

<command>package_manager_get_pac
kage_info</command>
```


ers_config
cpgreylis_s
ave_commo
n_mail_provi
ders_config

cpgreylis_st
atus

cpgreylis_tr
ust_entries_
for_common
_mail_provid
er

cpgreylis_u
ntrust_entrie
s_for_comm
on_mail_pro
vider

create_cpgr
eylist_truste
d_host

delete_cpgr
eylist_truste
d_host

disable_cpgr
eylist

enable_cpgr
eylist

load_cpgrey
list_config

read_cpgrey
list_deferred
_entries

read_cpgrey
list_trusted_
host

save_cpgrey
list_config

▼ Integration

batch

cpanel

create_integ
ration_group

create_integ
ration_link

get_integrati
on_link_user_
_config

list_integrati
on_groups

list_integrati
on_links

remove_inte
gration_grou
p

remove_inte

```
<result>1</result>  
</metadata>  
</result>
```

Note:

Use WHM's *API Shell* interface (*WHM >> Home >> Development >> API Shell*) to directly test WHM API calls.

Parameters

Note:

You **must** use either the `ns` or the `package` parameters.

Parameter	Type	Description	Possible values	Example
ns	string	An available RPM package namespace. Note: We added this parameter in cPanel & WHM version 58.	ea Note: ea is the only possible value.	ea

gration_link
 update_inte
 gration_link
 _token

▼ IP Addresses

addips
 delip
 get_public_i
 p
 get_shared_
 ip
 ipv6_disable
 _account
 ipv6_enable
 _account
 ipv6_range_
 add
 ipv6_range_
 edit
 ipv6_range_
 list
 ipv6_range_
 remove
 ipv6_range_
 usage
 listips
 nat_checkip
 nat_set_pub
 lic_ip
 setsiteip

▼ Mail

disable_dki
 m
 disable_mail
 _sni
 emailtrack_s
 earch
 emailtrack_s
 tats
 emailtrack_u
 ser_stats
 enable_dkim
 enable_mail
 _sni
 ensure_dki
 m_keys_exi
 st
 exim_config
 uration_che
 ck
 expunge_m

package	<i>string</i>	An RPM package name on the system.	A valid RPM package name.	ea-apr-util
		You can pass this parameter multiple times to view information on more than one package.		
disable-excludes	<i>Boolean</i>	Whether the system will disable yum's exclude behavior. This parameter defaults to 0.	<ul style="list-style-type: none"> 1 — Disable yum's exclude behavior 0 — Do not disable yum's exclude behavior 	1

Returns

Return	Type	Description	Possible values	Example
packages	<i>array of hashes</i>	An array of hashes of information about the RPM packages on the system.	This array of hashes includes the architecture, license, long_description, more_info_url, package, pkg_grp, release, repo_name, short_description, size, state, version, version_installed, and version_latest returns and the pkg_dep array.	
architecture	<i>string</i>	The required system architecture. The function returns this value in the packages hash.	A valid system architecture.	x86_64

ailbox_messages
 expunge_messages_for_mailbox_guid
 fetch_dkim_private_keys
 fetch_mail_queue
 generate_mobileconfig
 get_mailbox_status
 get_mailbox_status_list
 get_unique_recipient_count_per_sender_for_user
 get_unique_sender_recipient_count_per_user
 get_user_email_forward_destination
 hold_outgoing_email
 install_dkim_private_keys
 install_spf_records
 is_sni_supported
 list_pops_for_mail_sni_status
 rebuild_mail_sni_config
 release_outgoing_email
 save_spamd_config
 set_user_email_forward_destination
 suspend_outgoing_email
 unsuspend_outgoing_email

license	string	<p>The RPM package's license.</p> <p>The function returns this value in the packages hash.</p>	A valid distribution license.	ASL 2.0
long_description	string	<p>A detailed description of the RPM package.</p> <p>The function returns this value in the packages hash.</p>	A valid string.	This is a long description of the package.
more_info_url	string	<p>The RPM package developer's URL, if available.</p> <p>The function returns this value in the packages hash.</p>	<ul style="list-style-type: none"> Any valid URL. null 	http://apr.apache.org
package	string	<p>The RPM package name.</p> <p>The function returns this value in the packages hash.</p>	Any valid string.	ea-apr-util
pkg_deps	hash	<p>The RPM package's dependencies and conflicts.</p> <p>The function returns this value in the packages hash.</p>	This hash includes the conflicts and requires arrays.	
conflicts	array	<p>A hash of the RPM package's conflicts, if any exist.</p> <p>The function returns this value in the pkg_g_deps hash.</p>	Any valid RPM package name.	ea-php55-php-ioncube5
requires	array	<p>A hash of the RPM package's requirements, if any exist.</p> <p>The function returns this value in the pkg_g_deps hash.</p>	Any valid RPM package name.	glibc
pkg_group	string	<p>The RPM package's group.</p> <p>The function returns this value in the packages hash.</p>	A valid string.	System Environment/Libraries

validate_current_installed_exim_config

validate_current_dkims

validate_current_ptrs

validate_current_spfs

validate_exim_configuration_syntax

▼ Market

disable_market_provider

enable_market_provider

get_adjusted_market_providers_products

get_market_providers_commission_config

get_market_providers_list

get_market_providers_product_metadata

get_market_providers_products

set_market_product_attribute

set_market_provider_commission_id

▼ ModSecurity™

modsec_added_rule

modsec_added_vendor

modsec_ensemble_config_text

modsec_batch_settings

modsec_check_rule

modsec_close_rule

release	string	The RPM package's cPanel release number. The function returns this value in the packages hash.	A valid string.	11.11.2.cpanel
repo_name	string	The repository where the RPM package resides. The function returns this value in the packages hash.	A valid string.	NYI
short_description	string	A short description of the RPM package. The function returns this value in the packages hash.	A valid string.	This is a short description.
size	integer	The RPM package's size. The function returns this value in the packages hash.	A positive integer.	198703
state	string	The install state of the RPM package. The function returns this value in the packages hash.	<ul style="list-style-type: none">installednot_installedupdatable	installed
version	string	The version of the RPM package's software. The function returns this value in the packages hash.	A valid string.	1.5.2
version_installed	string	The currently installed version of an RPM package. The function returns this value in the packages hash.	<ul style="list-style-type: none">A valid string.A blank string.	1.5.2-11.11.2.cpanel
version_latest	string	The latest available version of an RPM package. The function returns this value in the packages hash.	A valid string.	1.5.2-11.11.2.cpanel

modsec_de
ploy_all_rule
_changes

modsec_de
ploy_rule_ch
anges

modsec_de
ploy_setting
s_changes

modsec_dis
able_rule

modsec_dis
able_vendor

modsec_dis
able_vendor
_configs

modsec_dis
able_vendor
_updates

modsec_dis
card_all_rul
e_changes

modsec_dis
card_rule_c
hanges

modsec_edit
_rule

modsec_en
able_vendor

modsec_en
able_vendor
_configs

modsec_en
able_vendor
_updates

modsec_get
_config_text

modsec_get
_configs

modsec_get
_configs_wit
h_changes_
pending

modsec_get
_log

modsec_get
_rules

modsec_get
_settings

modsec_get
_vendors

modsec_is_i
nstalled

modsec_ma
ke_config_a
ctive

modsec_make_config_inactive

modsec_preview_vendor

modsec_remove_rule

modsec_remove_setting

modsec_remove_vendor

modsec_report_rule

modsec_set_config_text

modsec_set_setting

modsec_disable_rule

modsec_update_vendor

▼ Packages

_getpkgextensionform

add_override_features_for_user

addpkg

addpkgext

changepackage

create_feature_relist

delete_feature_relist

delpkgext

editpkg

get_available_applications

get_available_featurelists

get_feature_metadata

get_feature_names

get_featurelist_data

get_featureli

sts

get_users_f
eatures_sett
ings

getfeaturelis
t

getpkginfo

killpkg

listpkgs

manage_fea
tures

matchpkgs

read_feature
list

remove_ove
rride_feature
s_for_user

update_feat
urelist

verify_user_
has_feature

▼ PHP

convert_all_
domains_to
_fpm

get_fpm_co
unt_and_util
ization

is_conversio
n_in_progre
ss

php_get_def
ault_accoun
ts_to_fpm

php_get_ha
ndlers

php_get_im
pacted_dom
ains

php_get_ins
talled_versio
ns

php_get_old
_fpm_flag

php_get_sys
tem_default
_version

php_get_vh
osts_by_ver
sion

php_get_vh
ost_versions

php_ini_get
_content

php_ini_get
_directives

php_ini_set
_content

php_ini_set
_directives

php_set_def
ault_accoun
ts_to_fpm

php_set_ha
ndler

php_set_old
_fpm_flag

php_set_ses
sion_save_p
ath

php_set_sys
tem_default
_version

php_set_vh
ost_versions

▼ Resellers

acctcounts

get_public_c
ontact

getresellerip
s

listacIs

listresellers

resellerstats

saveacllist

set_public_c
ontact

setacIs

setresellerip
s

setresellerli
mits

setresellerm
ainip

setresellern
ameservers

setresellerp
ackagelimit

setupreselle
r

suspendres
eller

terminateres
eller

unsetuprese

ller

unsuspendr
eseller

▼ RPM

delete_rpm_
version

edit_rpm_ve
rsion

get_rpm_ver
sion_data

install_rpm_
plugin

list_rpms

package_m
anager_fixc
ache

package_m
anager_get_
build_log

package_m
anager_get_
package_inf
o

package_m
anager_is_p
erforming_a
ctions

package_m
anager_list_
packages

package_m
anager_reso
lve_actions

package_m
anager_sub
mit_actions

package_m
anager_upgr
ade

uninstall_rp
m_plugin

▼ Script Hooks

delete_hook

edit_hook

list_hooks

reorder_hoo
ks

▼ Security

accesshash

authorizessh
key

check_remo
te_ssh_conn
ection

convertopen
sshtoputty

deletesshke
y

fetch_securi
ty_advice

generatessh
keypair

importsshke
y

listsshkeys

▼ Server

Administration

add_configcl
usterserver

configureba
ckgroundpro
cesskiller

configureser
vice

cors_proxy_
get

create_user
_session

delete_confi
gclusterserv
er

enable_mon
itor_all_ena
bled_service
s

get_all_cont
act_importa
nces

get_appconf
ig_applicatio
n_list

get_applicati
on_contact_
event_import
tance

get_applicati
on_contact_
importance

get_availabl
e_profiles

get_current_
profile

get_passwor
d_strength

get_remote_
access_has
h

get_service_
config

get_service_
config_key

get_tcp4_so
ckets

get_tcp6_so
ckets

get_tweakse
tting

get_udp4_s
ockets

get_udp6_s
ockets

get_update_
availability

get_users_li
nks

getdiskusag
e

gethostname

is_role_ena
bled

list_configcl
usterservers

loadavg

nvget

nvset

personalizati
on_get

personalizati
on_set

purchase_a
_license

reboot

remove_in_
progress_ex
im_config_e
dit

restartservic
e

restore_conf
ig_from_file

restore_conf
ig_from_upl
oad

run_cpkeyclt

send_test_p
osturl

send_test_p
ushbullet_n
ote

servicestatu

s

set_applicati
on_contact_
event_imp
ortance

set_applicati
on_contact_
importance

set_primary
_servernam
e

set_service_
config_key

set_tweakse
tting

sethostname

setminimum
passwordstr
engths

start_profile
_activation

system_nee
ds_reboot

systemloada
vg

update_conf
igclusterserv
er

update_cont
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▼ SSL

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▼ Styles and Themes

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▼ Support Tickets

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▼ Transfers

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▼ Updates

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