

WHM API 1 Functions - ea4_recommendations

Guide to WHM API 1

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

Description

This function returns any recommendations attached to your installed EasyApache 4 packages. For more information about the recommendation system, read our EasyApache 4 Recommendations documentation.

Important:

In cPanel & WHM version 76 and later, when you disable the `WebServerRole`, the system **disables** this function. For more information, read our [How to Use Server Profiles](#) documentation.

Examples

JSON API

```
https://hostname.example.com:2087/cpsess#####/json-api/ea4_recommendations?api.version=1
```

XML API

```
https://hostname.example.com:2087/cpsess#####/xml-api/ea4_recommendations?api.version=1
```

- 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

Function information

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.

Notes:

- Scro
- Ycmtus20 or 20)tc

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  
ea4_recommendations
```

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": {  
    "ea-php55-php": {  
      "url": "https://www.example.com",  
      "name": "PHP DSO",  
      "on": "add",  
      "desc": "PHP DSO runs as the user by default. In a shared hosting environment, this is a security issue.",  
      "level": "danger",  
      "options": {  
        "items": [  
          "ea-apache24-mod_ruid2",
```

Find a function

- WHM API 1 Functions - package_manager_resolve_actions — This function resolves the state of a set of Easy Apache 4 RPM packages.

```

_id
verify_new_
username
  ▾ Addon Domains
convert_add
on_fetch_co
nversion_de
tails

convert_add
on_fetch_do
main_details

convert_add
on_get_con
version_stat
us

convert_add
on_initiate_c
onversion

convert_add
on_list_add
on_domains

convert_add
on_list_conv
ersions
  ▾ Authentication
api_token_c
reate

api_token_li
st

api_token_r
evoke

api_token_u
pdate

disable_aut
hentication_
provider

disable_fail
ing_authenti
cation_provi
ders

enable_auth
entication_p
rovider

get_availabl
e_authentic
ation_provid
ers

get_login_ur
l

get_provider
_client_confi
gurations

get_provider
_configurati
on_fields

get_provider
_display_co

```

```

"ea-apache24-mod_mpm_
itk"
    ],
    "recommended":"true",
    "level":"success",
    "text":"We strongly
recommend that you
install one of the
following packages
unless this is a
single-user system:"
    },
    {
    "recommended":"false"
    ,
    "text":"If you use
suPHP, you will add
some security, but
may experience
performance issues on
your server.",
    "level":"warning"
    }
    ]
    },
    },
    "metadata":{
    "command":"ea4_recomm
endations",
    "result":1,
    "version":1,

```

- WHM API 1 Functions - php_get_installed_versions — This function returns the installed PHP versions on a server.
- WHM API 1 Functions - php_get_system_default_version — This function returns the system default PHP version.

configurations

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_data_list

backup_destination_add

backup_destination_delete

```
    "reason": "OK"
  }
}
```

Output (XML)

```
<result>
  <data>
    <ea-php55-php>

    <url>https://www.example.com</url>
      <name>PHP
      DSO</name>
      <on>add</on>

    <level>danger</level>
      <desc>PHP DSO runs as the user by default. In a shared hosting environment, this is a security issue.</desc>
      <options>

    <items>ea-apache24-mod_ruid2</items>

    <items>ea-apache24-mod_mpm_itk</items>

    <recommended>>true</recommended>

    <level>success</level>
    >
      <text>We strongly recommend that you install one of the following packages unless this is a single-user system:</text>
      </options>
    <options>

    <recommended>>false</recommended>
      <text>If you use suPHP, you will add some security,
```

- WHM API 1 Functions - php_get_vhost_versions - This function returns the PHP version of every virtual host on the system.

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

but may experience
performance issues on
your server.</text>

```
<level>warning</level>  
>  
    </options>  
    </ea-php55-php>  
</data>  
<metadata>  
  
<command>ea4_recommen  
dations</command>  
  
<result>1</result>  
  
<version>1</version>
```

flush_cphulk_login_history_for_ips

get_countries_with_known_ip_ranges

get_cphulk_brutes

get_cphulk_excessive_brutes

get_cphulk_failed_logins

get_cphulk_user_brutes

load_cphulk_config

read_cphulk_records

save_cphulk_config

set_cphulk_config_key

▼ Databases

background_mysql_upgrade_status

current_mysql_version

installable_mysql_versions

latest_available_mysql_version

list_databases_users

list_databases

list_mysql_databases_and_users

remote_mysql_create_profile

remote_mysql_create_profile_via_ssh

remote_mysql_delete_profile

remote_mysql_initiate_profile_activation

```
<reason>OK</reason>
  </metadata>
</result>
```

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

Parameters

This function does not accept parameters.

Returns

Return	Type	Description	Possible values	Example
package_name	array of hashes	A hash that contains recommendation information about a package.	This hash includes the name, desc, on, level, and url returns and the options hash.	

Note:
 The function uses the name of the referenced package as the return name. For example, `ea-php56-php`.

ion

remote_mysql_monitor_profile_activation

remote_mysql_read_profile

remote_mysql_read_profiles

remote_mysql_update_profile

remote_mysql_validate_profile

rename_mysql_database

rename_mysql_user

rename_postgresql_database

rename_postgresql_user

set_local_mysql_root_password

set_mysql_password

set_postgresql_password

start_background_mysql_upgrade

▼ DNS

adddns

addzonerecord

addzonerecord (Reverse DNS)

dumpzone

editzonerecord

get_nameserver_config

getzonerecord

has_local_authority

name	string	The recommendation's name. The function returns this value in the package_name hash.	A valid string.	DSO
desc	string	The recommendation's description. The function returns this value in the package_name hash. Note : The function only returns this value if it exists.	A valid string.	PHP DSO runs as the user by default.
on	string	The action that triggers a recommendation. The function returns this value in the package_name hash.	<ul style="list-style-type: none"> • add • remove 	add
url	string	A URL to provide more information. The function returns this value in the package_name hash. Note : The function only returns this value if it exists.	A valid URL.	http://www.example.com
level	string			danger

killdns
listmxs
listzones
lookupnsip
lookupnsips
removezone
record
resetzone
resolvedomainname
savemxs
setresolvers
update_nameservers_config

▼ EasyApache

ea4_get_currently_installed_packages
ea4_get_ea_pkgs_state
ea4_list_profiles
ea4_metadata
ea4_migration
ea4_pre_migrate_check
ea4_recommendations
ea4_save_profile
ea4_tomcat85_add
ea4_tomcat85_list
ea4_tomcat85_rem

▼ Greylisting

cpgreylist_is_server_network_blocked
cpgreylist_list_entries_for_common_mail_provider
cpgreylist_load_common_mail_provider

The level that triggers a recommendation to appear, based on Bootstrap 3 alert components.

The function returns this value in the package_name hash.

- primary
- success
- info
- warning
- danger

Note

- This function only returns this value if it exists.

<p>ers_config</p> <p>cpgreylist_save_common_mail_providers_config</p> <p>cpgreylist_status</p> <p>cpgreylist_trust_entries_for_common_mail_provider</p> <p>cpgreylist_untrust_entries_for_common_mail_provider</p> <p>create_cpgreylist_trusted_host</p> <p>delete_cpgreylist_trusted_host</p> <p>disable_cpgreylist</p> <p>enable_cpgreylist</p> <p>load_cpgreylist_config</p> <p>read_cpgreylist_deferred_entries</p> <p>read_cpgreylist_trusted_host</p> <p>save_cpgreylist_config</p>			<ul style="list-style-type: none"> • This is returned in 'value' on 'array' object. 		
<p>Integration</p> <p>batch</p> <p>cpanel</p> <p>create_integration_group</p> <p>create_integration_link</p>	<p>options</p>	<p>array of hashes</p>	<p>A hash that contains each option for the package's recommendations.</p> <p>The function returns this value in the package_name hash.</p>	<p>This hash includes the level, items, recommended, text, and url returns.</p>	
<p>get_integration_link_user_config</p> <p>list_integration_groups</p> <p>list_integration_links</p> <p>remove_integration_group</p> <p>remove_integration</p>	<p>level</p>	<p>string</p>	<p>The level that triggers a recommendation to appear, based on Bootstrap 3 alert components.</p> <p>The function returns this value in the options hash.</p>	<ul style="list-style-type: none"> • primary • success • info • warning • danger 	<p>danger</p>
			<p>Note:</p>		

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

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n
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v
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e
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f
i
t
e
x
i
s
t
s
.

mailbox_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

• This returns a value only if the user sets the flag.

items

array

An array of information that corresponds with a text value.

The function returns this value in the options hash.

Note: The function only returns this value if it exists.

A valid array.

ea-apache24-mod_ruid2

Boolean

true

validate_current_install_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_assemble_config_text
modsec_batch_settings
modsec_check_rule
modsec_clone_rule

recommended

The type of recommendation that the interface will return.

The function returns this value in the options hash.

Notes:

The function normally returns true if the existing configuration file exists. If the function condition is not met

- true – Recommended
- false – Not recommended.

modsec_deploy_all_rule_changes
modsec_deploy_rule_changes
modsec_deploy_settings_changes
modsec_disable_rule
modsec_disable_vendor
modsec_disable_vendor_configs
modsec_disable_vendor_updates
modsec_discard_all_rule_changes
modsec_discard_rule_changes
modsec_edit_rule
modsec_enable_vendor
modsec_enable_vendor_configs
modsec_enable_vendor_updates
modsec_get_config_text
modsec_get_configs
modsec_get_configs_with_changes_pending
modsec_get_log
modsec_get_rules
modsec_get_settings
modsec_get_vendors
modsec_is_installed
modsec_make_config_active

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h
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p
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a
y
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h
e
i
n
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r
f
a
c
e
i
s
i
n
f
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r
m
a
t
i
o
n
a

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_uninstall_rule

modsec_update_vendor

▼ Packages

_getpkgextensionform

add_override_features_for_user

addpkg

addpkgext

changepackage

create_featurelist

delete_featurelist

delpkgext

editpkg

get_available_applications

get_available_featurelists

get_feature_metadata

get_feature_names

get_featurelist_data

get_featureli

	u r l	string	<p>A URL that provides more information.</p> <p>The function returns this value in the options hash.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Note : The function only returns this value if it exists.</p> </div>	A valid URL.	http://www.example.com
	t e x t	string	<p>The text returned in the user interface.</p> <p>The function returns this value in the options hash.</p>	A valid string.	If you use suPHP, you will add some security, but may experience performance issues.

sts

get_users_f
eatures_sett
ings

getfeaturelis
t

getpkginfo

killpkg

listpkgs

manage_fea
tures

matchpkgs

read_feature
list

remove_ove
rride_featu
res_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
act_email

verify_aim_a
ccess

verify_icq_a
ccess

verify_oscar
_access

verify_postu
rl_access

verify_pushb
ullet_access

▼ SSL

disable_aut
ossl

fetch_servic
e_ssl_comp
onents

fetch_ssl_ce
rtificates_for
_fqdns

fetch_ssl_vh
osts

fetch_vhost
_ssl_compo
nents

fetchcrtinfo
fetchsslinfo
generatessl
get_autossl
_check_schedule
get_autossl
_log
get_autossl
_logs_catalog
get_autossl
_metadata
get_autossl
_pending_queue
get_autossl
_pending_queue_for_domain
get_autossl
_pending_queue_for_user
get_autossl
_problems_for_domain
get_autossl
_problems_for_user
get_autossl
_providers
get_best_ssl
domain_for_service
install_service_ssl_certificate
installssl
listcrts
rebuildinstall
edssldb
rebuildusers
sldb
reset_autossl_provider
reset_service_ssl_certificate
set_autossl_metadata
set_autossl_metadata_key

set_autossl_
provider

start_autossl_
check_for_
all_users

start_autossl_
check_for_
one_user

▼ Styles and Themes

generate_cp
anel_plugin

list_styles

load_style

remove_log
o

remove_styl
e

save_style

set_default

▼ Support Tickets

ticket_creat
e_stub_ticke
t

ticket_get_s
upport_agre
ement

ticket_get_s
upport_info

ticket_grant

ticket_list

ticket_remov
e_closed

ticket_revok
e

ticket_ssh_t
est

ticket_ssh_t
est_start

ticket_updat
e_service_a
greement_a
pproval

ticket_valida
te_oauth2_c
ode

ticket_whitel
ist_check

ticket_whitel
ist_setup

ticket_whitel
ist_unsetup

▼ Transfers

abort_transf
er_session

analyze_tra
nsfer_sessio
n_remote

available_tr
ansfer_mod
ules

create_remo
te_root_tran
sfer_session

create_remo
te_user_tran
sfer_session

delete_accou
nt_archives

enqueue_tra
nsfer_item

fetch_transf
er_session_l
og

get_transfer
_session_st
ate

pause_trans
fer_session

remote_basi
c_credential
_check

retrieve_tran
sfer_session
_remote_an
alysis

start_transfe
r_session

transfer_mo
dule_schem
a

validate_sys
tem_user

▼ Updates

accept_eula

get_availabl
e_tiers

get_current_
lts_expiratio
n_status

get_lts_wex
pire

getlongterm
support

installed_ver
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