

WHM API 1 Functions - modsec_set_setting

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 sets a global ModSecurity™ configuration directive.

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/modsec_set_setting?api.version=1&setting_id=8&state=2000
```

XML API

```
https://hostname.example.com:2087/cpsess#####/xml-api/modsec_set_setting?api.version=1&setting_id=8&state=2000
```

Function information

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.

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ue_list_pending
restore_queue_state
restoreaccount
verify_new_username_or_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  
modsec_set_setting  
setting_id=8  
state=2000
```

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
```

Find a function

- WHM API 1 Functions - modsec_add_rule — This function adds a new rule to a Mod Security™ configuration staging file.

_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

▼ Output (JSON)

```
{
  "data": {
    "setting_id":
8,
    "name": "Perl
Compatible Regular
Expressions Library
Match Limit",
    "default":
1500,
    "validation":
[
  "positiveInteger"
],
    "description":
"Define the match
limit of the Perl
Compatible Regular
Expressions
library.",
    "state":
"2000",
    "url":
"https://github.com/S
piderLabs/ModSecurity
/wiki/Reference-Manua
l#secprematchlimit",
    "directive":
"SecPcreMatchLimit",
    "type":
"number"
  },
  "metadata": {
    "version": 1,
    "reason":
"OK",
    "result": 1,
    "command":
"modsec_set_setting"
  }
}
```

- WHM API 1 Functions - modsec_assemble_configuration This function adds text to a ModSecurity™ configuration file.
- WHM API 1 Functions - modsec_add_vendor — This function adds a new ModSecurity™ vendor or rule set to the server.

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_data_list

backup_destination_add

backup_destination_delete

Output (XML)

```

<result>
  <data>
    <name>Perl Compatible Regular Expressions Library Match Limit</name>

    <default>1500</default>

    <description>Define the match limit of the Perl Compatible Regular Expressions library.</description>

    <directive>SecPcreMatchLimit</directive>

    <setting_id>8</setting_id>

    <state>2000</state>

    <type>number</type>

    <url>https://github.com/SpiderLabs/ModSecurity/wiki/Reference-Manual#secprematchlimit</url>

    <validation>positiveInteger</validation>
  </data>
  <metadata>

    <command>modsec_set_setting</command>

    <reason>OK</reason>

    <result>1</result>

    <version>1</version>
  </metadata>
</result>

```

- WHM API 1 Functions - modsec_clone_rule - This function copies a ModSecurity™ rule with a new rule ID.

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
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 toggle_user
 _backup_sta
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 v cPHulk

 cphulk_statu
 s

 create_cphu
 lk_record

 delete_cphu
 lk_record

 disable_cph
 ulk

 enable_cph
 ulk

 flush_cphulk
 _login_histo
 ry

Note:

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

Parameters

Parameter	Type	Description	Possible values	Example
setting_id	integer	Required The setting's ID.	A non-negative integer. Note : The WHM API 1 module settings function returns this value.	8
state	string	Required The setting's new state. The function uses this string as a valid argument for the directive.	A valid string. Note : For more information, read our Mod Security documentation.	2000

Returns

Return	Type	Description	Possible values	Example
default	string	The setting's default value.	A valid string	1500

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_database_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

description	string	The setting's description.	A valid string.	▼ Click to view... This setting allows you to define the match limit of the PCRE library.
directive	string	The setting's Apache directive.	A valid directive name.	SecPcreMatchLimit
name	string	The setting's name.	A valid string.	PCRE library match limit
radio_options	array of hashes	An array of hashes of the options that the client should display, as buttons, for this setting in a user interface.	Read the Radio options section below for a list of possible values.	
		<div style="border: 1px solid orange; padding: 5px;"> <p>Note :</p> <p>The function <code>only returns this array of hashes when you set the type parameter's value to radio.</code></p> </div>		
setting_id	integer	The setting's ID.	A valid non-negative integer.	8
state	integer	The setting's new state.	The argument to the directive.	2000
type	string	The type of UI control that the client should use to represent the setting.	<ul style="list-style-type: none"> text — WHM users modify this setting via a text box. radio — WHM users modify this setting via a radio button. 	text

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

addns

addzonerecord

addzonerecord (Reverse DNS)

dumpzone

editzonerecord

get_nameserver_config

getzonerecord

has_local_authority

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I
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m
e

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

▼ EasyApache

ea4_get_cur
rently_install
ed_packages

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

r
r
a
y
o
f
h
a
s
h
e
s

ers_config
 cpgreyl
 ave_commo
 n_mail_provi
 ders_config
 cpgreyl
 st
 atus
 cpgreyl
 tr
 ust_entries_
 for_common
 _mail_provid
 er
 cpgreyl
 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

			 <ul style="list-style-type: none"> number — WHM users modify this setting via a text box that only allows numeric values. 	
url	string	The URL for the setting's documentation.	A valid URL.	Click to view... https://github.com/SpiderLabs/ModSecurity/wiki/Reference-Manual#secprematchlimit
validation	array	An array of validators to apply.	Read the Validators section below for a list of possible values.	

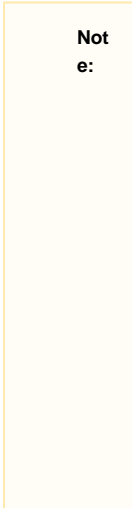
load_cpgrey
 list_config
 read_cpgrey
 list_deferred
 _entries
 read_cpgrey
 list_trusted_
 host
 save_cpgrey
 list_config

Radio options

[Click to view...](#)

The function **only** returns this data if the setting's value for the `type` parameter is `radio`. The function returns this information as a set of hashes within the `radio_options` array.

Each hash contains the following returns:

Return	Type	Description	Possible values	Example
option	string	The setting name that the WHM API uses to select the setting's state.	A valid string.	On
				

[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_integ
 ration_grou
 p
 remove_inte

gration_link
 update_integrations_link_token
 ▾ IP Addresses
 addips
 delip
 get_public_ip
 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_public_ip
 setsiteip
 ▾ Mail
 disable_dkim
 disable_mail_sni
 emailtrack_search
 emailtrack_stats
 emailtrack_user_stats
 enable_dkim
 enable_mail_sni
 ensure_dkim_keys_exist
 exim_configuration_check
 expunge_m

The string that the option key returns is identical to the string that the client sends in the state field when users select this option. In most cases, do **not** display this value to the user. Instead, display the name value.

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_spamdb_config
 set_user_email_forward_destination
 suspend_outgoing_email
 unsuspend_outgoing_email

name	string	The setting name to display to the user. The user's locale may translate this value.	A valid string.	Log all transactions.
------	--------	--	-----------------	-----------------------

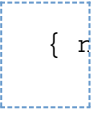
Validators

[Click to view...](#)

The function may specify one or more validators for a setting. The client should use these validators to perform front-end validation through the preferred implementation methods.

The function may represent each validator as either a string or a hash.

- When the function represents the validator as a string, no arguments exist for the validator.
- When the function represents the validator as a hash, the WHM API may also include an argument for the validator.

Validator	Validator description	Argument description	Example
path	Instructs the client to verify that the user's input is a valid path.	(none)	path
startsWith	Instructs the client to verify that the user's input begins with the pattern that the argument specifies.	A string that represents a regular expression to apply against the user input.	 <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note: This example is JSON-encoded, to illustrate the validator's structure.</p> </div>
honeypotAccessKey	Instructs the client to verify that the user's input fits the constraints of an Http:BL API access key.	(none)	honeypotAccessKey
positiveInteger	Instructs the client to verify that the user's input is a positive integer.	(none)	positiveInteger

validate_currency_installed_exim_config

validate_currency_dkims

validate_currency_ptrs

validate_currency_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_add_rule

modsec_add_vendor

modsec_assemble_config_text

modsec_batch_settings

modsec_check_rule

modsec_clone_rule

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
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setresellerli
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setresellerp
ackagelimit

setupreselle
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suspendres
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terminateres
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▼ 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_conf
gclusterserv
er

enable_mon
itor_all_ena
bled_service
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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
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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
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servicestatu

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set_applicati
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event_imp
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set_applicati
on_contact_
importance

set_primary
_servernam
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set_service_
config_key

set_tweakse
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sethostname

setminimum
passwordstr
engths

start_profile
_activation

system_nee
ds_reboot

systemloada
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update_conf
igclusterserv
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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
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get_transfer
_session_st
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pause_trans
fer_session

remote_basi
c_credential
_check

retrieve_tran
sfer_session
_remote_an
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start_transfe
r_session

transfer_mo
dule_schem
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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
sions

set_cpanel_
updates

set_tier

update_upd
ateconf

version