

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.

Notes:

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ue_list_pending
restore_queue_state
restoreaccount
verify_new_username_for_restore

Accounts

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

Addon Domains

Command Line

```
whmapil  
modsec_set_setting  
setting_id=8  
state=2000
```

Notes:

- 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.

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
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api_token_li
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api_token_r
evoke

api_token_u
pdate

disable_aut
hentication_
provider

disable_fail
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cation_provi
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enable_auth
entication_p
rovider

get_availabl
e_authentic
ation_provi
ders

get_login_ur
l

get_provider
_client_confi
gurations

get_provider
_configurati
on_fields

get_provider
_display_co
nfigurations

get_users_a
uthn_linked
_accounts

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_add_vendor — This function adds text to a Mod Security™ configuration file.
- WHM API 1 Functions - modsec_add_vendor — This function adds a new Mod Security™ vendor rule set to the server.

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
backup_destination_get
backup_destination_list

▼ 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#secpcrematchlimit</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 Mod Security™ rule with a new rule ID.

backup_dest
 ination_set

 backup_dest
 ination_valid
 ate

 backup_get
 _transport_s
 tatus

 backup_list_
 transported

 backup_set_
 list

 backup_skip
 _users_all

 backup_skip
 _users_all_s
 tatus

 backup_use
 r_list

 convert_and
 _migrate_fro
 m_legacy_c
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 get_users_w
 ith_backup_
 metadata

 list_cparchiv
 e_files

 start_backgr
 ound_pkgac
 ct

 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

 flush_cphulk
 _login_histo
 ry_for_ips

 get_countrie
 s_with_kno
 wn_ip_rang
 es

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

[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](#)
[remote_mysql_monitor_profile_activation](#)
[remote_mysql_read_profile](#)

description	<i>string</i>	The setting's description.	A valid string.	▼ Click to view... This setting allows you to define the match limit of the PCRE library.
directive	<i>string</i>	The setting's Apache directive.	A valid directive name.	SecPcreMatchLimit
name	<i>string</i>	The setting's name.	A valid string.	PCRE library match limit
radio_options	<i>array of hashes</i>	An array of hashes of the options that the client should display, as buttons, for this setting in a user interface. <div style="border: 1px solid orange; padding: 5px; margin: 10px 0;"> <p>Note : The function <code>only_returns_this_array_of_hashes_when_you_set_the_type_parameter's_value_to_radio</code>.</p> </div>	Read the Radio options section below for a list of possible values.	
setting_id	<i>integer</i>	The setting's ID.	A valid non-negative integer.	8
state	<i>integer</i>	The setting's new state.	The argument to the directive.	2000
type	<i>string</i>	The type of UI control that the client should use to represent the setting.	<ul style="list-style-type: none"> • <code>text</code> — WHM users modify this setting via a text box. • <code>radio</code> — WHM users modify this setting via a radio button. 	text

ile
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
killdns
listmxs
listzones
lookupnsip
lookupnsips

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I
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y
p
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p
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a
m
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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_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
ers_config

cpgreylist_s
ave_commo
n_mail_provi
ders_config

cpgreylist_st
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cpgreylist_tr
ust_entries_

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y
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h
a
s
h
e
s

for_common_mail_provider

cpgreylist_untrusted_entries_for_common_mail_provider

create_cpgreylist_trusted_host

delete_cpgreylist_trusted_host

disable_cpgreylist

enable_cpgreylist

load_cpgreylist_config

read_cpgreylist_deferred_entries

read_cpgreylist_trusted_host

save_cpgreylist_config

			 <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.	

Integration

batch

cpanel

create_integration_group

create_integration_link

get_integration_link_user_config

list_integration_groups

list_integration_links

remove_integration_group

remove_integration_link

update_integration_link_token

IP Addresses

addips

delip

get_public_i

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
		<div style="border: 1px solid yellow; padding: 5px; text-align: center;"> Not e: </div>		

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
ailbox_mess
ages
expunge_m
essages_for
_mailbox_gu
id
fetch_dkim_
private_keys
fetch_mail_

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.

[queue](#)
[generate_mobileconfig](#)
[get_mailbox_status](#)
[get_mailbox_status_list](#)
[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](#)
[validate_current_installed_exim_config](#)
[validate_current_dkim](#)
[validate_current_ptr](#)
[validate_current_spfs](#)
[validate_exim_configuration_syntax](#)

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 dashed blue; padding: 5px; display: inline-block;">{ r</div> <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

[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

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_disable_all_rule_changes

modsec_disable_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

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_un
disable_rule

modsec_up
date_vendor

▼ Packages

_getpkgexte
nsionform

add_overrid
e_features_f
or_user

addpkg

addpkgext

changepack
age

create_featu
relist

delete_featu
relist

delpkgext

editpkg

get_availabl
e_applicatio
ns

get_availabl
e_featurelist
s

get_feature_
metadata

get_feature_
names

get_featureli
st_data

get_featureli
sts

get_users_f
eatures_sett
ings

getfeaturelis
t

getpkginfo

killpkg

listpkgs

manage_fea
tures

matchpkgs

read_feature
list

remove_override_features_for_user

update_featurelist

verify_user_has_feature

▼ PHP

convert_all_domains_to_fpm

get_fpm_count_and_utilization

is_conversion_in_progress

php_get_default_accounts_to_fpm

php_get_handlers

php_get_impacted_domains

php_get_installed_versions

php_get_old_fpm_flag

php_get_system_default_version

php_get_versions_by_version

php_get_versions

php_ini_get_content

php_ini_get_directives

php_ini_set_content

php_ini_set_directives

php_set_default_accounts_to_fpm

php_set_handler

php_set_old_fpm_flag

php_set_session_save_p

ath

php_set_sys
tem_default
_version

php_set_vh
ost_versions

▼ Resellers

acctcounts

get_public_c
ontact

getresellerip
s

listacts

listresellers

resellerstats

saveacllist

set_public_c
ontact

setacts

setresellerip
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setresellerli
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setresellern
ameservers

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
shtoputty

deletesshke
y

generatessh
keypair

importsshke
y

listsshkeys

▼ Server

Administration

add_configcl
usterserver

configureba

ckgroundpro
cesskiller

configureser
vice

cors_proxy_
get

create_user
_session

delete_confi
gclusterserv
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enable_mon
itor_all_ena
bled_service
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get_all_cont
act_importa
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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
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get_service_
config

get_service_
config_key

get_tweakse
tting

get_update_
availability

get_users_li
nks

getdiskusag
e

gethostname

is_role_ena
bled

list_configcl
usterservers

loadavg
nvget
nvset
personalization_get
personalization_set
purchase_application_license
reboot
remove_in_progress_exim_configuration
restartservice
restore_configuration_from_file
restore_configuration_from_upload
run_cpkeyctl
send_test_posturl
send_test_pushbullet_notification
servicestatus
set_application_contact_event_importance
set_application_contact_importance
set_primary_servername
set_service_configuration_key
set_tweaking
sethostname
setminimumpasswordstrengths
start_profile_activation
systemneeds_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_sch
edule

get_autossl
_log

get_autossl
_logs_catalo
g

get_autossl
_metadata

get_autossl
_pending_q
ueue

get_autossl
_pending_q
ueue_for_do
main

get_autossl
_pending_q
ueue_for_us
er

get_autossl
_problems_f
or_domain

get_autossl
_problems_f
or_user

get_autossl
_providers

get_best_ssl
domain_for_
service

install_servi
ce_ssl_certif
icate

installssl

listcrts

rebuildinstall
edssldb

rebuildusers
sldb

reset_autos
ssl_provider

reset_servic
e_ssl_certifi
cate

set_autossl_
metadata

set_autossl_
metadata_k
ey

set_autossl_
provider

start_autoss
l_check_for_
all_users

start_autoss
l_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
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ticket_get_s
upport_agre
ement

ticket_get_s
upport_info

ticket_grant

ticket_list

ticket_remov
e_closed

ticket_revok
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ticket_ssh_t
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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
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get_transfer
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pause_trans
fer_session

remote_basi
c_credential
_check

retrieve_tran
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_remote_an
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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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set_cpanel_
updates

set_tier

update_upd
ateconf

version