

WHM API 1 Functions - modsec_batch_settings

Guide to WHM API 1

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Description

This function adds, updates, and removes global ModSecurity™ configuration directives. The function modifies these directives in the `/usr/local/apache/conf/modsec2.cpanel.conf` file.



Important:

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

Examples

```
https://hostname.example.com:2087/cpsess#####/json-api/modsec_batch_settings?api.version=1&setting_id1=0&state1=On&setting_id2=3&state2=Off&setting_id3=1&state3=On
```

```
https://hostname.example.com:2087/cpsess#####/xml-api/modsec_batch_settings?api.version=1&setting_id1=0&state1=On&setting_id2=3&state2=Off&setting_id3=1&state3=On
```

```
whmapil modsec_batch_settings setting_id1=0 state1=On setting_id2=3 state2=Off setting_id3=1 state3=On
```



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
```

```
{  "data": {    "updated_settings": [      {        "setting_id": 0,        "name": "Audit Log Level",        "default": "Off",        "description": "This setting controls the behavior of the audit engine.",        "state": "On",        "engine": 1,        "url": "https://github.com/SpiderLabs/ModSecurity/wiki/Reference-Manual#secauditengine",        "radio_options": [          {            "name": "Log all transactions.",
```

Function information

API Version: [WHM API 1](#)
Available in: WHM 11.46+
Methods: GET, POST
Required Parameters: `setting_id`, `state`
Return Format: JSON, XML



Important:

cPanel & WHM version 66 [deprecated](#) XML output.

About WHM API 1

WHM API 1 performs functions and accesses data in WHM.



Notes:

applist
 createacct
 domainuserdata
 editquota
 forcepasswordchange
 get_current_users_count
 get_disk_usage
 get_domain_info
 getdomainowner
 get_maximum_users
 getminimumpasswordstrengths
 has_digest_auth
 has_mycnf_or_cpuser
 limitbw
 list_users
 listaccts
 listlockedaccounts
 listsuspended
 modifyacct
 myprivs
 passwd
 quota_enabled
 removeacct
 set_digest_auth
 showbw
 suspendacct
 unsuspendacct
 untrack_acct_id
 verify_new_username
 convert_addon_fetch_conversion_details

```

    "option": "On"
  },
  {
    "name": "Do not log any transactions.",
    "option": "Off"
  },
  {
    "name": "Only log noteworthy
transactions.",
    "option": "RelevantOnly"
  }
],
"directive": "SecAuditEngine",
"type": "radio"
},
{
  "setting_id": 3,
  "name": "Backend Compression",
  "default": "Off",
  "description": "Disables backend compression
while leaving the frontend compression enabled.",
  "state": "Off",
  "radio_options": [
    {
      "name": "Disabled",
      "option": "On"
    },
    {
      "name": "Enabled",
      "option": "Off"
    }
  ],
  "url": "https://github.com/SpiderLabs
/ModSecurity/wiki/Reference-
Manual#secdisablebackendcompression",
  "directive": "SecDisableBackendCompression",
  "type": "radio"
},
{
  "setting_id": 1,
  "name": "Connections Engine",
  "default": "Off",
  "description": "This setting controls the
behavior of the connections engine.",
  "state": "On",
  "engine": 1,
  "radio_options": [
    {
      "name": "Process the rules.",
      "option": "On"
    },
    {
      "name": "Do not process the rules.",
      "option": "Off"
    },
    {
      "name": "Process the rules in verbose
mode, but do not execute disruptive actions.",
      "option": "DetectionOnly"
    }
  ],
  "url": "https://github.com/SpiderLabs
/ModSecurity/wiki/Reference-Manual#secconnengine",
  "directive": "SecConnEngine",
  "type": "radio"
}
]
},
"metadata": {
  "version": 1,
  "reason": "OK",

```

• Some functions are parameter names that you attribute to the router.

convert_addon_fetch_domain_details

convert_addon_get_conversion_status

convert_addon_initiate_conversion

convert_addon_list_addon_domains

convert_addon_list_conversions

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_configurations

get_users_within_linked_accounts

link_user_authn_provider

set_provider_client_configurations

set_provider_display_configurations

twofactorauth_disable_policy

```
"result":1,
"command":"modsec_batch_settings"
}
}
```

```
<result>
  <data>
    <updated_settings>
      <setting_id>0</setting_id>
      <name>Audit Log Level</name>
      <default>Off</default>
      <description>
        This setting controls the behavior of the
        audit engine.
      </description>
      <state>On</state>
      <engine>1</engine>
      <url>
        https://github.com/SpiderLabs/ModSecurity
        /wiki/Reference-Manual#secauditengine
      </url>
      <radio_options>
        <name>Log all transactions.</name>
        <option>On</option>
      </radio_options>
      <radio_options>
        <name>Do not log any transactions.</name>
        <option>Off</option>
      </radio_options>
      <radio_options>
        <name>Only log noteworthy transactions.<
        /name>
        <option>RelevantOnly</option>
      </radio_options>
      <directive>SecAuditEngine</directive>
      <type>radio</type>
    </updated_settings>
    <updated_settings>
      <setting_id>3</setting_id>
      <name>Backend Compression</name>
      <default>Off</default>
      <description>
        Disables backend compression while
        leaving the frontend compression enabled.
      </description>
      <state>Off</state>
      <radio_options>
        <name>Disabled</name>
        <option>On</option>
      </radio_options>
      <radio_options>
        <name>Enabled</name>
        <option>Off</option>
      </radio_options>
      <url>
        https://github.com/SpiderLabs/ModSecurity
        /wiki/Reference-Manual#secdisablebackendcompression
      </url>
      <directive>SecDisableBackendCompression<
      /directive>
      <type>radio</type>
    </updated_settings>
    <updated_settings>
      <setting_id>1</setting_id>
      <name>Connections Engine</name>
      <default>Off</default>
      <description>
        This setting controls the behavior of the
```

• You must use the appropriate WHM ports (2080 or 2087) to call WHM API functions.

Find a function

Related functions

[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](#)
[backup_config_get](#)
[backup_config_set](#)
[backup_date_list](#)
[backup_destination_add](#)
[backup_destination_delete](#)
[backup_destination_get](#)
[backup_destination_list](#)
[backup_destination_set](#)
[backup_destination_validate](#)
[backup_get_transport_status](#)
[backup_list_transported](#)
[backup_set_list](#)
[backup_set_list_combined](#)
[backup_skip_users_all](#)

```

connections engine.
</description>
<state>On</state>
<engine>1</engine>
<radio_options>
  <name>Process the rules.</name>
  <option>On</option>
</radio_options>
<radio_options>
  <name>Do not process the rules.</name>
  <option>Off</option>
</radio_options>
<radio_options>
  <name>
    Process the rules in verbose mode,
    but do not execute disruptive actions.
  </name>
  <option>DetectionOnly</option>
</radio_options>
<url>
  https://github.com/SpiderLabs/ModSecurity
/wiki/Reference-Manual#secconnengine
</url>
<directive>SecConnEngine</directive>
<type>radio</type>
</updated_settings>
</data>
<metadata>
  <version>1</version>
  <reason>OK</reason>
  <result>1</result>
  <command>modsec_batch_settings</command>
</metadata>
</result>

```



Note:

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

- [WHM API 1 Sections - ModSecurity](#) — ModSecurity functions allow you to manage ModSecurity rules and vendors on your server.
- [WHM API 1 Functions - modsec_add_rule](#) — This function adds a new rule to a ModSecurity™ configuration staging file.
- [WHM API 1 Functions - modsec_add_vendor](#) — This function adds a new ModSecurity™ vendor rule set to the server.
- [WHM API 1 Functions - modsec_batch_settings](#) — This function adds, updates, and removes global ModSecurity™ configuration directives.
- [WHM API 1 Functions - modsec_clone_rule](#) — This function copies a ModSecurity™ rule with a new rule ID.

Parameters

Parameter	Type	Description	Possible values	Example
setting_id	integer	<p>Required</p> <p>The configuration setting's ID.</p> <div data-bbox="646 1619 686 1654" data-label="Image"> </div> <p>Note:</p> <p>Increment the parameter name to specify more than one setting_id parameter (for example, setting_id1 and setting_id2).</p>	A positive integer.	1

backup_skip_users_all_status

backup_user_list

convert_and_migrate_from_legacy_config

get_users_with_backup_metadata

list_cparchive_files

start_background_pkgacct

toggle_user_backup_state

participate_in_analytics

cphulk_status

create_cphulk_record

delete_cphulk_record

disable_cphulk

enable_cphulk

flush_cphulk_login_history

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

background_mysql_upgrade_status

state	string	<p>Required</p> <p>The configuration setting's current state.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Note:</p> <p>Increment the parameter name to specify more than one state parameter (for example, state1 and state2).</p> </div>	<ul style="list-style-type: none"> On Off <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Note:</p> <p>Some settings can accept additional values for this parameter.</p> </div>	Off
remove	Boolean	<p>Whether to add or remove the configuration setting in the /usr/local/apache/conf/modsec2.cpanel.conf file.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Note:</p> <p>Increment the parameter name to specify more than one state parameter (for example, remove1 and remove2).</p> </div>	<ul style="list-style-type: none"> 1 — Remove the configuration setting. 0 — Add the configuration setting. 	0

Returns

Return	Type	Description	Possible values	Example
updated_settings	array of hashes	An array of hashes of setting information.	Each hash contains the setting_id, name, default, description, state, engine, url, directive, and type returns and the radio_options array of hashes.	
setting_id	string	The setting ID. The function returns this value in the updated_settings array.	A positive integer.	1
name	string	The setting's name. The function returns this value in the updated_settings array.	A valid string.	Audit Log Level
default	string	The setting's default value. The function returns this value in the updated_settings array.	A positive integer.	1500
description	string	The setting's description. The function returns this value in the updated_settings array.	A valid string.	define the match limit of the PCRE library.

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

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

state	<i>string</i>	The setting's current state. The function returns this value in the updated_settings array.	The state input parameter's value for the setting.	On
engine	<i>Boolean</i>	Whether the setting is an engine directive. The function returns this value in the updated_settings array.	<ul style="list-style-type: none"> • 1 — Engine directive. • 0 — Normal directive. 	1
url	<i>string</i>	The URL of the setting's entry in the ModSecurity reference manual. The function returns this value in the updated_settings array.	A valid URL.	https://github.com/SpiderLabs/ModSecurity/wiki/Reference-Manual#secprematchlimit
radio_options	<i>array of hashes</i>	An array of hashes that contain the setting's options' display information. The function returns this array in the updated_settings array.	Each hash contains the name and option returns.	
name	<i>string</i>	The option's display name. The function returns this value in the radio_options array.	A valid string.	Log all transactions.
option	<i>string</i>	The option. The function returns this value in the radio_options array.	A valid option name.	On
directive	<i>string</i>	The setting's Apache configuration directive. The function returns this value in the updated_settings array.	A valid directive name.	SecAuditEngine
type	<i>string</i>	The form element that the WHM interface uses to display this setting. The function returns this value in the updated_settings array.	<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. • number — WHM users modify this setting via a text box that only allows numeric values. 	radio

start_backgro
und_mysql_u
pgrade

adddns

addzonereco
rd

addzonereco
rd (Reverse
DNS)

create_parke
d_domain_fo
r_user

dumpzone

editzonerecord

get_nameser
ver_config

getzonerecord

has_local_au
thority

killdns

listmxs

listzones

lookupnsip

lookupnsips

removezoner
ecord

resetzone

resolvedomai
nname

savemxs

setresolvers

update_nam
eservers_con
fig

ea4_get_curr
ently_installe
d_packages

ea4_get_ea_
pkgs_state

ea4_list_profi
les

ea4_metainfo

ea4_migration

ea4_pre_mig
rate_check

ea4_recomm
endations

ea4_save_pr
ofile

ea4_tomcat8
5_add

ea4_tomcat8
5_list

ea4_tomcat8
5_rem

cpgreylist_is_
server_netblo
ck_trusted

cpgreylist_list
_entries_for_
common_mai
l_provider

cpgreylist_lo
ad_common_
mail_provide
r_s_config

cpgreylist_sa
ve_common_
mail_provide
r_s_config

cpgreylist_st
atus

cpgreylist_tru
st_entries_for
_common_m
ail_provider

cpgreylist_un
trust_entries_
for_common_
_mail_provid
er

create_cpgre
ylist_trusted_
host

delete_cpgre
ylist_trusted_
host

disable_cpgr
eylist

enable_cpgr
eylist

load_cpgreyli
st_config

read_cpgreyli
st_deferred_
entries

read_cpgreyli
st_trusted_ho
st

save_cpgreyli
st_config

batch

cpanel

create_integr
ation_group

create_integr
ation_link

get_integratio
n_link_user_
config

list_integratio
n_groups

list_integratio
n_links

remove_integ
ration_group

remove_integ
ration_link

update_integ
ration_link_to
ken

addips

delip

get_public_ip

get_shared_ip

ipv6_disable_
_account

ipv6_enable_
account

ipv6_range_a
dd

ipv6_range_e
dit

ipv6_range_li
st

ipv6_range_r
emove

ipv6_range_u
sage

listips

nat_checkip

nat_set_publi
c_ip

setsiteip

disable_dkim

disable_mail_
_sni

emailtrack_s
earch

emailtrack_st
ats

emailtrack_u
ser_stats

enable_dkim

enable_mail_
sni

ensure_dkim_
_keys_exist

exim_configuration_check

expunge_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

validate_current_installed_exim_config

validate_curr
ent_dkims

validate_curr
ent_ptr

validate_curr
ent_spfs

validate_exi
m_configurati
on_syntax

disable_mark
et_provider

enable_mark
et_provider

get_adjusted
_market_pro
viders_produ
cts

get_market_
providers_co
mmission_co
nfig

get_market_
providers_list

get_market_
providers_pr
oduct_metad
ata

get_market_
providers_pr
oducts

set_market_p
roduct_attri
bute

set_market_p
rovider_com
mission_id

modsec_add
_rule

modsec_add
_vendor

modsec_ass
emble_config
_text

modsec_batc
h_settings

modsec_che
ck_rule

modsec_clon
e_rule

modsec_depl
oy_all_rule_c
hanges

modsec_depl
oy_rule_chan
ges

modsec_depl
oy_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

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_undisable_rule

modsec_update_vendor

_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_featurelists

get_users_features_settings

getfeaturelist

getpkginfo

killpkg

listpkgs

manage_features

matchpkgs

read_featurelist

remove_override_features_for_user

update_feature_relist

verify_user_has_feature

convert_all_domains_to_fpm

get_fpm_count_and_utilization

is_conversion_in_progress

php_get_defaults_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_hosts_by_version

php_get_host_versions

php_ini_get_content

php_ini_get_directives

php_ini_set_content

php_ini_set_directives

php_fpm_config_get

php_fpm_config_set

php_set_defaults_to_fpm

php_set_handler

php_set_old_fpm_flag

php_set_session_save_path

php_set_sys
tem_default_v
ersion

php_set_vho
st_versions

acctcounts

get_public_c
ontact

getresellerips

listacfs

listresellers

resellerstats

saveacflist

set_public_c
ontact

setacfs

setresellerips

setresellerlim
its

setresellerma
inip

setresellerna
meservers

setresellerpa
ckagelimit

setupreseller

suspendresel
ler

terminateres
eller

unsetupresel
ler

unsuspendre
seller

delete_rpm_v
ersion

edit_rpm_ver
sion

get_rpm_ver
sion_data

install_rpm_p
lugin

list_rpms

package_ma
nager_fixcac
he

package_ma
nager_get_b
uild_log

package_ma
nager_get_p
ackage_info

package_ma
nager_is_per
forming_actio
ns

package_ma
nager_list_pa
ckages

package_ma
nager_resolv
e_actions

package_ma
nager_submit
_actions

package_ma
nager_upgra
de

uninstall_rpm
_plugin

delete_hook

edit_hook

list_hooks

reorder_hooks

accesshash

authorizessh
key

check_remot
e_ssh_conne
ction

convertopens
shtoputty

deletesshkey

fetch_securit
y_advice

generatesshk
eypair

importsshkey

listsshkeys

add_configcl
usterserver

configurebac
kgroundproc
esskiller

configureserv
ice

cors_proxy_g
et

create_user_
session

delete_config
clusterserver

enable_monit
or_all_enable
d_services

get_all_contact_importances

get_application_list

get_application_contact_event_importance

get_application_contact_importance

get_available_profiles

get_current_profile

get_password_strength

get_remote_access_hash

get_service_config

get_service_config_key

get_tcp4_sockets

get_tcp6_sockets

get_tweaksetting

get_udp4_sockets

get_udp6_sockets

get_update_availability

get_users_links

getdiskusage

gethostname

is_role_enabled

list_configclusterservers

loadavg

nvget

nvset

personalization_get

personalization_set

purchase_a_l
icense

reboot

remove_in_p
rogress_exim
_config_edit

restartservice

restore_conf
g_from_file

restore_conf
g_from_uplo
ad

run_cpkeyclt

send_test_po
sturl

send_test_pu
shbullet_note

servicestatus

set_applicati
on_contact_e
vent_importa
nce

set_applicati
on_contact_i
mportance

set_primary_
servername

set_service_
config_key

set_tweakset
ting

sethostname

setminimump
asswordstren
gths

start_profile_
activation

system_need
s_reboot

systemloada
vg

update_conf
gclusterserver

update_conta
ct_email

verify_aim_a
ccess

verify_icq_ac
cess

verify_oscar_
access

verify_posturl
_access

verify_pushb
ullet_access

delete_ssl_v
host

disable_auto
ssl

fetch_service
_ssl_compon
ents

fetch_ssl_cer
tificates_for_f
qdns

fetch_ssl_vh
osts

fetch_vhost_
ssl_compone
nts

fetchcrtinfo

fetchsslinfo

generatessl

get_autossl_
check_sched
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