

# WHM API 1 Functions - modsec\_add\_rule

## Guide to WHM API 1

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- Filter Output
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- 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 adds a new rule to a ModSecurity™ configuration staging file. For example, if you choose to add a rule for the `example.conf` file, the function stages the rule in the `example.conf.STAGE` file.

**Important:**  
This function does **not** actually deploy the rule.

**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_add_rule?api.version=1&rule=SecAction%22pass%2Cauditlog%2Cid%3A1234567'%2Cmsg%3A'Example%20rule%20message'%22&config=modsec_vendor_configs%2Fexample.conf
```

### XML API

```
https://hostname.example.com:2087/cpsess#####/xml-api/modsec_add_rule?api.version=1&rule=SecAction%22pass%2Cauditlog%2Cid%3A1234567'%2Cmsg%3A'Example%20rule%20message'%22&config=modsec_vendor_configs%2Fexample.conf
```

## 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\_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_add_rule  
rule=SecAction\"pass,  
auditlog,id:1234567',  
msg:'Example rule  
message'\"  
config=modsec_vendor_  
configs%2Fexample.con  
f
```

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\_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": {
    "rule": {
      "disabled": 0,
      "rule": "SecAction
'pass,auditlog,id:1234567',msg:'Example rule message'",
      "id": "1234567",
      "meta_msg": "Example rule message"
    },
    "metadata": {
      "version": 1,
      "reason": "OK",
      "result": 1,
      "command": "modsec_add_rule"
    }
  }
}
```

- WHM API 1 Functions - modsec\_assemble\_config\_text — 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 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

▼ Output (XML)

```

<result>
  <data>
    <name>rule</name>

    <disabled>0</disabled>
  >
    <id>1234567</id>
    <meta_msg>Example rule message</meta_msg>
    <rule>SecAction &quot;pass,auditlog,id:1234567',msg:'Example rule message'&quot;</rule>
  </data>
  <metadata>

    <command>modsec_add_rule</command>

    <reason>OK</reason>

    <result>1</result>

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

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

- WHM API 1 Functions - modsec\_clone\_rule - This function copies a ModSecurity™ rule with a new rule ID.

▼ Backups

backup\_config\_get  
 backup\_config\_set  
 backup\_data\_list  
 backup\_destination\_add  
 backup\_destination\_delete

Parameters

Parameter	Type	Description	Possible values	Example
config	string	<b>Required</b> The ModSecurity configuration file.	The path to a ModSecurity rule .conf file, relative to the /usr/local/apache/conf/ directory.	modsec_vendor_configs/example.conf

<a href="#">backup_destination_get</a> <a href="#">backup_destination_list</a> <a href="#">backup_destination_set</a> <a href="#">backup_destination_validate</a> <a href="#">backup_get_transport_status</a> <a href="#">backup_list_transported</a> <a href="#">backup_set_list</a> <a href="#">backup_set_list_combined</a> <a href="#">backup_skip_users_all</a> <a href="#">backup_skip_users_all_status</a> <a href="#">backup_use_r_list</a> <a href="#">convert_and_migrate_from_legacy_config</a> <a href="#">get_users_with_backup_metadata</a> <a href="#">list_cparchive_files</a> <a href="#">start_background_package</a> <a href="#">toggle_user_backup_status</a>	rule	string	<b>Required</b> The rule's text.	A valid ModSecurity rule or set of rules. <div style="border: 1px solid orange; padding: 5px; margin: 5px 0;"> <b>Note</b>              :              If you provide multiple directives in the same rule, use <b>only one</b> ModSecurity rule ID.           </div>	<a href="#">Click to view...</a> <pre>SecAction   "pass,auditlog,id:1234567',msg:' Example rule message' "</pre>
--	------	--------	-------------------------------------	--	---

## Returns

Return	Type	Description	Possible values	Example
rule	hash	A hash that contains information about the new ModSecurity rule.	This hash includes the id, rule, disabled, meta_msg, and duplicate returns.	
id	integer	The ModSecurity rule's ID.  The function returns this value in the rule hash.	A valid ModSecurity rule ID.	1234567
rule	string	The ModSecurity rule's text.  The function returns this value in the rule hash.	A valid ModSecurity rule.	<a href="#">Click to view...</a> <pre>SecAction   "pass,auditlog,id:1234567',msg:' Example rule message' "</pre>
disabled	Boolean	Whether the rule is disabled.  The function returns this value in the rule hash.	<ul style="list-style-type: none"> <li>• 1 — Disabled.</li> <li>• 0 — Enabled.</li> </ul>	0

### ▼ cPHulk

- [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

meta_message	<i>string</i>	The ModSecurity rule's description.  The function returns this value in the rule hash.	A valid string.	Example rule message
duplicate	<i>Boolean</i>	Whether the rule already exists in the ModSecurity configuration staging file.  The function returns this value in the rule hash.	<ul style="list-style-type: none"> <li>• 1 — Exists.</li> <li>• 0 — Does <b>not</b> exist.</li> </ul>	0

▼ 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

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

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



ers\_config

cpgreylist\_s  
ave\_commo  
n\_mail\_provi  
ders\_config

cpgreylist\_st  
atus

cpgreylist\_tr  
ust\_entries\_  
for\_common  
\_mail\_provid  
er

cpgreylist\_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\_cpgreyl  
ist\_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

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

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

validate\_currency\_installed\_exim\_configuration

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\_added\_rule

modsec\_added\_vendor

modsec\_assemble\_configuration\_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\_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  
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setresellerm  
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setresellern  
ameservers

setresellerp  
ackagelimit

setupreselle  
r

suspendres  
eller

terminateres  
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unsetuprese



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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\_transfer\_session

analyze\_transfer\_session\_remote

available\_transfer\_modules

create\_remote\_root\_transfer\_session

create\_remote\_user\_transfer\_session

delete\_account\_archives

enqueue\_transfer\_item

fetch\_transfer\_session\_log

get\_transfer\_session\_state

pause\_transfer\_session

remote\_basic\_credential\_check

retrieve\_transfer\_session\_remote\_analysis

start\_transfer\_session

transfer\_module\_schema

validate\_system\_user

▼ Updates

accept\_eula

get\_available\_tiers

get\_current\_lts\_expiration\_status

get\_lts\_expire

getlongterm support

installed\_versions

set\_cpanel\_updates

set\_tier

update\_upd  
ateconf

version