

# WHM API 1 Functions - read\_cpgreylist\_deferred\_entries

## Guide to WHM API 1

Return Data  
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Call cPanel API 2 and UAPI

Account Restoration  
restore\_modules\_summary

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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

## Description

This function lists Greylisting's deferred triplets. Greylisting identifies incoming email by triplets. A triplet is a collection of three pieces of data: the IP address, the sender's address, and the recipient's address.

## Examples

### JSON API

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

### XML API

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

### Command Line

```
whmapil read_cpgreylist_deferred_entries
```

#### 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
```

## Function information

## About WHM API 1

WHM API 1 performs functions and accesses data in WHM.

#### Notes:

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restore\_queue\_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

▼ Output (JSON)

```
{
  "data": {
    "total_rows": 3,
    "limit": 20,

    "server_tzoffset": 60,

    "server_timezone": CDT

    "greylist_deferred_entries": [
      {
        "accepted_count": 0,

        "create_time": "2015-03-23 11:59:32",
        "from_addr": "fromaddress1@example.com",

        "block_exp_time": "2015-03-23 12:09:32",

        "record_exp_time": "2015-03-26 11:59:32",
        "to_addr": "toaddress1.com",

        "must_retry_by": "2015-03-23 15:59:32",
        "sender_ip": "97.215.255.29",

        "deferred_count": 1,
        "id": 43
      },
      {
        "accepted_count": 0,

        "create_time": "2015-03-23 11:59:32",
        "from_addr":
```

Find a function

- WHM API 1 Functions - cpgreylist\_is\_server\_netblock\_trusted — This function returns the Greylisting trusted status of the server's netblock.

```

untrack_acct_id
verify_new_username
  v 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
  v 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

```

```

"fromaddress2.com@example.com",
"block_exp_time":
"2015-03-23
12:09:32",
"record_exp_time":
"2015-03-26
11:59:32",
  "to_addr":
"toaddress2.com@example.com",
"must_retry_by":
"2015-03-23
15:59:32",
  "sender_ip":
"74.145.61.223",
"deferred_count": 1,
  "id": 44
},
{
"accepted_count": 0,
"create_time":
"2015-03-23
11:59:32",
  "from_addr":
"fromaddress3.com@example.com",
"block_exp_time":
"2015-03-23
12:09:32",
"record_exp_time":
"2015-03-26
11:59:32",
  "to_addr":
"toaddress3.com@example.com",
"must_retry_by":
"2015-03-23
15:59:32",
  "sender_ip":
"17.19.204.252",
"deferred_count": 1,
  "id": 45

```

- WHM API 1 Functions - cpgr eylist \_list\_ entries\_ for\_ common\_ mail\_ provider — This function returns Greylisting's IP addresses for the specified mail provider.
- WHM API 1 Functions - cpgr eylist \_load\_ common\_ mail\_ providers\_ config — This function returns Greylisting's list of common mail service providers.

\_display\_co  
nfigurations  
  
get\_users\_a  
uthn\_linked  
\_accounts  
  
link\_user\_au  
thn\_provider  
  
set\_provider  
\_client\_confi  
gurations  
  
set\_provider  
\_display\_co  
nfigurations  
  
twofactoraut  
h\_disable\_p  
olicy  
  
twofactoraut  
h\_enable\_p  
olicy  
  
twofactoraut  
h\_generate\_  
tfa\_config  
  
twofactoraut  
h\_get\_issue  
r  
  
twofactoraut  
h\_get\_user\_  
configs  
  
twofactoraut  
h\_policy\_sta  
tus  
  
twofactoraut  
h\_remove\_u  
ser\_config  
  
twofactoraut  
h\_set\_issuer  
  
twofactoraut  
h\_set\_tfa\_c  
onfig  
  
unlink\_user\_  
authn\_provi  
der  
  
validate\_logi  
n\_token

▼ Backups

backup\_conf  
ig\_get  
  
backup\_conf  
ig\_set  
  
backup\_dat  
e\_list  
  
backup\_dest  
ination\_add  
  
backup\_dest  
ination\_dele  
te

```
    }  
  ],  
  "offset": 0  
},  
"metadata": {  
  "version": 1,  
  "reason": "OK",  
  "result": 1,  
  "command":  
"read_cpgreylist_defe
```

- WHM API 1 Functions - cpgreylist\_save\_common\_mail\_providers\_config — This function sets whether Greylisting trusts new entries to cPanel's common mail providers list.

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  
backup\_skip\_users\_all\_status  
backup\_user\_list  
convert\_and\_migrate\_from\_legacy\_config  
get\_users\_with\_backup\_metadata  
list\_cparchive\_files  
start\_background\_package  
toggle\_user\_backup\_status  
cPHulk  
cphulk\_statuses  
create\_cphulk\_record  
delete\_cphulk\_record  
disable\_cphulk  
enable\_cphulk  
flush\_cphulk\_login\_history

```
rrred_entries"  
  }  
}
```

#### Output (XML)

```
<result>  
  <data>  
  
    <total_rows>3</total_rows>  
  
    <limit>20</limit>  
  
    <server_tzoffset>60</server_tzoffset>  
  
    <server_timezone>CDT</server_timezone>  
  
    <greylist_deferred_entries>  
  
    <accepted_count>0</accepted_count>  
  
    <create_time>2015-03-23  
    11:59:32</create_time>  
  <  
  
    <from_addr>  
  
    fromaddress1.com@example.com  
  
  </from_addr>  
  
    <block_exp_time>2015-03-23  
    12:09:32</block_exp_time>  
  
    <record_exp_time>2015-03-26  
    11:59:32</record_exp_time>  
  
    <to_addr>  
  
    toaddress1.com@example.com
```

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

```
</to_addr>  
  
<must_retry_by>2015-03-23 15:59:32</must_retry_by>  
  
<sender_ip>97.215.255.29</sender_ip>  
  
<deferred_count>1</deferred_count>  
  
<id>43</id>  
  
</greylist_deferred_entries>  
<greylist_deferred_entries>  
  
<accepted_count>0</accepted_count>  
  
<create_time>2015-03-23 11:59:32</create_time>  
  
<from_addr>  
  
fromaddress2.com@example.com  
  
</from_addr>  
  
<block_exp_time>2015-03-23 12:09:32</block_exp_time>  
  
<record_exp_time>2015-03-26 11:59:32</record_exp_time>  
  
<to_addr>  
  
toaddress2.com@example.com  
  
</to_addr>  
  
<must_retry_by>2015-0
```

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

```
3-23
15:59:32</must_retry_by>
<sender_ip>97.215.255.29</sender_ip>
<deferred_count>1</deferred_count>
<id>44</id>
</greylist_deferred_entries>
<greylist_deferred_entries>
<accepted_count>0</accepted_count>
<create_time>2015-03-23
11:59:32</create_time>
<from_addr>
fromaddress3.com@example.com
</from_addr>
<block_exp_time>2015-03-23
12:09:32</block_exp_time>
<record_exp_time>2015-03-26
11:59:32</record_exp_time>
<to_addr>
toaddress3.com@example.com
</to_addr>
<must_retry_by>2015-03-23
15:59:32</must_retry_by>
```

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

```
<sender_ip>97.215.255  
.29</sender_ip>  
  
<deferred_count>1</de  
ferred_count>  
  
<id>45</id>  
  
</greylist_deferred_e  
ntries>  
  
<offset>0</offset>  
</data>  
<metadata>  
  
<version>1</version>  
  
<reason>OK</reason>  
  
<result>1</result>  
  
<command>read_cpgrey1  
ist_deferred_entries<
```



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\_cpgrey  
 list\_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

```

/command>
  </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
total_rows	<i>integer</i>	The total number of triplets in the database.	A valid integer.	3
limit	<i>integer</i>	The number of triplets in the interface.	A valid integer.	20
server_tzoffset	<i>integer</i>	The time zone offset in minutes.	A valid time zone bias, in minutes difference from UTC/GMT.	60
server_timezone	<i>string</i>	The server time zone abbreviation.	The standard letter code abbreviation for the time zone.	CDT
greylist_deferred_entries	<i>hash</i>	A hash of deferred triplet data.	This hash includes the accepted_count, create_time, from_addr, block_exp_time, record_exp_time, to_addr, must_retry_by, sender_ip, deferred_count, and id returns.	

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

accept ed_cou nt	<i>integer</i>	The number of times that Greylisting accepted the triplet.  The function returns this value in the <code>greylist_deferred_entries_hash</code> .	A valid integer.	0
create _time	<i>string</i>	The date and time when Greylisting created the triplet.  The function returns this value in the <code>greylist_deferred_entries_hash</code> .	The date and time in Day YYYY-MM-DD HH:mm:SS format, where: <ul style="list-style-type: none"> <li>• YYYY represents the year.</li> <li>• MM represents the month.</li> <li>• DD represents the date.</li> <li>• HH represents the hour.</li> <li>• mm represents the minute.</li> <li>• SS represents the second.</li> </ul>	2015-03-23 11:59:32
from_a ddr	<i>string</i>	The email address that the system identified as the triplet's sender.  The function returns this value in the <code>greylist_deferred_entries_hash</code> .	A valid email address.	fromaddress1 .com@example .com
block_ exp_ti me	<i>string</i>	The date and time when Greylisting will no longer defer the triplet.  The function returns this value in the <code>greylist_deferred_entries_hash</code> .	The date and time in YYYY-MM-DD HH:mm:SS format, where: <ul style="list-style-type: none"> <li>• YYYY represents the year.</li> <li>• MM represents the month.</li> <li>• DD represents the date.</li> <li>• HH represents the hour.</li> <li>• mm represents the minute.</li> <li>• SS represents the second.</li> </ul>	2015-03-23 12:09:32

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

record_expiry_time	string	<p>The date and time when Greylisting will purge the triplet from the database.</p> <p>The function returns this value in the <code>greylist_deferred_entries</code> hash.</p>	<p>The date and time in YYYY-MM-DD HH:mm:SS format, where:</p> <ul style="list-style-type: none"> <li>• YYYY represents the year.</li> <li>• MM represents the month.</li> <li>• DD represents the date.</li> <li>• HH represents the hour.</li> <li>• mm represents the minute.</li> <li>• SS represents the second.</li> </ul>	2015-03-26 11:59:32
to_address	string	<p>The email address that the system identified as the triplet's recipient.</p> <p>The function returns this value in the <code>greylist_deferred_entries</code> hash.</p>	A valid email address.	toaddress1.com@example.com
must_retry_by	string	<p>The date and time when Greylisting will no longer accept the resent triplet.</p> <p>The function returns this value in the <code>greylist_deferred_entries</code> hash.</p>	<p>The date and time in YYYY-MM-DD HH:mm:SS format, where:</p> <ul style="list-style-type: none"> <li>• YYYY represents the year.</li> <li>• MM represents the month.</li> <li>• DD represents the date.</li> <li>• HH represents the hour.</li> <li>• mm represents the minute.</li> <li>• SS represents the second.</li> </ul>	2015-03-23 15:59:32
sender_ip	string	<p>The IP address that the system identified as the triplet's sender.</p> <p>The function returns this value in the <code>greylist_deferred_entries</code> hash.</p>	A valid IP address.	97.215.255.29

validate\_current\_installed\_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

deferred_count	integer	The number of times Greylisting deferred the triplet.  The function returns this value in the <code>greylist_deferred_entries</code> hash.	A valid integer.	1
id	integer	The identification number that the system assigned to the triplet.  The function returns this value in the <code>greylist_deferred_entries</code> hash.	A valid integer.	45

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\_undisable\_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  
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

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