

# WHM API 1 Functions - list\_hooks

## Guide to WHM API 1

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## Description

This function lists the server's script hooks.

## Examples

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

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

```
whmapil list_hooks
```



### 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.
- We introduced this functionality in cPanel & WHM version 11.52.0.8.

## Function information

**API Version:** [WHM API 1](#)  
**Available in:** WHM 11.32+  
**Methods:** GET, POST  
**Required Parameters:** (none)  
**Return Formats:** 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:

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\_ending\_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\_list\_pending  
 restore\_queue\_state  
 restoreaccount  
 verify\_new\_username\_for\_restore  
 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

```

{
  "data": {
    "categories": [
      {
        "events": [
          {
            "stage_order": [
              "pre",
              "post"
            ],
            "stages": [
              {
                "stage": "post",
                "actions": [
                  {
                    "stage": "post",
                    "blocking": 0,
                    "description": null,
                    "event": "MariaDB-server",
                    "exectype": "script",
                    "hook": "/scripts/postcourier-
authlibup",
                    "rollback": null,
                    "check": null,
                    "escalateprivs": 0,
                    "weight": 100,
                    "id": "KQVO65K_8MWe__3JMPETn43S",
                    "category": "RPM::Versions",
                    "enabled": 1
                  }
                ],
              },
            ],
            "attributes": {
              "escalateprivs": 0,
              "blocking": 0
            },
            "description": ""
          }
        ],
        "event": "MariaDB-server"
      },
    ],
    "category": "RPM::Versions"
  }
},
"metadata": {
  "version": 1,
  "reason": "OK",
  "result": 1,
  "command": "list_hooks"
}
}

```

- Some functions are parameter setters may require that the caller authenticate the user.

[api\\_token\\_create](#)  
[api\\_token\\_list](#)  
[api\\_token\\_revoke](#)  
[api\\_token\\_update](#)  
[disable\\_authentication\\_provider](#)  
[disable\\_failing\\_authentication\\_providers](#)  
[enable\\_authentication\\_provider](#)  
[link\\_user\\_authn\\_provider](#)  
[get\\_available\\_authentication\\_providers](#)  
[get\\_login\\_url](#)  
[get\\_provider\\_client\\_configurations](#)  
[get\\_provider\\_configuration\\_fields](#)  
[get\\_provider\\_display\\_configurations](#)  
[get\\_users\\_authn\\_linked\\_accounts](#)  
[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](#)

```

<result>
  <data>
    <categories>
      <events>
        <stage_order>pre</stage_order>
        <stage_order>post</stage_order>
        <stages>
          <stage>post</stage>
          <actions>
            <stage>post</stage>
            <blocking>0</blocking>
            <description/>
            <event>courier-authlib</event>
            <exectype>script</exectype>
            <hook>/scripts/postcourier-
authlibup</hook>
            <rollback/>
            <check/>
            <escalateprivs>0</escalateprivs>
            <weight>100</weight>
            <id>KQVO65K_8MWe__3JMPETn43S</id>
            <category>RPM::Versions</category>
            <enabled>1</enabled>
          </actions>
          <attributes>
            <escalateprivs>0</escalateprivs>
            <blocking>0</blocking>
          </attributes>
          <description/>
        </stages>
        <event>courier-authlib</event>
      </events>
      <category>RPM::Versions</category>
    </categories>
  </data>
  <metadata>
    <version>1</version>
    <reason>OK</reason>
    <result>1</result>
    <command>list_hooks</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

Parameter	Type	Description	Possible values	Example
categories	array	An array of hook categories.	This array includes the events hash and the category return.	

• You must use the appropriate WHM ports (2086 or 2087) to call WHM API functions.

Find a function

Related functions

[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\\_set\\_list](#)

[backup\\_skip\\_users\\_all](#)

[backup\\_skip\\_users\\_all\\_status](#)

[backup\\_user\\_list](#)

[convert\\_and\\_migrate\\_from\\_legacy\\_config](#)

[list\\_cparchive\\_files](#)

[start\\_background\\_pkgacct](#)

[toggle\\_user\\_backup\\_state](#)

[cphulk\\_status](#)

[create\\_cphulk\\_record](#)

[delete\\_cphulk\\_record](#)

events	hash	A hash of events.  The function returns this hash in the categories hash.	This hash includes the stage_order, attributes, and event returns and the stages hash.	
stage_order	string	When the hook script is designed to execute.  The function returns this value in the events hash.	<ul style="list-style-type: none"> <li>pre — The script runs before the function.</li> <li>post — The script runs after the function.</li> </ul> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p><b>Note:</b> It is possible for a hook script to have both values.</p> </div>	pre post
stages	hash	A hash of stage information.  The function returns this value in the events hash.	This hash includes the below.	
stage	string	When the hook script will execute.  The function returns this value in the stages hash.	<ul style="list-style-type: none"> <li>pre — The script runs before the function.</li> <li>post — The script runs after the function.</li> </ul>	post
actions	hash	A hash of hook script actions.  The function returns this value in the stages hash.	This hash includes the stage, blocking, description, event, exectype, hook, rollback, check, escalateprivs, weight, id, category, and enabled returns.	
status	string	When the hook script will execute.  The function returns this value in the actions hash.	<ul style="list-style-type: none"> <li>pre — The script runs before the function.</li> <li>post — The script runs after the function.</li> </ul>	post
blocking	Boolean	Whether the script hook has a blocking contest.  The function returns this value in the actions hash.	<ul style="list-style-type: none"> <li>1 — Blocking contest.</li> <li>0 — No blocking contest.</li> </ul>	0
description	string	The hook script's description.  The function returns this value in the actions hash.	A valid string.	null

- [WHM API 1 Sections - Script Hooks](#) — Script Hook functions allow you to manage a server's script hooks.
- [WHM API 1 Functions - delete\\_hook](#) — This function removes a script hook.
- [WHM API 1 Functions - edit\\_hook](#) — This function edits a script hook.
- [WHM API 1 Functions - list\\_hooks](#) — This function lists the server's script hooks.
- [WHM API 1 Functions - reorder\\_hooks](#) — This function changes the order of script hooks.

disable_cphulk	event	string	The event that triggers the script hook.  The function returns this value in the actions hash.	A valid string.	MariaDB-server
enable_cphulk					
flush_cphulk_login_history					
flush_cphulk_login_history_for_ips	executable	string	The type of function that the script hook launches.  The function returns this value in the actions hash.	A valid string.	script
get_cphulk_brules	parameter				
get_cphulk_excessive_brules					
get_cphulk_failed_logins	hook	string	The hook script.  The function returns this value in the actions hash.	A valid absolute file path.	/scripts/postcourier-authlibup
load_cphulk_config					
read_cphulk_records	rollback	string	A script that can roll back the hook script.  The function returns this value in the actions hash.	A valid absolute file path.	null
save_cphulk_config					
background_mysql_upgrade_status	check	string	A script that runs after the hook script to check the results.  The function returns this value in the actions hash.	A valid absolute file path.	null
current_mysql_version					
installable_mysql_versions					
latest_available_mysql_version	escalated	Boolean	Whether the hook script will run with escalated root privileges.  The function returns this value in the actions hash.	<ul style="list-style-type: none"> <li>1 — Runs with escalated privileges.</li> <li>0 — Does not run with escalated privileges.</li> </ul>	0
list_database_users	privileges				
list_databases					
list_mysql_databases_and_users					
remote_mysql_create_profile	weight	integer	The priority of the script hook.  The function returns this value in the actions hash.	A valid positive integer, where lower values run before higher values.	100
remote_mysql_create_profile_via_ssh					
remote_mysql_delete_profile	id	string	The script hook's ID.  The function returns this value in the actions hash.	A valid string.	KQVO65K_8MWe__3JMPETn43S
remote_mysql_initiate_profile_activation	category	string	The script hook's category.  The function returns this value in the actions hash.	A valid string.	RPM::Versions
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](#)  
[addns](#)  
[addzonerecord](#)  
[addzonerecord \(Reverse DNS\)](#)  
[dumpzone](#)  
[editzonerecord](#)  
[get\\_nameserver\\_config](#)  
[getzonerecord](#)  
[killdns](#)  
[listmxs](#)  
[listzones](#)  
[lookupnsip](#)  
[lookupnspis](#)  
[removezonerecord](#)  
[resetzone](#)  
[resolvedomainname](#)  
[savemxs](#)  
[setresolvers](#)

	enabled	<i>Boolean</i>	<p>Whether the hook script is enabled.</p> <p>The function returns this value in the actions hash.</p>	<ul style="list-style-type: none"> <li>• 1 — Enabled.</li> <li>• 0 — Disabled.</li> </ul>	1
	attributes	<i>hash</i>	<p>A hash of hook script attributes.</p> <p>The function returns this value in the stages hash.</p>	This hash includes the escalateprivs and blocking returns below.	
	escalated	<i>Boolean</i>	<p>Whether the hook script will run with escalated root privileges.</p> <p>The function returns this value in the attributes hash.</p>	<ul style="list-style-type: none"> <li>• 1 — Runs with escalated privileges.</li> <li>• 0 — Does not run with escalated privileges.</li> </ul>	0
	blocking	<i>Boolean</i>	<p>Whether the script hook contains a blocking context.</p> <p>The function returns this value in the attributes hash.</p>	<ul style="list-style-type: none"> <li>• 1 — Blocking context.</li> <li>• 0 — No blocking context.</li> </ul>	0
	description	<i>string</i>	<p>The hook script's description.</p> <p>The function returns this value in the stages hash.</p>	A valid string.	
	event	<i>string</i>	<p>The event that triggers the script hook.</p> <p>The function returns this value in the events hash.</p>	A valid string.	MariaDB-server
	category	<i>string</i>	<p>The script hook's category.</p> <p>The function returns this value in the categories hash.</p>	A valid string.	RPM::Versions

ea4\_get\_currently\_installed\_packages

ea4\_get\_ea\_pkgs\_state

ea4\_list\_profiles

ea4\_pre\_migrate\_check

ea4\_recommendations

ea4\_save\_profile

cpgreylist\_is\_server\_netblock\_trusted

cpgreylist\_list\_entries\_for\_common\_mail\_provider

cpgreylist\_load\_common\_mail\_providers\_config

cpgreylist\_save\_common\_mail\_providers\_config

cpgreylist\_status

cpgreylist\_trusted\_entries\_for\_common\_mail\_provider

cpgreylist\_untrust\_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\_hosts

save\_cpgreylist\_config

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  
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  
disable\_mail\_sni  
emailtrack\_search  
emailtrack\_stats  
emailtrack\_user\_stats



enable\_mail\_  
sni

exim\_configu  
ration\_check

expunge\_mai  
lbox\_messag  
es

expunge\_me  
ssages\_for\_  
mailbox\_guid

fetch\_mail\_q  
ueue

generate\_mo  
bileconfig

get\_mailbox\_  
status

get\_mailbox\_  
status\_list

get\_user\_em  
ail\_forward\_d  
estination

hold\_outgoin  
g\_email

is\_sni\_suppo  
rted

list\_pops\_for

mail\_sni\_stat  
us

rebuild\_mail\_  
sni\_config

release\_outg  
oing\_email

save\_spamd\_  
\_config

set\_user\_em  
ail\_forward\_d  
estination

suspend\_out  
going\_email

unsuspend\_o  
utgoing\_email

validate\_curr  
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\_exim\_config

validate\_exi  
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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  
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set\_market\_p  
rovider\_com  
mission\_id

modsec\_add  
\_rule

modsec\_add  
\_vendor

modsec\_batc  
h\_settings

modsec\_clon  
e\_rule

modsec\_depl  
oy\_all\_rule\_c  
hanges

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oy\_rule\_chan  
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changes

modsec\_disc  
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modsec\_disa  
ble\_rule

modsec\_disa  
ble\_vendor

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ble\_vendor\_c  
onfigs

modsec\_disa  
ble\_vendor\_u  
pdates

modsec\_disc  
ard\_all\_rule\_  
changes

modsec\_edit  
\_rule

modsec\_ena  
ble\_vendor

modsec\_ena  
ble\_vendor\_c  
onfigs

modsec\_ena  
ble\_vendor\_u  
pdates

modsec\_get\_  
config\_text

modsec\_get\_  
configs

modsec\_get\_  
configs\_with\_  
changes\_pen  
ding

modsec\_get\_  
log

modsec\_get\_  
rules

modsec\_get\_  
settings

modsec\_get\_  
vendors

modsec\_is\_i  
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modsec\_mak  
e\_config\_acti  
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modsec\_prev  
iew\_vendor

modsec\_rem  
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ove\_setting

modsec\_rem  
ove\_vendor

modsec\_repo  
rt\_rule

modsec\_set\_  
config\_text

modsec\_set\_  
setting

modsec\_undi  
sable\_rule

modsec\_upd  
ate\_vendor

\_getpkgexten  
sionform

add\_override  
\_features\_for  
\_user

addpkg

addpkgext

changepackage  
create\_featurelist  
delete\_featurelist  
delpkgext  
editpkg  
get\_available\_featurelists  
get\_feature\_metadata  
get\_feature\_names  
get\_featurelist\_data  
get\_users\_features\_settings  
getfeaturelist  
getpkginfo  
killpkg  
listpkgs  
manage\_features  
matchpkgs  
package\_manager\_fixcache  
package\_manager\_get\_package\_info  
package\_manager\_resolve\_actions  
read\_featurelist  
remove\_override\_features\_for\_user  
update\_featurelist  
verify\_user\_has\_feature  
php\_get\_handlers  
php\_get\_affected\_domains  
php\_get\_installed\_versions  
php\_get\_system\_default\_version

php\_get\_vho  
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php\_get\_vho  
st\_versions

php\_ini\_get\_  
content

php\_ini\_get\_  
directives

php\_ini\_set\_  
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php\_set\_old\_  
fpm\_flag

php\_get\_old\_  
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get\_fpm\_cou  
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php\_get\_def  
ault\_account  
s\_to\_fpm

php\_set\_defa  
ult\_accounts  
\_to\_fpm

convert\_all\_d  
omains\_to\_fpm

get\_public\_c  
ontact

set\_public\_c  
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acctcounts

getresellerips

listacIs

listresellers

resellerstats

saveacllist

setacIs

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delete\_hook

edit\_hook

list\_hooks

reorder\_hooks

accessshash

authorizessh  
key

check\_remot  
e\_ssh\_conne  
ction

convertopens  
shtoputty

deletesshkey

generatesshk  
eypair

importsshkey

listsshkeys

add\_configcl  
usterserver

configurebac  
kgroundproc  
esskiller

configureserv  
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cors\_proxy\_g  
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create\_user\_  
session

delete\_config  
clusterserver

delete\_rpm\_v  
ersion

edit\_rpm\_ver  
sion

enable\_monit  
or\_all\_enable  
d\_services

get\_appconfi  
g\_application  
\_list

get\_applicati  
on\_contact\_e  
vent\_importa  
nce

get\_applicati  
on\_contact\_i  
mportance

get\_all\_conta  
ct\_importanc  
es

get\_passwor  
d\_strength

get\_remote\_  
access\_hash

get\_rpm\_ver  
sion\_data

get\_service\_  
config

get\_service\_  
config\_key

get\_update\_  
availability

get\_tweakset  
ting

get\_users\_lin  
ks

getdiskusage

gethostname

install\_rpm\_p  
lugin

list\_configclu  
sterservers

list\_rpms

loadavg

nvget

nvset

purchase\_a\_l  
icense

reboot

remove\_in\_p  
rogress\_exim  
\_config\_edit

restartservice

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

systemloada  
vg

system\_need  
s\_reboot

uninstall\_rpm  
\_plugin

update\_conf  
gclusterserver

verify\_aim\_a  
ccess

verify\_icq\_ac  
cess

verify\_oscar\_  
access

verify\_posturl  
\_access

verify\_pushb  
ullet\_access

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  
ule



get\_autossl\_log

get\_autossl\_logs\_catalog

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

rebuilduserssldb

reset\_autossl\_provider

reset\_service\_ssl\_certificate

set\_autossl\_metadata

set\_autossl\_provider

start\_autossl\_check\_for\_all\_users

start\_autossl\_check\_for\_one\_user

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load\_style

remove\_logo

remove\_style

save\_style

set\_default

ticket\_create  
\_stub\_ticket

ticket\_get\_s  
upport\_agree  
ment

ticket\_grant

ticket\_list

ticket\_remov  
e\_closed

ticket\_revoke

ticket\_ssh\_te  
st

ticket\_ssh\_te  
st\_start

ticket\_update  
\_service\_agr  
eement\_appr  
oval

ticket\_validat  
e\_oauth2\_co  
de

ticket\_whiteli  
st\_check

ticket\_whiteli  
st\_setup

ticket\_whiteli  
st\_unsetup

abort\_transfe  
r\_session

analyze\_tran  
sfer\_session  
\_remote

available\_tra  
nsfer\_modules

create\_remot  
e\_root\_transf  
er\_session

create\_remot  
e\_user\_trans  
fer\_session

enqueue\_tra  
nsfer\_item

fetch\_transfe  
r\_session\_log

get\_transfer\_  
session\_state

pause\_transf  
er\_session

remote\_basic  
\_credential\_c  
heck

retrieve\_tran  
sfer\_session  
\_remote\_ana  
lysis

start\_transfer  
\_session

transfer\_mod  
ule\_schema

validate\_syst  
em\_user

get\_available  
\_tiers

get\_current\_l  
ts\_expiration  
\_status

get\_lts\_wexpi  
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