

# WHM API 1 Functions - get\_available\_authentication\_providers

## Guide to WHM API 1

Return Data

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Call cPanel API 2 and UAPI

restore\_modules\_summary

restore\_queue\_activate

restore\_queue\_add\_task

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restore\_queue\_clear\_all\_failed\_tasks

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restore\_queue\_clear\_all\_tasks

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restore\_queue\_is\_active

restore\_queue\_list\_active

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restore\_queue\_state

restoreaccount

## Description

This function lists available external authentication identity providers for all services.

## Examples

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

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

```
whmapil get_available_authentication_providers
```



### 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": {
    "providers": [
      {
        "cpanelid_link": "https://hostname.example.com:2083/openid_connect/cpanelid",
        "whostmgrd_link": "https://hostname.example.com:2087/openid_connect/cpanelid",
        "webmaild_link": "https://hostname.example.com:2096/openid_connect/cpanelid",
        "icon": "iVBORw0KGgoAAAANSUhEUgAAABkAAAAZCAYAAADE6YVjAAAACXBIXWMAAAsTAAALEwEAmPwYAAAKT2lDQ1BQaG90b3Nob3AgSUNDIHByb2ZpbGUAAHjanVnVFPPFj333vRCS4iAletvUUIIFJCI4AUkSYqIQkQSoghodkVUcERRUUEG8igiAOOjoCMFVEsDIoK2AfKaKOG6oIisr74Xuja9a89+bN/rXXPues852zzwfACAyWSDNRNYAMqUIeEeCDx8TG4eQuQIEkjhAAEAizCFz/SMBAPh+PDwrIsAHvgABeNMLCADATZvAMByH/w/qQplcAYCEAcB0kThLCAUAEb6jkKmAEBGAYCdmCZTAKAEAGDLy2LjAFAtAGAnf+bTAICd+Jl7AQBb1CEVAaCRACATZYhEAGg7AKzPVopFAFgwABRmS8Q5ANgtADBJV2ZIALC3AMDOEAuyAAgMADBRiIUpAAR7AGDIyN4AISZABRG8lc88SuuEOcqAAB4mbI8uS5Q5RYFbCC1xBldXLh4ozkkXKxQ2YQJhmkAuwnmZGTkBNA/g88wAAKCRFRHgg/P9eM4Ors7ONo62Dl8t6r8G/yJiYUP+5c+rcEAAAF0ft+h+LC+zGoA7BoBt/qI17gRoXgugdfelZrIPQLUAoOnaV/Nw+H48PEWhkLnZ2eXk5NKhKxEJbYcpXff5nw1/AV/1s+X48/Pf14L7iJIEyXYFHBPjgwsz0TKUcz5IJhGLc5o9H/LcL/\
```

## Function information

**API Version:**  
WHM API 1  
**Available in:**  
WHM 54+  
**Methods:**  
GET, POST  
**Required Parameters:**  
(none)  
**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:

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getminimump  
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has\_mycnf\_f  
or\_cpuser  
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listsuspended  
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myprivs  
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    "display_name": "CpanelID",  
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    "cpanelid_enabled": 1  
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    "webmaild_link": "https://hostname.example.com:  
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Find a function

Related functions

twofactorauth\_disable\_policy

twofactorauth\_enable\_policy

twofactorauth\_generate\_tfa\_config

twofactorauth\_get\_issuer

twofactorauth\_get\_user\_config

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\_transport\_status

backup\_list\_transported

backup\_set\_list

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- WHM API 1 Functions - set\_provider\_client\_configurations — This function sets the values of configuration fields for an external authentication identity provider.
- WHM API 1 Functions - get\_provider\_client\_configurations — This function retrieves the configuration details for the client of an external authentication identity provider.
- WHM API 1 Functions - disable\_authentication\_provider — This function disables a external authentication identity provider for a specified service.
- WHM API 1 Functions - enable\_authentication\_provider — This function enables an external authentication identity provider for a specified service.
- WHM API 1 Functions - get\_available\_authentication\_providers — This function lists available external authentication identity providers for all services.

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\_cpanel\_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\_routes  
get\_cphulk\_excessive\_brutes  
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read\_cphulk\_records  
save\_cphulk\_config

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set_mysql_password	4djlwD /phCJ7BKLyBCQRByAgTYSHaiAFiilgjjggXmYX4IcFIBBKLJCDJiBRRlKu RNUgxUopUIFVIHfI9cgI5hlxGupE7yAAygvYvEcxlIGyUT3UDLVDUag3G oRGogvQZHqXmo8WoJvQcrQaPYw2oefQq2gP2o8+Q8cwwOgYBzPEbDauxsN CsTgsCZnJy7EirAyrxhqwVqwDu4n1Y8+xdwQSGUxACTYEd0IgyR5BSFHMW E7YSKggHCQ0EdoJNwkDhFHCJyKtqEu0JroR+cQYYjIxhlhILCPWEo8TLxB 7iEPENyQSiUMyJ7mQAkmxPFTSetJG0m5SI+ksqZs0SBojK8naZGuyBzmUL CARYIXkneTD5DPkG+Qh8lsKnWJAcAT4U+IoUspqShnlEOU05QZlmdJBVAo aUt2ooVQRNY9aQq2htlKvUYeoEzRlMjNngxZJS6WtopXTGmgXaPdr+h0u hHdlR5O19BX0svpR+iX6AP0dwwNhhWDx4hnbKmbGAcYzxl3GK+YTKYZ04s Zx1QwNzHrmOeZD51vVvqqtip8FZHKCpVKlSaVGyovVKmqppreqgtV81XLV I+pXlN9rkZVM1PjqQnUlqtVqp1Q61MbU2ep06iHqmeoblQ/pH5Z /YkGWCNMW09DpFGsV/jvMYgC2MzS3gsIWsNq4ZlGTXEJrHN2Xx2KruY /R27iz2qqaE5QZNM1ezUvOUZj8H45hx+Jx0TgnnKKeX836K3htvKeIpG6 Y0TLkxZVxrqpaX1l1rSkTrq0frvTau7aedprlFu1n7gQ5Bx0onXCDHZ4 /OBZ3nU91T3acKpxZNPTrlri6qa6UbobEd79up+6Ynr5egJ5Mb6feeb3n +hx9L/1U/W36p /VHDFgGswkBsMzhg8xTVxbzwdL8fb8VFDXcNAQ6Vh1WGX4YSRudE8o9V GjUYpJGnGXOMk423GbcajJgYmISZLTepN7ppSTbmmKaY7TdtMx83MzaLN1 pklmz0xlzLnm+eb15vft2BaeFostqizUgVJsuRaplnutrxuhVo5WaVYVvp ds0atna01lrutu6cRp7l0k06rntZnw7Dxtsm2qbcZsOXYbtuutm22fWFNyh hdnt8Wuw+6TvZN9un2N /T0HDYfZDqsdWh1+c7RyFDpW0t6azpzuP33F9JbpL2dyzxDP2DPjthPLKc RpnV0b00dnF2e5c4PziIuJS4LLLPc+Lpsbxt3IveRKdPVxXeF60vWdm70b wu2o26/uNu5p7ofcn8w0nymewTnZ0MPIQ+BR5dE /C5+VMGvfrH5PQ0+BZ7XnIy9jL5FXrdewt6V3qvdh7xc+9j5yn+M+4zw33 jLeWV/MN8C3yLflT8Nvn1+30N/I/9k/3r /0QCngCUBZwOJgUGBWWL7+Hp8Ib+OPzrbZfay2e1BjKC5QRBVj4KtguXBr SFoyOyQrSH355jOkc5pDoVQfujW0Adh5mGLw34Mj4WHhVeGP45wiFga0TG XNXfR3ENz30T6RJZE3ptnMU85rylKNSo+qi5qPNo3ujs6P8YuZlnM1VidW ElsSxw5LiquNm5svt /87fOH4p3iC+N7F5gvyFlweaH0wvSFpxapLhIsOpZATih00JtWQRAqqBaM JfITdyWOCnnChcJnIi /RNTGI2ENcKh508kgqTXqS7JG8NXXkxT0lLOW5hCepkLxMDUzdmzqeFpp2 IG0yPTq9MYOSkZBxQqohTZO2Z+pn5mZ2y6x1hbL+xW6Lty8elQfJa70QrA VZLQq2QqboVFOolYoHsmdlV2a/zYnKOZarnivN7cyzytuQN5zvn //tEsIS4ZK2pYZLVy0dW0a9rGo5sjxxedsK4xUfK4ZWBqw8uIq2Km3VT6v tV5eufromeklrgV7ByoLBTQFr6wtVCuWFfevc1+ldTlgvWd+1YfqGnrS+F YmKrhtBf5cVF9go3HjLg4dvyr+Z3JS0qavEuWTPZtJm6ebeLZ5bDpaql+a XDM4N2dq0Dd9Wt0319kXbL5fNKNU7g7ZDuaO /PLi8ZafJzs07P1SkVPRU+lQ27tLdtWHX+G7R7ht7vPY07NXbW7z3 /T7JvttVAVVN1WbVZftj+7P3P66Jqun4lvttXa1ObXHTxwP5A /0HIw6217nU1R3SPVRSj9Yr60cOxx++ /p3vdy0NNg1VjZzG4iNwRHnk6fcJ3 /cedTradox7r0EH0x92HWcdL2pCmvKaRptTmvtbYlu6T8w+0dbq3nr8R9s fD5w0PF15SvNUyWna6YLTk2fyz4ydlZ19fi753GDborZ752P032oPb++6E HTh0kX/i+c7vDvOXPK4dPKY2+UTV7hXmq86X23qd0o8 /pPTT8e7nLuarrlca7nuer21e2b36RueN87d9L158Rb/ltWeOT3dvn6b /ff9 /XfFt1+cif9zsu72Xcn7q28T7xf9EDtQdlD3YfVP1v+3Njv3H9qwHeg89H cR/cGhYPP/pH1jw9DBY+Zj8uGDYbrnjg+OTniP3L96fynQ89kzyaeF/6i /suuFxyvfvjV69f00ZjRoZfy150/bXyl /erA6xmv28bCxb6+yXgzMV70VvvtwXfcdx3vo98PT+R8IH8o /2j5sfVT0Kf7kxmTk/8EA5jz/GMzLdsAAAAGY0hSTQAAeiUAAICDAAD5 /wAAgOkAAHUwAADqYAAAOpgAABdvlk/FRgAAAcVJREFUeNrs1k+ITLEUB /DP783D1IasjZVC+VM2E42V2EupmShrYmFhYUGU1WQjSrK3U10jklJrQm1 ill/FjiI2jGYxocn40Tb3V8/t/eY3T5Hil012z/ned+75nntOrxURfrcU /oD820EGcBXvMZxpa9zE8E8nIqKpHoFyXhEDESE8hcy2bFA3Aj6Mnjq+I QX4xk2NDizN89kPfZhcMsz3zQuYk3FNof9eJvqO4TRVLeOHK5yfSiizubh eCIijma25zU1055h3nQyOYVzPdK+g62ZbaIGdz+numBmn00RYAb3sL0mcC 67s/1UiSNYlDkupt+S/sn6Me6CuZTwmzCWpTpEseybz0QEY8yDi916Y /TGE52ROyKiNke/bKtwKos8lgXynbW1OMalsxD8wVMFviaOQZrwCuxpBL /jlc1NepIG+fTglLiBVZAKP4gocJ /DIFXlHBvMPHNL8+VOyf8RhXMFmdXcNduGxHxFxEnIyIM5nvVkJUEdGXl0 7WzrsC13Cjy4QuU1Y5LXcTZe20drReUrRlEXG9JpvZ9ILySTDYzHKXlWbb k+bQQWzE01SX/tQv02kdw9MmU7X1 /0firwvyYwBM1QP5WTjUAAAAABJRUS5ErkJggg== </icon> <icon_type>image/svg+xml</icon_type> <provider_name>cpanelid</provider_name> <display_name>CpanelID</display_name>
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ea4\_save\_pr  
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ea4\_tomcat8  
5\_add

ea4\_tomcat8  
5\_list

ea4\_tomcat8  
5\_rem

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ck\_trusted

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\_entries\_for\_  
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l\_provider

cpgreylist\_lo  
ad\_common\_  
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r\_s\_config

cpgreylist\_sa  
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mail\_provide  
r\_s\_config

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cpgreylist\_tru  
st\_entries\_for\_  
\_common\_m  
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trust\_entries\_  
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\_mail\_provid  
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create\_cpgr  
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delete\_cpgr  
eylist\_trusted\_  
host

disable\_cpgr  
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load\_cpgreyli  
st\_config

read\_cpgreyli  
st\_deferred\_  
entries

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st\_trusted\_ho  
st

save\_cpgreyli  
st\_config

batch

cpanel

create\_integr  
ation\_group

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/cpanelidmanage</documentation_url>
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    </providers>
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    <reason>OK</reason>
    <result>1</result>
    <command>get_available_authentication_providers<
/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
providers	<i>array of hashes</i>	An array of available identity provider names and settings.	Each hash in the array includes the <code>cpanelid_link</code> , <code>whostmgrd_link</code> , <code>webmaild_link</code> , <code>icon</code> , <code>icon_type</code> , <code>provider_name</code> , <code>display_name</code> , <code>documentation_url</code> , <code>color</code> , <code>configured</code> , <code>id</code> , <code>label</code> , <code>textcolor</code> , <code>whostmgr_enabled</code> , <code>cpanelid_enabled</code> , and <code>webmaild_enabled</code> returns.	
<code>cp</code> <code>p</code> <code>a</code> <code>n</code> <code>e</code> <code>l</code> <code>d</code>  <code>_</code> <code>l</code> <code>i</code> <code>n</code> <code>k</code>	<i>string</i>	A link to the identity provider's configuration for the <code>cpanelid</code> service on the system.  This function returns this value in the <code>providers</code> hash.	A valid URL.	<code>https://hostname.example.com:2083/op</code> <code>enid_connect/cpanelid</code>





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

color	string	The background color of the button on the cPanel interface.  This function returns this value in the providers hash.	A valid RGB hexadecimal color value.	dd4b39
configure	Boolean	Whether the identity provider is configured on the server.  This function returns this value in the providers hash.	<ul style="list-style-type: none"> <li>1 — The provider is configured.</li> <li>0 — The provider is not configured.</li> </ul>	1
id	string	The ID of the identity provider.  This function returns this value in the providers hash.	A valid string.	cpanelid
label	string	The text label that will appear on the cPanel login interface.  This function returns this value in the providers hash.	A valid string.	Log in with a cPanelID Account
text_color	string	The color of the text label on the cPanel login interface.  This function returns this value in the providers hash.	A valid RGB hexadecimal color value.	FFFFFF
whoostmgr_enabled	Boolean	Whether the identity provider is enabled for the whoostmgr service.  This function returns this value in the providers hash.	<ul style="list-style-type: none"> <li>1 — The provider is enabled for the whoostmgr service.</li> <li>0 — The provider is not enabled for the whoostmgr service.</li> </ul>	1
cpanel_enabled	Boolean	Whether the identity provider is enabled for the cpanel service.  This function returns this value in the providers hash.	<ul style="list-style-type: none"> <li>1 — The provider is enabled for the cpanel service..</li> <li>0 — The provider is not enabled for the cpanel service.</li> </ul>	1
webmail_enabled	Boolean	Whether the identity provider is enabled for the webmail service.  This function returns this value in the providers hash.	<ul style="list-style-type: none"> <li>1 — The provider is enabled for the webmail service.</li> <li>0 — The provider is not enabled for the webmail service.</li> </ul>	1

validate\_curr  
ent\_installed  
\_exim\_config

validate\_curr  
ent\_dkims

validate\_curr  
ent\_ptrs

validate\_curr  
ent\_spfs

validate\_exim  
\_configuration  
\_syntax

disable\_market  
\_provider

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\_vendor

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\_text

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\_settings

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\_rule

modsec\_clone  
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\_rule

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modsec\_ena  
ble\_vendor\_c  
onfigs

modsec\_ena  
ble\_vendor\_u  
pdates

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config\_text

modsec\_get\_  
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modsec\_get\_  
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modsec\_get\_  
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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\_featurelist

verify\_user\_has\_feature

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\_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\_default\_accounts\_to\_fpm

php\_set\_handler

php\_set\_old\_fpm\_flag



php\_set\_session\_save\_path

php\_set\_system\_default\_version

php\_set\_host\_versions

acctcounts

get\_public\_contact

getresellerips

listacts

listresellers

resellerstats

saveacllist

set\_public\_contact

setacts

setresellerips

setresellerlimits

setresellermainip

setresellernameservers

setresellerpackage\_limit

setupreseller

suspendreseller

terminatereseller

unsetupreseller

unsuspendreseller

delete\_rpm\_version

edit\_rpm\_version

get\_rpm\_version\_data

install\_rpm\_plugin

list\_rpms

package\_manager\_fixcache

package\_manager\_get\_build\_log

package\_ma  
nager\_get\_p  
ackage\_info

package\_ma  
nager\_is\_per  
forming\_actio  
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package\_ma  
nager\_list\_pa  
ckages

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nager\_resolv  
e\_actions

package\_ma  
nager\_submit  
\_actions

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nager\_upgra  
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uninstall\_rpm  
\_plugin

delete\_hook

edit\_hook

list\_hooks

reorder\_hooks

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e\_ssh\_conne  
ction

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shputty

deletesshkey

fetch\_securit  
y\_advice

generatesshk  
eypair

importsshkey

listsshkeys

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configurebac  
kgroundproc  
esskiller

configureserv  
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create\_user\_  
session

delete\_config  
clusterserver

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or\_all\_enable  
d\_services

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ct\_importanc  
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get\_appconfi  
g\_application  
\_list

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vent\_importa  
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on\_contact\_i  
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get\_available  
\_profiles

get\_current\_  
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d\_strength

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access\_hash

get\_service\_  
config

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config\_key

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get\_udp4\_so  
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get\_udp6\_so  
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get\_update\_  
availability

get\_users\_lin  
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restartservice

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run\_cpkeyclt

send\_test\_po  
sturl

send\_test\_pu  
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on\_contact\_i  
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servername

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s\_reboot

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update\_conf  
gclusterserver

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ct\_email

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verify\_icq\_ac  
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verify\_oscar\_  
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verify\_posturl  
\_access

verify\_pushbullet\_access

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fetch\_ssl\_vhosts

fetch\_vhost\_ssl\_components

fetchcrtinfo

fetchsslinfo

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get\_autossl\_check\_schedule

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get\_autossl\_pending\_queue\_for\_user

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get\_autossl\_problems\_for\_user

get\_autossl\_providers

get\_best\_ssl\_domain\_for\_service

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rebuilduserss  
ldb  
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\_ssl\_certificate  
set\_autossl\_  
metadata  
set\_autossl\_  
metadata\_key  
set\_autossl\_  
provider  
start\_autossl  
\_check\_for\_a  
ll\_users  
start\_autossl  
\_check\_for\_o  
ne\_user  
generate\_cp  
anel\_plugin  
list\_styles  
load\_style  
remove\_logo  
remove\_style  
save\_style  
set\_default  
ticket\_create  
\_stub\_ticket  
ticket\_get\_su  
pport\_agree  
ment  
ticket\_get\_su  
pport\_info  
ticket\_grant  
ticket\_list  
ticket\_remov  
e\_closed  
ticket\_revoke  
ticket\_ssh\_te  
st  
ticket\_ssh\_te  
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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

delete\_accou  
nt\_archives

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

accept\_eula

get\_available  
\_tiers

get\_current\_l  
ts\_expiration  
\_status

get\_lts\_wexpi  
re

getlongterms  
upport

installed\_ver  
sions

set\_cpanel\_u  
pdates

set\_tier

update\_upda  
teconf

version