

# WHM API 1 - Return Data

## Guide to WHM API 1

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[restore\\_modules\\_summary](#)

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[restoreaccount](#)

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## Introduction

WHM API 1 outputs data in either JSON or XML format. The output format depends on the options that you choose when you call the function.

- We **strongly** recommend that you use [JavaScript Object Notation \(JSON\)](#).
- [Extensible Markup Language \(XML\)](#) requires additional computational resources, and has complex requirements that can cause difficulty during the development process. This API's XML output is **not** compliant with XML standards, and it may result in validation errors.



### Important:

cPanel & WHM version 66 **deprecated** XML output for [cPanel API 1](#), [cPanel API 2](#), [UAPI](#), [WHM API 0](#), and [WHM API 1](#).

- Calls for XML API output will return a deprecation warning.
- We plan to remove XML output entirely in a future version of cPanel & WHM.

For more information, read our [cPanel Deprecation Plan](#) documentation.

## Basic return data

Both JSON and XML output return data as hashes or arrays of hashes. All WHM API 1 function output follows the following basic structure:

- A top-level hash contains the `data` and `metadata` hashes. In XML output, `<result>` tags wrap the top-level hash of output.
  - The `data` hash contains the function's output parameters.
  - The `metadata` hash contains the function's metadata parameters.

## Metadata



### Important:

- WHM API 1 function documentation does not include `metadata` parameters in the table of return parameter information.
- WHM API 1 calls via the command line do **not** return the metadata that other methods return if they experience errors that prevent a successful function run. To check for errors in code that calls WHM API 1 functions via the command line, validate the command line return for a nonzero exit code instead.

The metadata hash includes the following output parameters:

Metadata parameter	Type	Description	Possible values	Example
<code>version</code>	<i>integer</i>	The WHM API version.	For WHM API 1 functions, this value is <b>always</b> 1.	1
<code>reason</code>	<i>string</i>	A message of success, or a reason for failure.	<ul style="list-style-type: none"><li>• OK</li><li>• An error message.</li></ul>	OK
<code>result</code>	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none"><li>• 1 — Success.</li><li>• 0 — Failure.</li></ul>	1

## WHM API 1 Basics

**Available in:**  
WHM 11+  
**Languages:**  
JSON, XML  
**Methods:**  
GET, POST  
**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:

[accountsummary](#)  
[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\\_for\\_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](#)

command	<i>string</i>	The WHM API 1 function name.	Any WHM API 1 function's name.	listaccts
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**Note:**

If the function returns a hash with a single key whose value is an array, the metadata will include the `payload_is_literal` output parameter with a value of 1. You will **only** receive this parameter when you call WHM API's [rename\\_mysql\\_database](#) or [rename\\_mysql\\_user](#) functions, or when you call certain UAPI functions via WHM API.

## Example

The `accountsummary` function's output is typical of WHM API 1 output:

```

{
  "data": {
    "acct": [
      {
        "maxaddons": "unlimited",
        "ip": "10.215.214.95",
        "min_defer_fail_to_trigger_protection": "5",
        "legacy_backup": 0,
        "diskused": "14M",
        "maxftp": "unlimited",
        "startdate": "13 May 22 16:03",
        "max_defer_fail_percentage": "unlimited",
        "disklimit": "unlimited",
        "is_locked": 0,
        "suspendtime": null,
        "email": "user@example.com",
        "domain": "example.com",
        "unix_startdate": 1369256589,
        "user": "user",
        "plan": "extensions_user_user",
        "shell": "/bin/bash",
        "maxpop": "unlimited",
        "backup": 0,
        "theme": "paper_lantern",
        "owner": "root",
        "max_email_per_hour": "unlimited",
        "ipv6": [

        ],
        "suspendreason": "not suspended",
        "maxlst": "unlimited",
        "suspended": 0,
        "maxsql": "unlimited",
        "maxparked": "unlimited",
        "partition": "home",
        "maxsub": "unlimited"
      }
    ]
  },
  "metadata": {
    "version": 1,
    "reason": "OK",
    "result": 1,
    "command": "accountsummary"
  }
}

```

• Some functions and parameters may require that you authenticate as 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\\_authn\\_linked\\_accounts](#)

[link\\_user\\_authn\\_provider](#)

[set\\_provider\\_client\\_configurations](#)

[set\\_provider\\_display\\_configurations](#)

[twofactorauth\\_disable\\_policy](#)

• [Yosemite the appropriate WHM ports \(2086 or 2087\) to call WHM API functions.](#)

## Related Documentation

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

- [WHM API 1 Functions - list\\_configcluster servers](#) — This function lists the servers in the server's configuration cluster.
- [WHM API 1 Functions - update\\_configcluster server](#) — This function updates the username or remote access key for a cluster server.
- [WHM API 1 Functions - delete\\_configcluster server](#) — This function removes a server from a configuration cluster.
- [WHM API 1 Functions - add\\_configcluster server](#) — This function adds a server to a configuration cluster.
- [WHM API 1 Functions - abort\\_transfer\\_session](#) — This function aborts an active transfer session.

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backup\_state

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\_analytics

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create\_cphul  
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enable\_cphulk

flush\_cphulk  
\_login\_history

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get\_public\_ip

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enable\_dkim

enable\_mail\_  
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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

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modsec\_disable\_rule

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modsec\_disable\_vendor\_updates

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modsec\_enable\_vendor\_updates

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modsec\_get\_configs

modsec\_get\_configs\_with\_changes\_pending

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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\_affected\_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

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uninstall\_rpm  
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delete\_hook

edit\_hook

list\_hooks

reorder\_hooks

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importsshkey

listsshkeys

add\_configcl  
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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  
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reboot

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

restartservice

restore\_conf  
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run\_cpkeyclt

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servicestatus

set\_applicati  
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start\_profile\_  
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update\_conf  
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verify\_posturl  
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verify\_pushb  
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delete\_ssl\_v  
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disable\_auto  
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fetch\_service  
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get\_best\_ssl  
domain\_for\_s  
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install\_servic  
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installssl

listcrts

rebuildinstall  
edssldb

rebuilduserss  
ldb

reset\_autossl  
\_provider

reset\_service  
\_ssl\_certificate

set\_autossl\_  
metadata

set\_autossl\_  
metadata\_key

set\_autossl\_  
provider

start\_autossl  
\_check\_for\_a  
ll\_users

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generate\_cp  
anel\_plugin

list\_styles

load\_style

remove\_logo

remove\_style

save\_style

set\_default

ticket\_create  
\_stub\_ticket

ticket\_get\_su  
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ticket\_grant

ticket\_list

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enqueue\_tra  
nsfer\_item

fetch\_transfe  
r\_session\_log

get\_transfer\_  
session\_state

pause\_transf  
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remote\_basic  
\_credential\_c  
heck

retrieve\_tran  
sfer\_session  
\_remote\_ana  
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start\_transfer  
\_session

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validate\_syst  
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accept\_eula

get\_available  
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