

cPanel API 2 - Return Data

Guide to cPanel API 2

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[Bandwidth:: gethourlyaveragebandwidthoveryear](#)

BoxTrapper

[BoxTrapper:: accountmanagelist](#)

Branding

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[Branding:: applist](#)

[Branding:: brandingeditor](#)

[Branding:: createpkg](#)

[Branding:: cssmerge](#)

[Branding:: delbrandingobj](#)

[Branding:: delpkg](#)

Introduction

cPanel API 2 outputs data in JavaScript Object Notation (JSON).

Notes:

- XML output is only available if you call this function from the WHM API.
- cPanel & WHM version 66 **deprecated** XML output.

Warning:

This API's XML output is **not** compliant with XML standards, and it may result in validation errors. We **strongly** recommend that you use JSON.

Basic return data

cPanel API 2's JSON output returns as hashes or arrays of hashes, and is never more than two layers deep.

For example, the `Email::loadfilter` function's output is typical cPanel API 2 output:

cPanel API 2 Basics

About cPanel API 2

cPanel API 2 accesses and modifies data for cPanel accounts.

Notes:

- This feature is deprecated in cPanel & WHM version 66.

Branding:: gensprites

Branding:: getbrandingpkg

Branding:: getbrandingpkgstatus

Branding:: getdefaultbrandingpkg

Branding:: installbrandingpkgs

Branding:: installimages

Branding:: killimages

Branding:: listingtypes

Branding:: listobjecttypes

Branding:: preloadconf

Branding:: resetall

Branding:: resetscss

Branding:: resethtml

Branding:: resolvefile

Branding:: resolveocalcss

Branding:: saveocalcss

Branding:: setbrandingpkgstatus

Branding:: showpkgs

Branding:: spritelist

▼ CSVImport

CSVImport:: columnchoices

CSVImport:: configimport

CSVImport:: data

CSVImport:: fetchimportdata

CSVImport:: isenabled

CSVImport:: loaddata

CSVImport:: processdata

CSVImport:: sendcontact

```
{
  "cpanelresult": {
    "apiversion": 2,
    "func":
    "loadfilter",
    "data": [
      {
        "filtername":
        "coffee",
        "actions": [
          {
            "dest":
            "/dev/null",
            "number": 1,
            "action":
            "save"
          }
        ],
        "rules": [
          {
            "number": 1,
            "match":
            "is",
            "part":
            "$header_from:",
            "opt": "or",
            "val":
            "user@example.com"
          }
        ]
      }
    ],
    "event": {
      "result": 1
    },
    "module": "Email"
  }
}
```

Function call information

The following table lists arrays, hashes, and parameters that **always** appear in cPanel API 2 JSON output.

Warning:
With the exception of the `result` parameter, the function documents' lists of return parameters do **not** list these items.

Parameter, Array, or Hash	Description
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Related Documentation

- Use WHM API to Call cPanel API and UAPI — You can call cPanel API and UAPI functions through the WHM API.
- Guide to the Manage2 API — The Manage2 API automates cPanel license management procedures.

- CSVImport:: [uploadimport](#)
- Contactus:: [isenabled](#)
 - Contactus:: [sendcontact](#)
- Cron:: [add_line](#)
 - Cron:: [edit_line](#)
 - Cron:: [fetchcron](#)
 - Cron:: [get_email](#)
 - Cron:: [listcron](#)
 - Cron:: [remove_line](#)
 - Cron:: [set_email](#)
- CustInfo:: [contactemails](#)
 - CustInfo:: [contactprefs](#)
 - CustInfo:: [displaycontactinfo](#)
 - CustInfo:: [savecontactinfo](#)
- DBmap:: [status](#)
 - DBmap:: [version](#)
- DKIMUI:: [available](#)
 - DKIMUI:: [getrecords](#)
 - DKIMUI:: [install](#)
 - DKIMUI:: [installed](#)
 - DKIMUI:: [uninstall](#)
- DenyIp:: [listdenypids](#)
- DiskCounter:: [disk_counter](#)
- DiskUsage:: [buildcache](#)
 - DiskUsage:: [clearcache](#)
 - DiskUsage:: [fetch_raw_disk_usage](#)
 - DiskUsage:: [fetchdiskusage](#)

cpanelresult	The hash of return output.
apiversion	The cPanel API version that you called.
func	The function name.
data	The main return output array. <div style="border: 1px solid yellow; padding: 5px; text-align: center;">Note: Most functions return their output parameters within this array.</div>
event	An array of information about the function call itself. All cPanel API 2 functions include the <code>result</code> parameter in this array.
module	The module name.

View output in a `Data::Dumper` syntax

To view cPanel API 2 output in `Data::Dumper` syntax, use the [API Tracer](#). This utility dumps cPanel API output to the `error_log` file.

Warning:
Do **not** use the API Tracer utility on a production server. This utility presents **a security risk** because it can log password information.

- [Guide to UAPI](#) — UAPI accesses the cPanel interface's features.
- [Guide to WHM API 0](#) — WHM API 0 accesses the WHM interface's features.
- [Guide to cPanel API 2](#) — cPanel API 2 accesses cPanel account information and modifies settings.

DiskUsage:: fetchd
iskusagewithextras

▼ DnsLookup

DnsLookup:: name
2ip

▼ DomainLookup

DomainLookup:: c
ountbaseddomains

DomainLookup:: g
etbaseddomains

DomainLookup:: g
etdocroot

DomainLookup:: g
etdocroots

DomainLookup:: g
etmaindomain

▼ Email

Email:: accountna
me

Email:: adddomain
forward

Email:: addforward

Email:: addmx

Email:: addpop

Email:: browsebox
es

Email:: changemx

Email:: checkmain
discard

Email:: clearpopca
che

Email:: deletefilter

Email:: delforward

Email:: delmx

Email:: delpop

Email:: disablefilter

Email:: editquota

Email:: enablefilter

Email:: fetchautore
sponder

Email:: fetchcharm
aps

Email:: filteractions

Email:: filterlist

Email:: filtername

Email:: filterrules

Email:: get_archivi
ng_configuration

Email: get_archiving_default_configuration

Email: get_archiving_types

Email: get_default_email_quota

Email: get_email_signing

Email: get_max_email_quota

Email: getabsbrowse

Email: getalwaysaccept

Email: getdiskusage

Email: getmxcheck

Email: has_delegated_mailman_lists

Email: list_system_filter_info

Email: listaliasbackups

Email: listautoresponders

Email: listdefaultaddresses

Email: listdomainforwards

Email: listfilterbackups

Email: listfilters

Email: listforwards

Email: listlists

Email: listmaildomains

Email: listmx

Email: listmxs

Email: listpops

Email: listpopssingle

Email: listpopswitchdisk

Email: listpopswitchimage

Email: loadfilter

Email: passwdpop

Email:: reorderfilter
s

Email:: set_archivi
ng_configuration

Email:: set_archivi
ng_default_configu
ration

Email:: set_email_
signing

Email:: setalwaysa
ccept

Email:: setdefaulta
ddress

Email:: setmxchec
k

Email:: storefilter

Email:: tracefilter

▼ EmailTrack

EmailTrack:: searc
h

EmailTrack:: stats

EmailTrack:: trace

▼ Encoding

Encoding:: get_en
codings

Encoding:: guess_
file

Encoding:: guess_
file_opts

▼ FSTest

FSTest:: dirisempt
y

▼ Fileman

Fileman:: autocom
pletedir

Fileman:: fileop

Fileman:: getabsdir

Fileman:: getdir

Fileman:: getdiracti
ons

Fileman:: getdiskin
fo

Fileman:: geteditty
pe

Fileman:: getfileact
ions

Fileman:: getpath

Fileman:: listfiles

Fileman:: mkdir

Fileman:: mkfile

Fileman:: savefile

Fileman:: search

Fileman:: statfiles

Fileman:: uploadfiles

Fileman:: viewfile

▼ ForcePassword

ForcePassword:: get_force_password_flags

ForcePassword:: update_force_password_flags

▼ Frontpage

Frontpage:: fpenabled

Frontpage:: list

▼ Ftp

Ftp:: addftp

Ftp:: delftp

Ftp:: listftp

Ftp:: listftpsessions

Ftp:: listftpwithdisk

Ftp:: passwd

Ftp:: setquota

▼ Gpg

Gpg:: listgpgkeys

Gpg:: listsecretgpgkeys

Gpg:: number_of_private_keys

Gpg:: number_of_public_keys

▼ Htaccess

Htaccess:: listuser

Htaccess:: listusers

▼ HttpUtils

HttpUtils:: getdirindices

▼ ImageManager

ImageManager:: thumbnail

▼ LVEInfo

LVEInfo:: getUsage

▼ LangMods

LangMods:: getarchname

LangMods:: getkey

LangMods:: getpre
fix

LangMods:: install

LangMods:: langlis
t

LangMods:: list_av
ailable

LangMods:: list_in
stalled

LangMods:: magic
_status

LangMods:: pre_ru
n

LangMods:: search

LangMods:: setup

LangMods:: uninst
all

LangMods:: updat
e

▼ LeechProtect

LeechProtect:: set
up

▼ Locale

Locale:: get_encod
ing

Locale:: get_html_
dir_attr

Locale:: get_locale
_name

Locale:: get_user_
ocale

Locale:: get_user_
ocale_name

Locale:: numf

▼ Logaholic

Logaholic:: adduse
r

Logaholic:: adduse
rprofile

Logaholic:: deleteu
ser

Logaholic:: deleteu
serprofile

Logaholic:: edituse
r

Logaholic:: fetchus
er

Logaholic:: listuser
profiles

Logaholic:: logahol

iclink

Logaholic:: proces
sstats

▼ Mime

Mime:: list_hotlinks

Mime:: listhandlers

Mime:: listmime

Mime:: listredirects

Mime:: redirectna
me

Mime:: redirecturln
ame

▼ MysqlFE

MysqlFE:: authoriz
ehost

MysqlFE:: change
dbuserpassword

MysqlFE:: created
b

MysqlFE:: created
buser

MysqlFE:: dbusere
xists

MysqlFE:: deautho
rizehost

MysqlFE:: deleted
b

MysqlFE:: deleted
buser

MysqlFE:: getalldb
sinfo

MysqlFE:: getalldb
usersanddbs

MysqlFE:: getdbus
erprivileges

MysqlFE:: getdbus
ers

MysqlFE:: gethosts

MysqlFE:: getmys
qlprivileges

MysqlFE:: getmys
qlserverprivileges

MysqlFE:: has_my
cnf_for_cpuser

MysqlFE:: listdbs

MysqlFE:: listdbsb
ackup

MysqlFE:: listhosts

MysqlFE:: listusers

MysqlFE:: listusers

indb

MysqlFE:: revoked
buserprivileges

MysqlFE:: setdbu
erprivileges

MysqlFE:: userdbp
rivs

▼ MysqlOptimizer

MysqlOptimizer:: f
etch_slow_queries

▼ NVData

NVData:: get

NVData:: set

NVData:: setall

▼ Net

Net:: dnszone

Net:: traceroute

▼ News

News:: does_news
_exist

News:: does_news
_type_exist

News:: get_news

▼ PHPINI

PHPINI:: getallopti
ons

PHPINI:: getoption
s

▼ Park

Park:: listaddondo
mains

Park:: listparkeddo
mains

Park:: park

Park:: unpark

▼ Passwd

Passwd:: change_
password

Passwd:: set_dige
st_auth

▼ PasswdStrength

PasswdStrength::
appstrengths

PasswdStrength::
get_password_stre
ngth

PasswdStrength::
get_required_stren
gth

▼ Postgres

Postgres:: listdbs

Postgres:: listusers

Postgres:: listusers
indb

Postgres:: userexists

▼ Rand

Rand:: getranddata

▼ Resellers

Resellers:: get_sub_accounts

▼ RoR

RoR:: addapp

RoR:: changeapp

RoR:: importrails

RoR:: listapps

RoR:: listrewrites

RoR:: needsimport

RoR:: removeapp

RoR:: removerewrite

RoR:: restartapp

RoR:: setuprewrite

RoR:: softrestartapp

RoR:: startapp

RoR:: stopapp

▼ SetLang

SetLang:: setlocale

▼ SourceIPCheck

SourceIPCheck:: addip

SourceIPCheck:: delip

SourceIPCheck:: getaccount

SourceIPCheck:: listips

SourceIPCheck:: loadsecquestions

SourceIPCheck:: resetsecquestions

SourceIPCheck:: samplequestions

SourceIPCheck:: savequestions

▼ SPFUI

SPFUI:: available

SPFUI:: count_settings

SPFUI:: entries_complete

SPFUI:: get_raw_record

SPFUI:: getmainserverip

SPFUI:: install

SPFUI:: installed

SPFUI:: list_settings

SPFUI:: load_current_values

SPFUI:: uninstall

▼ SSH

SSH:: authkey

SSH:: converttopk

SSH:: delkey

SSH:: fetchkey

SSH:: genkey

SSH:: genkey_legacy

SSH:: importkey

SSH:: listkeys

▼ SSL

SSL:: fetchcertificate

SSL:: fetchinfo

SSL:: genctr

SSL:: gencsr

SSL:: genkey

SSL:: getcnname

SSL:: installssl

SSL:: listcrts

SSL:: listcsrs

SSL:: listkeys

SSL:: listsslitems

SSL:: uploadcrt

SSL:: uploadkey

▼ SSLInfo

SSLInfo:: fetchinfo

▼ StatCache

StatCache:: clearcache

▼ Stats

- Stats:: getmonthly bandwidth
- Stats:: getmonthly domainbandwidth
- Stats:: getthismont hsbwusage
- Stats:: lastapache hits
- Stats:: lastvisitors
- Stats:: listanalog
- Stats:: listawstats
- Stats:: listlastvisitors
- Stats:: listrawlogs
- Stats:: listurchin
- Stats:: listwebalizer

▼ StatsBar

- StatsBar:: getrowcounter
- StatsBar:: rowcounter
- StatsBar:: setrowcounter
- StatsBar:: stat

▼ SubDomain

- SubDomain:: adds ubdomain
- SubDomain:: changedocroot
- SubDomain:: delsubdomain
- SubDomain:: getservedsubdomains
- SubDomain:: listsubdomains
- SubDomain:: validregex

▼ Themes

- Themes:: apply_new_theme
- Themes:: does_cpanel_theme_exist
- Themes:: get_available_themes
- Themes:: get_themes_list
- Themes:: restore_saved_theme

▼ UI

- UI:: dynamicincludelist
- UI:: includelist
- UI:: listform
- UI:: paginate
- UI:: paginate_list

▼ UserHttpUtils

- UserHttpUtils:: getdirindices

▼ WebDisk

- WebDisk:: addwebdisk
- WebDisk:: delwebdisk
- WebDisk:: hasdigest
- WebDisk:: listwebdisks
- WebDisk:: passwdwebdisk
- WebDisk:: set_digest_auth
- WebDisk:: set_home_dir
- WebDisk:: set_perms
- WebDisk:: setstatus

▼ WebmailApps

- WebmailApps:: listwebmailapps

▼ ZoneEdit

- ZoneEdit:: add_zone_record
- ZoneEdit:: edit_zone_record
- ZoneEdit:: fetch_cpanel_generated_domains
- ZoneEdit:: fetchzone
- ZoneEdit:: fetchzone_records
- ZoneEdit:: fetchzones
- ZoneEdit:: get_zone_record
- ZoneEdit:: remove_zone_record
- ZoneEdit:: resetzone

