

# cPanel API 2 Functions - Bandwidth::gethourlyaveragebwoveryear

## Guide to cPanel API 2

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AddonDomain:: [addaddondomain](#)

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Backups:: [listfullbackups](#)

Bandwidth:: [addhttpbandwidth](#)

Bandwidth:: [getbwdata](#)

Bandwidth:: [gethourlyaveragebwoveryear](#)

BoxTrapper:: [accountmanagelist](#)

Branding:: [addbrandingobj](#)

Branding:: [applist](#)

Branding:: [brandingeditor](#)

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Branding:: [cssmerge](#)

Branding:: [delbrandingobj](#)

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Branding:: [getbrandingpkgstatus](#)

Branding:: [getdefaultbrandingpkg](#)

Branding:: [installbrandingpkgs](#)

## Description

This function returns an account's average hourly peak bandwidth use for one year.



### Warning:

We removed this function in cPanel & WHM version 11.52. We **strongly** recommend that you use the following UAPI function instead of this function:

- [Bandwidth::query](#) — This function queries an account's bandwidth data and returns a report.

## Examples

```
https://hostname.example.com:2087/cpsess#####/json-api/cpanel?cpanel_jsonapi_user=user&cpanel_jsonapi_apiversion=2&cpanel_jsonapi_module=Bandwidth&cpanel_jsonapi_func=gethourlyaveragebwoveryear&types=all&cf=AVERAGE
```



### Note:

For more information, read our [Calls from the WHM API](#) documentation.

```
$cpanel = new CPANEL(); // Connect to cPanel - only do this once.

// Get bandwidth data for example.com.
$add_bandwidth = $cpanel->api2(
    'bandwidth', 'gethourlyaveragebwoveryear',
    array(
        'types'
    ),
    'all',
    'cf'
    'AVERAGE',
);
```



### Note:

For more information, read our [Guide to the LiveAPI System](#).

## Function information

### Module:

Bandwidth

### API Version:

cPanel API 2

### Available in:

cPanel 11.50 and earlier.

### Methods:

GET, POST

### Required Parameters:

types

### Return Format:

JSON, XML



### Notes:

- XML output: [call this](#)
- cPanel deprecated XML output

### Legacy Equivalents:

(none)

## About this module

The Bandwidth module retrieves a domain's bandwidth data.

## About cPanel API 2

cPanel API 2 accesses and modifies data for cPanel accounts.



### Notes:

Branding:: [installimages](#)

Branding:: [killimages](#)

Branding:: [listimgtypes](#)

Branding:: [listobjecttypes](#)

Branding:: [preloadconf](#)

Branding:: [resetall](#)

Branding:: [resetcss](#)

Branding:: [resethtml](#)

Branding:: [resolvefile](#)

Branding:: [resolvelocalcss](#)

Branding:: [savelocalcss](#)

Branding:: [setbrandingpkgstatus](#)

Branding:: [showpkgs](#)

Branding:: [spritelist](#)

CSVImport:: [columnchoices](#)

CSVImport:: [configimport](#)

CSVImport:: [data](#)

CSVImport:: [fetchimportdata](#)

CSVImport:: [isenabled](#)

CSVImport:: [loaddata](#)

CSVImport:: [processdata](#)

CSVImport:: [sendcontact](#)

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](#)

```
my $cpliveapi = Cpanel::LiveAPI->new(); # Connect to
cPanel - only do this once.

# Get bandwidth data for example.com.
my $get_bandwidth_data = $cpliveapi->api2(
    'Bandwidth', 'gethourlyaveragebwoveryear',
    {
        'types' =>
        'all',
        'cf' =>
        'AVERAGE',
    }
);
```



**Note:**

For more information, read our [Guide to the LiveAPI System](#).



**Warning:**

In cPanel & WHM version 11.30 and later, cPanel tags are **deprecated**. We provide this example to help developers move from the old cPanel tag system to our [LiveAPI](#) system. We **strongly** recommend that you **only** use the [LiveAPI](#) system to call the cPanel APIs.



**Important:**

Because we removed this function before we introduced this functionality, you **cannot** call this function via the command line.

```
{
  "cpanelresult": {
    "apiversion": 2,
    "func": "gethourlyaveragebwoveryear",
    "data": [
      {
        "ftp": [
          [
            0,
            0
          ],
          [
            3600,
            0
          ],
          [
            7200,
            0
          ],
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            10800,
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            14400,
            0
          ],
          [
            18000,
            0
          ],
          [
            0,
            0
          ]
        ]
      }
    ]
  }
}
```

- These functions may require a feature list. To view the available features list on a cPanel server, view WHM's [Feature Manager](#) interface.
- Unless you can

```

CustInfo:: contact mails [ 21600,
                                0
CustInfo:: contactpreferences ],
                                [
CustInfo:: displaycontactinfo 25200,
                                0
CustInfo:: savecontactinfo ],
                                [
DBmap:: status 28800,
                                0
DBmap:: version ],
                                [
DenyIp:: listdenyips 32400,
                                0
DiskCounter:: disk_counter ],
                                [
DiskUsage:: buildcache 36000,
                                0
DiskUsage:: clearcache ],
                                [
DiskUsage:: fetch_raw_disk_usage 39600,
                                0
DiskUsage:: fetchdiskusage ],
                                [
DiskUsage:: fetchdiskusagewithextras 43200,
                                0
DKIMUI:: available ],
                                [
DKIMUI:: getrecords 46800,
                                0
DKIMUI:: install ],
                                [
DKIMUI:: installed 50400,
                                0
DKIMUI:: uninstall ],
                                [
DnsLookup:: name2ip 54000,
                                0
DomainLookup:: countbaseddomains ],
                                [
DomainLookup:: getbaseddomains 57600,
                                0
DomainLookup:: getdocroot ],
                                [
DomainLookup:: getdocroots 61200,
                                0
DomainLookup:: getmaindomain ],
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Email:: accountname ],
                                [
Email:: adddomainforward 72000,
                                0
Email:: addforward ],
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Email:: addmx 75600,
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Email:: addpop ],
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Email:: browseboxes 79200,
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Email:: changemx ],
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Email:: checkmaindiscard 82800,
                                0

```

This API view of the WHM API, you must use the appropriate cPanel endpoints (2082083). You can also call some functions via cPanel's Webmail port

Email: [clearpopcache](#)  
 Email: [deletefilter](#)  
 Email: [delforward](#)  
 Email: [delmx](#)  
 Email: [delpop](#)  
 Email: [disablefilter](#)  
 Email: [editquota](#)  
 Email: [enablefilter](#)  
 Email: [fetchautoresponder](#)  
 Email: [fetchcharmaps](#)  
 Email: [filteractions](#)  
 Email: [filterlist](#)  
 Email: [filtername](#)  
 Email: [filterrules](#)  
 Email: [get\\_archiving\\_configuration](#)  
 Email: [get\\_archiving\\_default\\_configuration](#)  
 Email: [get\\_archiving\\_types](#)  
 Email: [get\\_default\\_email\\_quota](#)  
 Email: [get\\_email\\_sizing](#)  
 Email: [get\\_max\\_email\\_quota](#)  
 Email: [getabsbrowse\\_dir](#)  
 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](#)

```

    ],
    "smtp": [
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        0,
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```

## Find a function

## Related functions

- [cPanel API 2 Modules - Bandwidth](#) — The Bandwidth module retrieves a domain's bandwidth data.
- [cPanel API 2 Functions - Bandwidth: addhttpbandwidth](#) — This function adds bandwidth to an account.
- [cPanel API 2 Functions - Bandwidth: getbwdata](#) — This function queries a [Round Robin Database \(RRD\)](#) dataset for your account's bandwidth data.
- [cPanel API 2 Functions - Bandwidth: gethourlyaveragebwoveryear](#) — This function returns an account's average hourly peak bandwidth use for one year.
- [cPanel API 2 Functions - Bandwidth: getbwdata](#) — This function queries a [Round Robin Database \(RRD\)](#) dataset for your account's bandwidth data.

Email: <a href="#">listfilters</a>	[
	61200,
	0
Email: <a href="#">listforwards</a>	],
	[
Email: <a href="#">listlists</a>	64800,
	0
Email: <a href="#">listmaildomains</a>	],
	[
Email: <a href="#">listmx</a>	68400,
	0
Email: <a href="#">listmxs</a>	],
	[
Email: <a href="#">listpops</a>	72000,
	0
Email: <a href="#">listpopssingle</a>	],
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Email: <a href="#">listpopswithdisk</a>	75600,
	0
Email: <a href="#">listpopswithimage</a>	],
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Email: <a href="#">loadfilter</a>	79200,
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Email: <a href="#">passwdpop</a>	],
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Email: <a href="#">reorderfilters</a>	82800,
	0
Email: <a href="#">set_archiving_configuration</a>	]
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Email: <a href="#">set_archiving_default_configuration</a>	"http": [
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	0,
	0
Email: <a href="#">set_email_signing</a>	],
	[
Email: <a href="#">setalwaysaccept</a>	3600,
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Email: <a href="#">setdefaultaddress</a>	[
	7200,
	0
Email: <a href="#">setmxcheck</a>	],
	[
Email: <a href="#">storefilter</a>	10800,
	0
Email: <a href="#">tracefilter</a>	],
EmailTrack: <a href="#">search</a>	[
	14400,
	0
EmailTrack: <a href="#">stats</a>	],
	[
EmailTrack: <a href="#">trace</a>	18000,
	0
Encoding: <a href="#">get_encodings</a>	],
	[
Encoding: <a href="#">guess_file</a>	21600,
	0
Encoding: <a href="#">guess_file_opts</a>	],
	[
Fileman: <a href="#">autocomplete_dir</a>	25200,
	0
Fileman: <a href="#">fileop</a>	],
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Fileman: <a href="#">getabsdir</a>	28800,
	0
Fileman: <a href="#">getdir</a>	],
	[
Fileman: <a href="#">getdiractions</a>	32400,
	0
Fileman: <a href="#">getdiskinfo</a>	],
	[
Fileman: <a href="#">getedittype</a>	

```

Fileman:: getfileactions
Fileman:: getpath
Fileman:: listfiles
Fileman:: mkdir
Fileman:: mkfile
Fileman:: savefile
Fileman:: search
Fileman:: statfiles
Fileman:: uploadfiles
Fileman:: viewfile
ForcePassword:: get\_force\_password\_flags
ForcePassword:: update\_force\_password\_flags
Frontpage:: fpenabled
Frontpage:: list
FSTest:: dirisempty
Ftp:: addftp
Ftp:: delftp
Ftp:: listftp
Ftp:: listftpsessions
Ftp:: listftpwithdisk
Ftp:: passwd
Ftp:: setquota
Gpg:: listgpgkeys
Gpg:: listsecretgpgkeys
Gpg:: number\_of\_private\_keys
Gpg:: number\_of\_public\_keys
Htaccess:: listuser
Htaccess:: listusers
HttpUtils:: getdirindices
ImageManager:: thumbnail
LangMods:: getarchname
LangMods:: getkey
LangMods:: getprefix
LangMods:: install
LangMods:: langlist

```

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36000,
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68400,
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72000,
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75600,
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79200,
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82800,
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"pop3": [
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7200,
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LangMods:: list_ava  
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LangMods:: list_inst  
alled  
LangMods:: magic_  
status  
LangMods:: pre_run  
LangMods:: search  
LangMods:: setup  
LangMods:: uninstall  
LangMods:: update  
LeechProtect:: setup  
Locale:: get_encodi  
ng  
Locale:: get_html_di  
r_attr  
Locale:: get_locale_  
name  
Locale:: get_user_lo  
cale  
Locale:: get_user_lo  
cale_name  
Locale:: numf  
Logaholic:: adduser  
Logaholic:: adduser  
profile  
Logaholic:: deleteus  
er  
Logaholic:: deleteus  
erprofile  
Logaholic:: edituser  
Logaholic:: fetchuser  
Logaholic:: listuserp  
rofiles  
Logaholic:: logaholic  
link  
Logaholic:: process  
stats  
LVEInfo:: getUsage  
Mime:: list_hotlinks  
Mime:: listhandlers  
Mime:: listmime  
Mime:: listredirects  
Mime:: redirectname  
Mime:: redirecturlna  
me  
MySQLFE:: authorize  
host
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MysqlFE:: changed
buserpassword
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MysqlFE:: createdb
79200,
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MysqlFE:: createdb
user
82800,
0
],
MysqlFE:: deauthori
zehost
],
"imap": [
[
0,
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MysqlFE:: getalldb
info
3600,
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MysqlFE:: getalldb
usersanddbs
7200,
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MysqlFE:: getdbuse
rprivileges
10800,
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MysqlFE:: getdbuse
rs
14400,
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MysqlFE:: getmysql
serverprivileges
18000,
0
],
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MysqlFE:: has_myc
nf_for_cpuser
21600,
0
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MysqlFE:: listdbs
25200,
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[
MysqlFE:: listdbsba
ckup
28800,
0
],
[
MysqlFE:: listusers
32400,
0
],
[
MysqlFE:: listusers
ndb
36000,
0
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[
MysqlOptimizer:: fet
ch_slow_queries
39600,
0
],
Net:: dnszone
],
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Net:: traceroute
43200,
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News:: does_news_
exist
46800,
0
],
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News:: get_news
],
[
NVDData:: get
50400,

```



```

NVData:: set
NVData:: setall
Park:: listaddondomains
Park:: listparkeddomains
Park:: park
Park:: unpark
Passwd:: change_password
Passwd:: set_digest_auth
PasswdStrength:: appstrengths
PasswdStrength:: get_password_strength
PasswdStrength:: get_required_strength
PHPINI:: getalloptions
PHPINI:: getoptions
Postgres:: listdbs
Postgres:: listusers
Postgres:: listusersindb
Postgres:: userexists
Rand:: getranddata
Resellers:: get_sub_accounts
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:: setlocale
SourceIPCheck:: addip

```

```

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"all": [
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3600,
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7200,
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10800,
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14400,
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18000,
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21600,
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SourceIPCheck:: de  
lip  
SourceIPCheck:: ge  
taccount  
SourceIPCheck:: list  
ips  
SourceIPCheck:: lo  
adsecquestions  
SourceIPCheck:: re  
setsecquestions  
SourceIPCheck:: sa  
mplequestions  
SourceIPCheck:: sa  
vesecquestions  
SPFUI:: available  
SPFUI:: count\_setti  
ngs  
SPFUI:: entries\_co  
mplete  
SPFUI:: get\_raw\_re  
cord  
SPFUI:: getmainser  
verip  
SPFUI:: install  
SPFUI:: installed  
SPFUI:: list\_settings  
SPFUI:: load\_curren  
t\_values  
SPFUI:: uninstall  
SSH:: authkey  
SSH:: converttoppk  
SSH:: delkey  
SSH:: fetchkey  
SSH:: genkey  
SSH:: genkey\_legacy  
SSH:: importkey  
SSH:: listkeys  
SSL:: fetchcabundle  
SSL:: fetchinfo  
SSL:: gencrt  
SSL:: genscr  
SSL:: genkey  
SSL:: getcname  
SSL:: installssl  
SSL:: listcrts  
SSL:: listcsrs

```
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  28800,  
  0  
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  32400,  
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  72000,  
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[  
  75600,  
  0  
],  
[  
  79200,  
  0  
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[  
  82800,  
  0  
]  
]  
]  
},  
"event": {  
  "result": 1  
},
```

SSL:: [listkeys](#)

SSL:: [listsslitems](#)

SSL:: [uploadcrt](#)

SSL:: [uploadkey](#)

SSLInfo:: [fetchinfo](#)

StatCache:: [clearcache](#)

Stats:: [getmonthlybandwidth](#)

Stats:: [getmonthlydomainbandwidth](#)

Stats:: [getthismonthsbwusage](#)

Stats:: [lastapachehits](#)

Stats:: [lastvisitors](#)

Stats:: [listanalog](#)

Stats:: [listawstats](#)

Stats:: [listlastvisitors](#)

Stats:: [listrawlogs](#)

Stats:: [listurchin](#)

Stats:: [listwebalizer](#)

StatsBar:: [getrowcounter](#)

StatsBar:: [rowcounter](#)

StatsBar:: [setrowcounter](#)

StatsBar:: [stat](#)

SubDomain:: [addsubdomain](#)

SubDomain:: [changeodocroot](#)

SubDomain:: [deletesubdomain](#)

SubDomain:: [getreservedsubdomains](#)

SubDomain:: [listsubdomains](#)

SubDomain:: [validategex](#)

Themes:: [apply\\_new\\_theme](#)

Themes:: [does\\_cpanel\\_theme\\_exist](#)

Themes:: [getavailable\\_themes](#)

Themes:: [get\\_themes\\_list](#)

```
"module": "Bandwidth"
}
}
```



**Note:**

Use cPanel's *API Shell* interface (*cPanel >> Home >> Advanced >> API Shell*) to directly test cPanel API calls.

## Parameters

Parameter	Type	Description	Possible values	Example
types	string	<b>Required</b> The bandwidth type.	<ul style="list-style-type: none"> <li>http</li> <li>ftp</li> <li>smtp</li> <li>pop3</li> <li>imap</li> <li>all</li> </ul>	all
cf	string	The RRD consolidation function.  If you do <b>not</b> specify a consolidation function, this value defaults to AVERAGE.	<ul style="list-style-type: none"> <li>AVERAGE — The average of the available data points.</li> <li>MIN — The smallest of the available data points.</li> <li>MAX — The largest of the available data points.</li> <li>LAST — The last available data points.</li> </ul>	AVERAGE

## Returns

Return	Type	Description	Possible values	Example
all	integer	The amount of total bandwidth.	A positive integer, in bits.	18000,0
ftp	integer	The amount of FTP bandwidth.	A positive integer, in bits.	28800,0
http	integer	The amount of HTTP bandwidth.	A positive integer, in bits.	27800,0
imap	integer	The amount of IMAP bandwidth.	A positive integer, in bits.	25300,0
pop3	integer	The amount of Pop3 bandwidth.	A positive integer, in bits.	23200,0
smtp	integer	The amount of SMTP bandwidth.	A positive integer, in bits.	21600,0
reason	string	A message of success or a reason for failure.	A string that describes the system's action or the error.	This is an error message.

Themes:: [restore\\_saved\\_theme](#)

UI:: [dynamicincludelist](#)

UI:: [includelist](#)

UI:: [listform](#)

UI:: [paginate](#)

UI:: [paginate\\_list](#)

UserHttpUtils:: [getdirindices](#)

WebDisk:: [addwebdisk](#)

WebDisk:: [delwebdisk](#)

WebDisk:: [hasdigest](#)

WebDisk:: [listwebdisks](#)

WebDisk:: [passwordebdisk](#)

WebDisk:: [set\\_digest\\_auth](#)

WebDisk:: [set\\_home\\_dir](#)

WebDisk:: [set\\_perms](#)

WebDisk:: [setstatus](#)

WebmailApps:: [listwebmailapps](#)

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](#)

result	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none"><li>• 1 — The function succeeded.</li><li>• 0 — The function failed.</li></ul>	1
--------	----------------	---------------------------------	--	---