

cPanel API 2 Functions - Email::listmx

Guide to cPanel API 2

Return Data

Filter and Sort Output

Paginate Output

Output Columns

Calls from the WHM API

cPanel Tags (deprecated)

AddonDomain:: adddomain

omain

AddonDomain:: deladdondomain

AddonDomain:: listaddondomains

Backups

Backups:: listfullbackups

Bandwidth

Bandwidth:: addhttpbandwidth

Bandwidth:: getbwdata

Bandwidth:: gethourlyaveragebwoveryear

BoxTrapper

BoxTrapper:: accountmanagelist

Branding

Branding:: addbrandingobj

Branding:: applist

Branding:: brandingeditor

Branding:: createpkg

Branding:: cssmerge

Branding:: delbrandingobj

Branding:: delpkg

Branding:: gensprites

Description

This function lists mail exchangers. For more information about MX record settings, read our [Edit MX Entry](#) documentation.

Warning:

We **strongly** recommend that you use the following [UAPI](#) function instead of this function:

- `Email::list_mx` — This function lists Mail Exchanger (MX) records.

Note:

This function is identical to the cPanel API 2 `Email::listmxs` function.

Important:

In cPanel & WHM version 76 and later, when you disable the DNS role, the system **disables** this function. For more information, read our [How to Use Server Profiles](#) documentation.

Examples

WHM API (JSON)

```
https://hostname.example.com:2087/cpsess#####/json-api/cpanel?cpanel_jsonapi_user=user&cpanel_jsonapi_version=2&cpanel_jsonapi_module=Email&cpanel_jsonapi_func=listmx&domain="example.com"
```

Note:

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

Function information

About this module

The Email module modifies cPanel email account settings.

About cPanel API 2

Branding:: getbrandingpkg

Branding:: getbrandingpkgstatus

Branding:: getdefaultbrandingpkg

Branding:: installbrandingpkgs

Branding:: installimages

Branding:: killimages

Branding:: listingtypes

Branding:: listobjecttypes

Branding:: preloadconf

Branding:: resetall

Branding:: resetscripts

Branding:: resethtml

Branding:: resolvefile

Branding:: resolveocalcss

Branding:: saveocalcss

Branding:: setbrandingpkgstatus

Branding:: showpackages

Branding:: spritelist

▼ CSVImport

CSVImport:: columnchoices

CSVImport:: configimport

CSVImport:: data

CSVImport:: fetchimportdata

CSVImport:: isenabled

CSVImport:: loaddata

CSVImport:: processdata

CSVImport:: sendcontact

CSVImport:: uploadimport

▼ LiveAPI PHP Class

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

```
// List the mail  
exchangers for  
example.com.  
$list_all_mx =  
$cpanel->api2(  
    'Email',  
    'listmx',  
    array(  
        'user' =>  
        'user',  
        'domain'  
=> 'example.com',  
    )  
);
```

Note:

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

cPanel API 2 accesses and modifies data for cPanel accounts.

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Find a function

- cPanel API 2 Functions - Email::edit quote — This function modifies an account's disk quota.

- Contactus:: isenab led
 - Contactus:: sendcontact
 - Cron:: add_line
 - Cron:: edit_line
 - Cron:: fetchcron
 - Cron:: get_email
 - Cron:: listcron
 - Cron:: remove_line
 - Cron:: set_email
 - CustInfo:: contactemails
 - CustInfo:: contactrefs
 - CustInfo:: displaycontactinfo
 - CustInfo:: savecontactinfo
 - DBmap:: status
 - DBmap:: version
 - DKIMUI:: available
 - DKIMUI:: getrecords
 - DKIMUI:: install
 - DKIMUI:: installed
 - DKIMUI:: uninstall
 - DenyIp:: listdenypis
 - DiskCounter:: disk_counter
 - DiskUsage:: buildcache
 - DiskUsage:: clearcache
 - DiskUsage:: fetch_raw_disk_usage
 - DiskUsage:: fetchdiskusage
 - DiskUsage:: fetchdiskusagewithextras

LiveAPI Perl Module

```

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

# List the mail
exchangers for
example.com.
my $list_all_mx =
$cpliveapi->api2(
    'Email',
    'listmx',
    {
        'user' =>
        'user',
        'domain'
=> 'example.com',
    }
);

```

Note:

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

cPanel Tag System (deprecated)

Warnings:

- In cPanel & WHM version 11.30 and later, cPanel tags are **deprecated**. We **strongly** recommend that you **only** use the [LiveAPI](#) system to call the cPanel APIs. Examples are **only** present in order to help developers move from the old cPanel tag system to our [LiveAPI](#).
 - cPanel API 2 calls that use cPanel tags vary in code syntax and in their output.
 - For more information, read our [Deprecated cPanel Tag Usage](#) documentation.

- cPanel API 2 Functions - Email::passwdpop — This function modifies an email account's password.
 - cPanel API 2 Functions - Email::listdefaultaddresses — This function retrieves the domain's default address and its rules.

▼ 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_archivi
ng_default_configu

▼ Command Line

```
cpapi2  
--user=username Email  
listmx user=user  
domain=example.com
```

Notes:

- You **must** URI-encode values.
- `username` represents your account-level username.
- You **must** run the `--user=username` command.
- For more information and additional output options, read our [Guide to cPanel API 2](#) documentation or run the `cpapi2 --help` command.
- If you run CloudLinux™, you **must** use the full path of the `cpapi2` command:

```
/usr/local  
/cpanel/bi  
n/cpapi2
```

▼ Output (JSON)

```
{  
  "cpanelresult": {  
    "apiversion": 2,  
    "func": "listmx",  
    "data": [  
      {  
        "statusmsg":  
        "Fetched MX List",  
        "status": 1,  
        "entries": [  
          {  
            "priority": "0",  
            "mx":  
            "mail.example.com",  
            "domain":  
            "example.com",  
            "entrycount": 1,  
            "row":  
            "odd"  
          },  
          {  
            "priority": "10",  
            "mx":  
            "mail.example.com",  
            "domain":  
            "example.com",  
            "entrycount": 1,  
            "row":  
            "even"  
          }  
        ]  
      }  
    ]  
  }  
}
```

- cPanel API 2 Functions - Email::listaliasbackups - This function retrieves a list of the account's domains that use aliases and custom default addresses.

ration

Email: get_archiving_types

Email: get_default_email_quota

Email: get_email_signing

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: listaliasesbackups

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: reorderfilters

```
"priority": "7",
      "mx":
"mail2.example.com",
      "domain":
"example.com",

"entrycount": 2,
      "row":

"even"
      },
    {

"priority": "15",
      "mx":
"mail6.example.com",
      "domain":
"example.com",

"entrycount": 3,
      "row":

"odd"
      }
    ],
    "local": 1,
    "remote": 0,
    "detected":
"local",
      "mx": "mail",
      "domain":
"example.com",
      "mxcheck":

"auto",
      "secondary":

0,

"alwaysaccept": 0
      }
    ],
    "event": {
      "result": 1
    },
  },
```

Email:: set_archiving_configuration

Email:: set_archiving_default_configuration

Email:: set_email_signing

Email:: setalwaysaccept

Email:: setdefaultaddress

Email:: setmxcheck

Email:: storefilter

Email:: tracefilter

▼ EmailTrack

EmailTrack:: search

EmailTrack:: stats

EmailTrack:: trace

▼ Encoding

Encoding:: get_encodings

Encoding:: guess_file

Encoding:: guess_file_opts

▼ FSTest

FSTest:: dirisempty

▼ Fileman

Fileman:: autocompletedir

Fileman:: fileop

Fileman:: getabsdir

Fileman:: getdir

Fileman:: getdiractions

Fileman:: getdiskinfo

Fileman:: geteditty

Fileman:: getfileactions

Fileman:: getpath

Fileman:: listfiles

Fileman:: mkdir

Fileman:: mkfile

Fileman:: savefile

```

{
  "module": "Email"
}

```

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
user	string	Required The account's username.	A valid username on the cPanel account.	user
domain	string	The domain to query. If you do not use this parameter, the function returns a list of all mail exchangers on the cPanel account.	A valid domain on the cPanel account.	example.com

Returns

Return	Type	Description	Possible values	Example
statusmsg	string	A message of success or a reason for failure.	<ul style="list-style-type: none"> • Fetched MX List • A string that describes an error. 	Fetched MX List
status	Boolean	Whether the function succeeded.	<ul style="list-style-type: none"> • 1 — The function succeeded. • 0 — The function failed. 	1
entries	array of hashes	An array of hashes of a domain's mail exchangers.	Each hash contains the priority, mx, domain, entrycount, and row returns.	

- 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:: [listftpssessions](#)
 - 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:: [getarcname](#)
 - LangMods:: [getkey](#)

priority	integer	The mail exchanger's priority value. The function returns this value in the entries hash.	A positive integer.	5
mx	string	The mail exchanger name. The function returns this value in the entries hash.	A valid mail exchanger on the domain or cPanel account.	mail.example.com
domain	string	The mail exchanger's domain. The function returns this value in the entries hash.	A valid domain on the cPanel account.	example.com
entrycount	integer	The mail exchanger's order in the list of priorities. The function returns this value in the entries hash.	A positive integer. For example, the mail exchanger with the highest priority returns 1, and the next highest priority returns 2.	1
row	string	Whether the mail exchanger is an odd or an even entry. The function returns this value in the entries hash.	<ul style="list-style-type: none"> • odd • even 	odd
local	Boolean	Whether the domain's highest-priority mail exchanger is a local mail exchanger.	<ul style="list-style-type: none"> • 1 — Local. • 0 — Not local. 	1
remote	Boolean	Whether the domain's highest-priority mail exchanger is remote.	<ul style="list-style-type: none"> • 1 — Remote. • 0 — Not remote. 	0
detected	string	The domain's highest-priority mail exchanger's type.	<ul style="list-style-type: none"> • auto • local • remote • secondary 	auto
mx	string	The domain's highest-priority mail exchanger's name.	A valid mail exchanger on the domain or cPanel account.	mail.example.com
domain	string	The domain.	A valid domain on the cPanel account.	example.com

LangMods:: getpre
fix

LangMods:: install

LangMods:: langlist

LangMods:: list_available

LangMods:: list_installed

LangMods:: magic_status

LangMods:: pre_run

LangMods:: search

LangMods:: setup

LangMods:: uninstall

LangMods:: update

▼ LeechProtect

LeechProtect:: setup

▼ Locale

Locale:: get_encoding

Locale:: get_html_dir_attr

Locale:: get_locale_name

Locale:: get_user_locale

Locale:: get_user_locale_name

Locale:: numf

▼ Logaholic

Logaholic:: adduser

Logaholic:: adduserprofile

Logaholic:: deleteuser

Logaholic:: deleteuserprofile

Logaholic:: edituser

Logaholic:: fetchuser

Logaholic:: listuserprofiles

Logaholic:: logaholiclink

mxcheck	<i>string</i>	The domain's highest-priority mail exchanger's type.	<ul style="list-style-type: none"> • auto • local • remote • secondary 	auto
secondary	<i>Boolean</i>	Whether the domain's highest-priority mail exchanger is secondary.	<ul style="list-style-type: none"> • 1 — Secondary • 0 — Not secondary. 	0
alwaysaccept	<i>Boolean</i>	Whether the domain's highest-priority mail exchanger accepts local mail.	<ul style="list-style-type: none"> • 1 — Accept local mail. • 0 — Does not accept local mail. 	1
reason	<i>string</i>	A reason for failure. <div style="border: 1px solid orange; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Note : This function only returns a reason value if it failed.</p> </div>	A string that describes the error.	This is an error message.
result	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none"> • 1 — The function succeeded. • 0 — The function failed. 	1

Logaholic:: proces
sstats

▼ Mime

Mime:: list_hotlinks

Mime:: listhandlers

Mime:: listmime

Mime:: listredirects

Mime:: redirectname

Mime:: redirecturlname

▼ MysqlFE

MysqlFE:: authorizehost

MysqlFE:: change
dbuserpassword

MysqlFE:: created
b

MysqlFE:: created
buser

MysqlFE:: dbuserexists

MysqlFE:: deauthorizehost

MysqlFE:: deleted
b

MysqlFE:: deleted
buser

MysqlFE:: getalldb
sinfo

MysqlFE:: getalldb
usersanddbs

MysqlFE:: getdbuserprivileges

MysqlFE:: getdbusers

MysqlFE:: gethosts

MysqlFE:: getmysqlprivileges

MysqlFE:: getmysqlserverprivileges

MysqlFE:: has_my
cnf_for_cpuser

MysqlFE:: listdbs

MysqlFE:: listdbsback
up

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:: userexi
sts

▼ Rand

Rand:: getranddat
a

▼ Resellers

Resellers:: get_su
b_accounts

▼ RoR

RoR:: addapp

RoR:: changeapp

RoR:: importrails

RoR:: listapps

RoR:: listrewrites

RoR:: needsimport

RoR:: removeapp

RoR:: removerewri
te

RoR:: restartapp

RoR:: setuprewrite

RoR:: softrestartap
p

RoR:: startapp

RoR:: stopapp

▼ SetLang

SetLang:: setlocale

▼ SourceIPCheck

SourceIPCheck:: a
ddip

SourceIPCheck:: d
elip

SourceIPCheck:: g
etaccount

SourceIPCheck:: li
stips

SourceIPCheck:: l
oadsecquestions

SourceIPCheck:: r
esetsecquestions

SourceIPCheck:: s
amplequestions

SourceIPCheck:: s
avesecquestions

▼ SPFUJ

SPFUJ:: available

SPFUJ:: count_sett
ings

SPFUI:: entries_co
mplete

SPFUI:: get_raw_r
ecord

SPFUI:: getmainse
rverip

SPFUI:: install

SPFUI:: installed

SPFUI:: list_settin
gs

SPFUI:: load_curr
ent_values

SPFUI:: uninstall

▼ SSH

SSH:: authkey

SSH:: converttopp
k

SSH:: delkey

SSH:: fetchkey

SSH:: genkey

SSH:: genkey_leg
acy

SSH:: importkey

SSH:: listkeys

▼ SSL

SSL:: fetchcabundl
e

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:: clearc
ache

▼ Stats

Stats:: getmonthly

bandwidth

Stats:: getmonthly
domainbandwidth

Stats:: getthismont
hsbwusage

Stats:: lastapache
hits

Stats:: lastvisitors

Stats:: listanalog

Stats:: listawstats

Stats:: listlastvisito
rs

Stats:: listrawlogs

Stats:: listurchin

Stats:: listwebalize
r

▼ StatsBar

StatsBar:: getrowc
ounter

StatsBar:: rowcoun
ter

StatsBar:: setrowc
ounter

StatsBar:: stat

▼ SubDomain

SubDomain:: adds
ubdomain

SubDomain:: chan
gedocroot

SubDomain:: delsu
bdomain

SubDomain:: getre
servedsubdomains

SubDomain:: listsu
bdomains

SubDomain:: validr
egex

▼ Themes

Themes:: apply_n
ew_theme

Themes:: does_cp
anel_theme_exist

Themes:: get_avail
able_themes

Themes:: get_the
mes_list

Themes:: restore_
saved_theme

▼ UI

UI:: dynamicinclud
elist

UI:: includelist

UI:: listform

UI:: paginate

UI:: paginate_list

▼ UserHttpUtils

UserHttpUtils:: get
dirindices

▼ WebDisk

WebDisk:: addweb
disk

WebDisk:: delweb
disk

WebDisk:: hasdige
st

WebDisk:: listwebd
isks

WebDisk:: passwd
webdisk

WebDisk:: set_dig
est_auth

WebDisk:: set_ho
mdir

WebDisk:: set_per
ms

WebDisk:: setstatu
s

▼ WebmailApps

WebmailApps:: list
webmailapps

▼ ZoneEdit

ZoneEdit:: add_zo
ne_record

ZoneEdit:: edit_zo
ne_record

ZoneEdit:: fetch_c
panel_generated_
domains

ZoneEdit:: fetchzo
ne

ZoneEdit:: fetchzo
ne_records

ZoneEdit:: fetchzo
nes

ZoneEdit:: get_zon
e_record

ZoneEdit:: remove
_zone_record

ZoneEdit:: resetzo
ne

