

cPanel API 2 Functions - Email::addmx

Guide to cPanel API 2

Return Data

Filter and Sort Output

Paginate Output

Output Columns

Calls from the WHM API

cPanel Tags
(deprecated)

AddonDo
main:: add
daddond

omain

AddonDomain:: del
addondomain

AddonDomain:: list
addondomains

Backups

Backups:: listfullba
ckups

Bandwidth

Bandwidth:: addhtt
pbandwidth

Bandwidth:: getbw
data

Bandwidth:: getho
urlyaveragebwover
year

BoxTrapper

BoxTrapper:: acco
untmanagelist

Branding

Branding:: addbra
ndingobj

Branding:: applist

Branding:: brandin
geditor

Branding:: createp
kg

Branding:: cssmer
ge

Branding:: delbran
dingobj

Branding:: delpkg

Branding:: gensprit
es

Description

This function creates an MX record. 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::add_mx` — This function creates a Mail Exchanger (MX) record.

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_apiversion=2&cpanel_jsonapi_module=Email&cpanel_jsonapi_func=addmx&domain="example.com"&exchange="newmx.example.com"&oldexchange="oldmail"&oldpreference="1"&alwaysaccept="auto"
```

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.

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:: showpkgs

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.  
  
// Replace  
mail.example.com with  
an MX entry for  
newmx.example.com.  
$add_new_mx =  
$cpanel->api2(  
    'Email',  
    'addmx',  
    array(  
  
        'alwaysaccept'  
=> 'auto',  
        'domain'  
=> 'example.com',  
        'exchange'  
=>  
        'newmx.example.com',  
        'oldexchange'  
=> 'mail',  
  
        'oldpreference'  
=> '5',  
        'preference'  
=> '15',  
    )  
);
```

Note:

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

About cPanel API 2

cPanel API 2 accesses and modifies data for cPanel accounts.

Notes:

- Thursday, February 20, 2014 at 10:20 AM
- Thursday, February 20, 2014 at 10:20 AM

Find a function

▼ 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

▼ cPanel Tag System (deprecated)

Warnings:

- In cPanel & WHM version 11.30 and later, cPanel tags are **deprecat**ed. 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 [Deprecat](#)ed cPanel Tag Usage docume ntation.

▼ Command Line

```
cpapi2  
--user=username Email  
addmx  
domain=example.com ex  
change=newmx.example.  
com oldexchange=mail  
oldpreference=5  
preference=15  
alwaysaccept=auto
```

Note:

For more information and additional output options, read our [Guide to cPanel API 2](#) doc umentation or run the `cpapi2 --help` com mand.

- cPan
el
API
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Func
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Emai
l::list
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dres
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This
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retrie
ves
the
dom
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defa
ult
addr
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and
its
rules

- cPan
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API
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Func
tions
-
Emai
l::list
alias
back
ups

—
This
functi
on
retrie
ves
a
list
of
the
acco
unt's
dom
ains
that
use
alias
es
and
custo
m
defa
ult
addr
esse
s.

ration

Email: get_archiving_types

Email: get_default_email_quota

Email: get_email_signing

Email: get_max_email_quota

Email: getabsbrowserdir

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: listpopswithdisk

Email: listpopswithimage

Email: loadfilter

Email: passwdpop

Email: reorderfilters

~ Output (JSON)

```
{
  "cpanelresult": {
    "apiversion": 2,
    "func": "addmx",
    "data": [
      {
        "statusmsg":
"Added entry:
example.com.\tIN\tMX\t0\tnewmx.\n\nBind
reloading on server1
using rndc zone:
[example.com]\n",
        "status": 1,
        "checkmx": {
          "warnings":
[
            ],
          "issecondary": 0,
          "local": 0,
          "detected":
"local",
          "remote":
0,
          "isprimary": 1,
          "changed":
0,
          "secondary": 0,
          "mxcheck":
"auto"
        },
        "results":
"Added entry:
example.com.\tIN\tMX\t0\tnewmx.\n\nBind
reloading on server1
using rndc zone:
[example.com]\n"
      }
    ],
    "event": {
      "result": 1
    },
    "module": "Email"
  }
}
```

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:: getedittype

Fileman:: getfileactions

Fileman:: getpath

Fileman:: listfiles

Fileman:: mkdir

Fileman:: mkfile

Fileman:: savefile

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
alwaysaccept	string	Whether the mail exchanger accepts mail for its domain. This parameter defaults to auto.	<ul style="list-style-type: none">auto — Allow cPanel to determine the appropriate role.local — Always accept the domain's mail.secondary — Accept mail until a higher priority mail server is available.remote — Do not accept mail.	auto
domain	string	Required The new mail exchanger's domain.	A valid domain on the cPanel account.	example.com
exchange, newmx, or exchanger	string	Required The new mail exchanger's name.	A valid mail exchanger name.	newmx.example.com
oldexchange, oldmx, or oldexchanger	string	Required The name of an existing mail exchanger, which the new exchanger replaces.	A valid mail exchanger on the cPanel account.	mail

- Fileman:: [search](#)
- Fileman:: [staffiles](#)
- 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](#)

oldpreference or oldpriority	<i>integer</i>	<p>Required</p> <p>The oldexchanger's priority value.</p> <p>If multiple MX entries match the oldexchange value, the system uses this parameter to find the correct entry.</p>	A positive integer.	5
preference or priority	<i>integer</i>	<p>Required</p> <p>The new mail exchanger's priority value.</p>	<p>A positive integer.</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note : It is common practice to set a priority value that is divisible by five.</p> </div>	15

Returns

Return	Type	Description	Possible values	Example
statusmsg	<i>string</i>	A message of success or a reason for failure.	<ul style="list-style-type: none"> A message of success that includes the mail exchanger, domain, and server name. A string that describes an error. 	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Click to view... Added entry: example.com.\tIN\tMX\t0\tnewmx.\n\nBind reloading on server1 using rndc zone: [example.com]\n

- Htaccess
 - Htaccess:: [listusers](#)
 - Htaccess:: [listusers](#)
- HttpUtils
 - HttpUtils:: [getdirindices](#)
- ImageManager
 - ImageManager:: [thumbnail](#)
- LVEInfo
 - LVEInfo:: [getUsage](#)
- LangMods
 - LangMods:: [getarcname](#)
 - LangMods:: [getkey](#)

LangMods:: [getprefix](#)

LangMods:: [install](#)

LangMods:: [listavailable](#)

LangMods:: [listinstalled](#)

LangMods:: [magicstatus](#)

LangMods:: [pre-run](#)

LangMods:: [search](#)

LangMods:: [setup](#)

LangMods:: [uninstall](#)

LangMods:: [update](#)

▼ [LeechProtect](#)

LeechProtect:: [setup](#)

▼ [Locale](#)

Locale:: [getencoding](#)

Locale:: [gethtml_dir_attr](#)

Locale:: [getlocale_name](#)

Locale:: [getuser_locale](#)

Locale:: [getuser_locale_name](#)

Locale:: [numf](#)

▼ [Logaholic](#)

Logaholic:: [adduser](#)

Logaholic:: [adduserprofile](#)

Logaholic:: [deleteuser](#)

Logaholic:: [deleteuserprofile](#)

Logaholic:: [edituser](#)

Logaholic:: [fetchuser](#)

Logaholic:: [listuserprofiles](#)

Logaholic:: [logaholiclink](#)

status	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none"> 1 — The function succeeded. 0 — The function failed. 	1
checkmx	<i>hash</i>	A hash of the mail exchanger's data.	This hash includes the warnings, issecondary, local, detected, remote, isprimary, changed, secondary, and mxcheck returns.	
warnings	<i>string</i>	Warning messages, if any exist. The function returns this value in the checkmx hash.	One or more warning messages.	▼ Click to view... Auto Detect of MX configuration not possible due to non-resolving MX entries. Defaulting to last known setting: local.
issecondary	<i>Boolean</i>	Whether the mail exchanger is a secondary exchanger. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> 1 — Secondary. 0 — Not secondary. 	0
local	<i>Boolean</i>	Whether the mail exchanger is a local exchanger. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> 1 — Local. 0 — Not local. 	0
detected	<i>string</i>	The mail exchanger type. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> auto local secondary remote 	auto
remote	<i>Boolean</i>	Whether the mail exchanger is a remote exchanger. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> 1 — Remote. 0 — Not remote. 	0

- Logaholic:: processtats
- ▼ Mime
- Mime:: list_hotlinks
- Mime:: listhandlers
- Mime:: listmime
- Mime:: listredirects
- Mime:: redirectname
- Mime:: redirecturlname
- ▼ MySQLFE
- MySQLFE:: authorizehost
- MySQLFE:: change_dbuserpassword
- MySQLFE:: createdb
- MySQLFE:: createdbuser
- MySQLFE:: dbuserexists
- MySQLFE:: deauthorizehost
- MySQLFE:: deletedb
- MySQLFE:: deletedbuser
- MySQLFE:: getalldbinfo
- MySQLFE:: getalldbusersanddbs
- MySQLFE:: getdbserverprivileges
- MySQLFE:: getdbusers
- MySQLFE:: gethosts
- MySQLFE:: getmysqlprivileges
- MySQLFE:: getmysqlserverprivileges
- MySQLFE:: has_my_cnf_for_cpuser
- MySQLFE:: listdbs
- MySQLFE:: listdbsbackup
- MySQLFE:: listhosts
- MySQLFE:: listusers
- MySQLFE:: listusersindb

isprimary	Boolean	Whether the mail exchanger is the primary mail exchanger. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> • 1 — Primary. • 0 — Not primary. 	0
changed	Boolean	Whether a change occurred during the function. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> • 1 — Change occurred. • 0 — No change. 	1
secondary	Boolean	Whether the mail exchanger is a secondary exchanger. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> • 1 — Secondary. • 0 — Not secondary. 	0
mxcheck	string	The mail exchanger type. The function returns this value in the checkmx hash.	<ul style="list-style-type: none"> • auto • local • secondary • remote 	auto
results	string	A message of success or a reason for failure.	<ul style="list-style-type: none"> • A message of success that includes the mail exchanger, domain, and server name. • A string that describes an error. 	▼ Click to view... Added entry: example.com.\tIN\tMX\t0\tnewmx.\n\nBind reloading on server1 using rndc zone: [example.com]\n
reason	string	A reason for failure. <div style="border: 1px solid black; 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.

MySQLFE:: revoked
buserprivileges

MySQLFE:: setdbu
serprivileges

MySQLFE:: userdbp
rivs

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

