

# cPanel API 2 Functions - AddonDomain::addaddondomain

Guide to cPanel API 2

Return Data

Filter and Sort Output

Paginate Output

Output Columns

Calls from the WHM API

cPanel Tags **(deprecated)**

## Description

This function creates an addon domain, its subdomain, its FTP account, and its DNS zone.

### Warning:

We **strongly** recommend that you use [UAPI](#) instead of cPanel API 2. However, no equivalent UAPI function exists.

### Important:

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

## Examples AddonDomain

### WHM API (JSON)

```
https://hostname.example.com:2087/cpsess#####/json-api/cpanel?cpanel_jsonapi_user=user&cpanel_jsonapi_api_version=2&cpanel_jsonapi_module=AddonDomain&cpanel_jsonapi_func=addaddondomain&dir=addondomain%2Fhome%2Fdir&newdomain=addondomain.com&subdomain=subdomain.example.com
```

### Note:

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

## Function information

## About this module

The `AddonDomain` module manages addon domains.

## About cPanel API 2

AddonDomain::addaddondomain

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

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.  
  
// Add the  
"addondomain.com"  
addon domain.  
$add_addon =  
$cpanel->api2(  
    'AddonDomain',  
    'addaddondomain',  
    array(  
        'dir'  
    )  
=>  
    'addondomain/home/dir'  
,  
    'newdomain'  
=>  
    'addondomain.com',  
    'subdomain'  
=> 'subdomain',  
    )  
);
```

#### Note:

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

cPanel API 2 accesses and modifies data for cPanel accounts.

#### Notes:

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Find  
a  
function

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- 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:: contactprefs
    - CustInfo:: displaycontactinfo
    - CustInfo:: savecontactinfo
  - DBmap:: status
    - DBmap:: version
  - DKIMUI:: available
    - DKIMUI:: getrecords
    - DKIMUI:: install
    - DKIMUI:: installed
    - DKIMUI:: uninstall
  - DenyIp:: listdenyps
  - 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.

# Add the
"addondomain.com"
addon domain.
my $add_addon =
$cpliveapi->api2(
  'AddonDomain',
  'addaddondomain',
  {
    'dir'
=>
'addondomain/home/dir'
,
    'newdomain'
=> 'addondomain.com',
    'subdomain'
=> 'subdomain',
  }
);

```

**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 - DomainLookup - This function lists parked domains (aliases), add new domains, and main domains.
- cPanel API 2 Functions - DomainLookup - This function retrieves a cPanel account's main domain.

### ▼ 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
AddonDomain
addaddondomain
dir=addondomain%2Fhome%2Fdir
newdomain=addondomain
.com
subdomain=subdomain
```

#### 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":
      "addaddondomain",
    "data": [
      ],
    "event": {
      "result": 1
    },
    "module":
      "AddonDomain"
  }
}
```

- cPanel API 2 Functions - DomainLookup::getdocroot - This function retrieves a domain's document root file paths.
- cPanel API 2 Functions - DomainLookup::getdocroots - This function retrieves all of the domains' document root file paths.

ration

Email: `get_archiving_types`

Email: `get_default_email_quota`

Email: `get_email_signing`

Email: `get_max_email_quota`

Email: `getabsbrowsedir`

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: `listpopswithdisk`

Email: `listpopswithimage`

Email: `loadfilter`

Email: `passwdpop`

Email: `reorderfilters`

**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
-----------	------	-------------	-----------------	---------

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

dir	string	<p>The path to the addon domain's home directory.</p> <p>If you do <b>not</b> specify a value, this parameter defaults to the user's document root.</p>	<p>A valid path relative to the cPanel user's home directory.</p> <div data-bbox="893 247 1029 659" style="border: 1px solid orange; padding: 5px;"> <p><b>Note</b> : In WHM API calls, replace the forward slash (/) with %2F.</p> </div> <div data-bbox="893 680 1029 1625" style="border: 1px solid orange; padding: 5px;"> <p><b>Note</b> : You <b>can not</b> use the following directories as a document root:</p> <p>▼  <a href="#">Click here to expand...</a></p> <ul style="list-style-type: none"> <li>• The account's home directory itself (/)</li> <li>• Directories outside of the account's home directory (</li> <li>• .cpanel</li> <li>• .trash</li> <li>• etc</li> <li>• mail</li> <li>• ssl</li> <li>• tmp</li> <li>• logs</li> <li>• .cphorde</li> <li>• .spamassassin</li> <li>• .htpasswd</li> <li>• var</li> <li>• cgi-bin</li> <li>• .ssh</li> <li>• perl5</li> </ul> </div>	addondomain/home/dir
newdomain	string	<p><b>Required</b></p> <p>The addon domain name.</p>	<p>A valid domain name that does <b>not</b> already exist.</p>	addondomain.com

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

subdomain	<i>string</i>	<b>Required</b> The addon domain's subdomain name.	A valid subdomain name that does <b>not</b> already exist. For example, for the subdomain.example.com subdomain, specify subdomain.  The cPanel user <b>must</b> own the subdomain's main domain. <b>For example, for the subdomain.example.com subdomain, the cPanel user must already own example.com.</b>	subdomain
-----------	---------------	---	--	-----------

## Returns

Return	Type	Description	Possible values	Example
reason	<i>string</i>	A message of success or a reason for failure.	<ul style="list-style-type: none"> <li>• addondomain.com was successfully parked on top of subdomain.example.com — This message indicates that the system successfully added the addon domain.</li> <li>• A string that describes the error.</li> </ul>	This is an error message.
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

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\_  
locale

Locale:: get\_user\_  
locale\_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:: 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

