

# UAPI Functions - SubDomain::addsubdomain

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## Description

This function creates a subdomain.

### 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

### WHM API (JSON)

```
https://hostname.example.com:2083/cpsess##  
#####/execute/SubD  
omain/addsubdomain?do  
main=subdomain&rootdo  
main=example.com&dir=  
%2Fpublic_html%2Fdire  
ctory_name&disallowdo  
t=1
```

### Note:

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

## Function information

## About this module

The Sub Domain module manages subdomains.

## About UAPI

UAPI accesses and modifies data for cPanel accounts.

- Branding:: image
- Branding:: include
- Branding:: spritelist
- CacheBuster
  - CacheBuster:: read
  - CacheBuster:: update
- Chkserverd
  - Chkserverd:: get\_exit\_ports
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- Chrome
  - Chrome:: get\_domain
- Contactus
  - Contactus:: is\_enabled
- cPAddons
  - cPAddons:: get\_available\_addons
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- cPGreyList
  - cPGreyList:: disable\_all\_domains
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  - cPGreyList:: enable\_domains
  - cPGreyList:: has\_greylisting\_enabled
  - cPGreyList:: list\_domains
- DAV
  - DAV:: disable\_shared\_global\_addressbook
  - DAV:: enable\_shared\_global\_addressbook
  - DAV:: get\_calendar\_contacts\_config
  - DAV:: has\_shared\_global\_addressbook
  - DAV:: is\_dav\_service\_enabled

## LiveAPI PHP Class

```

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

// Create a
subdomain.
$get_userdata =
$cpanel->uapi(
    'SubDomain',
    'addsubdomain',
    array(
        'domain'
=> 'subdomain',
        'rootdomain'
=> 'example.com',
        'dir'
=>
'/public_html/directo
ry_name',
        'disallowdot'
=> '1',
    )
);

```

### Note:

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

### Notes:

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Find  
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funct  
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DAV:: is\_horde\_enabled

#### ▼ DCV

DCV:: check\_domains\_via\_dns

DCV:: check\_domains\_via\_http

DCV:: ensure\_domains\_can\_pass\_dcv

#### ▼ DomainInfo

DomainInfo:: domains\_data

DomainInfo:: list\_domains

DomainInfo:: main\_domain\_builtin\_subdomain\_aliases

DomainInfo:: single\_domain\_data

#### ▼ DNS

DNS:: ensure\_domains\_reside\_only\_locally

DNS:: has\_local\_authority

#### ▼ DNSSEC

DNSSEC:: disable\_dnssec

DNSSEC:: enable\_dnssec

DNSSEC:: fetch\_dns\_records

DNSSEC:: set\_nsec3

DNSSEC:: unset\_nsec3

#### ▼ Email

Email:: account\_name

Email:: add\_auto\_responder

Email:: add\_domain\_forwarder

Email:: add\_forwarder

Email:: add\_list

Email:: add\_mailman\_delegates

Email:: add\_mx

Email:: add\_pop

Email:: add\_spam\_filter

#### ▼ LiveAPI Perl Module

```
my $cpliveapi =  
Cpanel::LiveAPI->new(  
); # Connect to  
cPanel - only do this  
once.  
  
# Create a subdomain.  
my $get_userdata =  
$cpliveapi->uapi(  
    'SubDomain',  
    'addsubdomain',  
    {  
        'domain'  
=> 'subdomain',  
        'rootdomain'  
=> 'example.com',  
        'dir'  
=>  
    '/public_html/directo  
ry_name',  
        'disallowdot'  
=> '1',  
    }  
);
```

#### **Note:**

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

- UAPI Functions - DomainInfo:main\_domain\_builtin\_subdomain\_aliases — This function returns the builtin subdomain aliases for an account's main domain.
- UAPI Modules - DomainInfo — The DomainInfo module accesses domain data.

Email: browse\_mailbox

Email: change\_mx

Email: check\_fastmail

Email: check\_pipe\_forwarder

Email: delete\_auto\_responder

Email: delete\_domain\_forwarder

Email: delete\_filter

Email: delete\_forwarder

Email: delete\_held\_messages

Email: delete\_list

Email: delete\_mx

Email: delete\_pop

Email: disable\_filter

Email: disable\_mailbox\_autocreate

Email: disable\_spam\_assassin

Email: disable\_spam\_autodelete

Email: disable\_spam\_box

Email: dispatch\_client\_settings

Email: edit\_pop\_quota

Email: enable\_filter

Email: enable\_mailbox\_autocreate

Email: enable\_spam\_assassin

Email: enable\_spam\_box

Email: fetch\_charmaps

Email: fts\_rescan\_mailbox

Email: generate\_mailman\_opt

Email: get\_auto\_responder

Email: get\_chase

## Command Line

```
uapi --user=username
SubDomain
addsubdomain
domain=subdomain
rootdomain=example.com
dir=%2Fpublic_html%2F
directory_name
disallowdot=1
```

### 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/bin/cpapi2
```

## Output (JSON)

```
{
  "errors":null,
  "messages":null,
  "status":1,
  "metadata":{
  },
  "data":null
}
```

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

- UAPI Modules - Sub Domain - The SubDomain module manages subdomains.
- UAPI Functions - Sub Domain::addsubdomain - This function creates a subdomain.

ts

Email:: get\_client\_settings

Email:: get\_default\_email\_quota

Email:: get\_default\_email\_quota\_mib

Email:: get\_disk\_usage

Email:: get\_filter

Email:: get\_held\_message\_count

Email:: get\_mailbox\_autocreate

Email:: get\_mailman\_delegates

Email:: get\_main\_account\_disk\_usage

Email:: get\_main\_account\_disk\_usage\_bytes

Email:: get\_max\_email\_quota

Email:: get\_max\_email\_quota\_mib

Email:: get\_pop\_quota

Email:: get\_spam\_settings

Email:: get\_webmail\_settings

Email:: has\_delegated\_mailman\_lists

Email:: has\_plaintext\_authentication

Email:: hold\_outgoing

Email:: is\_integer

Email:: list\_autoresponders

Email:: list\_default\_address

Email:: list\_domain\_forwarders

Email:: list\_filters

Email:: list\_filters\_backups

Email:: list\_forwarders

Email:: list\_forward

## Parameters

Parameter	Type	Description	Possible values	Example
domain	string	<b>Required</b> The subdomain name to create.	A valid subdomain name.	subdomain
rootdomain	string	<b>Required</b> The domain on which to create the new subdomain.	A domain that already exists on the cPanel account.	example.com
canoff	Boolean	Whether to create a wildcard subdomain.  This value defaults to 1.	<ul style="list-style-type: none"><li>1 — Create a wildcard subdomain.</li><li>0 — Create a normal subdomain.</li></ul>	1
dir	string	The subdomain's document root within the home directory.  This value defaults to the user's home directory /public_html/path.  <b>Note</b> :	A valid directory path, relative to the user's home directory.	/public_html/directory_name

ers\_backups  
 Email:: list\_lists  
 Email:: list\_mail\_domains  
 Email:: list\_mx  
 Email:: list\_pops  
 Email:: list\_pops\_with\_disk  
 Email:: list\_system\_filter\_info  
 Email:: passwd\_list  
 Email:: passwd\_pop  
 Email:: release\_outgoing  
 Email:: remove\_mailman\_delegates  
 Email:: reorder\_filters  
 Email:: set\_always\_accept  
 Email:: set\_default\_address  
 Email:: set\_list\_privacy\_options  
 Email:: stats\_db\_status  
 Email:: store\_filter  
 Email:: suspend\_incoming  
 Email:: suspend\_login  
 Email:: suspend\_outgoing  
 Email:: trace\_filter  
 Email:: unsuspend\_incoming  
 Email:: unsuspend\_login  
 Email:: unsuspend\_outgoing  
 Email:: verify\_password  
 EmailAuth  
 EmailAuth:: disable\_dkim  
 EmailAuth:: enable\_dkim  
 EmailAuth:: ensure\_dkim\_keys\_exist

If the Restrict document roots to public\_html value is set to Off in WHM's Track Settings interface (WHM >> Home >> Server Configuration >> Track Settings), this parameter defaults to the /usr/name/path. For example, the use name user's subdomain example would default to the /home/user/name/example path.

EmailAuth:: fetch\_dkim\_private\_keys

EmailAuth:: install\_dkim\_private\_keys

EmailAuth:: install\_spf\_records

EmailAuth:: validate\_current\_dkims

EmailAuth:: validate\_current\_ptrs

EmailAuth:: validate\_current\_spfs

disallowdot	<i>Boolean</i>	Whether to remove the dots (.) from the domain main value.  This value defaults to 0.	<ul style="list-style-type: none"> <li>1 — Remove dots from the domain.</li> <li>0 — Do not remove dots.</li> </ul>	1
-------------	----------------	---	---	---

## Returns

This function only returns metadata.

### ExternalAuthentication

ion

ExternalAuthentication:: add\_auth\_link

ExternalAuthentication:: configured\_modules

ExternalAuthentication:: get\_auth\_links

ExternalAuthentication:: has\_external\_auth\_modules\_configured

ExternalAuthentication:: remove\_authn\_link

### Features

Features:: has\_feature

Features:: list\_features

### Fileman

Fileman:: autocompletedir

Fileman:: empty\_trash

Fileman:: get\_file\_content

Fileman:: get\_file\_information

Fileman:: list\_files

Fileman:: save\_file\_content

Fileman:: transcode

Fileman:: upload\_files

### Ftp

Ftp:: add\_ftp

Ftp:: allows\_anonymous\_ftp

Ftp:: allows\_anonymous\_ftp\_incoming

Ftp:: delete\_ftp

Ftp:: ftp\_exists

Ftp:: get\_ftp\_daemon\_info

Ftp:: get\_port

Ftp:: get\_quota

Ftp:: get\_welcome\_message

Ftp:: kill\_session

Ftp:: list\_ftp

Ftp:: list\_ftp\_with\_disk

Ftp:: list\_sessions

Ftp:: passwd

Ftp:: server\_name

Ftp:: set\_anonymous\_ftp

Ftp:: set\_anonymous\_ftp\_incoming

Ftp:: set\_homedir

Ftp:: set\_quota

Ftp:: set\_welcome\_message

#### ▼ Integration

Integration:: fetch\_url

#### ▼ KnownHosts

KnownHosts:: create

KnownHosts:: delete

KnownHosts:: update

KnownHosts:: verify

#### ▼ LangPHP

LangPHP:: php\_get\_domain\_handler

LangPHP:: php\_get\_impacted\_domains

LangPHP:: php\_get\_installed\_versions

LangPHP:: php\_get



t\_system\_default\_  
version

LangPHP:: php\_ge  
t\_vhost\_versions

LangPHP:: php\_ini  
\_get\_user\_basic\_d  
irectives

LangPHP:: php\_ini  
\_get\_user\_content

LangPHP:: php\_ini  
\_get\_user\_paths

LangPHP:: php\_ini  
\_set\_user\_basic\_d  
irectives

LangPHP:: php\_ini  
\_set\_user\_content

LangPHP:: php\_se  
t\_vhost\_versions

▼ LastLogin

LastLogin:: get\_las  
t\_or\_current\_logge  
d\_in\_ip

▼ Locale

Locale:: get\_attri  
butes

▼ Mailboxes

Mailboxes:: expun  
ge\_mailbox\_mess  
ages

Mailboxes:: expun  
ge\_messages\_for  
\_mailbox\_guid

Mailboxes:: get\_m  
ailbox\_status

Mailboxes:: has\_ut  
f8\_mailbox\_names

Mailboxes:: set\_utf  
8\_mailbox\_names

▼ Market

Market:: cancel\_pe  
nding\_ssl\_certifica  
te

Market:: create\_sh  
opping\_cart

Market:: get\_all\_pr  
oducts

Market:: get\_certifi  
cate\_status\_detail  
s

Market:: get\_login  
\_url

Market:: get\_pendi  
ng\_ssl\_certificates

Market:: get\_provi

der\_specific\_dcv\_  
constraints

Market:: get\_provi  
ders\_list

Market:: get\_ssl\_c  
ertificate\_if\_availa  
ble

Market:: process\_s  
sl\_pending\_queue

Market:: request\_s  
sl\_certificates

Market:: set\_status  
\_of\_pending\_queu  
e\_items

Market:: set\_url\_af  
ter\_checkout

Market:: validate\_l  
ogin\_token

▼ Mime

Mime:: add\_handl  
er

Mime:: add\_hotlink

Mime:: add\_mime

Mime:: add\_redire  
ct

Mime:: delete\_han  
dler

Mime:: delete\_hotli  
nk

Mime:: delete\_mim  
e

Mime:: delete\_redi  
rect

Mime:: list\_handler  
s

Mime:: list\_hotlinks

Mime:: list\_mime

Mime:: list\_redirect  
s

Mime:: redirect\_inf  
o

▼ ModSecurity

ModSecurity:: disa  
ble\_all\_domains

ModSecurity:: disa  
ble\_domains

ModSecurity:: ena  
ble\_all\_domains

ModSecurity:: ena  
ble\_domains

ModSecurity:: has  
\_modsecurity\_inst

alled

ModSecurity:: list\_domains

▼ Mysql

Mysql:: add\_host

Mysql:: add\_host\_note

Mysql :: check\_database

Mysql:: create\_database

Mysql:: create\_user

Mysql:: delete\_database

Mysql:: delete\_host

Mysql:: delete\_user

Mysql:: get\_host\_notes

Mysql:: get\_privileges\_on\_database

Mysql:: get\_restrictions

Mysql:: get\_server\_information

Mysql:: locate\_server

Mysql:: rename\_database

Mysql:: rename\_user

Mysql:: repair\_database

Mysql:: revoke\_access\_to\_database

Mysql:: set\_password

Mysql:: set\_privileges\_on\_database

▼ Notifications

Notifications:: get\_notifications\_count

▼ NVData

NVData:: get

NVData:: set

▼ Parser

Parser:: firstfile\_relative\_uri

▼ PassengerApps

PassengerApps:: d  
isable\_application

PassengerApps:: e  
dit\_application

PassengerApps:: e  
nable\_application

PassengerApps:: li  
st\_applications

PassengerApps:: r  
egister\_application

PassengerApps:: u  
nregister\_applicati  
on

▼ PasswdStrength

PasswdStrength::  
get\_required\_stren  
gth

▼ Personalization

Personalization::se  
t

Personalization ::g  
et

▼ Postgresql

Postgresql:: create  
\_database

Postgresql:: create  
\_user

Postgresql:: delete  
\_database

Postgresql:: get\_re  
strictions

Postgresql:: grant\_  
all\_privileges

Postgresql:: renam  
e\_database

Postgresql:: renam  
e\_user

Postgresql:: renam  
e\_user\_no\_passw  
ord

Postgresql:: revok  
e\_all\_privileges

Postgresql:: set\_p  
assword

▼ Pushbullet

Pushbullet:: send\_  
test\_message

▼ Quota

Quota:: get\_quota  
\_info

▼ Resellers

Resellers:: list\_acc  
ounts

- ▼ ResourceUsage
  - ResourceUsage::  
get\_usages
- ▼ Restore
  - Restore:: directory\_listing
  - Restore:: get\_users
  - Restore:: query\_file\_info
  - Restore:: restore\_file
- ▼ Session
  - Session:: create\_temp\_user
- ▼ SiteTemplates
  - SiteTemplates:: list\_site\_templates
  - SiteTemplates:: list\_user\_settings
  - SiteTemplates:: publish
- ▼ SpamAssassin
  - SpamAssassin :: clear\_spam\_box
  - SpamAssassin:: get\_symbolic\_test\_names
  - SpamAssassin:: get\_user\_preferences
  - SpamAssassin:: update\_user\_preference
- ▼ SSH
  - SSH:: get\_port
- ▼ SSL
  - SSL:: add\_autossl\_excluded\_domains
  - SSL:: check\_shared\_cert
  - SSL:: delete\_cert
  - SSL:: delete\_csr
  - SSL:: delete\_key
  - SSL:: delete\_ssl
  - SSL :: disable\_mail\_sni
  - SSL:: enable\_mail\_sni
  - SSL:: fetch\_best\_for\_domain

SSL:: fetch\_cert\_in  
fo

SSL:: fetch\_certific  
ates\_for\_fqdns

SSL:: fetch\_key\_a  
nd\_cabundle\_for\_  
certificate

SSL:: find\_certifica  
tes\_for\_key

SSL:: find\_csrs\_for  
\_key

SSL:: generate\_ce  
rt

SSL:: generate\_cs  
r

SSL:: generate\_ke  
y

SSL:: get\_autoss\_  
excluded\_domains

SSL:: get\_autoss\_  
pending\_queue

SSL:: get\_autoss\_  
problems

SSL:: get\_cabundl  
e

SSL:: get\_cn\_nam  
e

SSL:: install\_ssl

SSL:: installed\_ho  
st

SSL:: installed\_ho  
sts

SSL:: is\_autoss\_  
check\_in\_progress

SSL:: is\_mail\_sni\_  
supported

SSL:: is\_sni\_supp  
orted

SSL:: list\_certs

SSL:: list\_csrs

SSL:: list\_keys

SSL:: list\_ssl\_item  
s

SSL:: mail\_sni\_sta  
tus

SSL:: rebuild\_mail  
\_sni\_config

SSL:: rebuildssldb

SSL:: remove\_aut  
oss\_excluded\_do  
mains

SSL:: set\_autossl\_excluded\_domains

SSL:: set\_cert\_friendly\_name

SSL:: set\_csr\_friendly\_name

SSL:: set\_key\_friendly\_name

SSL:: set\_primary\_ssl

SSL:: set\_ssl\_share

SSL:: show\_cert

SSL:: show\_csr

SSL:: show\_key

SSL:: start\_autossl\_check

SSL:: upload\_cert

SSL:: upload\_key

▼ StatsBar

StatsBar:: get\_stats

▼ Styles

Styles:: current

Styles:: list

Styles:: set\_default

Styles:: update

▼ SubDomain

SubDomain:: addsubdomain

▼ Themes

Themes:: get\_theme\_base

Themes:: list

Themes:: update

▼ TwoFactorAuth

TwoFactorAuth:: generate\_user\_configuration

TwoFactorAuth:: get\_user\_configuration

TwoFactorAuth:: remove\_user\_configuration

TwoFactorAuth:: set\_user\_configuration

▼ UserManager

UserManager:: check\_account\_conflict

ts

UserManager:: create\_user

UserManager:: delete\_user

UserManager:: dismiss\_user

UserManager:: edit\_user

UserManager:: list\_users

UserManager:: lookup\_service\_account

UserManager:: lookup\_user

UserManager:: merge\_service\_account

UserManager:: unlink\_service\_account

▼ UserTasks

UserTasks:: delete

UserTasks:: retrieve

▼ VersionControl

VersionControl:: create

VersionControl:: delete

VersionControl:: retrieve

VersionControl:: update

▼ VersionControlDeployment

VersionControlDeployment:: create

VersionControlDeployment:: delete

VersionControlDeployment:: retrieve

▼ WebDisk

WebDisk:: delete\_user

WebDisk:: set\_home\_dir

WebDisk:: set\_password

WebDisk:: set\_permissions

▼ WebmailApps



WebmailApps:: list  
webmailapps

▼ WebVhosts

WebVhost:: list\_do  
mains

WebVhost:: list\_ssl  
\_capable\_domains

▼ WordPressBackup

WordPressBackup  
:: any\_running

WordPressBackup  
:: cancel

WordPressBackup  
:: cleanup

WordPressBackup  
:: get\_available\_ba  
ckups

WordPressBackup  
:: is\_running

WordPressBackup  
:: start

▼ WordPressInstance

Manager

WordPressInstanc  
eManager:: cancel  
\_scan

WordPressInstanc  
eManager:: cleanu  
p\_scan

WordPressInstanc  
eManager:: chang  
e\_admin\_passwor  
d

WordPressInstanc  
eManager:: config  
ure\_autoupdate

WordPressInstanc  
eManager:: get\_ap  
i\_version

WordPressInstanc  
eManager:: get\_in  
stance\_by\_id

WordPressInstanc  
eManager:: get\_in  
stances

WordPressInstanc  
eManager:: get\_lat  
est\_wordpress\_ver  
sion\_from\_wordpr  
ess\_org

WordPressInstanc  
eManager:: get\_sc  
an\_results

WordPressInstanc  
eManager:: is\_inst  
allable\_addon\_ava  
ilable

WordPressInstanceManager:: **start\_scan**

▼ **WordPressRestore**

WordPressRestore  
:: **any\_running**

WordPressRestore  
:: **cleanup**

WordPressRestore  
:: **start**