

# UAPI Functions - TwoFactorAuth::set\_user\_configuration

## Guide to UAPI

- Return Data
- Filter Output
- Sort Output
- Paginate Output
- Output Columns
- Calls from the WHM API
- Custom UAPI Modules

Backup  
Backup::  
fullbacku

p\_to\_ftp

Backup:: fullbacku  
p\_to\_homedir

Backup:: fullbacku  
p\_to\_scp\_with\_key

Backup:: fullbacku  
p\_to\_scp\_with\_password

Backup:: list\_backups

### Bandwidth

Bandwidth:: get\_enabled\_protocols

Bandwidth:: get\_retention\_periods

Bandwidth:: query

### Batch

Batch:: strict

### Brand

Brand:: read

### Branding

Branding:: file

Branding:: get\_applications

Branding:: get\_application\_information

Branding:: get\_available\_applications

Branding:: get\_info

## Description

This function configures the two-factor authentication settings for an account.

## Examples

### ▼ cPanel or Webmail Session URL

```
https://hostname.example.com:2083/cpsess#####/execute/TwoFactorAuth/set_user_configuration?secret=JBSWY3DPEHPK3PXP&tfa_token=528112
```

#### Note:

This example calls the UAPI function via a cPanel session. For more information, read our [Guide to UAPI documentation](#).

## Function information

## About this module

The TwoFactorAuth module modifies cPanel's two-factor authentication settings.

## About UAPI

UAPI accesses and modifies data for cPanel accounts.

information\_for\_applications

Branding:: image

Branding:: include

Branding:: spritelist

▼ CacheBuster

CacheBuster:: read

CacheBuster:: update

▼ Chkserverd

Chkserverd:: get\_exim\_ports

Chkserverd:: get\_exim\_ports\_ssl

▼ Chrome

Chrome:: get\_domain

▼ Contactus

Contactus:: is\_enabled

▼ cPAddons

cPAddons:: get\_available\_addons

cPAddons:: get\_instance\_settings

cPAddons:: list\_addon\_instances

▼ cPGreyList

cPGreyList:: disable\_all\_domains

cPGreyList:: disable\_domains

cPGreyList:: enable\_all\_domains

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

▼ LiveAPI PHP Class

```
$cpanel = new  
CPANEL(); // Connect  
to cPanel - only do  
this once.  
  
// Set TwoFactorAuth  
user configuration.  
$sa_settings =  
$cpanel->uapi(  
    'TwoFactorAuth',  
    'set_user_configuration',  
    array(  
        'secret'  
    )  
=>  
    'JBSWY3DPEHPK3PXP',  
    'tfa_token'  
=> '528112',  
    )  
);
```

**Note:**

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

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function

DAV:: is\_dav\_service\_enabled

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

#### ▼ LiveAPI Perl Module

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

# Set TwoFactorAuth
user configuration.
my $sa_settings =
$cpliveapi->uapi(
    'TwoFactorAuth',
    'set_user_configuration',
    {
        'secret'
    }
=>
'JBSWY3DPEHPK3PXP',
    'tfa_token'
=> '528112',
    }
);
```

#### **Note:**

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

- UAPI Functions - TwoFactorAuth::get\_user\_configuration — This function retrieves the user's configuration settings for two-factor authentication.

- UAPI Functions - TwoFactorAuth::remove\_user\_configuration — This function removes the user from the two-factor authentication user data file.

Email: add\_spam\_filter  
Email: browse\_mailbox  
Email: change\_mx  
Email: check\_fastmail  
Email: check\_pipe\_forwarder  
Email: delete\_auto\_responder  
Email: delete\_dominant\_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\_otp  
Email: get\_auto\_r

## ▼ cPanel Template Toolkit

```
<!-- Set  
TwoFactorAuth user  
configuration. -->  
[% SET sa_settings =  
execute('TwoFactorAuth',  
'set_user_configuration'  
{  
    secret =>  
'JBSWY3DPEHPK3PXP',  
    tfa_token =>  
'528112'  
}] %]
```

### Note:

For more information, read our [Guide to Template Toolkit](#) documentation.

## ▼ Command Line

```
uapi --user=username  
TwoFactorAuth  
set_user_configuration  
secret=JBSWY3DPEHPK3PXP  
tfa_token=528112
```

### Notes:

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

```
/usr/local  
/cpanel/bin/  
uapi
```

- UAPI Functions - TwoFactorAuth::set\_user\_configuration — This function configures the two-factor authentication settings for an account.
- UAPI Modules - TwoFactorAuth — The TwoFactorAuth module modifies cPanel's two-factor authentication settings.

esponder

Email: get\_charts

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\_authorized\_responders

Email: list\_default\_address

Email: list\_domain\_forwarders

Email: list\_filters

Email: list\_filters\_backups

Email: list\_forward

### Output (JSON)

```

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

```

**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
secret	string	<b>Required</b> The 16-character string that UAPI's <code>TwoFactorAuth::generate_user_configuration</code> function generates.	A valid 16-character string.	JBSWY3DPEHPK3PXP
tfa_token	integer	<b>Required</b> The six-digit security code that the time-based one-time password (TOTP) authentication app generates.	A six-digit integer.	528112

## Returns

Return	Type	Description	Possible values	Example
tfa_configured	Boolean	Whether two-factor authentication is enabled.	<ul style="list-style-type: none"> <li>1 — Enabled.</li> <li>0 — Disabled.</li> </ul>	1

ers

Email:: list\_forward  
ers\_backups

Email:: list\_lists

Email:: list\_mail\_d  
omains

Email:: list\_mxs

Email:: list\_pops

Email:: list\_pops\_  
with\_disk

Email:: list\_system  
\_filter\_info

Email:: passwd\_list

Email:: passwd\_po  
p

Email:: release\_ou  
tgoing

Email:: remove\_m  
ailman\_delegates

Email:: reorder\_filt  
ers

Email:: set\_always  
\_accept

Email:: set\_default  
\_address

Email:: set\_list\_pri  
vacy\_options

Email:: stats\_db\_st  
atus

Email:: store\_filter

Email:: suspend\_in  
coming

Email:: suspend\_lo  
gin

Email:: suspend\_o  
utgoing

Email:: trace\_filter

Email:: unsuspend  
\_incoming

Email:: unsuspend  
\_login

Email:: unsuspend  
\_outgoing

Email:: verify\_pass  
word

▼ EmailAuth

EmailAuth:: disabl  
e\_dkim

EmailAuth:: enable  
\_dkim

EmailAuth:: ensure  
\_dkim\_keys\_exist

EmailAuth:: fetch\_  
dkim\_private\_keys

EmailAuth:: install  
\_dkim\_private\_key  
s

EmailAuth:: install  
\_spf\_records

EmailAuth:: validat  
e\_current\_dkims

EmailAuth:: validat  
e\_current\_ptrs

EmailAuth:: validat  
e\_current\_spfs

#### ExternalAuthenticat ion

ExternalAuthentic  
ation:: add\_authn\_li  
nk

ExternalAuthentic  
ation:: configured\_  
modules

ExternalAuthentic  
ation:: get\_authn\_lin  
ks

ExternalAuthentic  
ation:: has\_external  
\_auth\_modules\_co  
nfigured

ExternalAuthentic  
ation:: remove\_auth  
n\_link

#### Features

Features:: get\_feat  
ure\_metadata

Features:: has\_fea  
ture

Features:: list\_feat  
ures

#### Fileman

Fileman:: autocom  
pletedir

Fileman:: empty\_tr  
ash

Fileman:: get\_file\_  
content

Fileman:: get\_file\_i  
nformation

Fileman:: list\_files

Fileman:: save\_file  
\_content

Fileman:: transcod  
e

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\_system\_default\_version

LangPHP:: php\_get\_vhost\_versions

LangPHP:: php\_ini\_get\_user\_basic\_directives

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

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

LangPHP:: php\_ini\_set\_user\_basic\_directives

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

LangPHP:: php\_set\_vhost\_versions

#### ▼ LastLogin

LastLogin:: get\_last\_or\_current\_logged\_in\_ip

#### ▼ Locale

Locale:: get\_attributes

#### ▼ Mailboxes

Mailboxes:: expunge\_messages

Mailboxes:: expunge\_messages\_for\_mailbox\_guid

Mailboxes:: get\_mailbox\_status

Mailboxes:: has\_utf8\_mailbox\_names

Mailboxes:: set\_utf8\_mailbox\_names

#### ▼ Market

Market:: cancel\_pending\_ssl\_certificate

Market:: create\_shopping\_cart

Market:: get\_all\_products

Market:: get\_certificate\_status\_details

Market:: get\_login\_url

Market:: get\_pending\_ssl\_certificates

Market:: get\_provider\_specific\_dcv\_constraints

Market:: get\_providers\_list

Market:: get\_ssl\_certificate\_if\_available

Market:: process\_ssl\_pending\_queue

Market:: request\_ssl\_certificates

Market:: set\_status\_of\_pending\_queue\_items

Market:: set\_url\_after\_checkout

Market:: validate\_login\_token

#### ▼ Mime

Mime:: add\_handler

Mime:: add\_hotlink

Mime:: add\_mime

Mime:: add\_redirect

Mime:: delete\_handler

Mime:: delete\_hotlink

Mime:: delete\_mime

Mime:: delete\_redirect

Mime:: list\_handlers

Mime:: list\_hotlinks

Mime:: list\_mime

Mime:: list\_redirects

Mime:: redirect\_info

#### ▼ ModSecurity

ModSecurity:: disable\_all\_domains

ModSecurity:: disable\_domains

ModSecurity:: enable\_all\_domains

ModSecurity:: enable\_domains

ModSecurity:: has\_modsecurity\_installed

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\_relati  
ative\_uri

▼ PassengerApps

PassengerApps:: d  
isable\_application

PassengerApps:: e  
dit\_application

PassengerApps:: e  
nable\_application

PassengerApps:: e  
nsure\_deps

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\_accounts
- ▼ 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:: can\_ssl\_redirect
  - 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\_info

SSL:: fetch\_certificates\_for\_fqdns

SSL:: fetch\_key\_and\_cabundle\_for\_certificate

SSL:: find\_certificates\_for\_key

SSL:: find\_csrs\_for\_key

SSL:: generate\_certificate

SSL:: generate\_csr

SSL:: generate\_key

SSL:: get\_autossl\_excluded\_domains

SSL:: get\_autossl\_pending\_queue

SSL:: get\_autossl\_problems

SSL:: get\_cabundle

SSL:: get\_cn\_name

SSL:: install\_ssl

SSL:: installed\_host

SSL:: installed\_hosts

SSL:: is\_autossl\_check\_in\_progress

SSL:: is\_mail\_sni\_supported

SSL:: is\_sni\_supported

SSL:: list\_certs

SSL:: list\_csrs

SSL:: list\_keys

SSL:: list\_ssl\_items

SSL:: mail\_sni\_status

tus

SSL:: rebuild\_mail  
\_snl\_config

SSL:: rebuildssldb

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

SSL:: set\_autossl\_  
excluded\_domains

SSL:: set\_cert\_frie  
ndly\_name

SSL:: set\_csr\_frien  
dly\_name

SSL:: set\_key\_frie  
ndly\_name

SSL:: set\_primary  
\_ssl

SSL:: set\_ssl\_shar  
e

SSL:: show\_cert

SSL:: show\_csr

SSL:: show\_key

SSL:: start\_autossl\_  
\_check

SSL:: toggle\_ssl\_r  
edirects\_for\_doma  
ins

SSL:: upload\_cert

SSL:: upload\_key

▼ StatsBar

StatsBar:: get\_stat  
s

▼ Styles

Styles:: current

Styles:: list

Styles:: set\_default

Styles:: update

▼ SubDomain

SubDomain:: adds  
ubdomain

▼ Themes

Themes:: get\_the  
me\_base

Themes:: list

Themes:: update

▼ Tokens

Tokens:: create\_fu  
ll\_access

Tokens:: list

Tokens:: rename

Tokens:: revoke

▼ TwoFactorAuth

TwoFactorAuth:: generate\_user\_configuration

TwoFactorAuth:: get\_user\_configuration

TwoFactorAuth:: remove\_user\_configuration

TwoFactorAuth:: set\_user\_configuration

▼ UserManager

UserManager:: check\_account\_conflicts

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

▼ VersionControlDepl



## oyment

VersionControlDep  
loyment:: **create**

VersionControlDep  
loyment:: **delete**

VersionControlDep  
loyment:: **retrieve**

### ▼ WebDisk

WebDisk:: **delete\_**  
**user**

WebDisk:: **set\_ho**  
**medir**

WebDisk:: **set\_pas**  
**sword**

WebDisk:: **set\_per**  
**missions**

### ▼ 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

WordPressInstanceManager:: **get\_instance\_by\_id**

WordPressInstanceManager:: **get\_instances**

WordPressInstanceManager:: **get\_latest\_wordpress\_version\_from\_wordpress\_org**

WordPressInstanceManager:: **get\_scan\_results**

WordPressInstanceManager:: **is\_installable\_addon\_available**

WordPressInstanceManager:: **start\_scan**

▼ WordPressRestore

WordPressRestore:: **any\_running**

WordPressRestore:: **cleanup**

WordPressRestore:: **start**