

cPanel API 2 Functions - Email::setdefaultaddress

Guide to cPanel API 2

Return Data

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cPanel Tags (deprecated)

AddonDomain:: adddondomain

omain

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Bandwidth

Bandwidth:: addhttpbandwidth

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Branding:: addbrandingobj

Branding:: applist

Branding:: brandingeditor

Branding:: createpkg

Branding:: cssmerge

Branding:: delbrandingobj

Branding:: delpkg

Branding:: gensprites

Description

This function configures the cPanel account's default address's rules for unroutable mail. The cPanel account's default (catchall) address handles unroutable mail that the account's domains receive.

Warning:

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

- `Email::set_default_address` — This function configures a default (catchall) email address.

Important:

In cPanel & WHM version 76 and later, when you disable the `MailReceive` 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_api_version=2&cpanel_jsonapi_module=Email&cpanel_jsonapi_func=setdefaultaddress&domain="example.com"&fwd_opt="fwd"&fwdemail="catchall@example.com"
```

Note:

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

LiveAPI PHP Class

```
$cpanel = new CPANEL(); // Connect to cPanel - only do this once.  
  
// Forward example.com's unroutable mail to catchall@example.com
```

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:: resolve_file

Branding:: resolvelocalcss

Branding:: savelocalcss

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

```
$default_address_rule  
s = $cpanel->api2(  
    'Email',  
    'setdefaultaddress',  
    array(  
        'domain'  
=> 'example.com',  
        'fwdopt'  
=> 'fwd',  
        'fwdemail'  
=>  
    'catchall@example.com'  
    ,  
    )  
);
```

```
// Bounce  
example.com's  
unroutable mail with  
a failure message.  
$default_address_rule  
s = $cpanel->api2(  
    'Email',  
    'setdefaultaddress',  
    array(  
        'domain'  
=> 'example.com',  
        'fwdopt'  
=> 'fail',  
        'failmsgs'  
=> 'Nobody's home.',  
    )  
);
```

```
// Delete  
example.com's  
unroutable mail.  
$default_address_rule  
s = $cpanel->api2(  
    'Email',  
    'setdefaultaddress',  
    array(  
        'domain'  
=> 'example.com',  
        'fwdopt'  
=> 'blackhole',  
    )  
);
```

```
// Pipe example.com's  
unroutable mail to
```

About cPanel API 2

cPanel API 2 accesses and modifies data for cPanel accounts.

Notes:

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)'.
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)

Find a function

- ▼ Contactus
 - Contactus:: isenab led
 - Contactus:: sendc ontact
 - ▼ Cron
 - Cron:: add_line
 - Cron:: edit_line
 - Cron:: fetchcron
 - Cron:: get_email
 - Cron:: listcron
 - Cron:: remove_line
 - Cron:: set_email
 - ▼ CustInfo
 - CustInfo:: contacte mails
 - CustInfo:: contactp refs
 - CustInfo:: displayc ontactinfo
 - CustInfo:: savecon tactinfo
 - ▼ DBmap
 - DBmap:: status
 - DBmap:: version
 - ▼ DKIMUI
 - DKIMUI:: available
 - DKIMUI:: getrecor ds
 - DKIMUI:: install
 - DKIMUI:: installed
 - DKIMUI:: uninstall
 - ▼ Denylp
 - Denylp:: listdenyip s
 - ▼ DiskCounter
 - DiskCounter:: disk _counter
 - ▼ DiskUsage
 - DiskUsage:: buildc ache
 - DiskUsage:: clearc ache
 - DiskUsage:: fetch_ raw_disk_usage
 - DiskUsage:: fetchd iskusage
 - DiskUsage:: fetchd iskusagewithextras

```

the mailscript.pl
script.
$default_address_rule
s = $cpanel->api2(
    'Email',
    'setdefaultaddress',
    array(
        'domain'
=> 'example.com',
        'fwdopt'
=> 'pipe',
        'fwdemail'

```

- cPan el API 2 Func tions - Em ail::edit quot a — This functi on modi fies an email acco unt's disk quot a.
- cPan el API 2 Func tions - Em ail::pas swdp op — This functi on modi fies an email acco unt's pass word .

- DomainLookup:: name2ip
 - DomainLookup:: countbaseddomains
 - DomainLookup:: getbaseddomains
 - DomainLookup:: getdocroot
 - DomainLookup:: getdocroots
 - DomainLookup:: getmaindomain
- Email:: accountname
 - Email:: adddomainforward
 - Email:: addforward
 - Email:: addmx
 - Email:: addpop
 - Email:: browseboxes
 - Email:: changemx
 - Email:: checkmaindiscard
 - Email:: clearpopcache
 - Email:: deletefilter
 - Email:: delforward
 - Email:: delmx
 - Email:: delpop
 - Email:: disablefilter
 - Email:: editquota
 - Email:: enablefilter
 - Email:: fetchautoreponder
 - Email:: fetchcharmaps
 - Email:: filteractions
 - Email:: filterlist
 - Email:: filtername
 - Email:: filterrules
 - Email:: get_archiving_configuration
 - Email:: get_archiving_default_configu

```
=> 'mailscript.pl',
    )
};
```

Note:

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

LiveAPI Perl Module

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

# Forward
example.com's
unroutable mail to
catchall@example.com
my
$default_address_rule
s = $cpliveapi->api2(
    'Email',
    'setdefaultaddress',
    {
        'domain'
=> 'example.com',
        'fwdopt'
=> 'fwd',
        'fwdemail'
=>
'catchall@example.com
',
    }
);

# Bounce
example.com's
unroutable mail with
a failure message.
my
$default_address_rule
s = $cpliveapi->api2(
    'Email',
    'setdefaultaddress',
    {
        'domain'
```

- cPanel API 2 Functions - Email::listdefaultaddresses
 - This function retrieves the domain's default address and its rules.
 - 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: listpopswithdisk
Email: listpopswithimage
Email: loadfilter
Email: passwdpop
Email: reorderfilters

```
=> 'example.com',  
    'fwdopt'  
=> 'fail',  
    'failmsgs'  
=> 'Nobody's home.',  
    }  
);  
  
# Delete  
example.com's  
unroutable mail.  
my  
$default_address_rule  
s = $cpliveapi->api2(  
    'Email',  
    'setdefaultaddress',  
    {  
        'domain'  
=> 'example.com',  
        'fwdopt'  
=> 'blackhole',  
    }  
);  
  
# Pipe example.com's  
unroutable mail to  
the mailscript.pl  
script.  
my  
$default_address_rule  
s = $cpliveapi->api2(  
    'Email',  
    'setdefaultaddress',  
    {  
        'domain'  
=> 'example.com',  
        'fwdopt'  
=> 'pipe',  
        'fwdemail'
```

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

```
=> 'mailscript.pl',  
    }  
);
```

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.

- 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:: 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:: getarchname
 - LangMods:: getkey

▼ Command Line

```
cpapi2
--user=username Email
setdefaultaddress
domain=example.com
fwdopt=pipe
fwdemail=mailscript.pl
```

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
```

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_
ocale

Locale:: get_user_
ocale_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

▼ Output (JSON)

```
{
  "cpanelresult": {
    "apiversion": 2,
    "func":
    "setdefaultaddress",
    "data": [
      {
        "domain":
        "example.com",
        "dest":
        "catchall@example.com"
      }
    ],
    "event": {
      "result": 1
    },
    "module": "Email"
  }
}
```

Note:

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

Parameters

Note:

Make certain that you **only** pass necessary parameters to this function. The function adds all parameters to the default address's rules regardless of the `fwdopt` setting.

Parameter	Type	Description	Possible values	Example
domain	<i>string</i>	Required The domain.	A valid domain on the cPanel account.	example.com

Logaholic:: proces
sstats

▼ Mime

Mime:: list_hotlinks

Mime:: listhandlers

Mime:: listmime

Mime:: listredirects

Mime:: redirectname

Mime:: redirecturlname

▼ MysqlFE

MysqlFE:: authorizehost

MysqlFE:: changedbuserpassword

MysqlFE:: createdb

MysqlFE:: createdbuser

MysqlFE:: dbuserexists

MysqlFE:: deauthorizehost

MysqlFE:: deletedb

MysqlFE:: deletedbuser

MysqlFE:: getalldbinfo

MysqlFE:: getalldbusersanddbs

MysqlFE:: getdbuserprivileges

MysqlFE:: getdbusers

MysqlFE:: gethosts

MysqlFE:: getmysqlprivileges

MysqlFE:: getmysqlserverprivileges

MysqlFE:: has_my.cnf_for_cpuser

MysqlFE:: listdbs

MysqlFE:: listdbsbackup

MysqlFE:: listhosts

MysqlFE:: listusers

MysqlFE:: listusersindb

fwdopt	string	<p>Required</p> <p>The method to use to handle unroutable mail.</p>	<ul style="list-style-type: none"> • fwd — Forward unroutable messages to the fwd email parameter's address. • fail — Bounce unroutable messages back to the sender, and include the failmsgs parameter's failure message. • blackhole — Send unroutable messages to the /dev/null/ directory. This method does not generate a failure notice. • pipe — Pipe unroutable mail to the pipefwd parameter's application. 	fwd
--------	--------	--	---	-----

- MysqlFE:: revoked
buserprivileges
- MysqlFE:: setdbuserprivileges
- MysqlFE:: userdbprivs
- MySQLOptimizer
 - MySQLOptimizer:: fetch_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:: getalloptions
 - PHPINI:: getoptions
- Park
 - Park:: listaddondomains
 - Park:: listparkeddomains
 - Park:: park
 - Park:: unpark
- Passwd
 - Passwd:: change_password
 - Passwd:: set_digest_auth
- PasswdStrength
 - PasswdStrength:: appstrengths
 - PasswdStrength:: get_password_strength
 - PasswdStrength:: get_required_strength
- Postgres
 - Postgres:: listdbs
 - Postgres:: listusers

<p>fwdemail</p>	<p>string</p>	<p>The email address to which the system forwards unroutable email.</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note : Use this parameter if you used the forward method for the forward parameter.</p> </div>	<p>A valid email address.</p>	<p>catchall@example.com</p>
<p>failmsgs</p>	<p>string</p>	<p>The failure message to send to the sender of unroutable mail.</p> <p>This parameter defaults to No such person at this address.</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note : Use this parameter if you used the fail method for the forward parameter.</p> </div>	<p>A valid string.</p>	<p>Nobody's home.</p>

- Postgres:: listusers
indb
- Postgres:: userexists
- ▼ Rand
 - Rand:: getranddata
- ▼ Resellers
 - Resellers:: get_sub_accounts
- ▼ RoR
 - RoR:: addapp
 - RoR:: changeapp
 - RoR:: importtrails
 - RoR:: listapps
 - RoR:: listrewrites
 - RoR:: needsimport
 - RoR:: removeapp
 - RoR:: removerewrite
 - RoR:: restartapp
 - RoR:: setuprewrite
 - RoR:: softrestartapp
 - RoR:: startapp
 - RoR:: stopapp
- ▼ SetLang
 - SetLang:: setlocale
- ▼ SourceIPCheck
 - SourceIPCheck:: addip
 - SourceIPCheck:: deleteip
 - SourceIPCheck:: getaccount
 - SourceIPCheck:: listips
 - SourceIPCheck:: loadsecquestions
 - SourceIPCheck:: resetsecquestions
 - SourceIPCheck:: samplequestions
 - SourceIPCheck:: savesecquestions
- ▼ SPFUI
 - SPFUI:: available
 - SPFUI:: count_settings

	<code>pipefwd</code>	<i>string</i>	The application to which the system pipes unroutable mail.	The location of a program or script, relative to the account's home directory.	<code>mailscript.pl</code>
			<p style="text-align: center;">Note</p> <p style="text-align: center;">: Use this parameter if you used the pipe method for the fwdopp parameter.</p>		

Returns

Return	Type	Description	Possible values	Example
<code>domain</code>	<i>string</i>	The domain.	A valid domain on the account.	<code>example.com</code>

- SPFUI:: entries_complete
- SPFUI:: get_raw_record
- SPFUI:: getmainserverip
- SPFUI:: install
- SPFUI:: installed
- SPFUI:: list_settings
- SPFUI:: load_current_values
- SPFUI:: uninstall
- SSH: authkey
 - SSH: converttopk
 - SSH: delkey
 - SSH: fetchkey
 - SSH: genkey
 - SSH: genkey_legacy
 - SSH: importkey
 - SSH: listkeys
- SSL: fetchcertificate
 - SSL: fetchinfo
 - SSL: genctr
 - SSL: gencsr
 - SSL: genkey
 - SSL: getcname
 - SSL: installssl
 - SSL: listctrls
 - SSL: listcsrs
 - SSL: listkeys
 - SSL: listsslitems
 - SSL: uploadctr
 - SSL: uploadkey
- SSLInfo: fetchinfo
- StatCache: clearcache
- Stats: getmonthly

dest	string	The method that the system will use to handle unroutable mail.	<ul style="list-style-type: none"> • An email address — The system forwards mail to this address. • A failure message (string) — The system bounces mail back to the sender, and sends a failure message. • blackhole — The system deletes mail without a failure message. • The path to an application — The system pipes mail to this application. 	
reason	string	A reason for failure.	A string that describes the error.	This is an error message.
result	Boolean	Whether the function succeeded.	<ul style="list-style-type: none"> • 1 — The function succeeded. • 0 — The function failed. 	1

Note
: This function only returns a reason value if it failed.

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

