

UAPI Functions - Email::change_mx

Guide to UAPI

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Description

This function modifies a Mail Exchanger (MX) record. For more information about MX record settings, read our [Edit MX Entry](#) documentation.

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

▼ cPanel or Webmail Session URL

```
https://hostname.example.com:2083/cpsess#####/execute/Email/change_mx?domain=example.com&exchanger=mail.example.com&oldexchanger=mail.example.com&priority=15&oldpriority=5&alwaysaccept=local
```

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 Email module modifies cPanel email account settings.

About UAPI

- Branding:: image
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- CacheBuster
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- Contactus
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 - cPAddons:: get_available_addons
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- cPGreyList
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- 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.

// Update the
mail.example.com MX
record.
$update_mx =
$cpanel->uapi(
    'Email',
    'change_mx',
    array(
        'domain'
=> 'example.com',
        'exchanger'
=>
'mail.example.com',
'oldexchanger' =>
'mail.example.com',
        'priority'
=> '15',
        'oldpriority'
=> '5',
'alwaysaccept' =>
'local',
    )
);

```

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

UAPI accesses and modifies data for cPanel accounts.

Notes:

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Find a function

The Email module modifies cPanel email account settings.

- 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
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- DNS
 - DNS:: ensure_domains_reside_only_locally
 - DNS:: has_local_authority
- DNSSEC
 - DNSSEC:: disable_dnssec
 - DNSSEC:: enable_dnssec
 - DNSSEC:: fetch_dns_records
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- 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.

# Update the
mail.example.com MX
record.
my $update_mx =
$cpliveapi->uapi(
  'Email',
  'change_mx',
  {
    'domain'
=> 'example.com',
    'exchanger'
=>
'mail.example.com',

'oldexchanger' =>
'mail.example.com',
    'priority'
=> '15',
    'oldpriority'
=> '5',

'alwaysaccept' =>
'local',
  }
);

```

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

- UAPI Functions - Email::account_name
 - This function returns an email account's username or address.
- UAPI Functions - Email::add_auto_responder
 - This function creates an auto responder for an email account.

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

▼ cPanel Template Toolkit

```
<!-- Update the mail.example.com MX record, then display the changed value. -->
[% data = execute(
  'Email', 'change_mx',
  { 'domain' =>
    'example.com',
    'exchanger' =>
    'mail.example.com',
    'oldexchanger' =>
    'mail.example.com',
    'priority' => '15',
    'oldpriority' => '5',
    'alwaysaccept' =>
    'local', } ); %]
[% FOREACH q =
  data.checkmx.changed
  %]
  <p>
    [% q %]
  </p>
[% END %]

<!-- Get only the changed value. -->
[% execute('Email',
  'change_mx', {
  'domain' =>
  'example.com',
  'exchanger' =>
  'mail.example.com',
  'oldexchanger' =>
  'mail.example.com',
  'priority' => '15',
  'oldpriority' => '5',
  'alwaysaccept' =>
  'local', }
  ).data.checkmx.changed
  %]
```

Note:

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

- UAPI Functions - Email::add_domain_forwarder — This function creates a domain-level forwarder.
- UAPI Functions - Email::add_forwarder — This function creates an email forwarder.

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`

Command Line

```
uapi --user=username
Email change_mx
domain=example.com
exchanger=mail.example.com
oldexchanger=mail.example.com
priority=15
oldpriority=5
alwaysaccept=local
```

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
```

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

▼ Output (JSON)

```
{
  "messages":null,
  "errors":null,
  "status":1,
  "metadata":{
  },
  "data":{
    "statusmsg":"Replacing
existing entry on
line matched old
entry and old
priority: 51:\nBind
reloading on example
using rndc zone:
[example.com]\n",
    "checkmx":{
      "warnings":[
      ],
      "issecondary":0,
      "local":1,
      "remote":0,
      "detected":"local",
      "isprimary":1,
      "changed":1,
      "mxcheck":"local",
      "secondary":0
    },
    "status":1,
    "results":"Replacing
existing entry on
line matched old
entry and old
priority: 51:\nBind
reloading on example
using rndc zone:
[example.com]\n"
  }
}
```

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

ExternalAuthentication

ExternalAuthentication:: add_auth_links

ExternalAuthentication:: configured_modules

ExternalAuthentication:: get_auth_links

ExternalAuthentication:: has_external_auth_modules_configured

ExternalAuthentication:: remove_authn_link

Features

Features:: get_feature_metadata

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:: transcoding

Fileman:: upload_files

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
domain	string	Required The mail exchanger's domain.	A valid domain on the account.	example.com
exchanger	string	Required The mail exchanger's name.	A valid mail exchanger name.	mail.example.com
oldexchanger	string	Required The mail exchanger's current name.	The name of an existing mail exchanger.	mail.example.com
priority	integer	Required The mail exchanger's new priority value.	A positive integer. Note : Common practice sets a priority value divisible by five.	15
oldpriority	integer	The mail exchanger's current priority value. If multiple MX entries match the oldexchanger value, the system uses this parameter to find the correct entry.	The existing mail exchanger's current priority value.	5
alwaysaccept	string	Whether the mail exchanger accepts all mail for the domain.	<ul style="list-style-type: none">• auto• local• secondary• remote	1

▼ 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_version

Returns

Return	Type	Description	Possible values	Example
statusmsg	<i>string</i>	A message of success, or an error message.	<ul style="list-style-type: none"> • A message of success that begins with Added entry: • An error message. 	<p>▼ Click to view...</p> <p>Replacing existing entry on line matched old entry and old priority : 51:\nBind reloading on example using rndc zone: [example.com]</p>
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>array</i>	Warning messages, if any exist. The function returns this value in the checkmx hash.	One or more warning messages.	<p>▼ Click to view...</p> <p>Auto Detect of MX configuration not possible due to non-resolving MX entries. Defaulting to last known setting: local.</p>
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

S

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_mailbox_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](#)

local	<i>Boolean</i>	Whether the mail exchanger is a local exchanger. The function returns this value in the checksum 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 checksum 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 checksum hash.	<ul style="list-style-type: none"> 1 — Remote. 0 — Not remote. 	0
isprimary	<i>Boolean</i>	Whether the mail exchanger is the primary mail exchanger. The function returns this value in the checksum hash.	<ul style="list-style-type: none"> 1 — Primary. 0 — Not primary. 	0
changed	<i>Boolean</i>	Whether a change occurred during the function. The function returns this value in the checksum hash.	<ul style="list-style-type: none"> 1 — Change occurred. 0 — No change. 	1
secondary	<i>Boolean</i>	Whether the mail exchanger is a secondary exchanger. The function returns this value in the checksum hash.	<ul style="list-style-type: none"> 1 — Secondary. 0 — Not secondary. 	0
mxcheck	<i>string</i>	The mail exchanger type. The function returns this value in the checksum hash.	<ul style="list-style-type: none"> auto local secondary remote 	auto
status	<i>Boolean</i>	Whether the function succeeded.	<ul style="list-style-type: none"> 1 — Success. 0 — Failure. 	1

results	string	A message of success, or an error message.	<ul style="list-style-type: none"> • A message of success that begins with Added entry: • An error message. 	Click to view... Replacing existing entry on line matched old entry and old priority : 51:\nBind reloading on example using rndc zone: [example.com]
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▼ 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_inst
alled

ModSecurity:: list_
domains

▼ Mysql

Mysql:: add_host

Mysql:: add_host_
note

Mysql :: check_dat
abase

Mysql:: create_dat
abase

Mysql:: create_use
r

Mysql:: delete_dat
abase

Mysql:: delete_hos
t

Mysql:: delete_use
r

Mysql:: get_host_n
otes

Mysql:: get_privile
ges_on_database

Mysql:: get_restrict
ions

Mysql:: get_server
_information

Mysql:: locate_ser
ver

Mysql:: rename_d
atabase

Mysql:: rename_us
er

Mysql:: repair_dat
abase

Mysql:: revoke_ac
cess_to_database

Mysql:: set_passw
ord

Mysql:: set_privile
ges_on_database

▼ Notifications

Notifications:: get_
notifications_count

▼ NVData

NVData:: get

NVData:: set

▼ Parser

Parser:: firstfile_rel
ative_uri

- ▼ PassengerApps
 - PassengerApps:: disable_application
 - PassengerApps:: edit_application
 - PassengerApps:: enable_application
 - PassengerApps:: ensure_deps
 - PassengerApps:: list_applications
 - PassengerApps:: register_application
 - PassengerApps:: unregister_application
- ▼ PasswdStrength
 - PasswdStrength:: get_required_strength
- ▼ Personalization
 - Personalization::set
 - Personalization::get
- ▼ Postgresql
 - Postgresql:: create_database
 - Postgresql:: create_user
 - Postgresql:: delete_database
 - Postgresql:: get_restrictions
 - Postgresql:: grant_all_privileges
 - Postgresql:: rename_database
 - Postgresql:: rename_user
 - Postgresql:: rename_user_no_password
 - Postgresql:: revoke_all_privileges
 - Postgresql:: set_password
- ▼ 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_f
or_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_autossl_
excluded_domains

SSL:: get_autossl_
pending_queue

SSL:: get_autossl_
problems

SSL:: get_cabundl
e

SSL:: get_cn_nam
e

SSL:: install_ssl

SSL:: installed_ho
st

SSL:: installed_ho
sts

SSL:: is_autossl_c
heck_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
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

▼ VersionControlDeployment

VersionControlDeployment:: create

VersionControlDeployment:: delete

VersionControlDeployment:: retrieve

▼ WebDisk

WebDisk:: delete_user

WebDisk:: set_homedir

WebDisk:: set_password

WebDisk:: set_permissions

▼ WebmailApps

WebmailApps:: list_webmailapps

▼ WebVhosts

WebVhost:: list_domains

WebVhost:: list_ssl_capable_domains

▼ WordPressBackup

WordPressBackup:: any_running

WordPressBackup:: cancel

WordPressBackup:: cleanup

WordPressBackup:: get_available_backups

WordPressBackup:: is_running

WordPressBackup:: start

▼ WordPressInstance

Manager

WordPressInstanceManager:: cancel_scan

WordPressInstanceManager:: cleanup_scan

WordPressInstanceManager:: change_admin_password

WordPressInstanceManager:: configure_autoupdate

WordPressInstanceManager:: get_api_version

WordPressInstanceManager:: get_in

stance_by_id

WordPressInstanceManager::get_instances

WordPressInstanceManager::get_latest_wordpress_version_from_wordpress_org

WordPressInstanceManager::get_scan_results

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WordPressInstanceManager::start_scan

▼ WordPressRestore

WordPressRestore::any_running

WordPressRestore::cleanup

WordPressRestore::start