

UAPI Functions - EmailAuth::get_mail_helo_ip

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Description

This function retrieves the HELO domain and IP address that the server uses when it sends a domain's mail. It retrieves this information in the `/etc/mailhelo` and `/etc/mailips` files. If the system **cannot** locate a HELO domain, this function returns the system's hostname. For more information, read our [How to Configure the Exim Outgoing IP Address](#) documentation.

Important:

When you disable the `MailSend` 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/EmailAuth/get_mail_helo_ip?domain=example.com&domain=anotherexample.com
```

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 `EmailAuth` module manages email authentication to ensure email deliverability.

About UAPI

- 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
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- cPGreyList
 - cPGreyList:: disable_all_domains
 - cPGreyList:: disable_domains
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- DAV
 - DAV:: disable_shared_global_addressbook
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 - 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.

// Fetch the HELO
name and IP address
this server uses when
it sends mail for the
given domain.
$poll =
$cpanel->uapi(
    'EmailAuth',
    'get_mail_helo_ip',
    array(
        'domain' =>
        'example.com',
        'domain' =>
        'anotherexample.com'
    )
);

```

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

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DCV module checks Domain Control Validation (DCV).

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.
```

```
# Fetch the HELO name  
and IP address this  
server uses when it  
sends mail for the  
given domain.
```

```
my $poll =  
$cpliveapi->uapi(  
  'EmailAuth',  
  'get_mail_helo_ip',  
  {  
    'domain' =>  
    'example.com',  
    'domain' =>  
    'anotherexample.com'  
  }  
);
```

Note:

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

- UAPI Functions - DCV::check_domains_via_http - This function checks whether the account's domains can pass Domain Control Validation (DCV) via an HTTP request.

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_otp
Email: get_auto_responder
Email: get_chase

▼ cPanel Template Toolkit

```
<!-- Fetch the HELO name and IP address this server uses when it sends mail for the given domain. -->[% execute('EmailAuth', 'get_mail_helo_ip', {'domain' => 'example.com', 'domain' => 'anotherexample.com'} ) %]
```

Note:

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

▼ Command Line

```
uapi --user=username  
EmailAuth  
get_mail_helo_ip  
domain=example.com  
domain=anotherexample.com
```

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 - DCV: ensure_domains_can_pass_dcw — This function indicates whether the account's domains can pass a Domain Control Validation (DCV) check.
- UAPI Modules - DNS — The DNS module checks DNS resolution issues.

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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

Output (JSON)

```
{
  "apiversion": 3,
  "module":
  "EmailAuth",
  "func":
  "get_mail_helo_ip",
  "result": {
    "data": [
      {
        "domain":
        "example.com",
        "helo":
        "example.com",

        "public_ip":
        "10.0.0.1"
      },
      {
        "domain":
        "anotherexample.com",
        "helo":
        "hostname.example.com",
        "public_ip":
        "10.0.0.1"
      }
    ],
    "errors": null,
    "messages": null,
    "metadata": {
      "transformed":
      1
    },
    "status": 1,
    "warnings": null
  }
}
```

Note:

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

- UAPI Functions - DNS: ensure_domains_reside_localhostly - This function indicates whether the account's domains resolve exclusively to this server.

Parameters

[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](#)

Parameter	Type	Description	Possible values	Example
domain	string	<p>Required</p> <p>The domain for which to retrieve the source IP address and the HELO domain information.</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note : To query multiple domains, duplicate the parameter name. For example, use the domain=example.com, domain=example.com, and domain=example.com parameters.</p> </div>	A valid domain.	example.com

Returns

Return	Type	Description	Possible values	Example
data	array of hashes	An array that contains information about a domain's HELO information.	Each hash contains the domain, helo, and public_ip returns.	

✓ [EmailAuth](#)
[EmailAuth::disable_dkim](#)
[EmailAuth::enable_dkim](#)
[EmailAuth::ensure_dkim_keys_exist](#)

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_link

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:: transcode

Fileman:: upload_files

domain	string	The queried domain. This function returns this value in the data array.	A valid domain.	example.com
helo	string	The hostname that the domain uses to identify itself to remote SMTP servers. This function returns this value in the data array.	A valid hostname.	example.com
public_ip	string	The IP address that the domain sends mail from. This function returns this value in the data array.	A valid string.	10.0.0.1

▼ 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

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

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_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

WordPressInstanceManager::is_installable_addon_available

WordPressInstanceManager::start_scan

▼ WordPressRestore

WordPressRestore::any_running

WordPressRestore::cleanup

WordPressRestore::start