

UAPI Functions - DCV::check_domains_via_dns

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Branding:: get_available_applications

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Description

This function checks whether the account's domains can pass Domain Control Validation (DCV) via a DNS request.

Examples

▼ cPanel or Webmail Session URL

```
https://hostname.example.com:2083/cpsess#####/execute/DCV/check_domains_via_dns?domain=example.com&domain-1=example2.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 DCV module checks Domain Control Validation (DCV).

About UAPI

UAPI accesses and modifies data for cPanel accounts.

Branding:: image
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▼ CacheBuster

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cPGreyList:: disable_all_domains
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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.  
  
// Check whether the  
domains can pass  
Domain Control  
Validation (DCV) via  
a DNS request.  
$poll =  
$cpanel->uapi(  
    'DCV',  
    'check_domains_via_dns',  
    array(  
        'domain' =>  
        'example.com',  
        'domain-1' =>  
        'example2.com'  
    )  
);
```

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

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Find a function

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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.
```

```
# Check whether the  
domains can pass  
Domain Control  
Validation (DCV) via  
a DNS request.  
my $poll =  
$cpliveapi->uapi(  
  'DCV',  
  'check_domains_via_dns',  
  {  
    'domain' =>  
    'example.com',  
    'domain-1' =>  
    'example2.com'  
  }  
);
```

Note:

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

▼ cPanel Template Toolkit

```
<!-- Check whether  
the domains can pass  
Domain Control  
Validation (DCV) via  
a DNS request. -->  
[% execute('DCV',  
'check_domains_via_dns', { 'domain' =>  
'example.com', 'domain-1'=>'example2.com' }  
) %]
```

Note:

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

- UAPI Functions

- DCV: ensure_domains_can_pass_dcv

This function indicates whether the account's domains can pass a Domain Control Validation (DCV) check.

- UAPI Modules

- DCV

The DCV module checks Domain Control Validation (DCV).

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
DCV
check_domains_via_dns
domain=example.com
domain-1=example2.com
```

Output (JSON)

```
{
  "data": [
    {
      "dcv_string":
        "_dcv-test-record=wsWRlG9IsG7KNnLdIsx9Oz2oTw8m5q0imRR9L6LnDBz14sZelvDHqrJyJc6LA0DY",
      "domain":
        "example.org",
      "query_results": [
        "_dcv-test-record=wsWRlG9IsG7KNnLdIsx9Oz2oTw8m5q0imRR9L6LnDBz14sZelvDHqrJyJc6LA0DY"
      ],
      "succeeded": 1,
      "zone":
        "example.org"
    },
    {
      "dcv_string":
        "_dcv-test-record=wRUFPTN1DskKDG8KHfYM_5cQF5QUGWq1_A2ov08rKsrIYO_HilAjsQABFCrbJkLX",
      "domain":
        "example2.org",
      "failure_reason":
        "The DNS query to \"_dcv-test-record.example2.org\" for the DCV challenge returned no \"TXT\" record that matches the value \"_dcv-test-record=wRUFPTN1DskKDG8KHfYM_5cQF5QUGWq1_A2ov08rKsrIYO_HilAjsQABFCrbJkLX\"."
    }
  ]
}
```

- UAPI Modules - DNS - The DNS module checks DNS resolution issues.
- UAPI Functions - DCV: check_domains_via_dns - This function checks whether the account's domains can pass Domain Control Validation (DCV) via a DNS request.

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

```
"
"query_results": [
  ],
  "succeeded": 0,
  "zone":
"example2.org"
}
],
"errors": null,
"messages": null,
"metadata":{
  "transformed": 1
},
```

ers_backups
 Email:: list_lists
 Email:: list_mail_domains
 Email:: list_mxns
 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

```

    "status": 1,
    "warnings": null
  }
  
```

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
-----------	------	-------------	-----------------	---------

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_auth_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

domain	string	<p>Required</p> <p>The domains to check.</p> <div style="border: 1px solid orange; padding: 5px;"> <p>Note</p> <p>: To check multiple domains, duplicate or increment the parameter name. For example, to check three domains, use the domain parameter multiple times or use the domain, domain-1, and domain-2 parameters.</p> </div>	A valid domain name.	example.com
--------	--------	---	----------------------	-------------

Returns

Return	Type	Description	Possible values	Example
--------	------	-------------	-----------------	---------

▼ 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

	<i>hash</i>	This hash contains the results from each domain parameter's DCV check.	This hash reference contains the dc_v_string, domain, query_results, succeeded, and zone returns.	
		<p>Note : The function returns the results from the domain parameter in the same order in which you called them.</p>		
dcv_string	<i>string</i>	The expected value of the queried DNS record. The function returns this value in the unnamed hash.	A valid DCV string.	_dcv-test-record=wsWRlG9IsG7KNnLdIsx9Oz2oTw8m5q0imRR9L6LnDBz14sZelvdHqrJyJc6LA0DY
domain	<i>string</i>	The domain that the system verified. The function returns this value in the unnamed hash.	A valid domain.	example.com

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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

<p>failure_reason</p>	<p>string</p>	<p>The reason the DCV check failed.</p>	<p>A valid string that contains the reason why the DCV check failed.</p> <div data-bbox="894 275 1029 772" style="border: 1px solid orange; padding: 5px;"> <p>Note : If the server fails to update the DNS zone, the system returns this value.</p> </div>	<p>The DNS query to "_dcv-test-record.example2.org" for the DCV challenge returned no "TXT" record that matches the value "_dcv-test-record=wRUFPTN1DskKDG8KHfYM_5cQF5QUGWql_A2ov08rKsrIYO_Hi1AjsQABFCrbJkLX".</p>
<p>query_results</p>	<p>array of strings</p>	<p>The strings that the DNS query returned.</p> <p>The function returns this value in the unnamed hash.</p>	<ul style="list-style-type: none"> • A list of returned values from the DNS query. • An empty array. <div data-bbox="938 1016 1029 1967" style="border: 1px solid orange; padding: 5px;"> <p>Note :</p> </div>	<p>_dcv-test-record=wsWRlG9IsG7KNnLdIsx9Oz2oTw8m5q0imRR9L6LnDBz14sZelvdHqrJyJc6LA0DY</p>

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

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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_relative_uri

succeeded	<i>Boolean</i>	Whether the DCV check succeeded. The function returns this value in the unnamed hash.	<ul style="list-style-type: none"> 1 — At least one of the query_results values equals the dcv_string value. 0 — None of the query_results values equal the dcv_string value. 	1
zone	<i>string</i>	The altered and queried DNS zone name. The function returns this value in the unnamed hash.	A valid DNS zone name.	example.com

- ▼ 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