

UAPI - Filter Output

Guide to UAPI

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

Backup

Backup::fullbackup_to_ftp

Backup::fullbackup_to_homedir

Backup::fullbackup_to_scp_with_key

Backup::fullbackup_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_information_for_applications

Introduction

You can use additional parameters to filter UAPI output.

Filter output

UAPI filters use four basic parameters:

parameter	Type	Description	Possible values
<code>api.filter</code>	<i>Boolean</i>	Whether to enable filtering.	<ul style="list-style-type: none">1 — Enable filtering.0 — Disable filtering.
<code>api.filter_column</code>	<i>string</i>	The return to match against.	The name of one of the function's returns.
<code>api.filter_term</code>	<i>string</i>	The value to match.	An integer or string value.
<code>api.filter_type</code>	<i>string</i>	The match type. <ul style="list-style-type: none">If the <code>api.filter_term</code> value is an integer, use a numeric operator.If the <code>api.filter_term</code> value is a string, use a string operator. <p>This parameter defaults to <code>contains</code>.</p>	Numeric operators:

UAPI Basics

About UAPI

UAPI accesses and modifies data for cPanel accounts.

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Branding:: image

Branding:: include

Branding:: spritelist

▼ CacheBuster

CacheBuster:: read

CacheBuster:: update

▼ Chkserverd

Chkserverd:: get_exit_ports

Chkserverd:: get_exit_ports_ssl

▼ Chrome

Chrome:: get_dom

▼ 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

DAV:: is_dav_service_enabled

- eq — The column **equals** to the match value.
- lt — The column is **less than** the match value. This match type **can not** handle unlimited values.
- lt_handle_unlimited — The column is **less than** the match value. This match type **can** handle unlimited values.
- gt — The column is **greater than** the match value. This match type **cannot** handle unlimited values.
- gt_handle_unlimited — The column is **greater than** the match value. This match type **can** handle unlimited values.
- ne — The column does **not equal** to the match value.

Note:
We introduced the ne operator in cPanel & WHM version 56.

String operators:

Related Documentation

- [Guide to cPanel API 1](#) — cPanel API 1 accesses information from the cPanel interface.
- [Guide to cPanel API 2](#) — cPanel API 2 accesses cPanel account information and modifies 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
 - 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

- **contains** — The column **contains** the match value's string. Not case-sensitive.
- **begins** — The column **begins with** the match value's string. Not case-sensitive.
- **ends** — The column **ends with** the match value's string. Not case-sensitive.
- **matches** — The column **matches** the value as a regular expression.

Other operators:

- **defined** — The column **contains** a value.
- **undefined** — The column does **not contain** a value.

Note: We introduced the defined and undefined operators in cPanel & WHM version 58.

- [Guide to WHM API 0](#) — WHM API 0 accesses the WHM interface's features.
- [Guide to WHM API 1](#) — WHM API 1 accesses the WHM interface's features.
- [Guide to UAPI](#) — UAPI accesses the cPanel interface's features.

Examples

The following example function calls execute the `Email::list_lists` function and filter the results to return email accounts with private mailing list archives.

`LiveAPI` cPanel or Webmail Session URL
`LiveAPI` PHP Class
`LiveAPI` Perl Class
`LiveAPI` cPanel Template Toolkit
`LiveAPI` Command Line
`LiveAPI` Output (JSON)

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

```
/execute/Email/list_lists?api.filter=1&
api.filter_column=archive_private&api.filter_term=1&api.filter_type=eq
```

Note:

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

```
$cpanel = new CPANEL(); // Connect to
cPanel - only do this once.

// List all of the mailing lists with
private archives.
$private_lists = $cpanel->api2(
    'Email', 'list_lists',
    array(
        'api.filter'           => '1',
        'api.filter_column'   =>
'archive_private',
        'api.filter_term'     => '1',
        'api.filter_type'     => 'eq',
    )
);
```

Note:

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

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

# List all of the mailing lists with
private archives.
my $private_lists = $cpliveapi->api2(
    'Email', 'list_lists',
    {
        'api.filter'           => '1',
        'api.filter_column'   =>
'archive_private',
        'api.filter_term'     => '1',
        'api.filter_type'     => 'eq',
    }
);
```

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`

Note:

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

```
<!-- List all of the mailing lists with
private archives. -->
[% execute('Email', 'list_lists', {
'api.filter' => '1', 'api.filter_column'
=> 'archive_private', 'api.filter_term'
=> '1', 'api.filter_type' => 'eq', }) %]
```

Note:

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

```
uapi --user=username Email list_lists
api.filter=1
api.filter_column=archive_private
api.filter_term=1 api.filter_type=eq
```

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

```
{
  "messages": null,
  "errors": null,
  "status": 1,
  "data": [
    {
      "listid": "mylist_example.com",
      "accesstype": "public",
      "desthost":
"hostname.example.com",
      "diskused": "17647",
      "humandiskused": "17.23 KB",
      "listadmin": "admin@example.com",
      "list": "mylist@example.com",
      "advertised": "0",
      "archive_private": "1",
      "subscribe_policy": "1"
    }
    {
      "listid": "superlist_example.com",
      "accesstype": "public",
      "desthost":
"hostname.example.com",
      "diskused": "90120",
      "humandiskused": "90.12 KB",
      "listadmin": "charlie@example.com",
      "list": "superlist@example.com",
      "advertised": "1",
      "archive_private": "1",
      "subscribe_policy": "1"
    }
    {
      "listid": "list1_example.com",
      "accesstype": "public",
      "desthost":
"hostname.example.com",
      "diskused": "16040",
      "humandiskused": "16.04 KB",
      "listadmin": "user@example.com",
      "list": "list1@example.com",
      "advertised": "1",
      "archive_private": "1",
      "subscribe_policy": "1"
    }
  ],
  "metadata": {
    "transformed": 1
  }
}
```

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:: 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

Ftp

Ftp:: add_ftp

Use multiple filters

To use multiple filters on a single UAPI call, append an underscore (`_`) and a number to the end of each filter parameter.

For example, use the following parameters to pass two sets of filter information:

- Pass the first set of filter information to the `api.filter_type_0`, `api.filter_column_0`, and `api.filter_term_0` parameters.
- Pass the second set of filter information to the `api.filter_type_1`, `api.filter_column_1`, and `api.filter_term_1` parameters.

Note:

Do **not** include more than one `api.filter` boolean parameter.

For example, the following examples filter the `Email::list_lists` function's output to mailing lists that have private archives and do not display on the Mailman directory page.

cPanel or Webmail Session URLLiveAPI PHP ClassLiveAPI Perl Class
cPanel Template ToolkitCommand LineOutput (JSON)

```
/execute/Email/list_lists?api.filter=1&api.filter_column_0=archive_private&api.filter_term_0=1&api.filter_type_0=eq&api.filter_column_1=advertised&api.filter_term_1=0&api.filter_type_1=eq
```

Note:

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

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

```
$cpanel = new CPANEL(); // Connect to
cPanel - only do this once.

// List all of the mailing lists with
private archives that do
// not display on the Mailman directory
page.
$very_private_lists = $cpanel->uapi(
    'Email', 'list_lists',
    array(
        'api.filter' => '1',
        'api.filter_column_0' =>
'archive_private',
        'api.filter_term_0' => '1',
        'api.filter_type_0' => 'eq',
        'api.filter_column_1' =>
'advertised',
        'api.filter_term_1' => '0',
        'api.filter_type_1' => 'eq',
    )
);
```

Note:

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

t_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_provi

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

# List all of the mailing lists with
private archives that do
# not display on the Mailman directory
page.
my $very_private_lists =
$cpliveapi->uapi(
    'Email', 'list_lists',
    {
        'api.filter' => '1',
        'api.filter_column_0' =>
'archive_private',
        'api.filter_term_0' => '1',
        'api.filter_type_0' => 'eq',
        'api.filter_column_1' =>
'advertised',
        'api.filter_term_1' => '0',
        'api.filter_type_1' => 'eq',
    }
);
```

Note:

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

```
<!-- List all of the mailing lists with
private archives that do not display on
the Mailman directory page. -->
[% execute('Email', 'list_lists', {
'api.filter' => '1',
'api.filter_column_0' =>
'archive_private', 'api.filter_term_0'
=> '1', 'api.filter_type_0' =>
'eq', 'api.filter_column_1' =>
'advertised', 'api.filter_term_1' =>
'0', 'api.filter_type_1' => 'eq', }) %]
```

Note:

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

der_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

```
uapi --user=username Email list_lists
api.filter=1
api.filter_column_0=archive_private
api.filter_term_0=1 api.filter_type_0=eq
api.filter_column_1=advertised
api.filter_term_1=0 api.filter_type_1=eq
```

```
{
  "messages": null,
  "errors": null,
  "status": 1,
  "data": [
    {
      "listid": "mylist_example.com",
      "accesstype": "public",
      "desthost":
"hostname.example.com",
      "diskused": "17647",
      "humandiskused": "17.23 KB",
      "listadmin": "admin@example.com",
      "list": "mylist@example.com",
      "advertised": "0",
      "archive_private": "1",
      "subscribe_policy": "1"
    }
  ],
  "metadata": {
    "transformed": 1
  }
}
```

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_re
lative_uri

▼ PassengerApps

PassengerApps:: d
isable_application

PassengerApps:: e
dit_application

PassengerApps:: e
nable_application

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_acc
ounts

- ▼ 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:: 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_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_autoss_
excluded_domains

SSL:: get_autoss_
pending_queue

SSL:: get_autoss_
problems

SSL:: get_cabundl
e

SSL:: get_cn_nam
e

SSL:: install_ssl

SSL:: installed_ho
st

SSL:: installed_ho
sts

SSL:: is_autoss_
check_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
oss_excluded_do
mains

SSL:: set_autossl_excluded_domains

SSL:: set_cert_friendly_name

SSL:: set_csr_friendly_name

SSL:: set_key_friendly_name

SSL:: set_primary_ssl

SSL:: set_ssl_share

SSL:: show_cert

SSL:: show_csr

SSL:: show_key

SSL:: start_autossl_check

SSL:: upload_cert

SSL:: upload_key

▼ StatsBar

StatsBar:: get_stats

▼ Styles

Styles:: current

Styles:: list

Styles:: set_default

Styles:: update

▼ SubDomain

SubDomain:: addsubdomain

▼ Themes

Themes:: get_theme_base

Themes:: list

Themes:: update

▼ TwoFactorAuth

TwoFactorAuth:: generate_user_configuration

TwoFactorAuth:: get_user_configuration

TwoFactorAuth:: remove_user_configuration

TwoFactorAuth:: set_user_configuration

▼ UserManager

UserManager:: check_account_conflict

ts

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_home_dir

WebDisk:: set_password

WebDisk:: set_permissions

▼ 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

WordPressInstanc
eManager:: get_in
stance_by_id

WordPressInstanc
eManager:: get_in
stances

WordPressInstanc
eManager:: get_lat
est_wordpress_ver
sion_from_wordpr
ess_org

WordPressInstanc
eManager:: get_sc
an_results

WordPressInstanc
eManager:: is_inst
allable_addon_ava
ilable

WordPressInstanceManager:: **start_scan**

▼ **WordPressRestore**

WordPressRestore
:: **any_running**

WordPressRestore
:: **cleanup**

WordPressRestore
:: **start**