

# cPanel API 2 - Filter and Sort Output

Guide to cPanel API 2

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[Branding:: brandineditor](#)

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[Branding:: delpkg](#)

[Branding:: gensprites](#)

## Introduction

You can use additional variables to filter and sort cPanel API 2 output.

### Notes:

- You can test cPanel API 2 functions in cPanel's *API Shell* interface (*Home >> Advanced >> API Shell*). Click *Show Sort/Filter/Paginate Options* to display the additional text boxes.
- cPanel & WHM version 11.28 introduced this functionality.

## Filter output

cPanel API 2 filters use four basic variables:

Variable	Type	Description	Possible values
api2_filter	Boolean	Whether to enable filtering.	<ul style="list-style-type: none"><li>1 — Enable filtering.</li><li>0 — Disable filtering.</li></ul>
api2_filter_column	string	The return to match against.	The name of one of the function's returns.
api2_filter_term	string	The value to match.	An integer or string value.
api2_filter_type	string	The match type. <ul style="list-style-type: none"><li>If the <code>api2_filter_term</code> value is an integer, use a numeric operator.</li><li>If the <code>api2_filter_term</code> value is a string, use a string operator.</li></ul> This variable defaults to contains.	Numeric operators:

## cPanel API 2 Basics

## About cPanel API 2

cPanel API 2 accesses and modifies data for cPanel accounts.

### Notes:

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- 20
- ).

Branding:: getbrandingpkg

Branding:: getbrandingpkgstatus

Branding:: getdefaultbrandingpkg

Branding:: installbrandingpkgs

Branding:: installimages

Branding:: killimages

Branding:: listingtypes

Branding:: listobjecttypes

Branding:: preloadconf

Branding:: resetall

Branding:: resetscss

Branding:: resethtml

Branding:: resolve\_file

Branding:: resolvecss

Branding:: savecss

Branding:: setbrandingpkgstatus

Branding:: showpkgs

Branding:: spritelist

#### ▼ CSVImport

CSVImport:: columnchoices

CSVImport:: configimport

CSVImport:: data

CSVImport:: fetchimportdata

CSVImport:: isenabled

CSVImport:: loaddata

CSVImport:: processdata

CSVImport:: sendcontact

CSVImport:: uploadimport

- 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** the match value.

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

String operators:

## Related Documentation

- Use WHM API to Call cPanel API and UAPI — You can call cPanel API and UAPI functions through the WHM API.
- Guide to the Manage2 API — The Manage2 API automates cPanel license management procedures.

- Contactus:: isenabled
    - Contactus:: sendcontact
  - Cron
    - Cron:: add\_line
    - Cron:: edit\_line
    - Cron:: fetchcron
    - Cron:: get\_email
    - Cron:: listcron
    - Cron:: remove\_line
    - Cron:: set\_email
  - CustInfo
    - CustInfo:: contactemails
    - CustInfo:: contactprefs
    - CustInfo:: displaycontactinfo
    - CustInfo:: savecontactinfo
  - DBmap
    - DBmap:: status
    - DBmap:: version
  - DKIMUI
    - DKIMUI:: available
    - DKIMUI:: getrecords
    - DKIMUI:: install
    - DKIMUI:: installed
    - DKIMUI:: uninstall
  - DenyIp
    - DenyIp:: listdenyps
  - DiskCounter
    - DiskCounter:: disk\_counter
  - DiskUsage
    - DiskUsage:: buildcache
    - DiskUsage:: clearcache
    - DiskUsage:: fetch\_raw\_disk\_usage
    - DiskUsage:: fetchdiskusage
    - DiskUsage:: fetchdiskusagewithextras

- **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.

## Examples

The following example function call executes the `Email::listpopswithdisk` function and filters the results to return email accounts with disk quotas under 350 Megabytes (MB).

WHM API Live API PHP Class Live API Perl Class cPanel Tag System (deprecated)  
Command Line Output (JSON)

```
/json-api/cpanel?cpanel_jsonapi_user=user&cpanel_jsonapi_api_version=2&cpanel_jsonapi_module=Email&cpanel_jsonapi_function=listpopswithdisk&domain=example.com&api2_filter=1&api2_filter_column=diskquota&api2_filter_term=350&api2_filter_type=lt_handle_unlimited
```

- [Guide to UAPI](#) — UAPI accesses the cPanel interface's features.
- [Guide to WHM API 0](#) — WHM API 0 accesses the WHM interface's features.
- [Guide to cPanel API 2](#) — cPanel API 2 accesses cPanel account information and modifies settings.

▼ DnsLookup

DnsLookup:: name  
2ip

▼ DomainLookup

DomainLookup:: c  
ountbaseddomains

DomainLookup:: g  
etbaseddomains

DomainLookup:: g  
etdocroot

DomainLookup:: g  
etdocroots

DomainLookup:: g  
etmaindomain

▼ Email

Email:: accountna  
me

Email:: adddomain  
forward

Email:: addforward

Email:: addmx

Email:: addpop

Email:: browsebox  
es

Email:: changemx

Email:: checkmain  
discard

Email:: clearpopca  
che

Email:: deletefilter

Email:: delforward

Email:: delmx

Email:: delpop

Email:: disablefilter

Email:: editquota

Email:: enablefilter

Email:: fetchautore  
sponder

Email:: fetchcharm  
aps

Email:: filteractions

Email:: filterlist

Email:: filtername

Email:: filterrules

Email:: get\_archivi  
ng\_configuration

Email:: get\_archivi  
ng\_default\_configu

**Note:**

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

```
$cpanel = new CPANEL(); // Connect to  
cPanel - only do this once.  
  
// List all example.com email addresses  
with quotas under 350MB.  
$list_email_address_info =  
$cpanel->api2(  
    'Email', 'listpopswithdisk',  
    array(  
        'domain'                               =>  
        'example.com',  
        'api2_filter'                           => '1',  
        'api2_filter_column'                   =>  
        'diskquota',  
        'api2_filter_term'                     =>  
        '350',  
        'api2_filter_type'                     =>  
        'lt_handle_unlimited',  
    )  
);
```

**Note:**

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

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: `listaliasbackups`

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: `listpopwithdisk`

Email: `listpopwithimage`

Email: `loadfilter`

Email: `passwdpop`

Email: `reorderfilters`

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

# List all example.com email addresses
with quotas under 350MB.
my $list_email_addresses =
$cpliveapi->api2(
    'Email', 'listpopswithdisk',
    {
        'domain' =>
'example.com',
        'api2_filter' => '1',
        'api2_filter_column' =>
'diskquota',
        'api2_filter_term' =>
'350',
        'api2_filter_type' =>
'lt_handle_unlimited',
    }
);
```

**Note:**

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

```
<?cp Email::listpopswithdisk (
    [strong]%/strong] - %[br],
    email,
    diskquota
)
    domain="example.com",
    api2_filter="1",

    api2_filter_column="diskquota",
    api2_filter_term="350",

    api2_filter_type="lt_handle_unlimited",
?>
```

**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

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:: autocomplete\_dir

Fileman:: fileop

Fileman:: getabsdir

Fileman:: getdir

Fileman:: getdiractions

Fileman:: getdiskinfo

Fileman:: getedittype

Fileman:: getfileactions

Fileman:: getpath

Fileman:: listfiles

Fileman:: mkdir

Fileman:: mkfile

Fileman:: savefile

their output.

- For more information, read our [Deprecated cPanel Tag Usage documentation](#).

```
uapi --user=username Email
listpopswithdisk domain=example.com
api2_filter=1
api2_filter_column=diskquota
api2_filter_term=350
api2_filter_type=lt_handle_unlimited
```

```
{
  "cpanelresult": {
    "apiversion": 2,
    "records_before_filter": 6,
    "func": "listpopswithdisk",
    "data": [
      {
        "txtdiskquota": "unlimited",
        "diskquota": "unlimited",
        "diskusedpercent": 0,
        "mtime": 1414015408,
        "diskused": 0,
        "humandiskquota": "None",
        "_diskused": "483",
        "login": "user1@example.com",
        "email": "user1@example.com",
        "domain": "example.com",
        "user": "user1",
        "humandiskused":
"483\u00a0bytes",
        "diskusedpercent20": 0,
        "_diskquota": 0
      },
      {
        "txtdiskquota": "unlimited",
        "diskquota": "unlimited",
        "diskusedpercent": 0,
        "mtime": 1414015408,
        "diskused": 0,
        "humandiskquota": "None",
        "_diskused": "0",
        "login": "user2@example.com",
        "email": "user2@example.com",
        "domain": "example.com",
        "user": "user2",
        "humandiskused": "None",
        "diskusedpercent20": 0,
        "_diskquota": 0
      }
    ]
  }
}
```

- Fileman:: search
- Fileman:: staffiles
- 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:: listusers
  - Htaccess:: listusers
- HttpUtils
  - HttpUtils:: getdirindices
- ImageManager
  - ImageManager:: thumbnail
- LVEInfo
  - LVEInfo:: getUsage
- LangMods
  - LangMods:: getarcname
  - LangMods:: getkey

```

{
  "txtdiskquota": 325,
  "diskquota": 325,
  "diskusedpercent": 0,
  "mtime": 1414015408,
  "diskused": 0,
  "humandiskquota": "325\u00a0MB",
  "_diskused": "0",
  "login": "user3@example.com",
  "email": "user3@example.com",
  "domain": "example.com",
  "user": "user3",
  "humandiskused": "None",
  "diskusedpercent20": 0,
  "_diskquota": "340787200"
},
],
"event": {
  "result": 1
},

```

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

```
    "module": "Email"  
  }  
}
```

## Use multiple filters

To use multiple filters on a single cPanel API 2 call, append an underscore ( \_ ) and a number to the end of each filter variable.

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

- Pass the first set of filter information to the `api2_filter_type_0`, `api_filter_column_0`, and `api_filter_term_0` variables.
- Pass the second set of filter information to the `api2_filter_type_1`, `api_filter_column_1`, and `api_filter_term_1` variables.

### Note:

Do **not** include more than one `api2_filter` boolean variable.

For example, the following examples filter the `Email::listpopswithdisk` function's output to email addresses that contain `com` with a quota that is greater than 100.

WHM API Live API PHP Class Live API Perl Class Command Line  
cPanel Tag System (deprecated)

```
/json-api/cpanel?cpanel_jsonapi_user=us  
er&cpanel_jsonapi_api_version=2&cpanel_j  
sonapi_module=Email&cpanel_jsonapi_func  
=listpopswithdisk&domain=example.com&api  
2_filter=1&api2_filter_type_0=gt_handle  
_unlimited&api2_filter_column_0=quota&a  
pi2_filter_term_0=100&api2_filter_type_  
1=contains&api2_filter_column_1=email&a  
pi2_filter_term_1=com
```

### Note:

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



- Logaholic:: proces  
sstats
- ▼ Mime
  - Mime:: list\_hotlinks
  - Mime:: listhandlers
  - Mime:: listmime
  - Mime:: listredirects
  - Mime:: redirectname
  - Mime:: redirecturlname
- ▼ MysqlFE
  - MysqlFE:: authorizehost
  - MysqlFE:: change  
dbuserpassword
  - MysqlFE:: created  
b
  - MysqlFE:: created  
buser
  - MysqlFE:: dbuserexists
  - MysqlFE:: deauthorizehost
  - MysqlFE:: deleted  
b
  - MysqlFE:: deleted  
buser
  - MysqlFE:: getalldb  
sinfo
  - MysqlFE:: getalldb  
usersanddbs
  - MysqlFE:: getdbuserprivileges
  - MysqlFE:: getdbusers
  - MysqlFE:: gethosts
  - MysqlFE:: getmysqlprivileges
  - MysqlFE:: getmysqlserverprivileges
  - MysqlFE:: has\_my  
cnf\_for\_cpuser
  - MysqlFE:: listdbs
  - MysqlFE:: listdbsback  
up
  - MysqlFE:: listhosts
  - MysqlFE:: listusers
  - MysqlFE:: listusers  
indb

```
$cpanel = new CPANEL(); // Connect to  
cPanel - only do this once.  
  
// List all .com email addresses with  
quotas over 100MB.  
$list_email_address_info =  
$cpanel->api2(  
    'Email', 'listpopswithdisk',  
    array(  
        'api2_filter'           => '1',  
        'api2_filter_column_0' =>  
        'diskquota',  
        'api2_filter_term_0'   =>  
        '100',  
        'api2_filter_type_0'   =>  
        'gt_handle_unlimited',  
        'api2_filter_column_1' =>  
        'email',  
        'api2_filter_term_1'   =>  
        'com',  
        'api2_filter_type_1'   =>  
        'contains',  
    )  
);
```

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

- MysqlFE:: revoked  
buserprivileges
- MysqlFE:: setdbus  
erprivileges
- MysqlFE:: userdbp  
rivs
- MySQLOptimizer
  - MySQLOptimizer:: f  
etch\_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:: getallopti  
ons
  - PHPINI:: getoption  
s
- Park
  - Park:: listaddondo  
mains
  - Park:: listparkeddo  
mains
  - Park:: park
  - Park:: unpark
- Passwd
  - Passwd:: change\_  
password
  - Passwd:: set\_dige  
st\_auth
- PasswdStrength
  - PasswdStrength::  
appstrengths
  - PasswdStrength::  
get\_password\_stre  
ngth
  - PasswdStrength::  
get\_required\_stren  
gth
- Postgres
  - Postgres:: listdbs
  - Postgres:: listusers

```

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

# List all .com email addresses with
quotas over 100MB.
my $list_email_addresses =
$cpliveapi->api2(
    'Email', 'listpopswithdisk',
    {
        'api2_filter'           => '1',
        'api2_filter_column_0' =>
'diskquota',
        'api2_filter_term_0'   =>
'100',
        'api2_filter_type_0'   =>
'gt_handle_unlimited',
        'api2_filter_column_1' =>
'email',
        'api2_filter_term_1'   =>
'com',
        'api2_filter_type_1'   =>
'contains',
    }
);

```

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

```

cpapi2 --user=username Email
listpopswithdisk domain=example.com
api2_filter=1
api2_filter_type_0=gt_handle_unlimited
api2_filter_column_0=quota
api2_filter_term_0=100
api2_filter_type_1=contains
api2_filter_column_1=email
api2_filter_term_1=com

```

Postgres:: listusers  
indb

Postgres:: userexist  
sts

▼ 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:: delip  
SourceIPCheck:: getaccount  
SourceIPCheck:: listips  
SourceIPCheck:: loadsecquestions  
SourceIPCheck:: resetsecquestions  
SourceIPCheck:: samplequestions  
SourceIPCheck:: savesecquestions

▼ SPFUI  
SPFUI:: available  
SPFUI:: count\_settings

```
<?cp Email::listpopswithdisk (
    [strong]%/[/strong] - %[br],
    email,
    diskquota
)
domain="example.com",
api2_filter="1",

api2_filter_column_0="diskquota",
api2_filter_term_0="100",

api2_filter_type_0="gt_handle_unlimited",
,
    api2_filter_column_1="email",
    api2_filter_term_1="com",
    api2_filter_type_1="contains",
?>
```

**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.

## Sort output

cPanel API 2 sorting uses four basic variables:

Variable	Type	Description	Possible values
api2_sort	<i>Boolean</i>	Whether to enable sorting.	<ul style="list-style-type: none"> <li>• 1 — Enable sorting.</li> <li>• 0 — Disable sorting.</li> </ul>
api2_sort_column	<i>string</i>	The output parameter to sort by.	The name of one of the function's parameters.

SPFUI:: entries\_complete  
 SPFUI:: get\_raw\_record  
 SPFUI:: getmainserverip  
 SPFUI:: install  
 SPFUI:: installed  
 SPFUI:: list\_settings  
 SPFUI:: load\_current\_values  
 SPFUI:: uninstall

SSH

SSH:: authkey  
 SSH:: converttopk  
 SSH:: delkey  
 SSH:: fetchkey  
 SSH:: genkey  
 SSH:: genkey\_legacy  
 SSH:: importkey  
 SSH:: listkeys

SSL

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

SSLInfo:: fetchinfo

StatCache

StatCache:: clearcache

Stats

Stats:: getmonthly

api2_sort_method	string	The type of sorting to use.  This variable defaults to <code>lexicographic</code> .	<ul style="list-style-type: none"> <li><code>ipv4</code> — Sort output by the numeric value of each octet in an IPv4 address.</li> <li><code>numeric</code> — Sort output in numeric order, with 0 as the lowest number.</li> <li><code>numeric_zero_as_max</code> — Sort output in numeric order, with 0 as the highest number.</li> <li><code>lexicographic</code> — Sort output in alphabetical order.</li> </ul>
api2_sort_reverse	Boolean	Whether to sort data in reverse order.	<ul style="list-style-type: none"> <li>1 — Sort in reverse order.</li> <li>0 — Do <b>not</b> sort in reverse order.</li> </ul>

**Warning:** You **must** set this parameter whenever you sort numeric values, or the function will fail.

Examples

The following example function call executes the `Stats::lastvisitors` function and use the `ipv4` method to sort the `ip` parameter's values in reverse order.

WHM API Live API PHP Class Live API Perl Class Command Line  
 cPanel Tag System (deprecated)

```
/json-api/cpanel?cpanel_jsonapi_user=us
er&cpanel_jsonapi_api_version=2&cpanel_j
sonapi_module=Stats&cpanel_jsonapi_func
=lastvisitors&domain=example.com&api2_s
ort=1&api2_sort_column=ip&api2_sort_met
hod=ipv4&api2_sort_reverse=1
```

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

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\_avai  
lable\_themes

Themes:: get\_the  
mes\_list

Themes:: restore\_  
saved\_theme

#### UI

UI:: dynamicinclu  
delist

```
$cpanel = new CPANEL(); // Connect to  
cPanel - only do this once.  
  
// List recent visitors, sorted by IP  
address in reverse order.  
$sorted_visitors = $cpanel->api2(  
    'Stats', 'lastvisitors',  
    array(  
        'domain' =>  
        'example.com',  
        'api2_sort' => '1',  
        'api2_sort_column' =>  
        'ip',  
        'api2_sort_method' =>  
        'ipv4',  
        'api2_sort_reverse' => '1',  
    )  
);
```

#### Note:

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

```
my $cpliveapi =  
Cpanel::LiveAPI->new(); # Connect to  
cPanel - only do this once.  
  
# List recent visitors, sorted by IP  
address in reverse order.  
my $list_email_addresses =  
$cpliveapi->api2(  
    'Email', 'listpopswithdisk',  
    {  
        'domain' =>  
        'example.com',  
        'api2_sort' => '1',  
        'api2_sort_column' =>  
        'ip',  
        'api2_sort_method' =>  
        'ipv4',  
        'api2_sort_reverse' => '1',  
    }  
);
```

#### Note:

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

UI:: includelist  
UI:: listform  
UI:: paginate  
UI:: paginate\_list  
▼ UserHttpUtils  
UserHttpUtils:: get\_dirindices  
▼ WebDisk  
WebDisk:: addwebdisk  
WebDisk:: delwebdisk  
WebDisk:: hasdigest  
WebDisk:: listwebdisks  
WebDisk:: passwdwebdisk  
WebDisk:: set\_digest\_auth  
WebDisk:: set\_homedir  
WebDisk:: set\_permissions  
WebDisk:: setstatus  
▼ WebmailApps  
WebmailApps:: listwebmailapps  
▼ ZoneEdit  
ZoneEdit:: add\_zone\_record  
ZoneEdit:: edit\_zone\_record  
ZoneEdit:: fetch\_cpanel\_generated\_domains  
ZoneEdit:: fetchzone  
ZoneEdit:: fetchzone\_records  
ZoneEdit:: fetchzones  
ZoneEdit:: get\_zone\_record  
ZoneEdit:: remove\_zone\_record  
ZoneEdit:: resetzone

```
cpapi2 --user=username Stats  
lastvisitors domain=example.com  
api2_sort=1 api2_sort_column=ip  
api2_sort_method=ipv4  
api2_sort_reverse=1
```

```
<?cp Email::listpopswithdisk (  
    %[br],  
    ip  
    )  
    domain="example.com",  
    api2_sort="1",  
    api2_sort_column="ip",  
    api2_sort_method="ipv4",  
    api2_sort_reverse="1",  
?>
```

#### 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.

