

UAPI Functions - Restore::directory_listing

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Description

This function lists all of the backup files and directories in the user's home directory.

Examples

▼ cPanel or Webmail Session URL

```
https://hostname.example.com:2083/cpsessXXXXXXXXXX/execute/Restore/directory_listing?path=%2Fpublic_html%2F
```

Note:

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

▼ LiveAPI PHP Class

```
$cpanel = new CPANEL(); // Connect to cPanel - only do this once.  
  
// get a directory listing of all backups for user  
$DAV = $cpanel->uapi('Restore', 'directory_listing', array('path' => '/public_html/', ));
```

Note:

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

Function information

About this module

The `Restore` module provides functions to browse a user's backup files and restore files and directories for that user.

About UAPI

UAPI accesses and modifies data for cPanel accounts.

- Branding:: image
- Branding:: include
- Branding:: spritelist
- CacheBuster
 - CacheBuster:: read
 - CacheBuster:: update
- Chkserverd
 - Chkserverd:: get_exim_ports
 - Chkserverd:: get_exim_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

LiveAPI Perl Module

```

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

# get a directory
listing of all
backups for user
my
$disable_shared_global_addressbook =
$cpliveapi->uapi(
'Restore',
'directory_listing',
{
'path' =>
'/public_html/',
}
);

```

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

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Find a function

The Restore module provides functions to browse and restore a user's backup files and directories.

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

▼ cPanel Template Toolkit

```

<!-- get a directory listing of all backups for user -->
[% data = execute('Restore', 'directory_listing' { 'path' => '/public_html/' } ); %]
[% FOREACH q = data %]
    <p>
        Name: [% q.name %] Type: [% q.type %]
    </p>
[% END %]

```

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

▼ Command Line

```

uapi --user=example1
Restore
directory_listing
path=/public_html/

```

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 - Restore:: get_users — This function lists a reseller's users with existing backup metadata.
- UAPI Functions - Restore:: directory_listing — This function lists all of the backup files and directories in the user's home directory.

- 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_hidden_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

▼ Output (JSON)

```

{
  "messages":null,
  "metadata":{
    "transformed":1
  },
  "errors":null,
  "status":1,
  "data":[
    {
      "type":"dir",
      "onDiskType":"dir",
      "name":"testdir",
      "conflict":0,
      "exists":1
    }
  ]
}

```

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
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- UAPI Functions - Restore: restore_file - This function restores a file or directory from a backup to the file or directory's original location.
- UAPI Functions - Restore: query_file_info - This function lists all of an item's backup locations. An item can be a file, a directory, or a symlink.

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`

path	string	<p>Required.</p> <p>A path to a subdirectory within the user's home directory, or any level below it.</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>Note : The value of this parameter must begin and end with a forward slash (/) for security purposes.</p> </div>	A path relative to the home directory.	/public_html /
------	--------	--	--	----------------

Returns

Return	Type	Description	Possible values	Example
	hash	A hash that contains information about a specific item stored in the backup.	This hash contains the <code>conflict</code> , <code>exists</code> , <code>name</code> , <code>onDiskType</code> , and <code>type</code> returns.	
<code>conflict</code>	Boolean	Whether a difference exists between the <code>type</code> and <code>onDiskType</code> returns. The function returns this value in the unnamed hash.	<ul style="list-style-type: none"> 1 — Conflict exists. 0 — No conflict exists. 	0
<code>exists</code>	Boolean	Whether the file exists in the user's directory or only in the backup. The function returns this value in the unnamed hash.	<ul style="list-style-type: none"> 1 — File exists in the user's directory. 0 — File exists only in the backup. 	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

name	string	The name of the file or directory. The function returns this value in the unnamed hash.	A file or directory name.	public_html
onDisk Type	string	The item type stored on the disk. The function returns this value in the unnamed hash.	<ul style="list-style-type: none"> • dir — A directory. • file — A file. • symlink — A symlink. • unknown — An unknown file type. 	file
type	string	The item type stored in the backup. The function returns this value in the unnamed hash.	<ul style="list-style-type: none"> • dir — A directory. • file — A file. • symlink — A symlink. • unknown — An unknown file type. 	file

EmailAuth:: fetch_
dkim_private_keys

EmailAuth:: install
_dkim_private_key
s

EmailAuth:: install
_spf_records

EmailAuth:: validat
e_current_dkims

EmailAuth:: validat
e_current_ptrs

EmailAuth:: validat
e_current_spfs

ExternalAuthenticat
ion

ExternalAuthentic
ation:: add_auth_li
nk

ExternalAuthentic
ation:: configured_
modules

ExternalAuthentic
ation:: get_authn_lin
ks

ExternalAuthentic
ation:: has_external
_auth_modules_co
nfigured

ExternalAuthentic
ation:: remove_auth
n_link

Features

Features:: has_fea
ture

Features:: list_feat
ures

Fileman

Fileman:: autocom
pletedir

Fileman:: empty_tr
ash

Fileman:: get_file_
content

Fileman:: get_file_i
nformation

Fileman:: list_files

Fileman:: save_file
_content

Fileman:: transcod
e

Fileman:: upload_fi
les

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_versions

LangPHP:: php_get

t_system_default_
version

LangPHP:: php_ge
t_vhost_versions

LangPHP:: php_ini
_get_user_basic_d
irectives

LangPHP:: php_ini
_get_user_content

LangPHP:: php_ini
_get_user_paths

LangPHP:: php_ini
_set_user_basic_d
irectives

LangPHP:: php_ini
_set_user_content

LangPHP:: php_se
t_vhost_versions

▼ LastLogin

LastLogin:: get_las
t_or_current_logge
d_in_ip

▼ Locale

Locale:: get_attri
butes

▼ Mailboxes

Mailboxes:: expun
ge_mailbox_mess
ages

Mailboxes:: expun
ge_messages_for
_mailbox_guid

Mailboxes:: get_m
ailbox_status

Mailboxes:: has_ut
f8_mailbox_names

Mailboxes:: set_utf
8_mailbox_names

▼ Market

Market:: cancel_pe
nding_ssl_certifica
te

Market:: create_sh
opping_cart

Market:: get_all_pr
oducts

Market:: get_certifi
cate_status_detail
s

Market:: get_login
_url

Market:: get_pendi
ng_ssl_certificates

Market:: get_provi

der_specific_dcv_
constraints

Market:: get_provi
ders_list

Market:: get_ssl_c
ertificate_if_availa
ble

Market:: process_s
sl_pending_queue

Market:: request_s
sl_certificates

Market:: set_status
_of_pending_queu
e_items

Market:: set_url_af
ter_checkout

Market:: validate_l
ogin_token

▼ Mime

Mime:: add_handl
er

Mime:: add_hotlink

Mime:: add_mime

Mime:: add_redire
ct

Mime:: delete_han
dler

Mime:: delete_hotli
nk

Mime:: delete_mim
e

Mime:: delete_redi
rect

Mime:: list_handler
s

Mime:: list_hotlinks

Mime:: list_mime

Mime:: list_redirect
s

Mime:: redirect_inf
o

▼ ModSecurity

ModSecurity:: disa
ble_all_domains

ModSecurity:: disa
ble_domains

ModSecurity:: ena
ble_all_domains

ModSecurity:: ena
ble_domains

ModSecurity:: has
_modsecurity_inst

alled

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

▼ PassengerApps

PassengerApps:: d
isable_application

PassengerApps:: e
dit_application

PassengerApps:: e
nable_application

PassengerApps:: li
st_applications

PassengerApps:: r
egister_application

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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
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 - Restore:: query_file_info
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- ▼ Session
 - Session:: create_temp_user
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 - SiteTemplates:: list_site_templates
 - SiteTemplates:: list_user_settings
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- ▼ 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
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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

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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**