

UAPI Functions - DNSSEC::set_nsec3

Guide to UAPI

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

Backup
Backup::
fullbacku

p_to_ftp

Backup:: fullbacku
p_to_homedir

Backup:: fullbacku
p_to_scp_with_key

Backup:: fullbacku
p_to_scp_with_pa
ssword

Backup:: list_back
ups

Bandwidth

Bandwidth:: get_e
nabled_protocols

Bandwidth:: get_re
tention_periods

Bandwidth:: query

Batch

Batch:: strict

Brand

Brand:: read

Branding

Branding:: file

Branding:: get_app
lications

Branding:: get_app
lication_informatio
n

Branding:: get_ava
ilable_applications

Branding:: get_info
rmation_for_applic
ations

Description

This function configures the domain to use [Next Secure Record 3 \(NSEC3\)](#) semantics.

Important:

In cPanel & WHM version 76 and later, when you disable the [DNS](#) 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.exam  
ple.com:2083/cpsess##  
#####/execute/DNSS  
EC/set_nsec3?domain=e  
xample.com&use_nsec3=  
1&nsec3_opt_out=0&nse  
c3_iterations=7&nsec3  
_narrow=1&nsec3_salt=  
1A2B3C4D5E6F
```

Note:

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

Func tion infor mati on

About this mod ule

The [DNS SEC](#) mod
ule
modifies
cPanel
DNSSEC
settings.

About t UAPI

UAPI
accesses
and
modifies
data for
cPanel
accounts.

- Branding:: image
- Branding:: include
- Branding:: spritelist
- CacheBuster
 - CacheBuster:: read
 - CacheBuster:: update
- Chkservd
 - Chkservd:: get_exim_ports
 - Chkservd:: get_exim_ports_ssl
- Chrome
 - Chrome:: get_domain
- 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 PHP Class

```

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

// Set NSEC3.
$sa_settings =
$cpnl->uapi(
    'DNSSEC',
    'set_nsec3',
    array(
        'domain'
=> 'example.com',
        'use_nsec3'
=> '1',

        'nsec3_opt_out'
=> '0',

        'nsec3_iterations'
=> '7',

        'nsec3_narrow'
=> '1',

        'nsec3_salt'
=> '1A2B3C4D5E6F',
    )
);

```

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

Notes:

- The `Fe`
- The `int`
- The `Ur`
- The `mu`
- The `us`
- The `20`
- The `or`
- The `20`
- The `20`
- The `or`
- The `20`
- The `).`

Find a function

- [UAPI Functions - Two Factor or Authentication — This function retrieves the user's configuration settings for two-factor authentication.](#)

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.  
  
# Set NSEC3.  
my $sa_settings =  
$cpliveapi->uapi(  
  'DNSSEC',  
  'set_nsec3',  
  {  
    'domain'  
=> 'example.com',  
    'use_nsec3'  
=> '1',  
  
    'nsec3_opt_out'  
=> '0',  
  
    'nsec3_iterations'  
=> '7',  
  
    'nsec3_narrow'  
=> '1',  
    'nsec3_salt'  
=> '1A2B3C4D5E6F',  
  }  
);
```

Note:

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

- UAPI Functions - Two Factor Auth::remove_user_configuration — This function removes the user from the two-factor authentication user data file.
- UAPI Functions - Two Factor Auth::set_user_configuration — This function configures the two-factor authentication settings for an account.

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

```
<!-- Set NSEC3. -->
[% SET sa_settings =
execute('DNSSEC',
'set_nsec3' { 'domain
' =>
'example.com', 'use_nsec3' =>
'1', 'nsec3_opt_out =>
'0', 'nsec3_iterations
' =>
'7', 'nsec3_narrow' =>
'1', 'nsec3_salt' =>
'1A2B3C4D5E6F', } );
%]
```

Note:

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

- UAPI Modules - Two Factor Auth — The TwoFactorAuth module modifies cPanel's two-factor authentication settings.

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

Command Line

```
uapi --user=username
DNSSEC set_nsec3
domain=example.com
use_nsec3=1
nsec3_opt_out=0
nsec3_iterations=7
nsec3_narrow=1
nsec3_salt=1A2B3C4D5E
6F
```

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
```

Output (JSON)

```
{
  "data":null,
  "errors":null,
  "messages":null,
  "status":1,
  "metadata":{
    "DNSSEC":{
      "enabled":{
        "example.com":1
      }
    }
  }
}
```

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

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
domain	string	Required The domain on which to enable NSEC3 semantics.	A valid domain.	example.com

<p>EmailAuth:: fetch_dkim_private_keys</p> <p>EmailAuth:: install_dkim_private_keys</p> <p>EmailAuth:: install_spf_records</p> <p>EmailAuth:: validate_current_dkims</p> <p>EmailAuth:: validate_current_ptrs</p> <p>EmailAuth:: validate_current_spfs</p>	<p>nsec3_opt_out</p> <p><i>Boolean</i></p>	<p>Required</p> <p>Whether the system will create records for all delegations.</p>	<ul style="list-style-type: none"> • 1 — Create records for all delegations. • 0 — Create records only for secure delegations. <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <p>N o t e : O n l y s e l e c t l i f y o u m u s t c r e a t e r e c o r d s f o r a l l d e l e g a t i o n s .</p> </div>	<p>0</p>
<p>ExternalAuthenticat ion</p> <p>ExternalAuthenticat ion:: add_auth_li nk</p> <p>ExternalAuthenticat ion:: configured_ modules</p> <p>ExternalAuthenticat ion:: get_authn_lin ks</p> <p>ExternalAuthenticat ion:: has_external_ auth_modules_co nfigured</p> <p>ExternalAuthenticat ion:: remove_auth n_link</p>				
<p>Features</p> <p>Features:: get_feat ure_metadata</p> <p>Features:: has_fea ture</p> <p>Features:: list_feat ures</p>				
<p>Fileman</p> <p>Fileman:: autocom pletedir</p> <p>Fileman:: empty_tr ash</p> <p>Fileman:: get_file_ content</p> <p>Fileman:: get_file_i nformation</p> <p>Fileman:: list_files</p> <p>Fileman:: save_file_ content</p> <p>Fileman:: transcod e</p> <p>Fileman:: upload_fi les</p>				

- 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

nsec3_iterations	<i>integer</i>	Required The number of times that the system re-executes the first resource record hash operation.	A positive integer less than 501.	7
nsec3_narrow	<i>Boolean</i>	Required Whether NSEC3 will operate in Narrow mode or Inclusive mode. In Narrow mode, PowerDNS sends out white lies about the next secure record. Rather than query the resource record in the database, PowerDNS sends the hash plus 1 as the next secure record.	<ul style="list-style-type: none"> • 1 — Narrow mode. • 0 — Inclusive mode. 	1
nsec3_salt	<i>string</i>	Required The salt value that PowerDNS uses in the hashes. For more information about the salt value, read the RFC 5155 documentation.	A hexadecimal string.	1A2B3C4D5E6F

Returns

This function only returns metadata.

- Integration:: fetch_url
- KnownHosts:: create
 - KnownHosts:: delete
 - KnownHosts:: update
 - KnownHosts:: verify
- 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_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_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