

UAPI Functions - DNSSEC::set_nsec3

Guide to UAPI

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tention_periods

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lication_informatio
n

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ilable_applications

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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

Abou t this mod ule

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

Abou 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:

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-).`
- 20
- or
- 20
-).

Find a function

TwoF actorAuth module modifies cPanel's two-factor authentication 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

▼ 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::generate_user_configuration — This function generates an authentication code to enable configuration of two-factor authentication.
- UAPI Functions - Two Factor Auth::get_user_configuration — This function retrieves the user's configuration settings for two-factor authentication.

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 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.

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 data-bbox="933 457 1031 1785" 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:: 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>				
<p>Ftp</p> <p>Ftp:: add_ftp</p>				

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

▼ 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

Returns

This function only returns metadata.

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_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:: 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_user
s
 - Restore:: query_fil
e_info
 - Restore:: restore_f
ile
- ▼ Session
 - Session:: create_t
emp_user
- ▼ SiteTemplates
 - SiteTemplates:: list
_site_templates
 - SiteTemplates:: list
_user_settings
 - SiteTemplates:: pu
blish
- ▼ SpamAssassin
 - SpamAssassin :: cl
ear_spam_box
 - SpamAssassin:: g
et_symbolic_test_
names
 - SpamAssassin:: g
et_user_preferenc
es
 - SpamAssassin:: u
pdate_user_prefer
ence
- ▼ SSH
 - SSH:: get_port
- ▼ SSL
 - SSL:: add_autossl
_excluded_domain
s
 - SSL:: check_share
d_cert
 - SSL:: delete_cert
 - SSL:: delete_csr
 - SSL:: delete_key
 - SSL:: delete_ssl
 - SSL :: disable_mai
l_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_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**