

DNS Settings

DNS Settings

Admin Settings

Application

Authentication

DNS

DHCP

Peering

Templates

Scanning & Discovery

Managed Servers

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Enable DNSSEC local signing
(Testing Purposes Only):

☐ OFF

By enabling DNSSEC local signing, ProVision will sign the zones with DNSSEC support on push. The keys are generated and saved locally. This feature is intended for testing purposes only.

Save Changes

DNS Settings are accessed by clicking the "DNS" sub-tab at the top of the Admin Settings page. DNS Settings are used to support various DNS functions, including DNSSEC, Dynamic updates, backup settings, push settings, DNS cache settings, and DNS server statistics.

- DNSSEC Settings
- DNS Dynamic Update Settings
- DNS Backup Settings
- DNS Import Settings
- DNS Push Settings
- DNS Cache Settings
- DNS Server statistics
- Catalog Zone Settings
- Additional Details:

DNSSEC Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Enable DNSSEC local signing
(Testing Purposes Only):

ON

By enabling DNSSEC local signing, ProVision will sign the zones with DNSSEC support on push. The keys are generated and saved locally. This feature is intended for testing purposes only.

Sign zones by dnssec-tools:

ON

ProVision will use the zonesigner from dnssec-tools to sign the zones. Dnssec-tools can be found [here](#)

Zonesigner Path:

ex: /usr/local/bin/zonesigner

Path to the zonesigner tool.

Sign zones by ISC Bind Utilities
(Recommended):

ON

ProVision will use the ISC BIND Utilities to sign the zones.

dnssec-keygen Path:

ex: /usr/sbin/dnssec-keygen

Path to the dnssec-keygen tool.

dnssec-signzone Path:

ex: /usr/sbin/dnssec-signzone

Path to the dnssec-signzone tool.

dnssec-dsfromkey Path:

ex: /usr/sbin/dnssec-dsfromkey

Path to the dnssec-dsfromkey tool used for generating DS records.

Save Changes

If using DNSSEC, select whether to enabled DNSSEC local signing, or sign zones by dnssec-tools, then enter the following information:

zonesigner path : Enter the zonesigner path that will be used for DNS. Zonesigner is required if dnssec-keygen and dnssec-signzone are not set.

Sign zones by ISC BIND Utilities: Select whether to use ISC BIND utilities to sign zones.

dnssec-dsfromkey path : Enter the dnssec-dsfromkey path that will be used for DNS. Required in all cases.

Additional Entropy

If delays occur due to lack of available entropy on servers, see the following article on how to set up additional entropy using haveged here:

<https://www.digitalocean.com/community/tutorials/how-to-setup-additional-entropy-for-cloud-servers-using-haveged>

DNS Dynamic Update Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Dynamic Update Timeout:

ex: 5

Timeout for DDNS (defaults to 5 seconds).

Increase SOA Zone Serial on update:

OFF

By default after Dynamic Update, the zone is queried and updates the serial from the server, if the option is enabled the serial is increased automatically.

Force TCP Update:

OFF

If enabled all DDNS requests will be over TCP.

Dynamic Update via nsupdate tool:

OFF

By default ProVision is using internal implementation for DNS Dynamic Update. You can switch the dynamic updates to use the "nsupdate" tool.

Enable DDNS Queue on failure

OFF

If enabled on DDNS error, a queue record will be automatically created.

Clear DDNS Failure Queue

Execute Clear

By clicking the button, the current failure queue will be cleaned.

Save Changes

Dynamic Update Timeout: Timeout for DDNS (the default is 5 seconds).

Increase SOA Zone Serial on update: Toggle to "On" if you wish the zone serial to be increased automatically.

Force TCP Update: If enabled all DDNS requests will be over TCP.

Dynamic Update via nsupdate: Toggle to "On" if you wish to use Dynamic Updates via nsupdate, instead of ProVision's internal implementation.

Enable DDNS Queue on failure: Toggle to "On" if you wish to enable the automatic creation of a queue record on DDNS error.

Clear DDNS Failure Queue: Clears the current DDNS failure queue.

DNS Backup Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Records Limit:

ex: 100

If the records count of a zone exceed the limit above, the zone backups on push will be omitted..

Save Changes

Records Limit : The limit for the number of records a zone may have for a zone to process a backup. If the records count exceed this number, zone backups will be omitted at zone push.

DNS Import Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Keep Import File:

☐ OFF

If enabled it will keep the zone import file inside the zone.

Save Changes

Keep Import File: Toggle to "on" if you wish to retain the zone import file inside the zone.

DNS Push Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Continue Push on Error

☐ OFF

If enabled, on push ProVision if there is an error with some of the servers, the push will continue with the rest of the servers.

Enable DNS Push Lock

☐ OFF

If enabled, on push ProVision will check whether there is an ongoing push. An error will be thrown unless Enable DNS Push Queue is also selected.

Enable DNS Push Queue

☐ OFF

If enabled on push ProVision won't throw an error, but will add the push to a queue. The "DNS Queue Push" task must be created in the scheduler tab to run at the desired interval for the queue to be executed. [\[Click here to create or update this task in the Scheduler Tab\]](#).

Enable Lock on Dynamic Updates

☐ OFF

If enabled on DDNS operation, ProVision will lock the servers for a regular push.

Maximum timeout for Pre/Post command execution in seconds:

Clear Server Locks

Execute Clear

By clicking the button, it will clear the lock state of the servers. You can use this action in case of failure and a server is stuck in a locked state.

Clear Push Queue

Execute Clear

By clicking the button, clears the current push queue.

Save Changes

Continue Push on Error: If enabled, if there is an error on push with a subset of the servers, ProVision will continue to push the remaining non-erroring servers.

Enable DNS Push Lock: If enabled on push, ProVision will check if there is ongoing push and throw an error.

Enable DNS Push Queue: If enabled on push, ProVision won't throw an error, but will add the push to a queue. The queue will be executed by the Task Scheduler.

Enable Lock on Dynamic Updates: If enabled on DDNS operation, ProVision will lock the servers for a regular push.

Clear Servers Locks: Clears the lock state of the servers.

Clear Push Queue: Clears the current push queue.

DNS Cache Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Enable DNS Cache for Modules and Group

ON

If enabled on push ProVision will cache the Servers and Views in advance. It will improve push performance if you do not have many servers directly attached to the zones.

Enable DNS Cache for Zones per Group

ON

If enabled on push ProVision will cache the Zones Views Linkage. It will improve push performance if you have many zones.

Save Changes

Enable DNS Cache for Modules and Group: Toggle to "on" prior to push if you wish to cache the servers and views in advance.

Enable DNS Cache for Zones per Group: Toggle to "on" prior to push if you wish to cache the Zones Views Linkage.

DNS Server statistics

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Enable DNS Server statistics for snmp

OFF

If enabled it will gather information about zone pushes for each server managed by ProVision.

Save Changes

Enable DNS Server statistics for snmp: Toggle to "on" and it will gather information about zone pushes for each server.

Catalog Zone Settings

DNS Global Settings

DNSSEC Settings

Dynamic Updates

Backup Settings

Import Settings

Push Settings

DNS Cache Settings

DNS Server statistics

Catalog Zone Settings

Catalog Zone Metadata Default Values

The values below will be used to prefill the Metadata Values in the UI when you create a new ZONE record.

Masters List:

ex. 10.1.0.15 10.1.0.16

This is a default value for the Masters List Metadata on creating a new ZONE record

Allow Query List:

ex. 1:10.0.0.1/24

This is a default value for the Allow Query List Metadata on creating a new ZONE record

Allow Transfer List:

ex. 1:10.0.0.1/32 1:10.0.0.0/24

This is a default value for the Allow Transfer List Metadata on creating a new ZONE record

Save Changes

Masters List: The default value for the Masters List Metadata on creating a new zone record.

Allow Query List: The default value for the Allow Query List Metadata on creating a new zone record.

Allow Transfer List: The default value for the Allow Transfer List Metadata on creating a new zone record.

Additional Details:

For details on working with DNS, see the following areas:

- [DNS Tab](#)
- [DNS Administration](#)