Template:Networking rutos manual dns

The information in this page is updated in accordance with firmware version .

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Contents

- 1 Summary
- 2 General Settings
- 3 Advanced Settings

Summary

The **DNS** page is used to to set up how the device utilizes its own and other DNS servers.

This manual page provides an overview of the DNS windows in {{{name}}} devices.

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should **turn on "Advanced WebUI" mode**. You can do that by clicking the "Advanced" button, located at the top of the WebUI.

General Settings

The **General Settings** section is used to set up the main DNS parameters. Refer to the table below for information on each configuration field.

Field	Value	Description
Log queries	off | on; default: **off**	Write received DNS requests to syslog.
DNS forwardings	Hostname (domain name) | IP address (ip); default: **none**	List of DNS servers to forward requests to. See the dnsmasq -S option man page for syntax details.
Addresses	Hostname (domain name) | IP address (ip); default: **none**	List of IP addresses for queried domains. See the dnsmasq -A option man page for syntax details.
Rebind protection	off | on; default: **on**	Discards upstream RFC1918 responses. When enabled, the device will not resolve domain names for internal hosts.
Local Service Only	off | on; default: **off**	Limit DNS service to subnets interfaces on which we are serving DNS.

Listen Interfaces	network interface(s); default: **none**	Limit DHCP and DNS requests listening to these interfaces, and loopback. Leave empty to listen on all interfaces.
Exclude Interfaces	network interface(s); default: **none**	Prevent DHCP and DNS requests listening on these interfaces. Leave empty to listen on all interfaces.

Advanced Settings

The **Advanced Settings** section is used to set up some of the more specific DNS parameters. Refer to the table below for information on each configuration field.

Field	Value	Description
Filter private	off | on; default: **on**	Do not forward reverse lookups for local networks.
Localise queries	off | on; default: **on**	Localise hostname depending on the requesting subnet if multiple IPs are available.
Additional servers file	text file; default: **none**	Uploads an additional DNS servers file. This file may contain lines like 'server=/domain/1.2.3.4' or 'server=1.2.3.4' for domain-specific or full upstream DNS servers.
Size of DNS query cache	integer [0..10000]; default: **none**	Number of cached DNS entries (max is 10000, 0 is no caching).

[[Category:{{{name}}} Network section]]