Template:Networking rutos manual ip settings

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

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Contents

Network configuration

This section provides information on **network interface configuration**. There are three main modes of interface configuration:

Interface setup: Mode Static

The **static** protocol uses a predefined manual configuration instead of obtaining parameters automatically via a DHCP lease.

Field	Value	Description
IPv4 address	ip4; default[for LAN]: **192.168.1.3**	The IPv4 address interface of this interface. An IP address identifies a device on a network and allows it to communicate with other devices.
IPv4 netmask	netmask; default[for LAN]: **255.255.255.0**	The IPv4 netmask of this interface. A **netmask** is used to define how "large" a network is by specifying which part of the IP address denotes the network and which part denotes a device.
IPv4 gateway	ip4; default: **none**	The IPv4 gateway address used by this interface. An interface's default gateway is the default address through which all outgoing traffic is directed.
IPv6 address	ip6; default: **none**	The IPv6 address interface of this interface. An IP address identifies a device on a network and allows it to communicate with other devices.

| IPv6 gateway | ip6; default: **none** | The IPv6 gateway address used by this interface. An interface's default gateway is the default address through which all outgoing traffic is directed. |
| DNS servers | ip4; default: **none** | DNS server addresses that this interface will use. If left empty, DNS servers are assigned automatically. To see what DNS servers are currently used, you can check the contents of the */tmp/resolv.conf.auto* file. |

Interface setup: Mode DHCP

The **DHCP** protocol is used to set up an interface which obtains its configuration parameters automatically via a DHCP lease.

Interface setup: Mode Static + DHCP

The **Static + DHCP** protocols are used simultaneously to obtain configuration parameters manually and automatically.

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