Template:Networking rutos manual devices

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

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Contents

VXLAN

Virtual Extensible LAN is a tunneling interface protocol (VXLAN), which allows VXLAN layer 2 virtualization over layer 3 network. VXLAN establishes a logical tunnel between the source and destination network devices, through which it uses MAC-in-UDP encapsulation for packets. In addition, it helps customer sites to configure layer2 VPN.

Note: VXLAN is additional software that can be installed from the **System → [[{{{name}}} Package Manager|Package Manager]]** page.

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.

Device configuration

The Device configuration section is used to set up VXLAN devices.

To add a new device - select 'VXLAN' and click 'Add' button:

After clicking 'Add' you will be redirected to the newly added VXLAN device configuration page.

Configuration

Field	Value	Description
Name	string; default: **vxlan1**	Name of the device.

MAC address	mac; default: **empty**	Override MAC address of the device. If not set, the device's MAC address will be used.
MTU	integer [98..9000]; default: **empty**	Sets the maximum transmission unit (MTU) size. It is the largest size of a protocol data unit (PDU) that can be transmitted in a single network layer transaction.
VNI	integer [1..16777215]; default: **1**	VXLAN network identifier.
PORT	integer [1..65535]; default: **4789**	VXLAN network identifier.
Local address	ip; default: **none**	Sets the local source IP address for VXLAN tunneling.
Remote address	ip; default: **none**	Specifies the multicast group or remote IP address used for VXLAN tunneling.
Ageing	integer [1..4294967295]; default: **empty**	Specifies the lifetime in seconds of FDB entries learnt by the kernel.
Max FDB entries	integer [1..4294967295]; default: **empty**	Specifies the maximum number of FDB entries.
IPv4 checksum	off | on; default: **off**	Specifies if UDP checksum is calculated for transmitted packets over IPv4.
Learning	off | on; default: **off**	Enables or disables MAC learning for VXLAN.
Proxy	off | on; default: **off**	Enables or disables ARP proxy for VXLAN.
RSC	off | on; default: **off**	Specifies if route short circuit is turned on.
L2miss	off | on; default: **off**	Specifies if netlink LLADDR miss notifications are generated.
L3miss	off | on; default: **off**	Specifies if netlink IP ADDR miss notifications are generated.
IPv6 TX checksum	off | on; default: **off**	Enables or disables UDP checksum calculation for transmitted packets over IPv6.
IPv6 RX checksum	off | on; default: **off**	Allow incoming UDP packets over IPv6 with zero checksum field.

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