

Isolando as Portas do Switch OverTek OT-2208SIW/UX para Encaminhar Somente Pacotes com TAGs

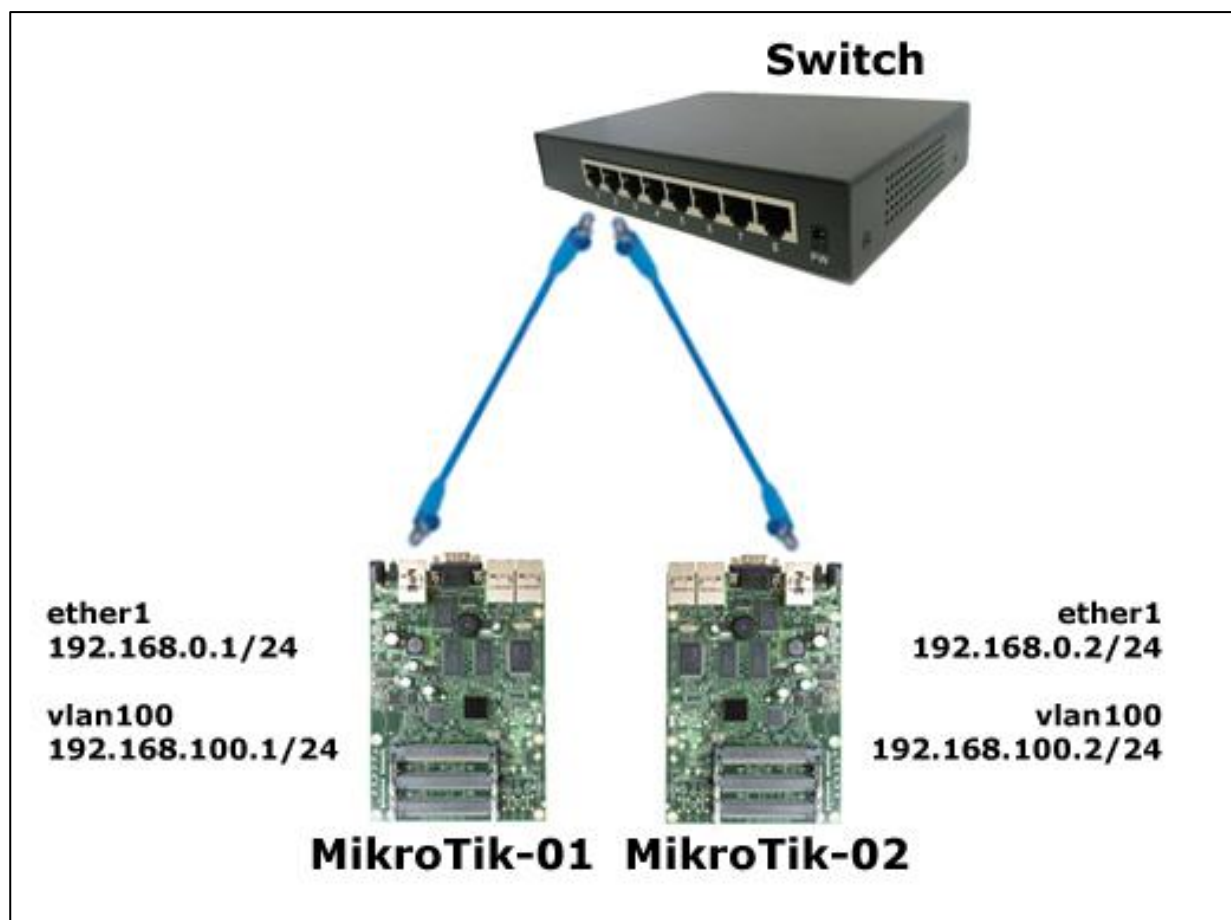
DESCRIÇÃO

Ao habilitar o Switch OverTek OT-2208SIW/UX para encaminhar pacotes com determinados TAGs, o Switch ainda encaminha pacotes sem TAGs (untagged).

Este tutorial irá demonstrar como isolar as portas do Switch em PVIDs (Port VLAN IDs), não permitindo que pacotes sem TAGs sejam encaminhados.

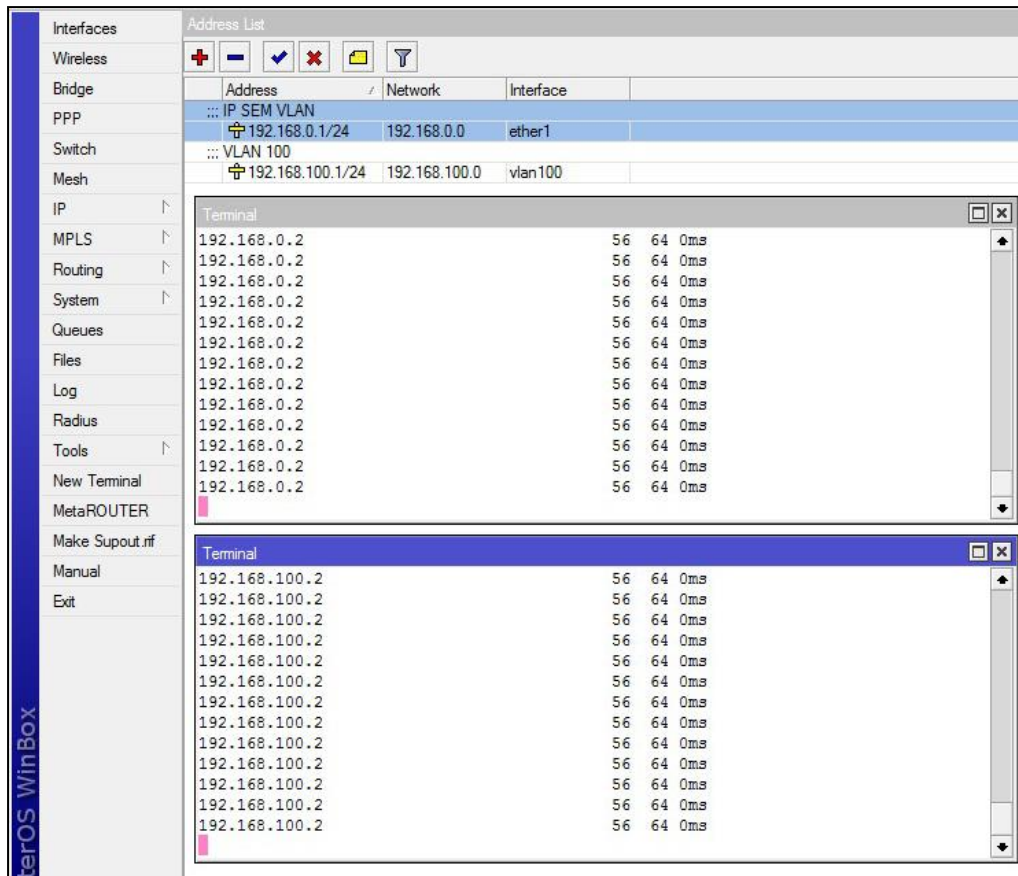
CENÁRIO

O cenário conforme demonstrado na imagem abaixo, possui um Switch OverTek OT-2208SIW/UX e dois roteadores MikroTiks. O MikroTik-01 está ligado a 'Porta 1' do Switch. O MikroTik-02 está ligado a 'Porta 2' do Switch.

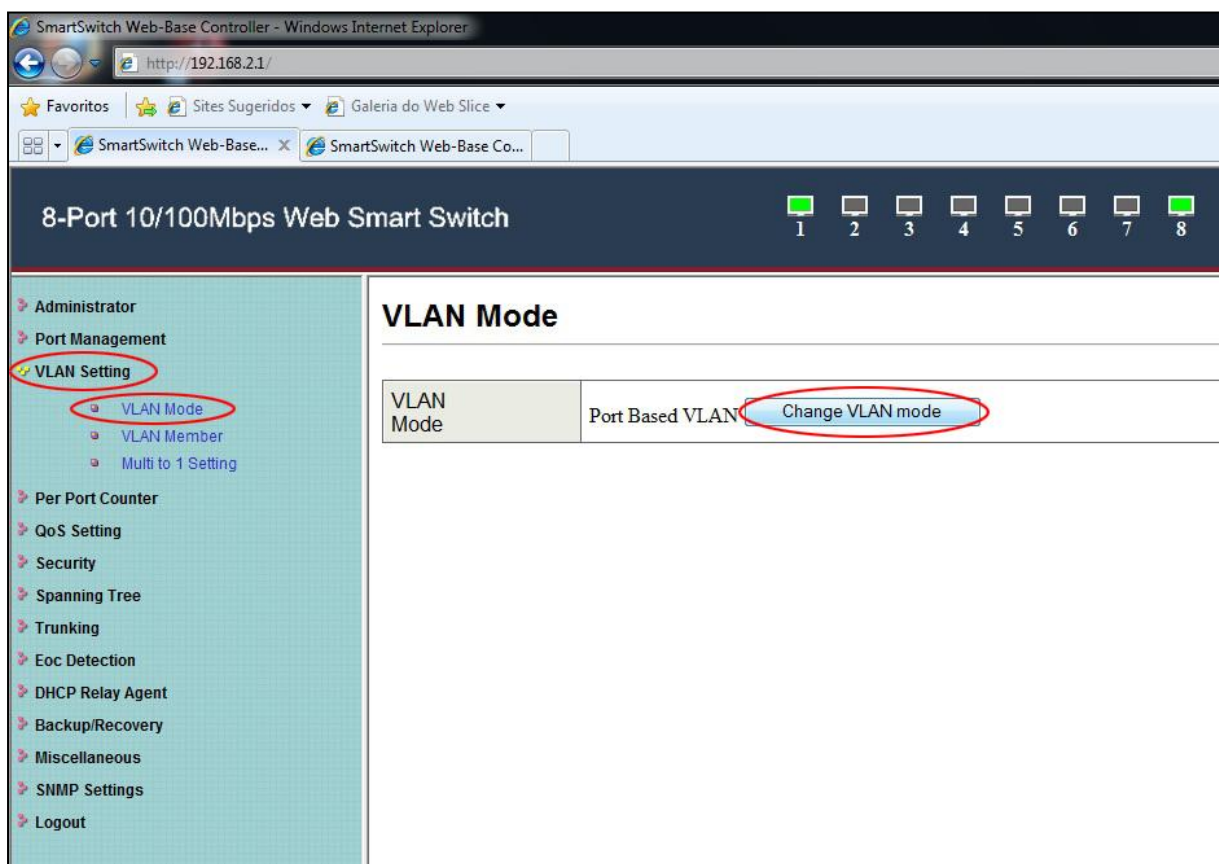


PASSOS

A figura abaixo apresenta o MikroTik pingando por uma rede sem qualquer VLAN (192.168.0.0/24) e pela VLAN 100 (192.168.100.0/24):



Em seguida, vamos alterar o modo de VLAN do Switch, para 'VLAN Mode':



Após essa mudança, observe que a VLAN 100 automaticamente para de ser encaminhada entre os switches e para de responder a pings:

The screenshot shows a network device configuration interface. On the left, a sidebar lists various configuration categories like Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Make Supout.rf, Manual, and Exit. The main area is divided into two terminal windows. The top terminal window shows a list of IP addresses (192.168.0.2) and their corresponding status (56 64 0ms). The bottom terminal window shows a list of IP addresses (192.168.100.2) and their status (56 64 0ms), with the word 'timeout' appearing repeatedly. On the right, an 'Address List' window is open, displaying a table with columns for Address, Network, and Interface. It shows two entries: one for IP SEM VLAN (192.168.0.1/24) on interface ether1, and another for VLAN 100 (192.168.100.1) on interface vlan100.

O próximo passo será isolar a 'Porta 1'. Para isso, crie o VID 1 (pode ser qualquer outro, usaremos 1 para facilitar a compreensão). Depois marque o 'VLAN Member Port 01', e 'VID Source port 01'.

The screenshot shows the SmartSwitch Web-Base Controller interface in a browser window. The page title is '8-Port 10/100Mbps Web Smart Switch'. The left sidebar contains a navigation menu with options like Administrator, Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, Trunking, Eoc Detection, DHCP Relay Agent, Backup/Recovery, Miscellaneous, SNMP Settings, and Logout. The main content area is titled 'VLAN Member Setting (Tag Based)'. It features a form for adding a new VID entry, with 'VID: 1' and an 'Add' button circled in red. Below this, there are instructions for adding and updating entries. A table for 'VLAN Member Port' shows port 01 selected with a checked checkbox, also circled in red. Another table for 'VID Source port' shows port 01 selected with a checked checkbox, also circled in red. At the bottom, a 'Port VID Map' table shows the mapping for ports 01 through 08, with all VID values currently set to '---'.

A próxima imagem apresenta o resultado da configuração, o ping untagged não responde mais, e o ping com TAG 100, voltou a responder:

The screenshot shows the SmartSwitch Web-Base Controller interface in a browser window. The page title is "8-Port 10/100Mbps Web Smart Switch". The browser address bar shows "http://192.168.2.1/". The interface includes a navigation menu on the left with categories like Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Make Supout.tif, Manual, and Exit.

Two terminal windows are open. The top terminal shows a series of "192.168.0.2" addresses followed by "timeout" responses. The bottom terminal shows a series of "192.168.100.2" addresses followed by "56 64 0ms" responses.

An "Address List" window is also open, displaying a table with columns for Address, Network, and Interface. The table contains the following entries:

Address	Network	Interface
::: IP SEM VLAN		
+ 192.168.0.1/24	192.168.0.0	ether1
::: VLAN 100		
+ 192.168.100.1/24	192.168.100.0	vlan100