IPTV and external network access share the same switch



Overview

Setting IPTV with switch You should use router's LAN port 5 for IPTV directly and connect the switch to any other router LAN port to use internet connectio.

Key Takeaways

IPTV and internet traffic can share the same switch by using VLANs and proper multicast configuration to segregate traffic while maintaining connectivity for all devices.

VLAN Segregation

To run IPTV and internet on the same switch, you should assign separate VLANs for each service. For example, the internet VLAN might be ID 51 and the IPTV VLAN ID 67. Configure the switch ports connected to IPTV devices as access ports on the IPTV VLAN, while ports for PCs, consoles, or other internet devices remain on the internet VLAN.

The port connecting the switch to the router should be set as a trunk port, allowing both VLANs to pass through.

Multicast and IGM

P SnoopingIPTV typically uses multicast traffic, which can flood the network if not managed.

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Enable IGM

P snooping on all switches to ensure multicast streams are only sent to ports with IPTV devices. If you have a core switch, configure it as the IGMP querier to manage multicast efficiently.

Ensure the IPT

V server and all client devices support the same IGMP version (commonly IGMPv2),.

Router and Switch Configuration

Router: Configure the IPTV VLAN on the router's LAN interface and ensure it is bridged to the switch trunk port.

Internet VLA

N should remain on the standard LAN interface. Switch: Set the uplink port to the router as a trunk allowing both VLANs.

Assign IPT

V ports to the IPTV VLAN and internet ports to the internet VLAN. Managed switches may also allow QoS to prioritize IPTV traffic. Access Points: If using Wi-Fi, configure virtual SSIDs mapped to the respective VLANs to maintain separation over wireless networks.

Practical Considerations

Ensure the switch has sufficient bandwidth to handle IPTV streams; multicast traffic can saturate a 100 Mbps port if multiple channels are streamed simultaneously. Avoid connecting IPTV and internet devices to the same access port; VLAN separation is key. If using multiple switches, configure trunk links between them to carry both VLANs and maintain IGMP snooping across the network.

By following VLAN segregation, IGMP snooping, and trunk configuration, you can run IPTV and internet on the same switch without interference, ensuring smooth streaming and reliable internet access.

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Article Content

Setting IPTV with switch

You should use router''s LAN port 5 for IPTV directly and connect the switch to any other router LAN port to use internet connection. If this was helpful click on the arrow pointing upward to

multicast

The MikroTik AP is configured correctly to forward all IPTV traffic, as can be seen when adding the second Ethernet interface to the IPTV bridge and connecting the IPTV receiver directly

Setting IPTV with switch

I''ve entered VLAN IDs as in your description (1,2,3) and works fine, so it means, at least for TP-Link, those are separate VLANs, one is external, from ISP and second is internal to create trunk.

Solved: IP Multicast on LAN for IPTV

In same way I have 3 encoders connected to Cisco Switch and also Samsung hotel TV connected to the same switch. I have assigned same IP''s for all channel but the port for all channel is

IPTV and Internet on the same Ethernet Cable

Literally any managed switch will work. It''s unlikely the Asus can accept Internet traffic on a tagged VLAN, but you can set up the switch to strip the tag.

Joining LAN and IPTV over the same cable to be splitted by my

How could I manage to send IPTV and internet over the same cable to my router, and then my router would split them to the others IPTV boxes? would I need something like a managed switch, and in

Network Switch Sharing: Can Two Networks Use the Same Switch?

Since multiple networks are sharing the same physical switch, there is a risk of unauthorized access or data breach between networks. For example, if one network is compromised,

VLANs+iptv config on 2 devices

Hello there. I have 2 service from my ISP: Internet and IPTV. Internet come to Bridge ONT on PPoE vlan 10 and IPTV come on vlan 20. I trunk it from ISP ONT to my AX3200 and then to

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IPTV multicast between VLANs

After deep looking the network and investigating I found the client uses one streamer from another 2960 switch and he wants to add another Linux centos streamer from and both

Having both IPTV and Internet through the same LAN

In the living room I have both my computer and IPTV box (which requires ethernet cable). My router is in the other room and I have only one ethernet cable running out of the wall.

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Android devices are the most convenient source for installing and accessing IPTV. When compared to other devices, Android has the most compatible IPTV apps to install. Since there are

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networking

Is there a way to enable both internet and IPTV on my Android TV using the same Ethernet connection? If not, is there a workaround to make the TV use Wi-Fi for internet while

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Continue your research online:

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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