

Can different networks be connected to a single switch

Preview

Network switch sharing refers to the practice of allowing multiple networks to share the same network switch. A network switch is a device that connects multiple devices within a network, allowing them to communicate with each other. Switches operate at the data link layer (Layer 2) of the OSI model, examining incoming data packets and forwarding them to the intended recipient. Switches can be broadly. When a single switch cannot meet the network's growing demands (such as an insufficient number of ports or certain functional limitations), we typically combine multiple Ethernet switches. 1Q Encap on Ethernet to separate traffic at or going via switches. I want to show that I've understood redundancy so I made two connections from different switches to the same router, so if one switch fails, the network still. I want to connect two routers to a switch which will then be connected to a modem. Is there any. In my organization, we have 2 networks.

You can connect Network A to a network switch, and Network B to a network switch. Then connect each switch to a Central Router

How can they if they are on 2 logically different networks? Whether they are connected through a switch, hub, or

Is it possible to have multiple subnets sharing a single switch (without VLANs or routers)? If so, what would happen?

That what VLANs are for. VLANs partition a physical switch (or a switching structure) into multiple, virtual switches.

Yes, that is possible. You create 2 vlans on the switch. Lets say you create vlan 100 and 200, then add port,lets say 10 to vlan 100

At home I have the following setup - a tp-link switch modem connected to the internet and 2 routers (both AX53 3000),

Are they really 2 different network. So the traffic from 1 set of devices you do not want connected to the traffic from the

From a technical standpoint there isn't much to stop a network administrator from having two IP networks on a single L2 broadcast

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The switch is configured so that LAN-ports belong to either vlan 1 or vlan 2 depending on what is connected to those

The answer really depends on the capabilities of your switches. If you have a single managed switch that can be configured with

As you can see, each method has its own advantages and disadvantages. Therefore, the best way to connect multiple

Now my main problem is, can I create those five different subnets on the same switch? It's something I could do in real life or I need

You can connect two routers to a switch provided you are leasing 2 public static IP addresses from your ISP. I presume your two

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A network switch connects devices within a network (often a local area network, or LAN *) and forwards data packets to and from

In switches intended for commercial use, built-in or modular interfaces make it possible to connect different types of networks,

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