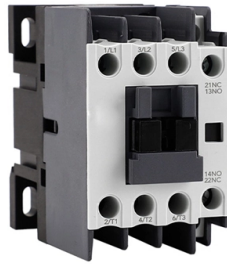


# IPs from different network segments connected to the same switch



## Overview

To forward packets between VLANs, you normally need a router that connects the VLANs. (These interfaces are also called routed VLAN. Is it possible to communicate between two different network segments within a single vlan?

Both devices on VLAN1, untagged. 33/24 via layer two communication. Is this possible?

Just to clarify a bit further, I don't think this would be advisable, but would. networking - What are the implications of having two subnets on the same switch?

- Server Fault What are the implications of having two subnets on the same switch?

Can anyone tell me what some of the implications of having two different subnets on the same switch would be if VLANs are not being. This is done with Vlans and 802. 1Q Encap on Ethernet to separate traffic at or going via switches. Has the switch some logging capability?

If yes, than you should see duplicate IP address warnings, as you have used. In modern networking, Virtual Local Area Networks (VLANs) play a crucial role in segmenting networks to improve performance, enhance security, and simplify management.

## Article Content

Integrated Routing and Bridging | Junos OS | Juniper Networks

To forward packets between VLANs, you normally need a router that connects the VLANs. However, you can accomplish this forwarding on a switch without using a router by configuring an integrated ...

Can switches interconnect different network segments? (with ...

To sum up, Layer 2 switches need to be paired with routers to realize the purpose of interconnection between different network segments, while Layer 3 switches do not need to build ...

Why Devices on Different VLANs but on the Same Subnet Can

A common confusion arises when devices are on different VLANs but share the same IP subnet: they can't communicate with each other. Learn why that is so and how to solve it.

Can Switches Interconnect Different Network Segments? (With ...

Layer 2 switches work at the data link layer and forward data frames based on MAC addresses, and they must use routers to realize the interconnection between different network ...

Do VLANS need different IPs on each switch?

I assumed that all VLANs needed IPs, since they're part of a specific network. When I read that each VLAN had to be created on each switch that you wished to use for trunking, I then ...

Two or more then two different network on single switch.

Depending on the scenario you have, there are Layer 2 (switch) and 3 (routers) devices.

What are the implications of having two subnets on the same switch?

Two hosts, each configured with a single IP address assigned, and each in different subnets, will not make ARP requests for the other's IP address.

Two hosts of different subnets connected to switch

Two host of different subnets, let it be A - 10.1.2.1/24 and B - 10.1.3.1/24 be connect to the same switch S. Can they communicate? So as far I understand: A sends a packets with IP of B S ...

L2 communication between different network segments

To make things even more complex, they could have a third set of IP addresses, say 10.255.255.0/24, that is shared among them. Within that subnet, L2 is possible.

Can Switches Interconnect Different Network ...

Layer 2 switches work at the data link layer and forward data frames based on MAC addresses, and they must use routers to realize the ...

Fix Network Segmentation Problems: Step-by-Step Guide

Troubleshoot and resolve subnet issues causing network segmentation problems. Follow this guide to reconfigure IP ranges

## Contact Us

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