

No network access at aggregation switch port



Article Overview

No network access at an aggregation switch port is often caused by misconfigured aggregation settings, VLAN mismatches, or protocol inconsistencies such as LACP negotiation failures.

Common Causes

1. **Aggregation Protocol Mismatch** If the port is part of a dynamic Link Aggregation Group (LAG) using LACP, both ends of the link must support and be configured for LACP. A mismatch between active and passive modes, or one end configured for static aggregation while the other expects LACP, can prevent connectivity . 2. **VLAN Configuration Issues** All ports in an aggregation group must have consistent VLAN settings. This includes the port VLAN ID (PVID) and permitted VLANs on trunk or hybrid ports. A mismatch can block traffic even if the physical link is up . 3. **Port Attributes Mismatch** Speed, duplex mode, and link type must be identical across all aggregated ports. Only full duplex is supported in most aggregation setups. Differences in these settings can cause the aggregation to fail or drop traffic . 4. **Physical Layer Problems** Faulty cables, SFP modules, or incompatible port types (e.g., mixing copper and fiber without proper configuration) can prevent the aggregation from functioning . 5. **Device Compatibility** Some switches or gateways do not support aggregation on certain ports. For example, certain UniFi switches and gateways cannot form LAGs with unsupported devices, which can result in no network access .

Troubleshooting Steps

Article Content

Switch Ports

Meraki's MS switches allow for the configuration of a single port to thousands of ports through our industry-first Virtual

Port Aggregation: Boosting Throughput and Redundancy in Enterprise Networks

Final Thoughts: Is Port Aggregation Right for You? Port aggregation offers significant benefits for enterprise networks,

Switch Port Aggregation Mismatch: Why Inconsistent Configurations ...

Switch aggregation mismatches are like ill-fitted gears—they grind networks to a halt through accumulated friction. As proven by the

Link aggregation

Link aggregation Link aggregation between a switch and a server In computer networking, link aggregation is the combining

Link Aggregation and Ethernet Bonding Feature Overview and ...

Link aggregation interfaces have names like "po1" and "sa1" depending on the aggregation method in use. Ethernet bonding is used to

Aggregation of Ports doesn't work AND breaks the controller UI?

Ports have to be sequential to bond on ubnt i.e. 3,4 not 3,5. Also, programming has to match for lacp on the device side. Unplug one

How do I set up LAN Ethernet port aggregation on my NETGEAR

Click Apply. Set up Ethernet port aggregation on your client device. Important: Do not connect the devices to each other

Port Aggregation Configurations

To allow port aggregation, the basic configuration on all the ports must be consistent. The following list details the basic configuration

Port Aggregation FAQs

Port aggregation can increase maximum throughput, and allow for network redundancy. It does this by splitting traffic across multiple

Contact Us

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