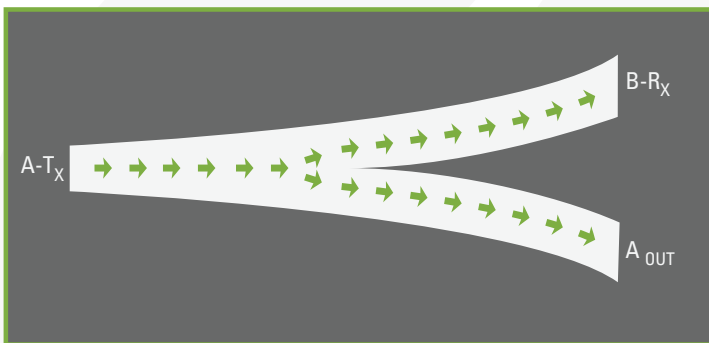


I just connected my end nodes (typically a switch and a router) to an optical tap. The end nodes are successfully communicating but when I make a logical connection, map or pass-all in the GigaVUE, no frames are coming out of the tool ports. Why is that happening?

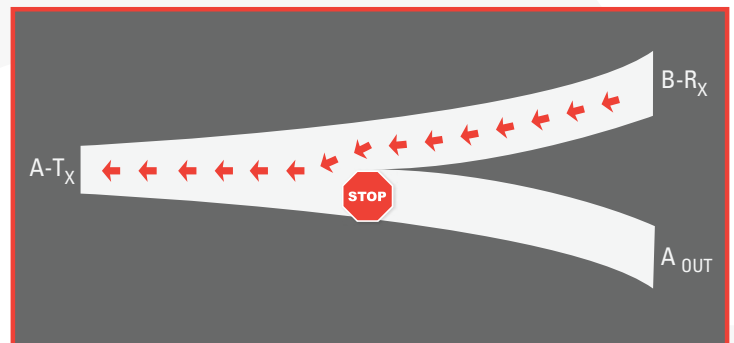
**Answer:** The most common reason for this symptom is that the transmit (Tx) and receive (Rx) fibers are reversed on both the switch and router. If this is the case the **show port-params** command will indicate extremely low or no light coming into the interface. The **show-port-stats** command may also indicate IfInErrors are occurring. You should execute those commands to verify this is the case. To understand why this is happening look at the diagrams below.

Diagram A



In **Diagram A**, the switch and router Tx and Rx fibers are connected correctly. The end nodes both see light passed through successfully to each other. The light is travelling in the **same** direction as the splitter, so a percentage of the light is successfully split off and sent into the GigaVUE.

Diagram B



In **Diagram B**, the switch and router Tx and RX fibers are connected incorrectly. The end nodes both see light passed through successfully to each other. The light is travelling in the **opposite** direction as the splitter, so very little or none of the light is successfully split off and sent into the GigaVUE.

The solution is to reverse the physical connections of the Tx and Rx leads on both the end nodes.

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