Quick Connect Guide
NETSCOUT 10/100/1000 Base-T Copper TAPs

This guide outlines how to install an NETSCOUT 10/100/1000 Base-T Ethernet Copper TAP and connect it to your network. For more detailed information, refer to the *NETSCOUT TAP Connection Guide*.

Important: This documentation is available on the My.NETSCOUT.com web site (https://my.netscout.com/mcp/AddlDocs/Pages/Technical-Documentation.aspx).

⚠ **Caution:** Before you make any power supply connections, read all safety warnings and installation instructions in the *Compliance and Safety Warnings for NETSCOUT Hardware Products* document available on the My.NETSCOUT.com site at: https://my.netscout.com/mcp/AddlDocs/Pages/Technical-Documentation.aspx.
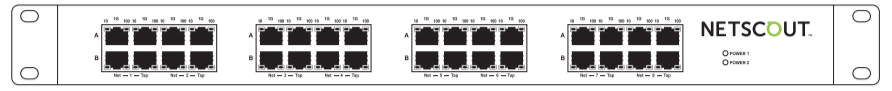
Ethernet Copper TAP Types

1U TAPs
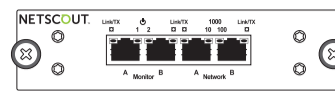
Single-Link AC and DC Front
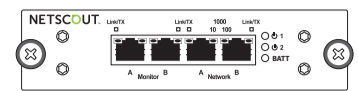
Single-Link with Battery Backup Front

Eight-Link TAP (C8) Front

Setup and Initialization
Use the following steps and illustrations to rackmount and connect your NETSCOUT TAP.

Before You Begin

- **Rackmounting the TAP** - You can mount up to three single-link 10/100/1000 Base-T Copper TAPs into a standard 19-inch equipment rack or server closet using the optional rackmount adapter that contains a shelf that can hold up to six TAP power supplies (NETSCOUT part number 321-1519). The Eight-Link (C8) TAP connects directly to the equipment rack.

- **TAP Power -** Before connecting links and monitor device connections to your NETSCOUT TAP, ensure the TAP is powered on. Also, to maintain power supply redundancy, it is best to connect your TAP power supplies to outlets on different circuits.

- **Other Information** - Make sure you have a 10/100/1000 Base-T TAP for each full-duplex Ethernet segment that you want to monitor. Also, make sure you set the probe mode to full or mixed duplex on the InfiniStream appliances you plan to connect. For more information on the Agent Configuration Utility **probe_mode** command, refer to the *Agent Administrator Guide for CDM/ASI*.
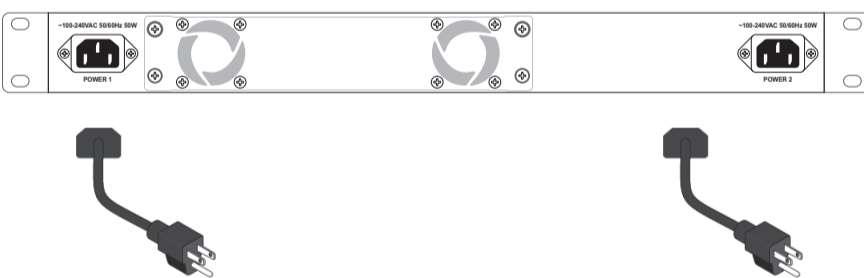
Step 1a: Connecting AC Power to a Single-Link TAP

1. Locate the two power supplies and two AC power cords shipped with the TAP.
2. Connect the plug of the power supply cord into one of the two power ports (labeled POWER1 and POWER2) on the rear of the TAP.
3. Connect the female outlet of the power cord into the recessed male outlet on the power supply.
4. Connect the three-prong male outlet on the power cord into an electrical outlet (power source).
5. For redundant power, repeat steps **2** through **5** using the second power supply and cords. Connect each power supply to a different circuit to prevent power loss to the TAP should one supply lose power.


Power supply
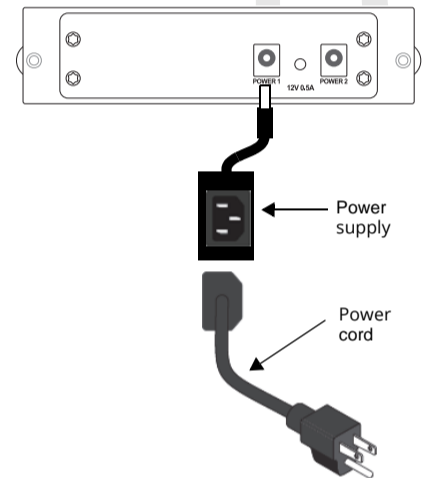
Power cord

Step 1b: Connecting AC Power to an Eight-Link TAP

1. Locate the two power cords shipped with the TAP.
2. Connect the plug of the power cord into one of the two power ports on the rear of the TAP.
3. Connect the three-prong male outlet of the power cord into an electrical outlet (100-240 volts AC and 50/60 Hz).
4. For redundant power, repeat steps 2 and 3 using the second cord. Connect each power supply into a different circuit to prevent power loss to the TAP should one power supply lose power.

Step 1c: Connecting DC Power to a Single-Link TAP

1. Ensure the DC terminal blocks are plugged into the TAP (normally shipped already in place). Wires are inserted in the bottom of the terminal and secured by tightening the screws.
2. Connect the ground wire to the same ground connection as your InfiniStream appliance.
3. Connect the 0V wire to the V+ terminal on the terminal block.
4. Connect the -48V wire to the V- terminal on the terminal block.
5. For redundant power, repeat steps **1** and **2** using the second power supply and cables. Connect each power supply into a different circuit, if possible, to prevent power loss to the TAP should one power supply lose power.
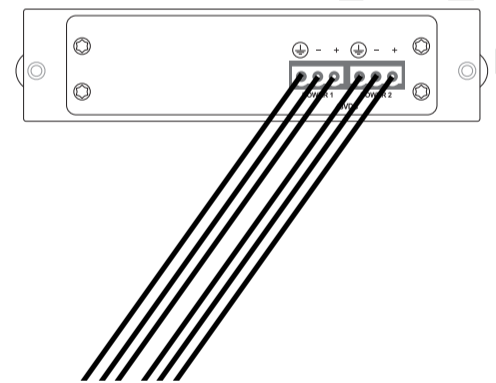

Step 2: Connecting the TAP to a Network Segment

1. Locate the cable(s) that currently connect one 10/100/1000 Base-T network switch/server/router to another network switch/server/router. Unplug the cable(s) from one of the two devices.
2. Plug the end of the cable (that you just unplugged) into the port labeled Net A on the TAP.
3. Locate an RJ45-to-RJ45 cable.
4. Plug one end of the RJ45-to-RJ45 cable into the second 10/100/1000 Base-T network device. Plug the other end of the cable into the port labeled Net B on the TAP. You need to connect a straight-through cable on one end of the TAP and either a straight through or crossover cable to the other end.

End Device 1	End Device 2	Cable Types
DTE	DCE	Straight Through and Straight Through
DCE	DTE	Straight Through and Straight Through
DCE	DCE	Straight Through and Crossover
DTE	DTE	Straight Through and Crossover

5. Check the network link status (the link may take up to 3 seconds to initialize) and do one of the following:
   a. If the link is active with no power going to the TAP, power up the TAP and continue with the next step.
   b. If the network link is not active with no power going to the TAP, you must connect a crossover (MDI-X) RJ-45 cable from Net B on the TAP to the network device. Once the link is active, power up the TAP and continue with the next step.

Single-Link TAP


Network Devices

Eight-Link TAP (C8)
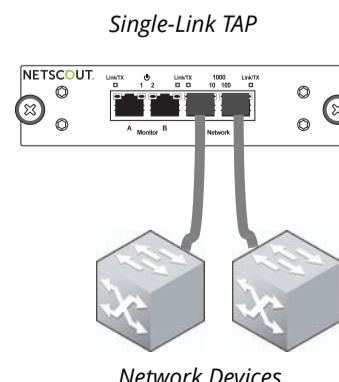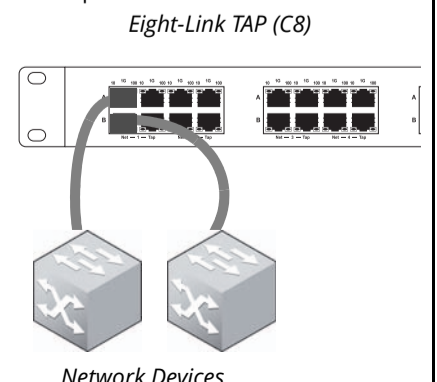
Network Devices

Step 3: Connecting the TAP to the Monitoring Device

To connect a 10/100/1000 Base-T Ethernet monitoring device interface to the TAP, do the following:

1 Locate two RJ45-to-RJ45 cables. Use straight-through cables; you do not need crossover cables for this installation.

2 Plug one end of an RJ45-to-RJ45 cable into the port labeled Tap A on the TAP.

3 Plug the other end of that RJ45-to-RJ45 cable into the appropriate interface on the monitoring device (such as an InfiniStream appliance).

4 Plug one end of another RJ45-to-RJ45 cable into the port labeled Tap B on the TAP.

5 Plug the other end of that RJ45-to-RJ45 cable into the appropriate interface on the monitoring device.

6 For eight-link TAPs, repeat steps 1-4 for each segment on which you wish to connect a TAP.

Single-Link TAP   *Eight-Link TAP (C8)*

*Monitoring Device
(InfiniStream appliance)*
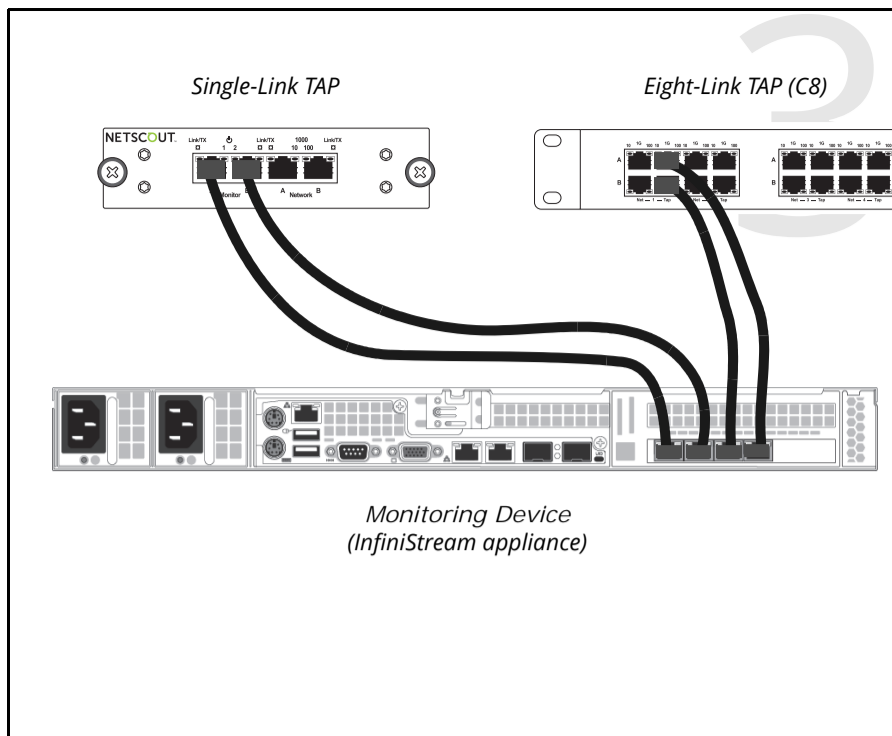
What's Next?

For more detailed information on TAP connections and troubleshooting, refer to the *NETSCOUT TAP Connection Guide*.

Contacting NETSCOUT SYSTEMS

Customer Support
The best way to contact Customer Support is to submit a Support Request:
https://my.netscout.com/mcp/Support/Pages/Home.aspx

Telephone: In the US, call **888-357-7667**; outside the US, call **+011 978-614-4000**.
Phone support hours are 8 a.m. to 8 p.m. Eastern Standard Time (EST).

E-mail: support@netscout.com
When you contact Customer Support, the following information can be helpful in diagnosing and solving problems:

— Type of network platform

— Software and firmware versions

— Appliance model number

— License number and your organization's name

— The text of any error messages

— Supporting screen images, logs, and error files, as appropriate

— A detailed description of the problem

Sales: Call 800-357-7666 for the sales office nearest your location.

Training and Online Learning: Education and training resources including course listings, product certification, webinars, and case studies are available at:

http://www.netscout.com/education/overview

User Forum: To join a customer-driven user group connecting the worldwide community of NETSCOUT users, visit the following website: www.netscoutuserforum.com

RoHS and WEEE: For compliance information on RoHS and WEEE, visit the NETSCOUT SYSTEMS, INC. website: http://www.netscout.com

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