

UDS Server Internet Service Setup

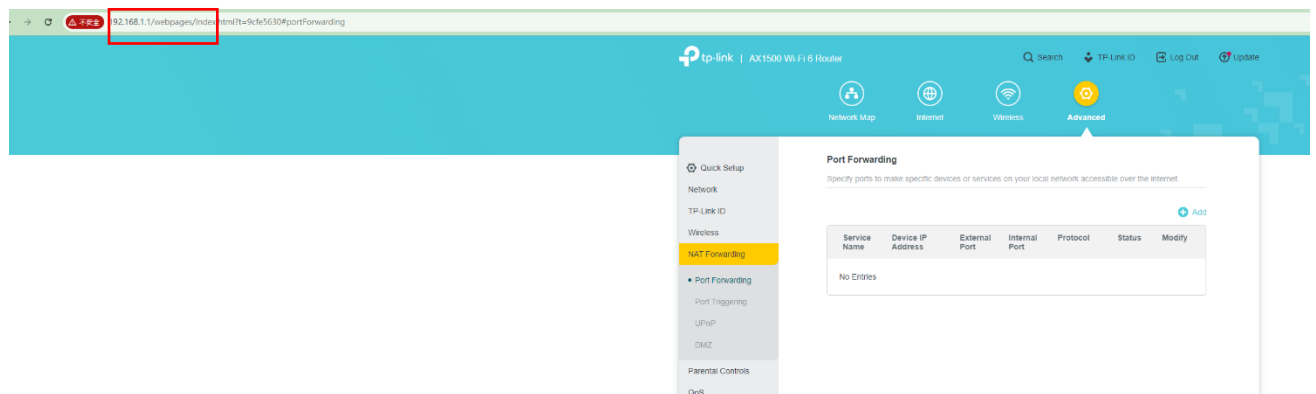
To configure your router along with a device server so that a client can access the server over the Internet, follow these steps:

1. Assign a Static IP Address to Your Device Server

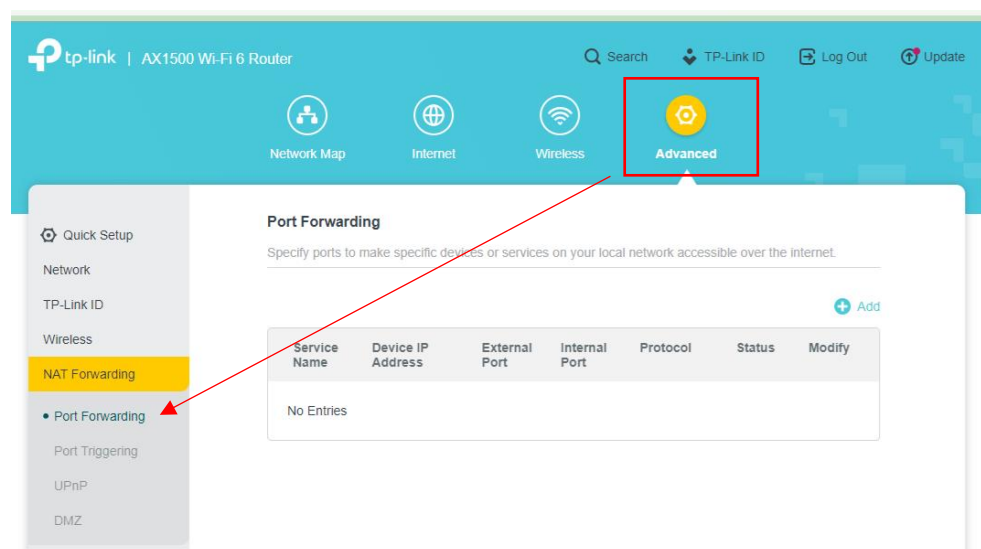
- Ensure that your device server (like an IoT device, server, or another networked device) has a static IP address within your local network. This prevents the device's IP address from changing, which is important for port forwarding.

2. Configure Port Forwarding on Your Router

- **Log in to your router's admin interface:** Usually accessible via a web browser by entering the router's IP address (e.g., 192.168.1.1).



- **Find the Port Forwarding section:** This might be under sections like "Advanced," "NAT," or "Virtual Server."



- **Create a Port Forwarding rule:**

- **Name:** Give the rule a name (e.g., "DeviceServer").
- **Internal IP Address:** Enter the static IP address of your device server.
- **Internal Port:** Enter the port number your device server is listening on :

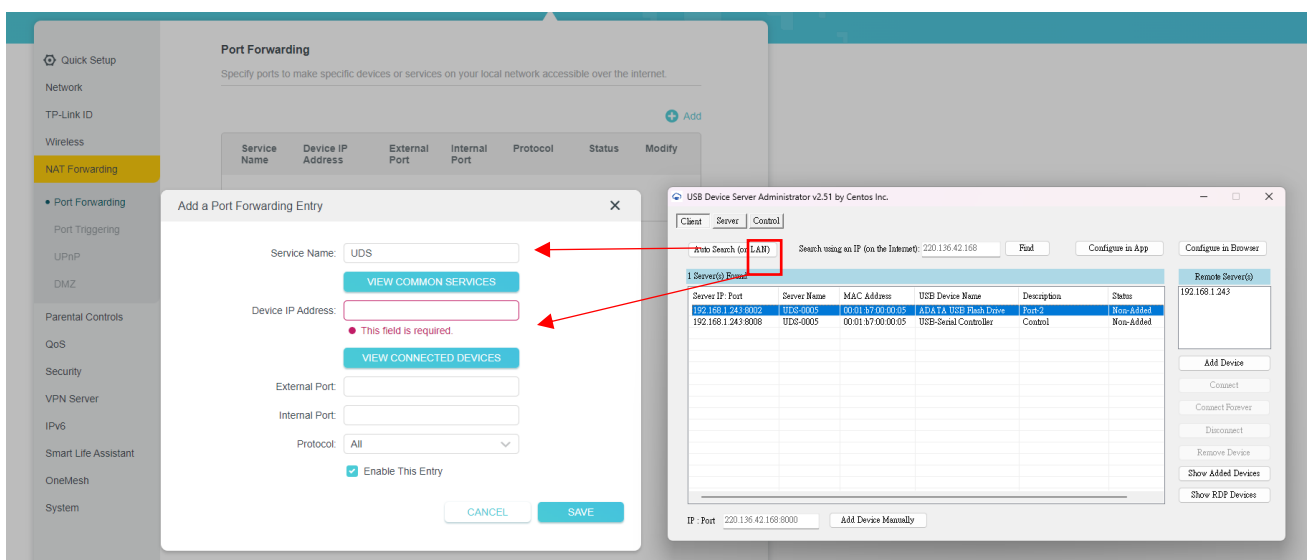
UDP 5474, 5475, 8801: Utilized for server and device discovery.

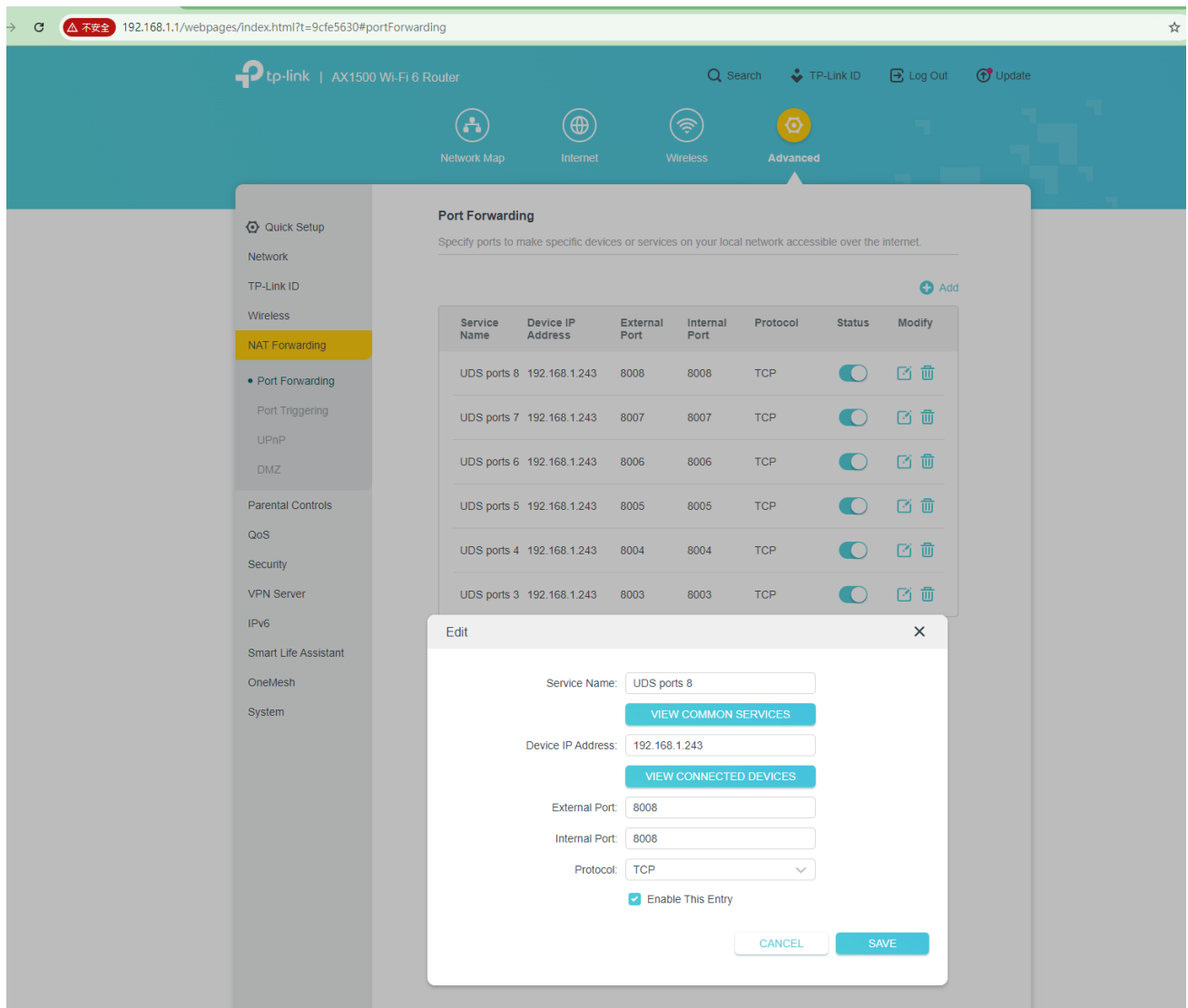
TCP 80, 443, 8802, 8803: Employed for server configuration purposes.

TCP 8000 ~ 8008: These ports are specifically assigned for accessing individual USB ports over a network or the Internet.

TCP 5473, 5475: Used for the management of shared devices.

- **External Port:** This can be the same as the internal port, or you can map it to a different external port.
- **Protocol:** Choose whether the connection uses TCP, UDP, or both.





- **Save the settings.**

3. Obtain Your Public IP Address

- **Check your router's WAN settings:** Some routers display the public IP address on the admin interface.
- **Alternatively, search online for "What is my IP"** to find your public IP address.

whatismyipaddress.com

WhatIs MyIPAddress .com

Enter Keywords or IP Address... **Q** Search

MY IP IP LOOKUP HIDE MY IP VPNS

My IP Address is:

IPv4: ? **203.0.113.1**

IPv6: ? **Not detected**

My IP Information:

ISP: Chunghwa Telecom Co. Ltd.
City: Taipei

Your location may be exposed!

HIDE MY IP ADDRESS NOW

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USB Device Server Administrator v2.52 by EXSYS Vertriebs GmbH

Client Server Control

Auto Search (on LAN) Search using an IP (on the Internet): **203.0.113.1** Find Configure in App Configure in Browser

2 Server(s) Found

Server IP: Port	Server Name	MAC Address	USB Device Name	Description	Status
192.168.5.95:8000	UDS-0007	00:01:b7:e0:00:07	Expansion HDD	Port-1	Disconnected
192.168.5.95:8002	UDS-0007	00:01:b7:e0:00:07	Elements 2621	Port-2	Non-Added
192.168.5.95:8006	UDS-0007	00:01:b7:e0:00:07	Mass Storage	Port-4	Non-Added
192.168.5.95:8008	UDS-0007	00:01:b7:e0:00:07	FT232R USB UART	Control	Non-Added
203.0.113.1:8002	UDS-0005	00:01:b7:00:00:05	ADATA USB Flash Drive	Port-2	Non-Added
203.0.113.1:8008	UDS-0005	00:01:b7:00:00:05	USB-Serial Controller	Control	Non-Added

Remote Server(s)

192.168.5.95
203.0.113.1

Add Device
Connect
Connect Forever
Disconnect
Remove Device
Show Added Devices
Show RDP Devices

IP: Port 220.136.42.168:8000 Add Device Manually

4. Configure Firewall Rules (If Necessary)

- Ensure that any firewalls on your router or device server are configured to allow incoming traffic on the port(s) you've forwarded.

Security Considerations

- **Change default passwords** for both your router and device server.
- **Consider using a VPN** to secure the connection between the client and the device server.
- **Use HTTPS** instead of HTTP for encrypted communication if your device server supports it.