Thecus®
Creator in Storage

How to publish your NAS on the internet

ThecusOS 6

2013/11

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❖ Overview

This guide will show you how to publish your NAS on the Internet, this allows you to access and configure your NAS files via the internet remotely.

❖ Before you start

• Checking your network environment

No matter whether you have a fixed or dynamic IP, we would recommend you connect your NAS to an IP router (see figure below).

❖ Making your Thecus NAS accessible via the Internet

To ensure that you can **remotely access** your NAS via the internet, please complete the following **3** steps.

1 Create a Thecus ID

2 Apply for a FREE DDNS

3 Connect to your Thecus NAS

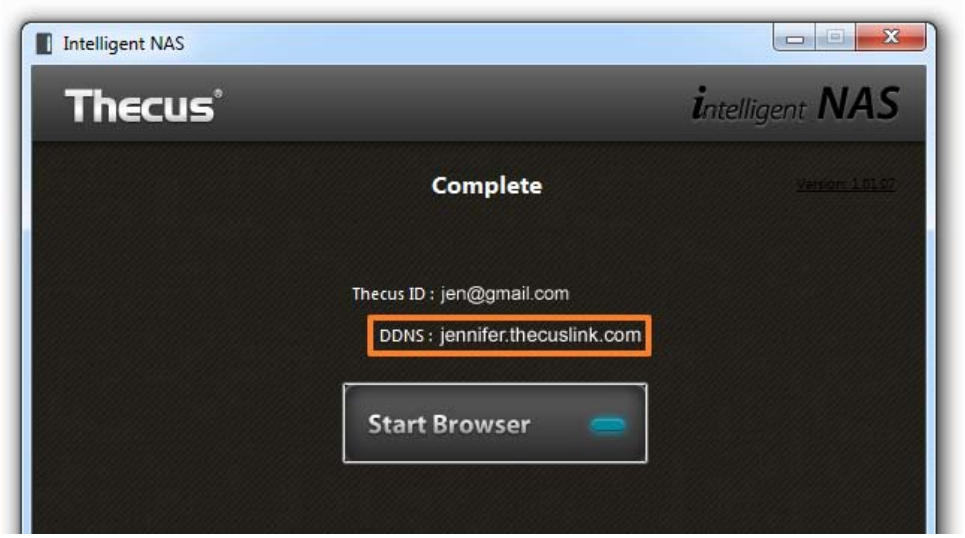
Step 1. Creating a Thecus ID

This requires the registration of an email account. Please see

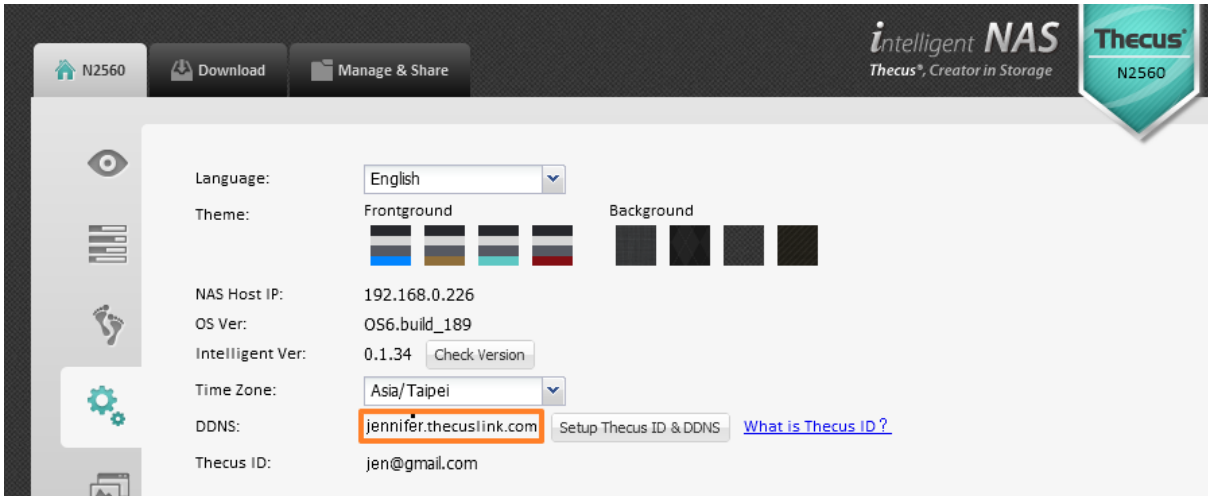
"Getting Started-Step 2. Create a Thecus ID".

Step 2. Applying for a FREE DDNS

Once you have created a Thecus ID, you will receive a FREE DDNS for your NAS. You can find your DDNS using the Intelligent NAS utility (Please see the screenshots below):



▲ N2310

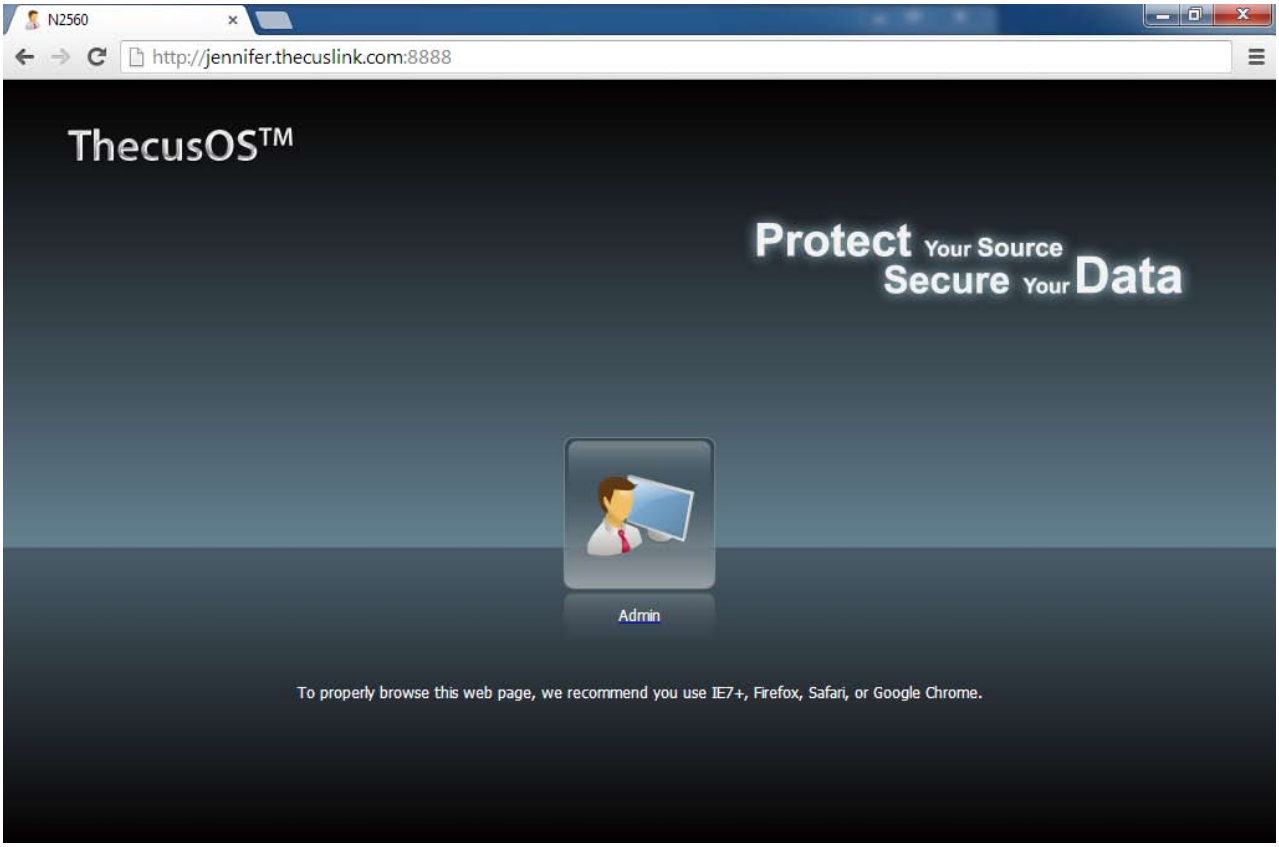


▲ N2520/N2560/N4520/N4560

Step 3. Connecting to your Theucs NAS with web browsers

After the steps above, you should be able to connect to the login page via the Internet using your NAS's public IP address or DDNS hostname:

e.g. http://192.168.1.2:8888 or http://jennifer.thecuslink.com:8888



If you are unable to, please consult the next section:

❖ Failing to access services on your Thecus NAS via the Internet

The following steps help to ensure that your settings correct:

Step 1. Checking your router

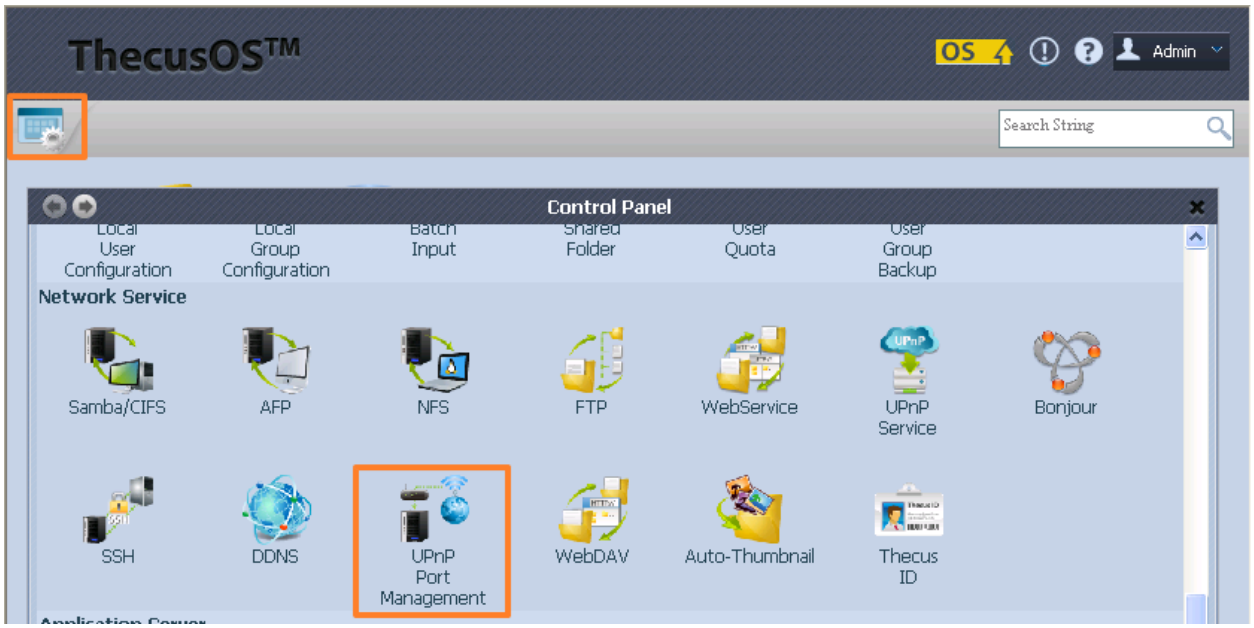
To be sure that your router has **"Universal Plug and Play (UPnP)" or "UPnP IGD" enabled***, please compare your settings with the below screenshots of the UPnP service settings of various brands of router. Please select one to see its UPnP Configuration page:

- **NETGEAR R6250**
- **D-Lnk DIR-868L**
- **D-Link DIR600**
- **ASUS RT-N16**

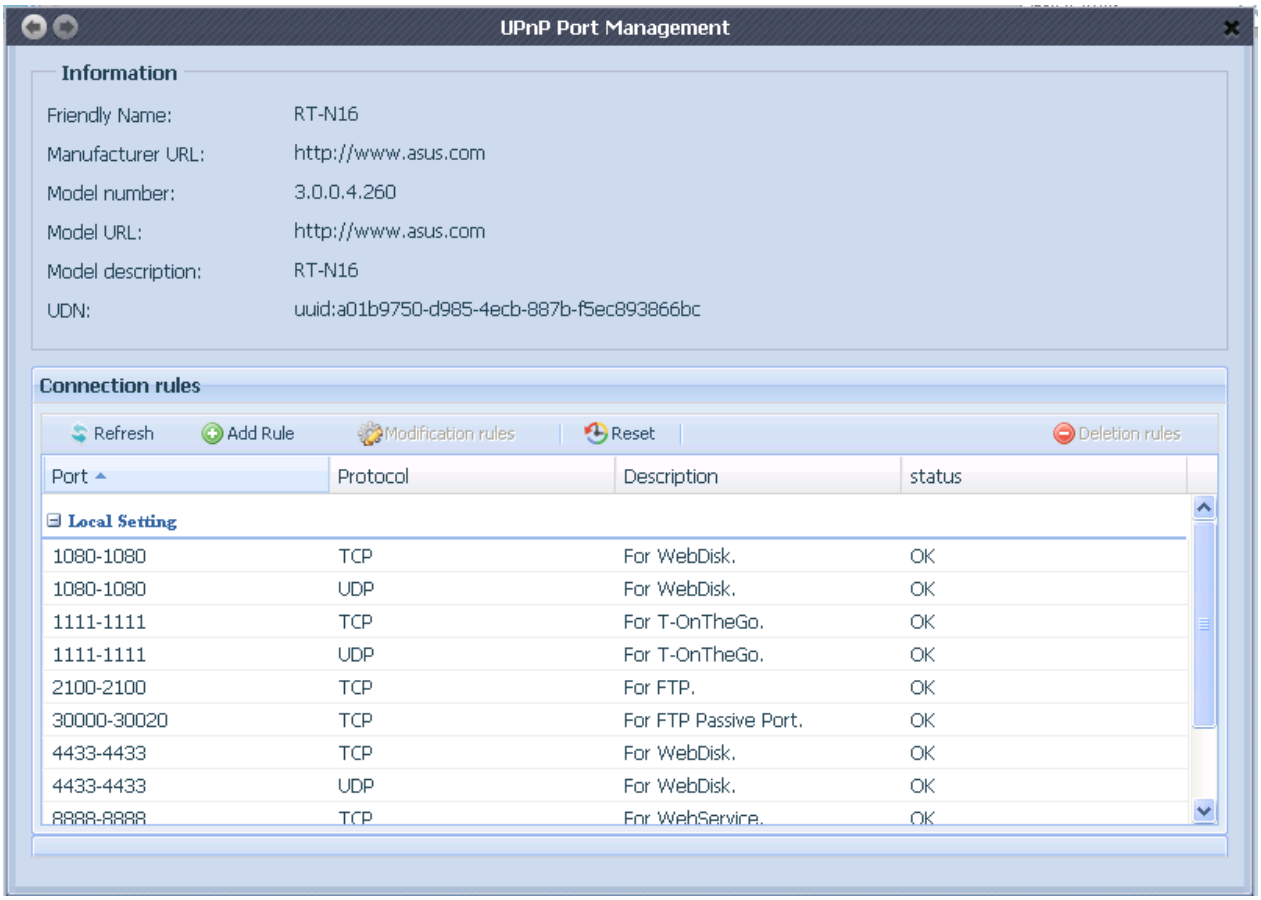
* If your router does not support UPnP, you may need to input the port forwarding physically. Please see "How to configure your router manually".

Step 2. Checking the UPnP Port Forwarding service on your Thecus NAS

Login into the admin UI of your Thecus NAS. Browse to **Control panel**>**Network Service**>**UPnP Port Management**.



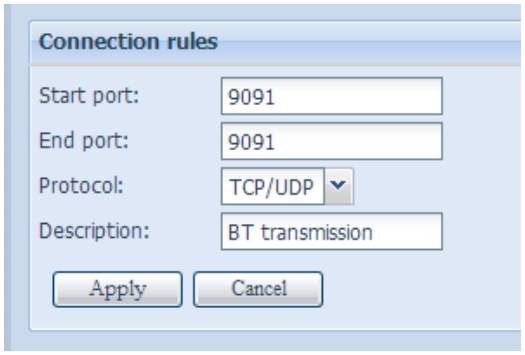
Information regarding an associated router's UPnP Port Management is shown in the screenshot below. If similar information is shown it means that your router is working fine:



If similar information is not displayed, please consult the following cases:

Case 1. The services you desired are NOT listed

Click "***Add Rule***" to add more port mapping rules to allow access desired services from the Internet.



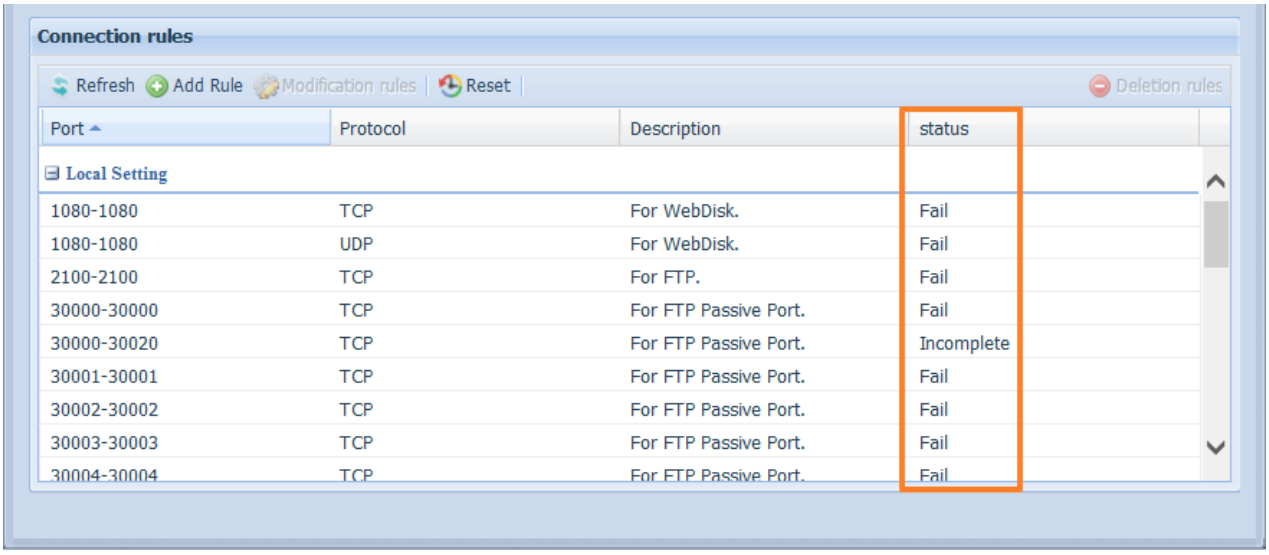
UPnP Port Management	
Item	**Description**
Start port*	Specific port number to start at. e.g. 9091
End port*	Specific port number to end at. e.g 9091
Protocol*	Choose the required protocol for port forwarding. e.g TCP/UDP
Description	The name of the port service. e.g. BT transmission
Apply	Click "Apply" to confirm the changes.
Cancel	Click "Cancel" to abort the changes

*For the default service ports of Thecus NAS, please see Appendix A.

Some routers do not allow the input of port numbers below 1024, so doing so in some instances may result in "setting failure" errors.

Case 2. Service connection failure

Please try to log into your **router's admin UI** and **disable the UPnP function and then enable it again**. After this, please **reboot** your Thecus NAS and check the UPnP Port Management window. You can also try to access the Thecus NAS admin UI via your Thecus ID's DDNS again.



Case 3. The UPnP device cannot be found

You may input port forwarding manually. Please see How to configuring your router manually.

Step 3. If none of the above methods work, , please go to http://esupport.th-ecus.com/support/index.php or email support@thecus.com.

❖ Configuring Your Router Manually

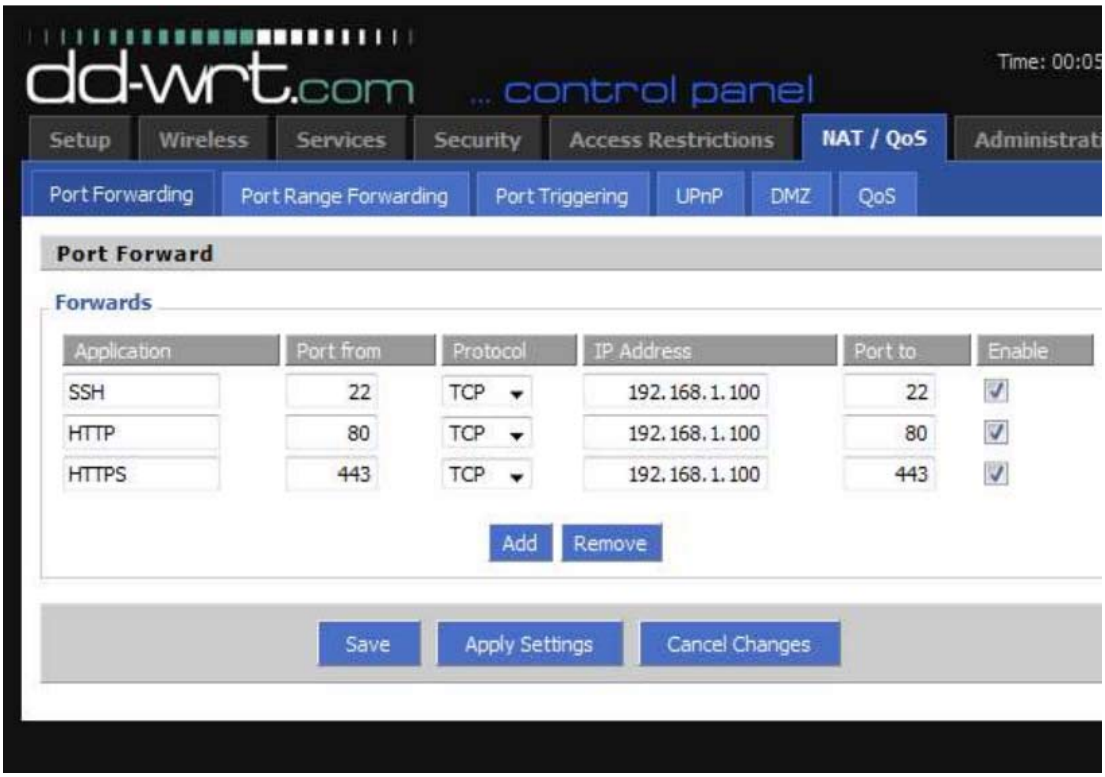
Each manufacturer has different software that they use on their routers. Below are screenshots of the port forwarding settings of 3 popular routers*.

• DD-WRT:

Application: Service name. e.g. HTTP, BitTorrent Transmission

Port from/Port to/Protocaol: Please see Appendix A,

IP Address : Enter Your Thecus NAS's IP address



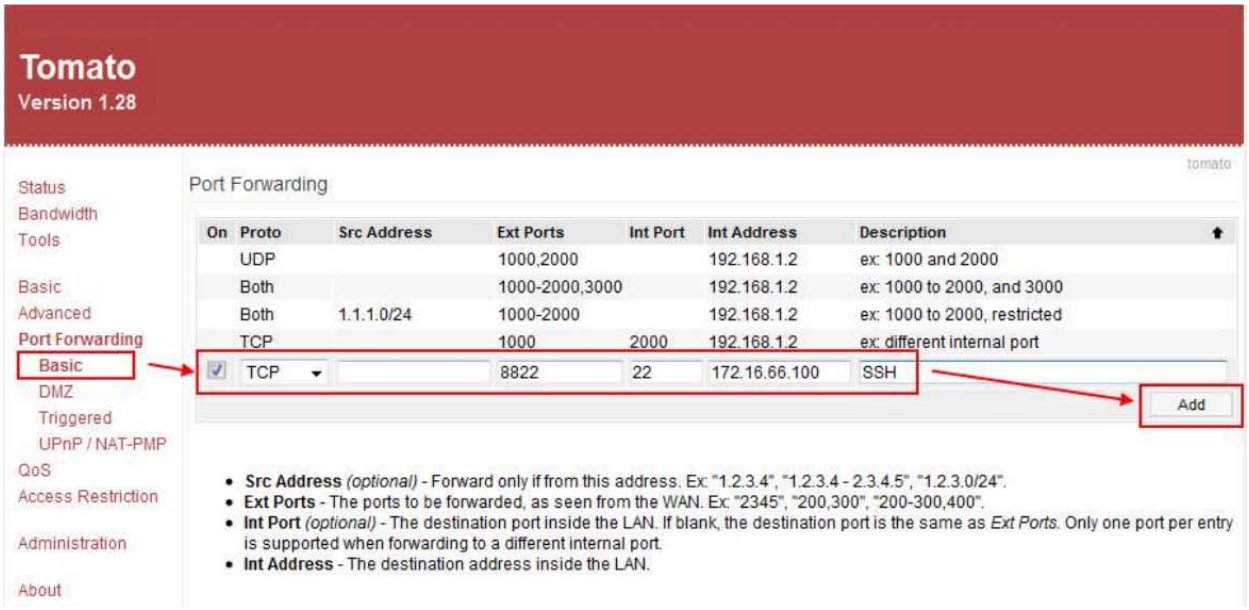
* For more information on how to access your router and the necessary username and password. Please check you're the device documentation, the stickers on your router, or the manufacturer's website.

• Tomato:

Proto/Ext Ports/Int Port: Please see Appendix A

Int Address: Enter your Thecus NAS's IP address

Description: Service name. e.g. HTTP, BitTorrent Transmission

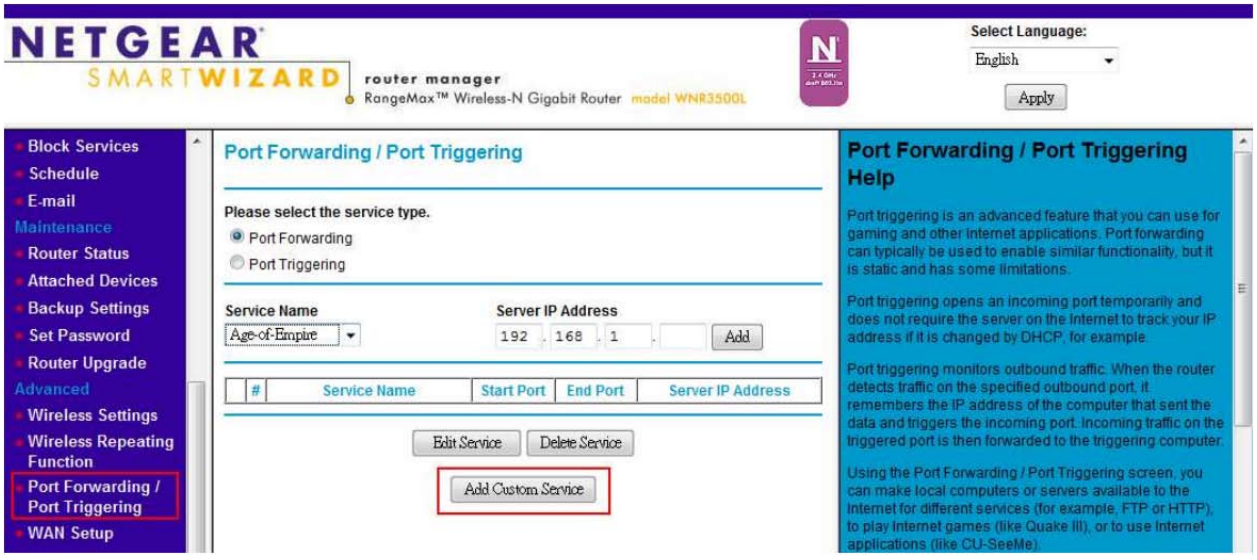


• NETGEAR:

Service Name: e.g. HTTP, BitTorrent Transmission

Service Type/Starting Port/Ending Port: Please see Appendix A,

Server IP Address: Enter your Thecus NAS's IP address



If you still encounter problems, please go to http://esupport.thecus.com/support/index.php or email support@thecus.com.

❖ Appendix A : The default service ports of Thecus NAS

System	Port number	Protocol
Admin UI	8888	TCP

Network Service	Port number	Protocol
Webservice	80(http)/443(https)	TCP
WebDav(T-OnTheGo)	9800(http)/9802(https)	TCP
FTP	2100, 30000-30020(Data connection in Passive Mode)	TCP
SSH	22	TCP

Thecus NAS APP	Port number	Protocol
Webdisk	1080(TCP), 4433(UDP)	TCP/UDP
BiTorrent Transmission	9091	TCP/UDP
PLEX	32400	TCP
Twonky Media	TCP: 9000/9001, UDP: 1900/1030	TCP/UDP

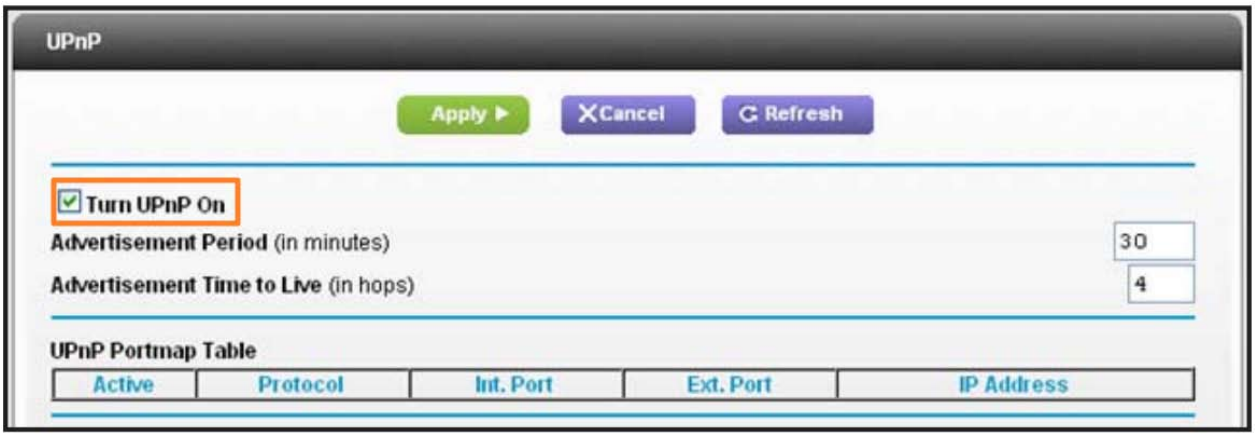
Mobile Application	Port number	Protocol
T-OnTheGo	9800(http)/9802(https)	TCP

❖ Appendix B: Screenshots of the routers' UPnP Configuration page

- **NETGEAR R6250**

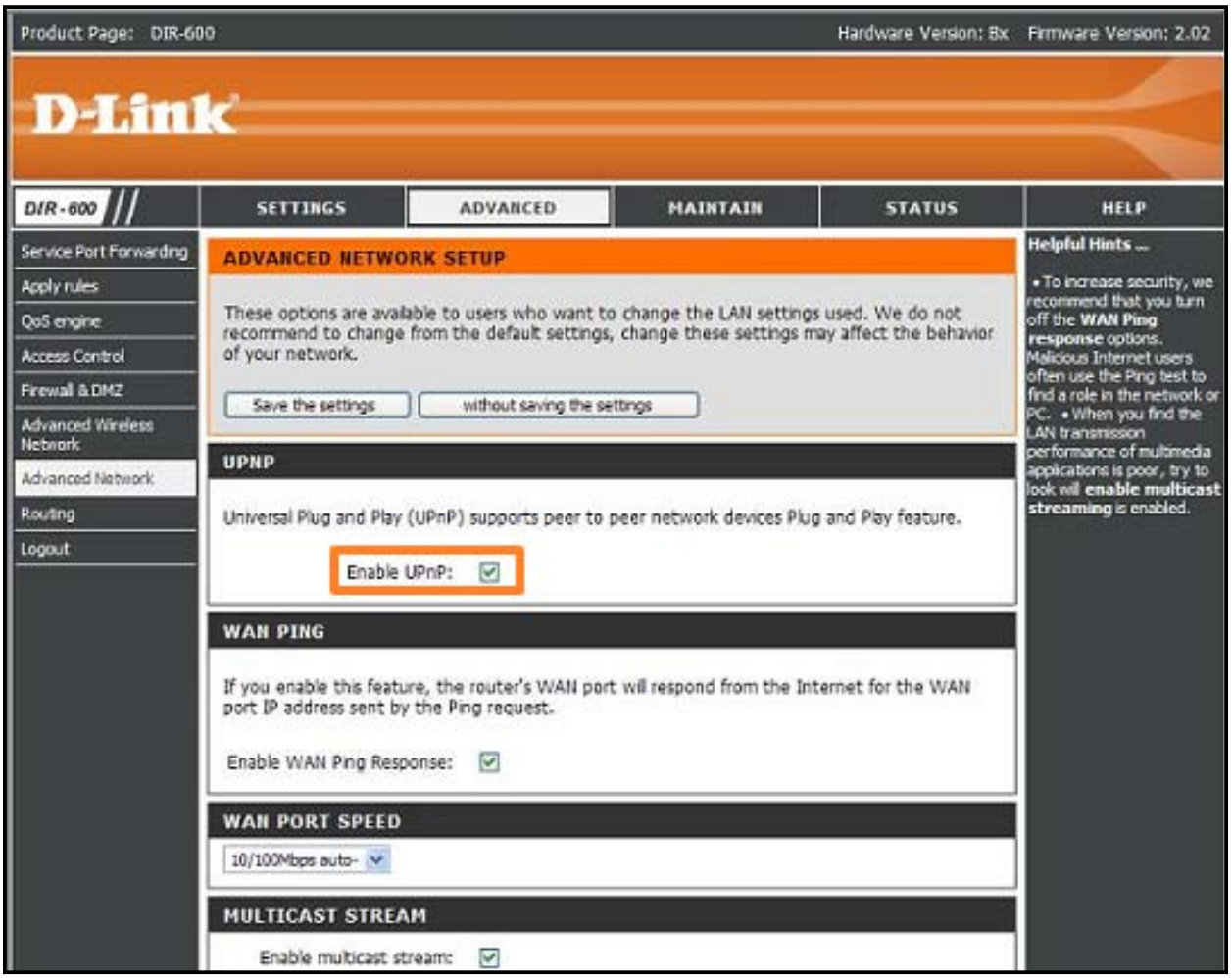
Select ***Advanced > Advanced Setup > UPnP.***

The UPnP screen appears as follows.



- **D-Link DIR-868L**

- **D-Link DIR600**



- **ASUS RT-N16**