Dyn.com DDNS configuration

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Preconditions

There is one mandatory precondition for DDNS to work - you must have a **Static or Dynamic Public IP address**. Dynamic DNS will not work with a **Shared Public IP**. You can read up more on this in our article on **Private and Public IP Addresses**.

The easiest way to find out this information is to log in to the router's WebUI and check the **WAN** widget in the **Overview** page. You will be automatically redirected to the Overview page after you log in and the WAN widget will be on the right side of the page, second widget from the top. If the WAN widget displays a Public IP address, your DDNS configuration should work; if it displays a Private IP address, that means you're using a Shared Public IP address and you won't be able to reach your router with the help of DDNS.

Step 1. DDNS configuration

First of all we need to visit DDNS provider's website - **https://account.dyn.com/entrance/**. Once there, we have two options: create a new user or use an existing one.

You'll need to login to the system using your credentials. If you don’t have a registered account then you'll need to create one by entering your new account info (**if you want to try out DynDNS free 7 day trial you will need a valid credit card or you will have to subscribe for a plan with a payment method**):

Adding new host

In the opened browser window navigate to DynDNS Pro:

You will see all hosts that you have created. To add a new host press the **Add New Hostname** button:

You will be redirected to the host creation page. Enter the **hostname**, select **Host with IP address**, enter the router's public **IP address** and press **Activate**:

Step 2. Router configuration

Next we'll need to make some configurations from the router's side. Login to the router's WebUI and navigate to **Services → Dynamic DNS**:

Then enter **new configuration name** and click **Add new**:

Click the **Edit** button located to the left of the newly created DDNS instance:

Dynamic DNS configuration

In the DDNS configuration window, check the **Enable** box.

Next, you need to select the DDNS service provider in the **Service** field. However, RUT routers do not have dyn.com as default provider, so you have to select **custom**.
After that it is important to create a good **Custom update URL**. It should look like this:
http://[**username**]:[**password**]@members.dyndns.org/nic/update?hostname=[**domain**]&myip=[**IP address**]&wildcard=NOCHG&mx=NOCHG&backmx=NOCHG
DOMAIN -> your registered domain eg. teltonikademo.dyndns.tv
IP -> your IP address eg. 84.15.129.227
USERNAME -> your dyn.com account username eg. teltonikaDemo
PASSWORD -> your dyn.com account password eg. yourpassword
Complete URL example:
http://teltonikaDemo:yourpassword@members.dyndns.org/nic/update?hostname=teltonikademo.dyndns.tv&myip=84.15.129.227&wildcard=NOCHG&mx=NOCHG&backmx=NOCHG

Once you have created URL you need to fill in the last three fields:
Hostname -> your registered domain eg. teltonikademo.dyndns.tv
Username -> your dyn.com account username eg. teltonikademo
Password -> your dyn.com account password eg. yourpassword
And click "**Save**"

Remote access configuration

After you complete the DDNS configuration the last thing you need to do is to allow Remote access using HTTP. This option can be found in **System → Administration → Access control**:

Click the **Access Control** tab

Here you need to select the **Enable remote HTTP access** option and press the **Save** button:

Test your DDNS

Enter your DDNS hostname into the URL field of your web browser and press "Enter". You should be redirected to your router's login page:

External links

https://www.dyn.com/

https://account.dyn.com/entrance/