

Unifi/Ubiquiti Router Setup

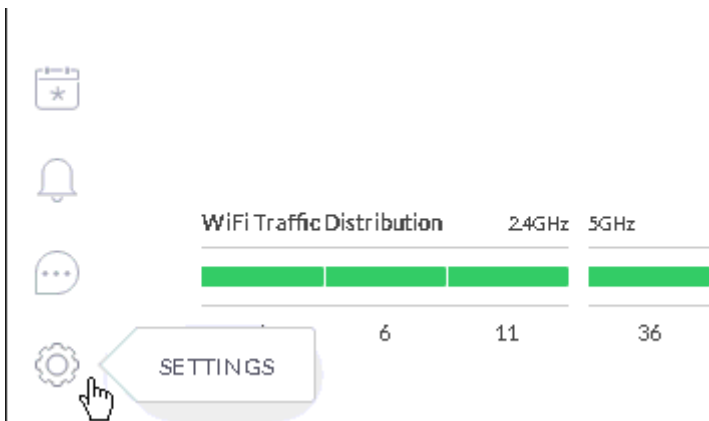
Router with Static IP address configuration

1. Go to SafeDNS **Dashboard > Settings > Devices** and copy your IP address to the "**IP addresses / DynDNS**" box, choose a policy, and click "**Add**".

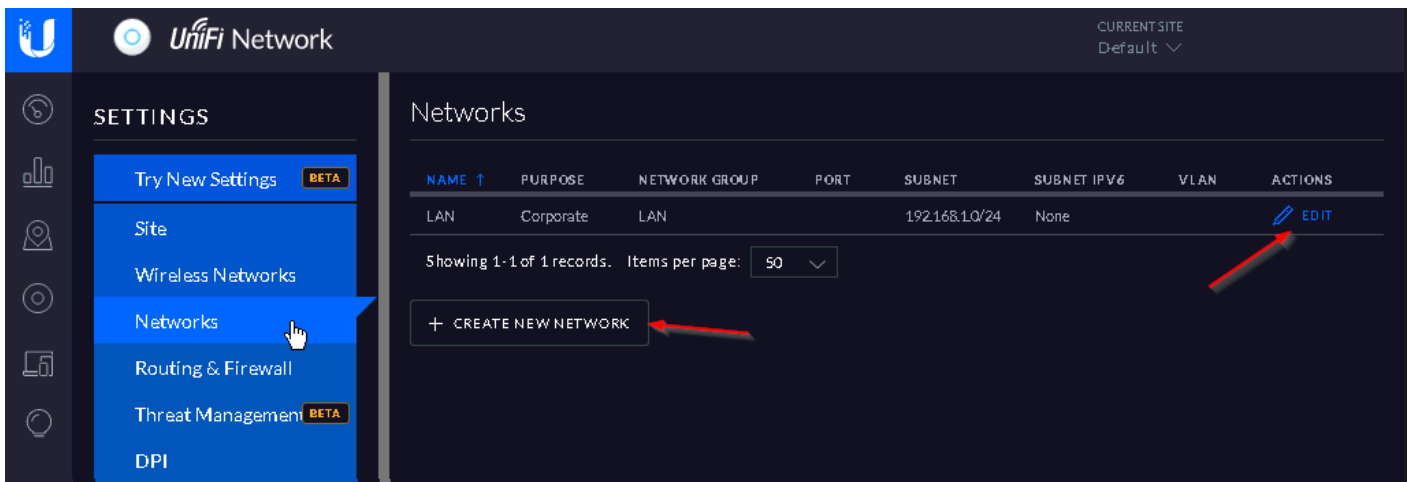
Your IP address	IPv4 DNS-servers addresses	IPv6 DNS-servers addresses
162.210.194.38	195.46.39.39 195.46.39.40	2001:67c:2778::3939 2001:67c:2778::3940

IP addresses/DynDNS	0/13
Add IP address or DynDNS	
<input type="text" value="162.210.194.38"/>	<input type="text" value="Default"/> <input type="text" value="Comment"/> <input type="button" value="Add"/> <input type="button" value="Edit as List"/>

2. Start the Unifi Controller Application and wait for the load. Once it is loaded, start the browser.
3. Open the Settings menu from the Dashboard:

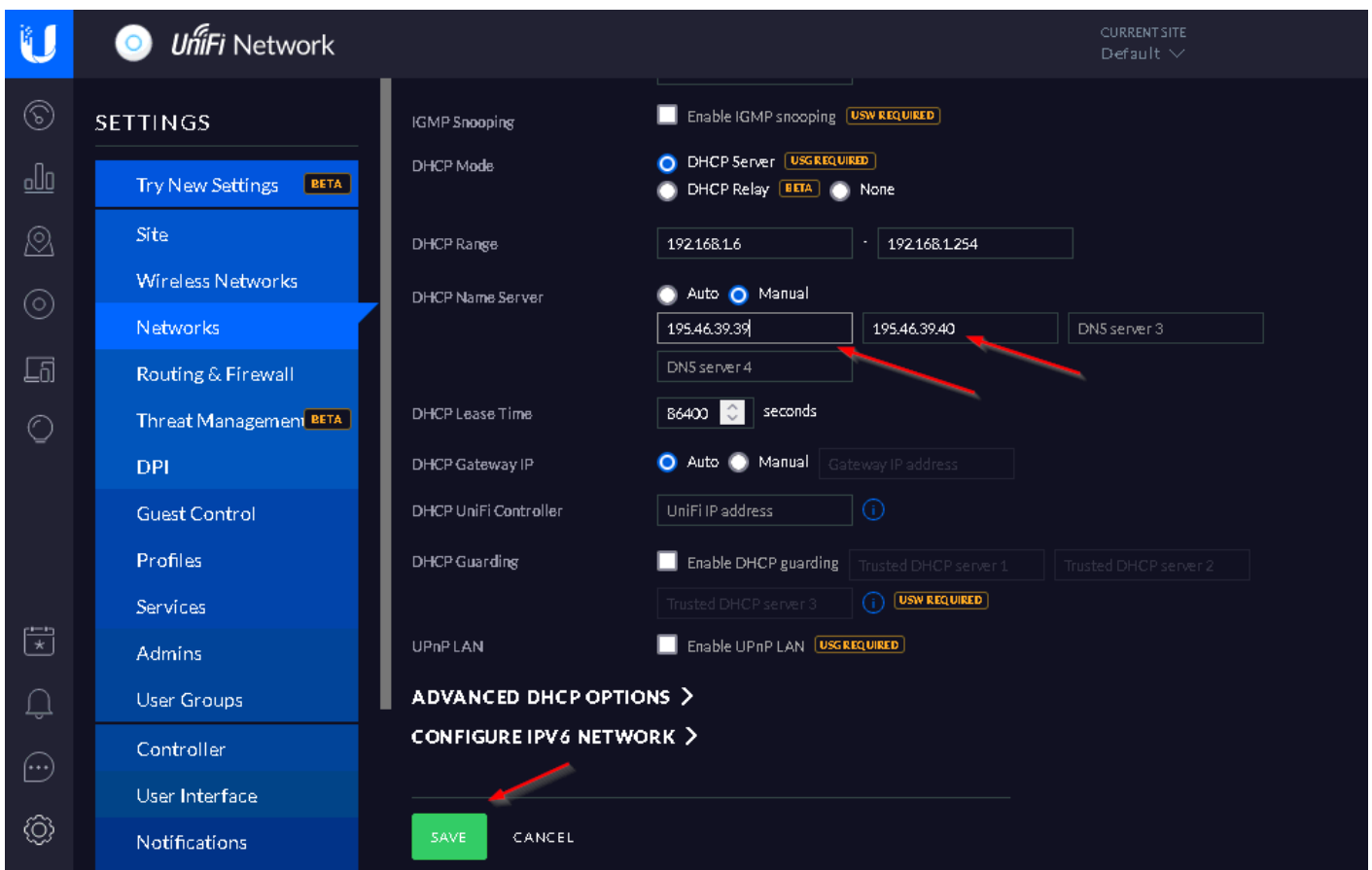


4. Browse the Networks menu and select the option either Create New Network or Edit. It depends on the requirements, if you are creating a new setup, there might be no networks created – then you need to create a new network. If you are starting to use SafeDNS on the existing network – then select the Edit option:



The following configuration can be used as an example of your Local Network setup.

5. Set the following DHCP Name Server addresses: 195.46.39.39 and 195.46.39.40



6. After adding SafeDNS Name Servers, Press the Save button and wait for the provisioning process of the Unifi access points – it may take a while.

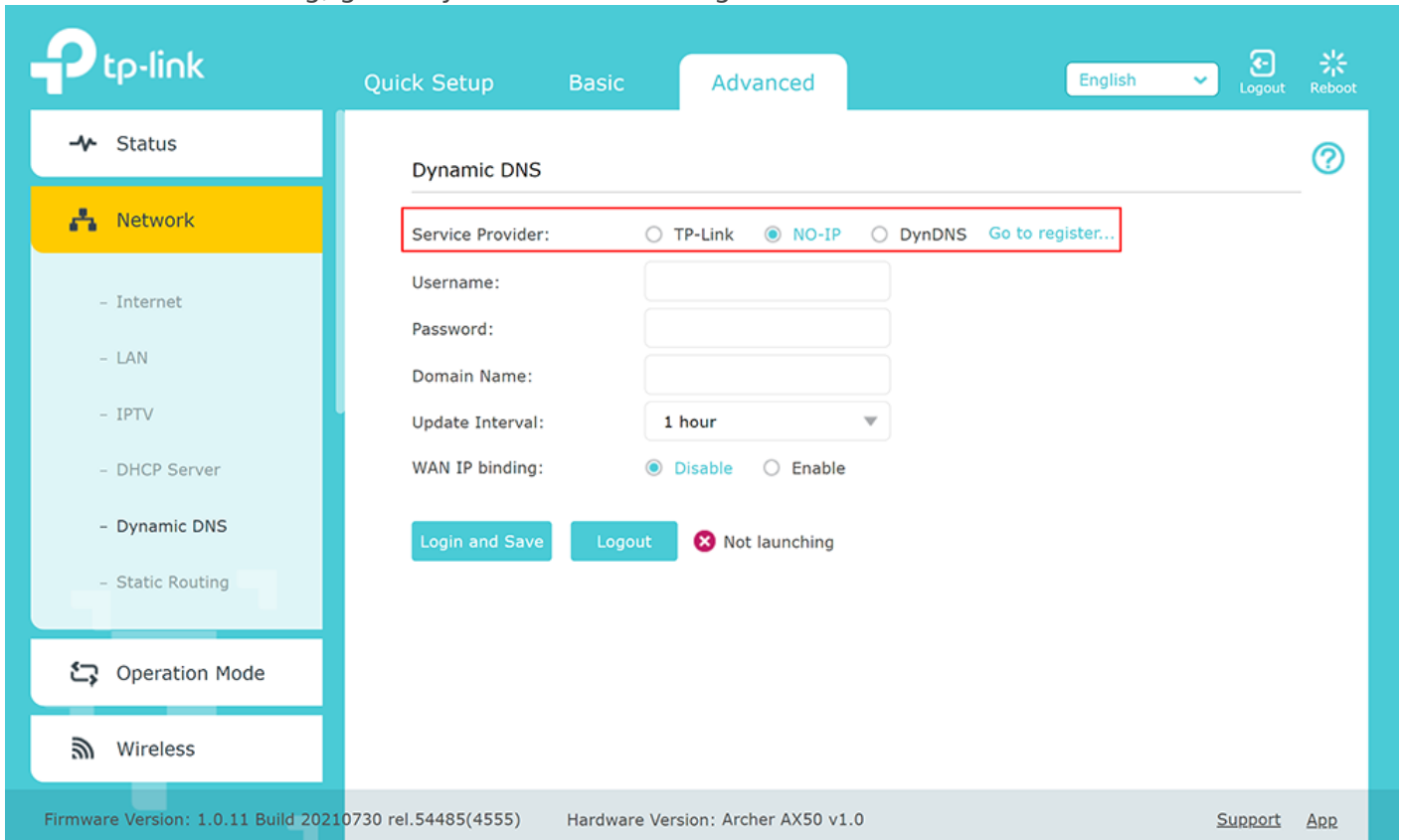
You have successfully configured your router.

Please note that settings take 5-7 minutes to apply.
Stats and filtering status update every 10 minutes.

Router with Dynamic IP address configuration

In case you have a Dynamic IP address, you need to configure the DynDNS/DDNS on the router using a third-party Dynamic DNS service.

1. In the router setting, go to DynDNS/DDNS settings.



The image shows the TP-Link Archer AX50 router's web interface. The 'Advanced' tab is selected, and the 'Dynamic DNS' section is highlighted. The 'Service Provider' is set to 'NO-IP'. The 'Update Interval' is set to '1 hour'. The 'WAN IP binding' is set to 'Disable'. The 'Login and Save' button is visible.

TP-Link

Quick Setup Basic **Advanced** English Logout Reboot

Status

Network

- Internet
- LAN
- IPTV
- DHCP Server
- Dynamic DNS**
- Static Routing

Operation Mode

Wireless

Firmware Version: 1.0.11 Build 20210730 rel.54485(4555) Hardware Version: Archer AX50 v1.0 Support App

Dynamic DNS

Service Provider: ☐ TP-Link ☒ **NO-IP** ☐ DynDNS [Go to register...](#)

Username:

Password:

Domain Name:

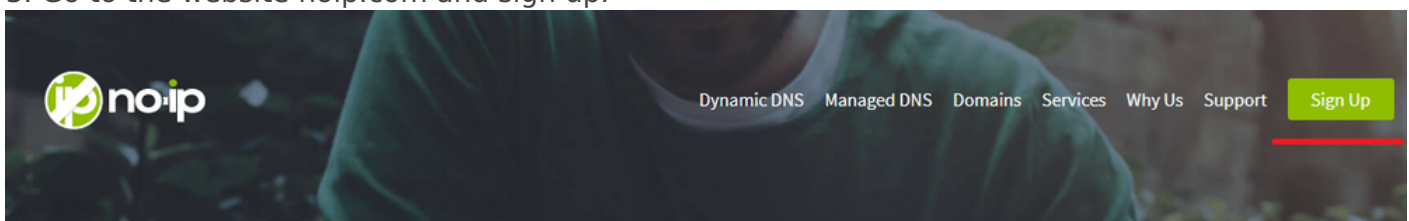
Update Interval:

WAN IP binding: ☒ Disable ☐ Enable

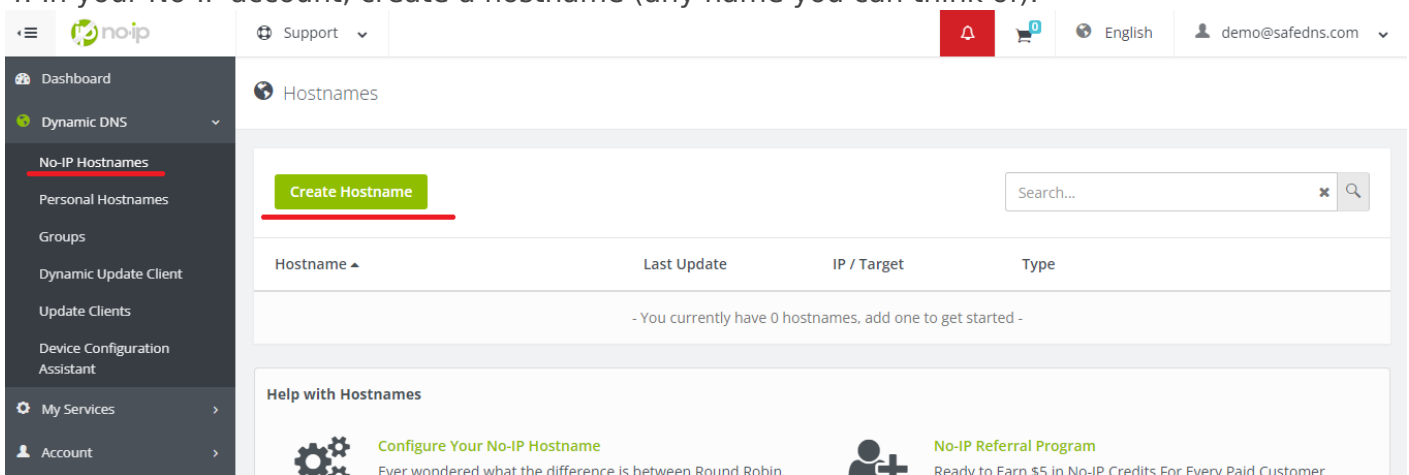
Login and Save Logout Not launching

2. Check the DynDNS service available for your router. If available, we recommend using the No IP DynDNS service provider.

3. Go to the website noip.com and sign up.



4. In your No-IP account, create a hostname (any name you can think of).



The image shows the No-IP account dashboard. The 'Hostnames' section is active. The 'Create Hostname' button is visible. The table below shows the current state of the account, which is empty.

noip

Support

Hostnames

[Create Hostname](#) Search...

Hostname	Last Update	IP / Target	Type
- You currently have 0 hostnames, add one to get started -			

Help with Hostnames

[Configure Your No-IP Hostname](#)

[No-IP Referral Program](#)

Support

English

demo@safedns.com

Dashboard

Dynamic DNS

No-IP Hostnames

Personal Hostnames

Groups

Dynamic Update Client

Update Clients

Device Configuration Assistant

My Services

Account

Support Center

Add Priority Support

Hostnames

Create Hostname

Search...

Hostname	Last Update	IP / Target	Type
justatestname01.ddns.net	Oct 31, 2021 07:55 PDT	162.210.194.38	A

Help with Hostnames

Configure Your No-IP Hostname

Ever wondered what the difference is between Round Robin, A, CNAME records, and more? A quick guide of each DNS record type as well as how you would use them.

No-IP Referral Program

Ready to Earn \$5 in No-IP Credits For Every Paid Customer That You Refer to No-IP?

my@1462c31 2021-10-29T20:47:30Z web03

Create a Hostname

Hostname

justatestname01

Domain

ddns.net

Record Type

☒ DNS Host (A)
 ☐ AAAA (IPv6)
 ☐ DNS Alias (CNAME)
 ☐ Web Redirect

Manage your Round Robin, TXT, SRV and DKIM records.

IPv4 Address

162.210.194.38

Wildcard

Upgrade to Enhanced

to enable wildcard hostnames.

MX Records

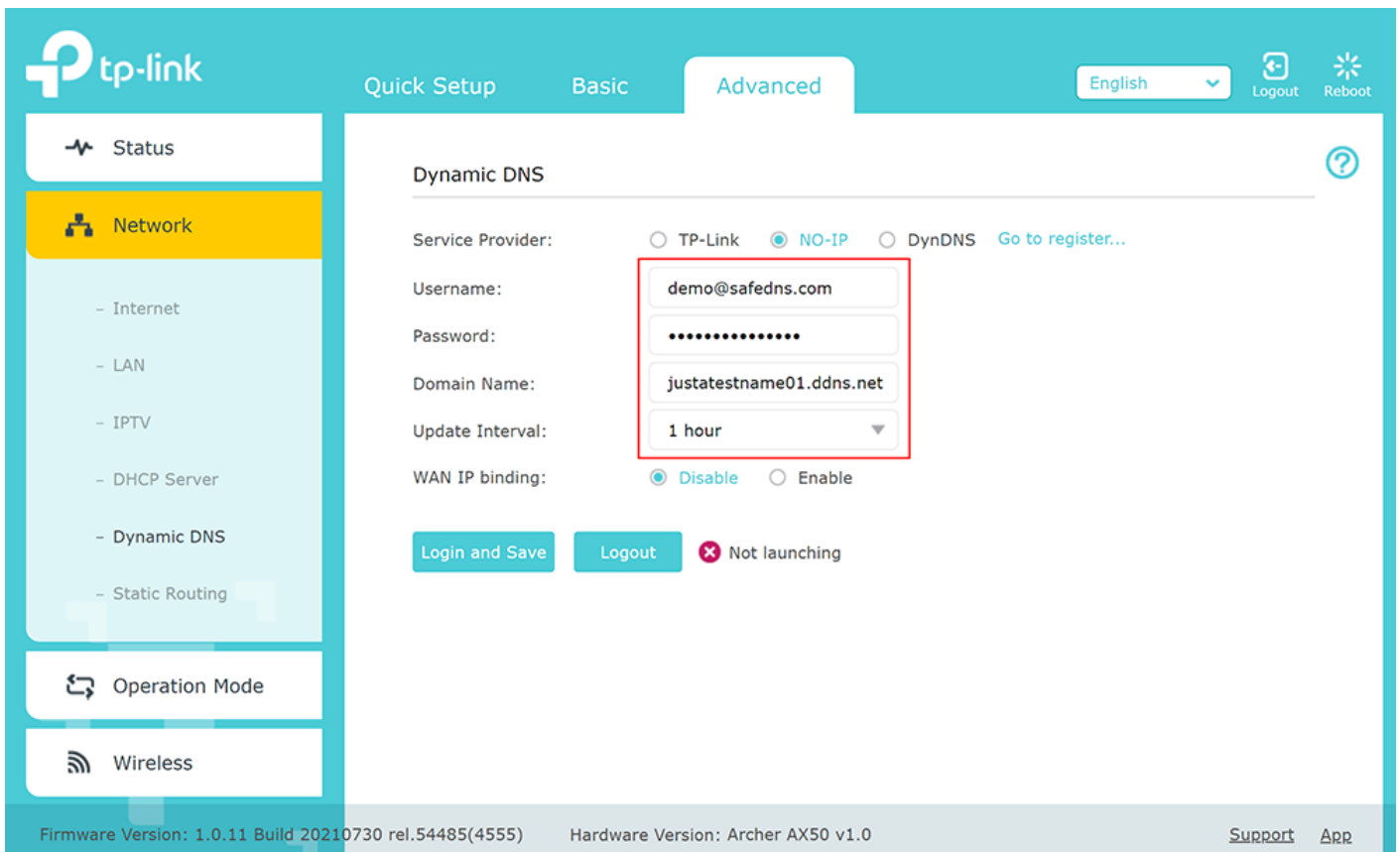
Add MX Records

Cancel

Create Hostname

5. Go back to your router and configure DDNS/DynDNS.

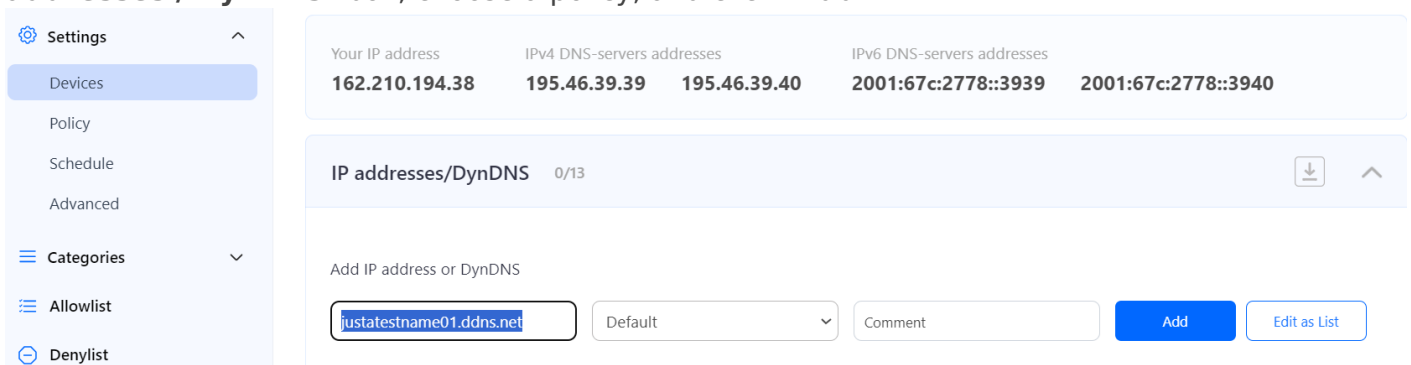
- Select No-IP as "**Service provider**".
- Type in the created hostname in the "**Hostname**" field.
- Type in your No-IP account credentials as "Username" and "Password", and click "Save".



If everything is correct, DynDNS/DDNS settings will apply.



6. Go to SafeDNS **Dashboard > Settings > Devices** and copy your DynDNS hostname to the "**IP addresses / DynDNS**" box, choose a policy, and click "**Add**".



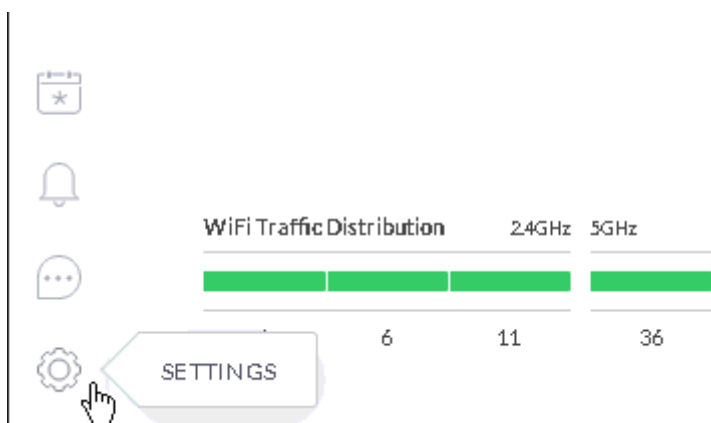
Once added, you will see it in the DynDNS section of the Dashboard.

The screenshot shows the UniFi Network Settings interface. On the left is a sidebar with navigation options: Settings (selected), Devices, Policy, Schedule, Advanced, Categories, Allowlist, Denylist, Stats, Help, and Account. The main content area is titled 'IP addresses/DynDNS' and shows a table of IP addresses and DynDNS entries. At the top, there are fields for 'Your IP address' (162.210.194.38), 'IPv4 DNS-servers addresses' (195.46.39.39, 195.46.39.40), and 'IPv6 DNS-servers addresses' (2001:67c:2778::3939, 2001:67c:2778::3940). Below this is a form to 'Add IP address or DynDNS' with fields for 'Enter an IP-address or DynDNS', a 'Policy' dropdown (set to 'Default'), a 'Comment' field, and 'Add' and 'Edit as List' buttons. A table below shows the current entries:

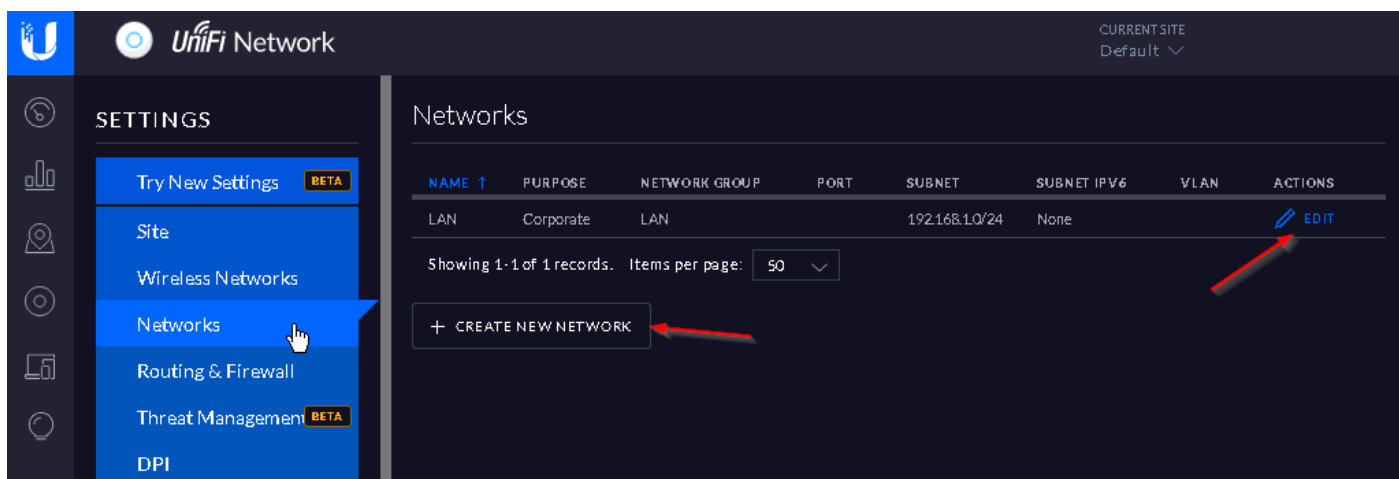
IP address/DynDNS	Policy	Comment
justatestname01.ddns.net	Default	

7. Start the Unifi Controller Application and wait for the load. Once it is loaded, start the browser.

8. Open the Settings menu from the Dashboard:



9. Browse the Networks menu and select the option either Create New Network or Edit. It depends on the requirements, if you are creating a new setup, there might be no networks created – then you need to create a new network. If you are starting to use SafeDNS on the existing network – then select the Edit option:



The following configuration can be used as an example of your Local Network setup.

10. Set the following DHCP Name Server addresses: 195.46.39.39 and 195.46.39.40

The screenshot shows the UniFi Network Settings interface. On the left is a sidebar with navigation options: SETTINGS, Try New Settings (BETA), Site, Wireless Networks, Networks (highlighted), Routing & Firewall, Threat Management (BETA), DPI, Guest Control, Profiles, Services, Admins, User Groups, Controller, User Interface, and Notifications. The main content area is titled 'DHCP' and contains various settings. Under 'DHCP Mode', 'DHCP Server' is selected (USG REQUIRED). 'DHCP Range' is set to 192.168.1.6 - 192.168.1.254. 'DHCP Name Server' is set to 'Manual', with two input fields containing '195.46.39.39' and '195.46.39.40'. Red arrows point to these fields. 'DNS server 3' and 'DNS server 4' are also visible. 'DHCP Lease Time' is 86400 seconds. 'DHCP Gateway IP' is set to 'Auto'. 'DHCP UniFi Controller' is set to 'UniFi IP address'. 'DHCP Guarding' has 'Enable DHCP guarding' checked, with 'Trusted DHCP server 3' marked as 'USG REQUIRED'. 'UPnP LAN' has 'Enable UPnP LAN' checked (USG REQUIRED). Below these settings are links for 'ADVANCED DHCP OPTIONS >' and 'CONFIGURE IPV6 NETWORK >'. At the bottom are 'SAVE' and 'CANCEL' buttons. A red arrow points to the 'SAVE' button.

11. After adding SafeDNS Name Servers, Press the Save button and wait for the provisioning process of the Unifi access points – it may take a while.

You have successfully configured your router.

Please note that settings take 5-7 minutes to apply.
Stats and filtering status update every 10 minutes.

Configuring the filter using the DDclient.

In rare cases when your router does not have a DynDNS/DDNS setting and your IP is Dynamic, you need to use third-party software - **DDclient** - on the PC connected to the network:

1. [Install DDclient](#) on a PC connected to the network. Once DDclient is installed, all devices connected to the same network will be filtered by the same rules.
2. Set up DNS servers in your router:

U

UniFi Network

CURRENT SITE
Default

SETTINGS

Try New Settings BETA

Site

Wireless Networks

Networks

Routing & Firewall

Threat Management BETA

DPI

Guest Control

Profiles

Services

Admins

User Groups

Controller

User Interface

Notifications

IGMP Snooping

☐ Enable IGMP snooping USW REQUIRED

DHCP Mode

☒ DHCP Server USG REQUIRED
☐ DHCP Relay BETA ☐ None

DHCP Range

192.168.1.6

192.168.1.254

DHCP Name Server

☐ Auto ☒ Manual

195.46.39.39

195.46.39.40

DNS server 3

DNS server 4

DHCP Lease Time

86400

seconds

DHCP Gateway IP

☒ Auto ☐ Manual

Gateway IP address

DHCP UniFi Controller

UniFi IP address

DHCP Guarding

☐ Enable DHCP guarding

Trusted DHCP server 1

Trusted DHCP server 2

Trusted DHCP server 3

USW REQUIRED

UPnP LAN

☐ Enable UPnP LAN USW REQUIRED

ADVANCED DHCP OPTIONS >

CONFIGURE IPV6 NETWORK >

SAVE

CANCEL

Revision #7

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