

OpenWRT Router Setup

If you have static IP or use a DynDNS service you can set up SafeDNS on your OpenWRT router just like any other router using [this guide](#).

Only OpenWRT versions 17 or lower are supported.

1. Setup DDNS client. Select in menu **System > Software**.

The screenshot shows the OpenWRT LuCI web interface. At the top is a dark navigation bar with the 'OpenWrt' logo and links for 'Status', 'System', 'Network', and 'Logout'. Below this, a sidebar on the left contains links for 'Status', 'System', and 'Network'. The 'System' link is selected, and a dropdown menu is open, showing options: 'System', 'Administration', 'Software' (which is highlighted), 'Startup', 'Scheduled Tasks', 'Mount Points', 'LED Configuration', 'Backup / Flash', 'Firmware', and 'Reboot'. The main content area displays system status information in a table-like format.

Hostname	OpenWrt
Model	Buffalo WBMR-HP-G300H
Firmware Version	OpenWrt Barrier Breaker 14.07-rc3 / LuCI Trunk (svn-r1046)
Kernel Version	3.10.49
Local Time	Thu Sep 4 05:58:46 2014
Uptime	0h 14m 37s
Load Average	0.14, 0.10, 0.08

2. Click **Update lists**.

dd-wrt.com ... control panel

Time: 02:48:30 up 2

Setup

Wireless

Services

Security

Access Restrictions

NAT / QoS

Administration

Basic Setup

DDNS

MAC Address Clone

Advanced Routing

VLANs

Networking

EoI

Dynamic Domain Name System (DDNS)

DDNS

DDNS Service

Custom

DYNDNS Server

www.safedns.com

User Name

user@safedns.com

Password

.....

☐ Unmask

Host Name

myhost

URL

/nic/update?hostname=

Additional DDNS Options

Do not use external ip check

☐ Yes ☒ No

Options

Force Update Interval

10

(Default: 10 Days, Range: 1 - 60)

DDNS Status

DDNS function is disabled

Save

Apply Settings

Cancel Changes

Auto-Refresh is On

3. Type `luci-app-ddns` in **Download and install package** and click **OK**.

Software

Actions

Configuration


Free space: 95% (25.75 MB)

Download and install package:

luci-app-ddns

OK

Filter:

 Find package

Software

Actions

Configuration

```
Installing luci-app-ddns (svn-r10471-1) to root...
Downloading http://downloads.openwrt.org/barrier_breaker/14.07-rc3/lantiq/xway/packages/luci-app-ddns_svn-r10471-1_lantiq.ipk.
Installing ddns-scripts (1.0.0-22) to root...
Downloading http://downloads.openwrt.org/barrier_breaker/14.07-rc3/lantiq/xway/packages/ddns-scripts_1.0.0-22_all.ipk.
Configuring ddns-scripts.
Configuring luci-app-ddns.
```

Collected errors:


- * resolve_conffiles: Existing conffile /etc/config/ddns is different from the conffile in the new package. The new conffile will be placed at /etc/config/ddns-opkg.

Free space: 95% (25.70 MB)

Download and install package:

OK

Filter:

 Find package

4. Click **Status** in the menu to refresh the menu. New item **Services** and subitem **Dynamic DNS** will appear in the menu.

System

Hostname	OpenWrt
Model	Buffalo WBMR-HP-G300H
Firmware Version	OpenWrt Barrier Breaker 14.07-rc3 / LuCI Trunk (svn-r10467)
Kernel Version	3.10.49
Local Time	Thu Sep 4 06:09:39 2014
Uptime	0h 25m 31s
Load Average	0.08, 0.12, 0.09

5. Fill out the form on page **Dynamic DNS**:

- In **Custom update-URL** insert -
`https://[USERNAME]:[PASSWORD]@www.safedns.com/nic/update?hostname=[DOMAIN]`
- In **Hostname** type any unique name for your router
- In **Username** type login for SafeDNS site, in **Password** type password for SafeDNS site.
- Click **Save & Apply**

6. Enable and start DDNS service.

7. Select in menu **System > Startup**

OpenWrt
Status ▾
System ▾
Services ▾
Network ▾
Logout

Status



































System

Hostname	OpenWrt
Model	Buffalo WBRM-HP-G300H
Firmware Version	OpenWrt Barrier Breaker 14.07-rc3 / LuCI Trunk (svn-r10467)
Kernel Version	3.10.49
Local Time	Thu Sep 4 06:36:04 2014
Uptime	0h 51m 56s
Load Average	0.16, 0.10, 0.08

System
Administration
Software
Startup
Scheduled Tasks
Mount Points
LED Configuration
Backup / Flash Firmware
Reboot

8. Click the **Disabled** button for **ddns** service, then click **Start**.

OpenWrt
Status ▾
System ▾
Services ▾
Network ▾
Logout

		Enabled	 Start	 Restart	 Stop
50	cron	Enabled	 Start	 Restart	 Stop
50	dropbear	Enabled	 Start	 Restart	 Stop
50	telnet	Enabled	 Start	 Restart	 Stop
50	uhttpd	Enabled	 Start	 Restart	 Stop
60	dnsmasq	Enabled	 Start	 Restart	 Stop
95	ddns	 Disabled	 Start	 Restart	 Stop
95	done	Enabled	 Start	 Restart	 Stop
96	led	Enabled	 Start	 Restart	 Stop
98	sysnptd	Enabled	 Start	 Restart	 Stop
99	dsl_control	Enabled	 Start	 Restart	 Stop

9. Check the string appearing in the system log (**Status > System log**):

user.notice ddns-scripts-myddns: Update successful

10. Navigate to **Network > Interfaces, WAN**.

11. In **Use custom DNS servers** add **195.46.39.39** and **195.46.39.40**. Click **Save & Apply**.

After that, you can continue configuring your filtering options in the [SafeDNS Dashboard](#).

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

Revision #5

Created 28 August 2022 11:05:18

Updated 28 April 2024 21:02:56 by Val Redman