

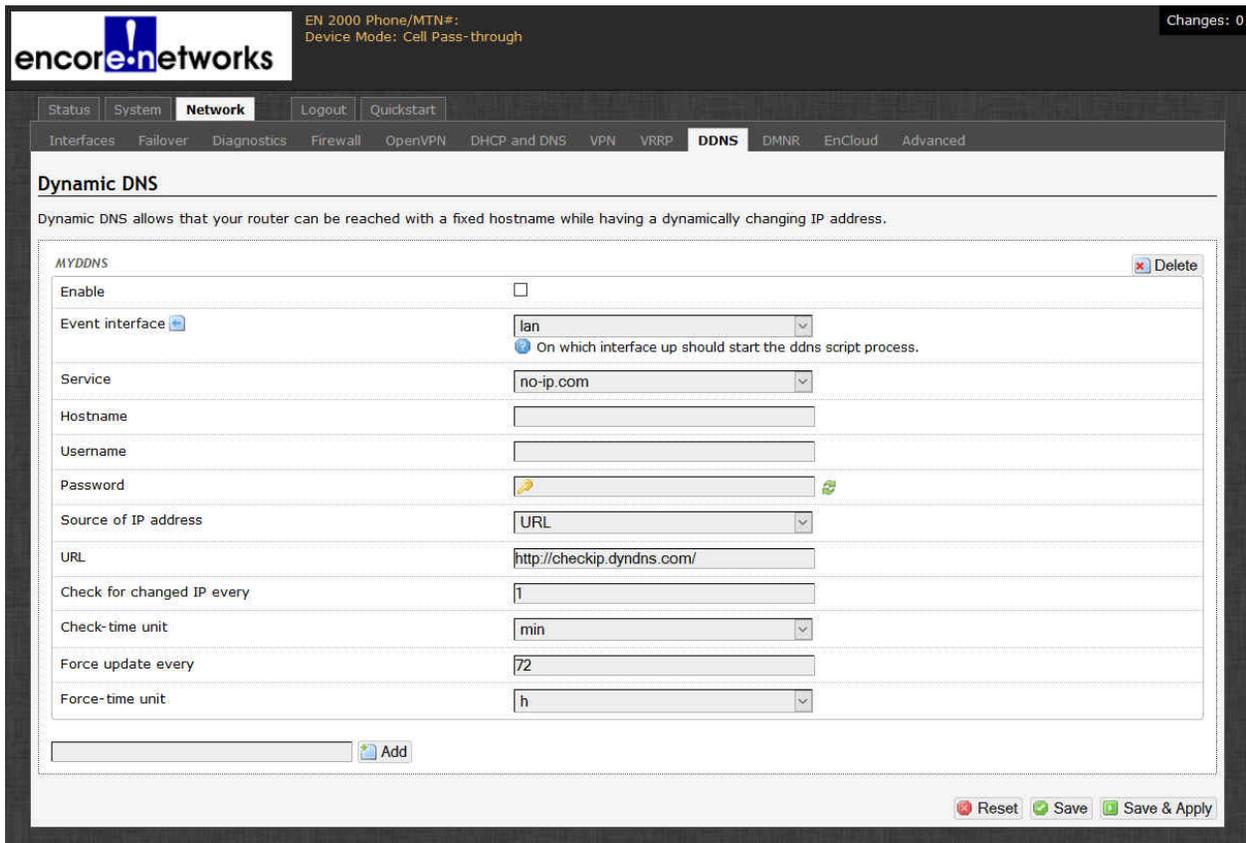
# Configuring Dynamic DNS

This document presents procedures for configuring dynamic domain name service (DDNS) for an EN™ router.

First, set up the EN™ router's standard configuration, as shown in earlier documents for the router. (For details, see the [EN-2000™ Quick Installation Guide](#) and the [EN-2000™ Quick Configuration Guide](#).) Register an account with an organization that provides DDNS. Then perform the following steps to set up DDNS on the EN™ router.

- 1 Log into the EN™ router's management system.
- 2 Select the **Network** tab; then select the **DDNS** tab.
  - » The DDNS Configuration Screen is displayed ([Figure 8-1](#)).

Figure 8-1. DDNS Configuration Screen



EN 2000 Phone/MTN#: Device Mode: Cell Pass-through

Changes: 0

encore!networks

Status System **Network** Logout Quickstart

Interfaces Failover Diagnostics Firewall OpenVPN DHCP and DNS VPN VRRP **DDNS** DMNR EnCloud Advanced

### Dynamic DNS

Dynamic DNS allows that your router can be reached with a fixed hostname while having a dynamically changing IP address.

MYDDNS <span style="float: right;">Delete</span>	
Enable	<input type="checkbox"/>
Event interface	lan <small>On which interface up should start the ddns script process.</small>
Service	no-ip.com
Hostname	
Username	
Password	
Source of IP address	URL
URL	http://checkip.dyndns.com/
Check for changed IP every	1
Check-time unit	min
Force update every	72
Force-time unit	h

Add

Reset Save Save & Apply

**Note:** The upper left corner of the screen shows the name **MYDDNS**, automatically applied to the EN™ router's first DDNS account.

3 On the screen, configure the following values for the DDNS account:

- **Enable** Select the checkbox
- **Event Interface** Select any interface listed for the router—for example, **wan**
- **Service** Select the domain of the DDNS provider—for example, **no-ip.com**
- **Hostname** Enter the URL registered for this EN™ router's IP address on the DDNS server
- **Username** Enter the user name you registered for the DDNS account
- **Password** Enter the password you developed for the DDNS account

**Note:** The account credentials (host name, user name, and password) on this screen must match the credentials registered for the DDNS account.

- **Source of IP Address** Select **network** or **interface** as the reference key for DDNS. (Do not select **URL**.)
- **URL** Make this field blank
- **Check for changed IP every** Number of units to wait before checking IP address
- **Check-time unit** Unit (minutes, hours, etc.) of wait time before checking IP address
- **Force update every** Number of units the DDNS service waits to force an update of the IP interface
- **Force-time unit** Unit (minutes, hours, etc.) of wait time before the DDNS service forces an update

4 If you need to configure another DDNS account for this EN™ router, do the following:

- a Type a name for the new account in the field to the left of the **Add** button (near the lower left corner of the screen), and select the **Add** button.
  - » The previous DDNS account scrolls up. The screen shows the account name you entered, and presents fields for that account.
- b Fill in the fields for this next DDNS account, as described in [step 3](#).

**Note:** The following values must be unique for each DDNS account on the EN™ router.

- **Hostname**
- **Event Interface**

The following field may have the same value or may have unique values for two or more DDNS accounts, depending on the policies of the DDNS service providers. (Encore Networks, Inc., recommends a unique value for each DDNS account, regardless of server policy.)

- **Username**

Figure 8-2 shows two DDNS accounts for an EN™ router.

Figure 8-2. Two DDNS Accounts

The screenshot displays two DDNS account configuration panels. The top panel, labeled 'HY2DKS', has the following settings: Enable (checked), Event interface (wan), Service (no-ip.com), Hostname (encoregul.ddns.net), Username (surclet), Password (\*\*\*\*\*), Source of IP address (network), Network (wan), Check for changed IP every (2), Check-time unit (min), Force update every (72), and Force-time unit (h). The bottom panel, labeled 'HY2DKJ', has the following settings: Enable (checked), Event interface (cell), Service (noip.com), Hostname (encorenetworks.ddns.net), Username (surclet), Password (\*\*\*\*\*), Source of IP address (network), Network (cell), Check for changed IP every (2), Check-time unit (min), Force update every (72), and Force-time unit (h). At the bottom of the interface, there are buttons for 'Add', 'Reset', 'Save', and 'Save & Apply'.

- 5 Repeat [step 4](#) for each additional DDNS account that you wish to configure.
- 6 When you have finished configuring DDNS for your router, select the button to **Save & Apply**.
  - » The IP address of each **Event Interface** selected in [step 3](#) is mapped to the host name on the dynamic server. (In this example, the provider indicated under **Hostname** and **Service** will monitor the WAN IP address to check for updates.)
  - » The configuration is saved. The router will use DDNS.

