



# Setting Up a Device to Send Data to enCloud™

Encore Networks' cloud management system, enCloud™, provides management of your connected Encore devices via a web portal. Using a web browser, a table, or a smartphone, you can gain access to enCloud from anywhere.

The enCloud management system manages Encore Networks' EN-1000™, EN-2000™, and EN-4000™ routers. Those devices include software coordinated for enCloud management. This document presents a quick overview of the process for an EN™ router to send its information to enCloud.

See the following:

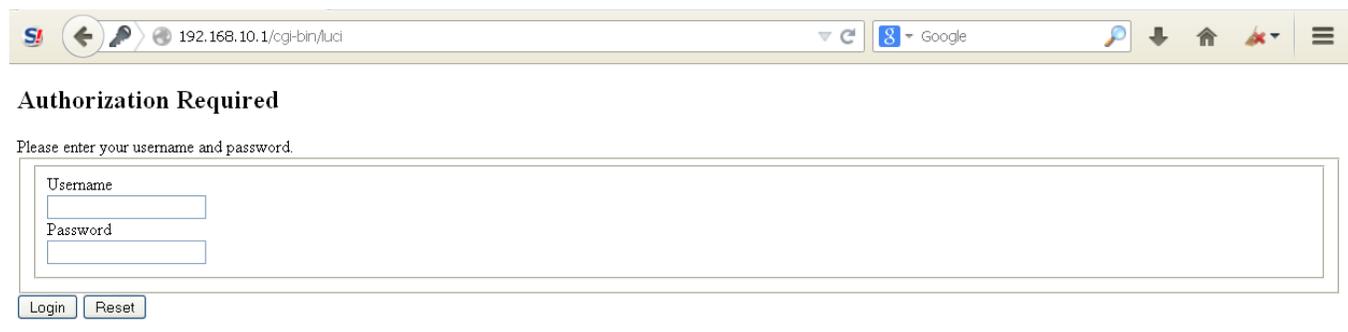
- [Section D.1, Configuring an EN™ Device to Send Data to enCloud™](#)
- [Section D.2, Using enCloud™ to Review Device Information](#)

## D.1 Configuring an EN™ Device to Send Data to enCloud™

**Note:** The example uses an EN-2000. The EN-1000 and the EN-4000 are configured in similar ways.

- 1 Open a browser, and type the EN-2000's IP address in the browser window.
  - » The EN-2000 Log-In Screen is displayed ([Figure D-1](#)).

Figure D-1. EN-2000 Log-In Screen

A screenshot of a web browser window showing the login screen for an EN-2000 device. The browser's address bar shows the URL "192.168.10.1/cgi-bin/luci". The page title is "Authorization Required". Below the title, there is a prompt: "Please enter your username and password." There are two input fields: "Username" and "Password". At the bottom of the form, there are two buttons: "Login" and "Reset".

Authorization Required

Please enter your username and password.

Username

Password

Login Reset

- 2 Type your user name and password, and select the **Login** button.
  - » The EN-2000 Status Overview Screen opens (Figure D-2).

Figure D-2. EN-2000 Status Overview Screen

The screenshot shows the EN-2000 Status Overview Screen. At the top, the Encore Networks logo is on the left, and system status information is on the right: EN 2000 Phone/MTN#, Device Mode: Cell Failover, Cell Signal: -125dBm, and Operation Status: Online using WAN | Auto Refresh: on. Below this is a navigation bar with tabs for Status, System, Network, Logout, and Quickstart. The main content area is titled 'Overview' and includes sub-tabs for Routes, System Log, Realtime Graphs, and Encloud. The 'Status' section shows the device name as EN2000, device model as EN 2000, firmware version as 17322 03 12, build as 205, and local time as Wed Sep 7 16:05:49 2016. The 'Cellular Information' section shows cell signal as -125 dBm, IMEI as 359692051059211, SIM ID, and APN as VZWINTERNET. The 'Network' section is divided into three parts: CELL, LAN, and WAN. Each part shows network status, up time, MAC address, protocol, RX/TX data, and IPv4 address. The LAN MAC address is 00:A0:EB:03:04:FB. Below the network section are tables for DHCP Leases and DHCPv6 Leases. The DHCP Leases table shows one active lease for HP-p6-2016 with IPv4 address 192.168.10.198 and MAC address 38:60:77:82:55:1a. The DHCPv6 Leases table is empty, with a note 'There are no active leases.'

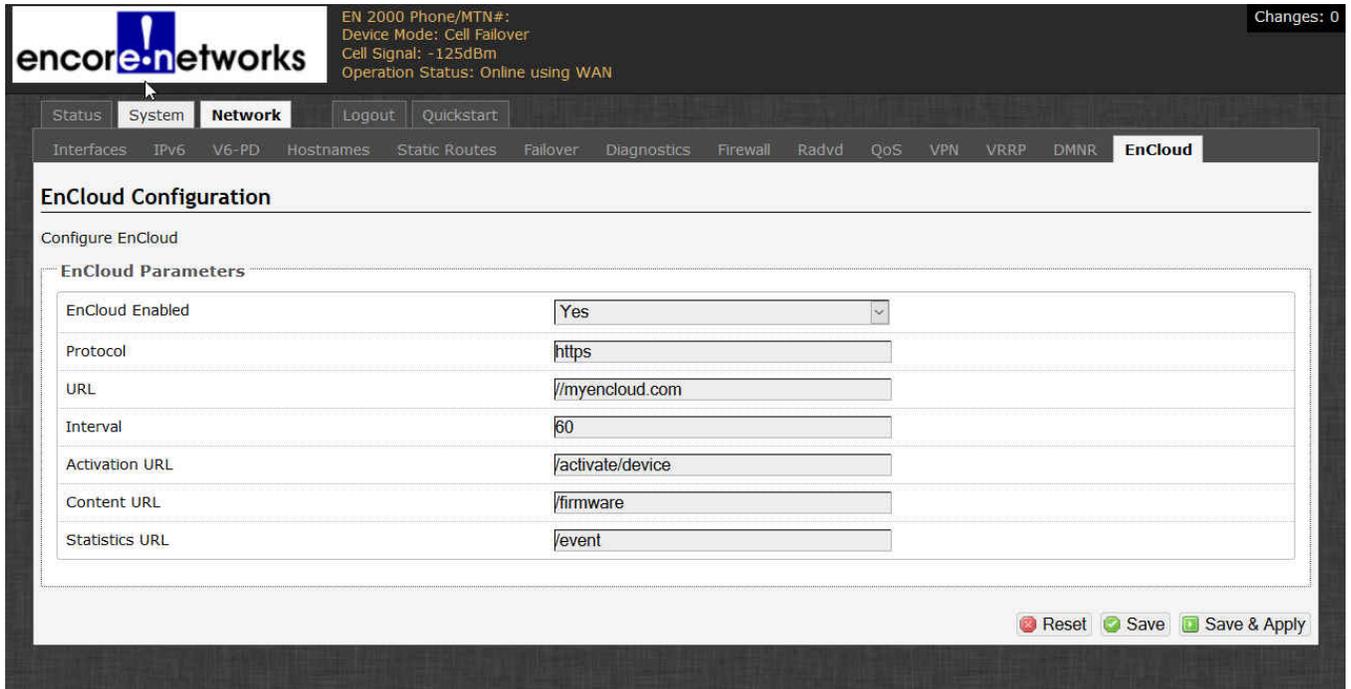
- 3 Note the LAN MAC address for the EN-2000. This is the device's Unique Identifier (UID) in enCloud. Write the LAN MAC address on a piece of paper or store it briefly in your smartphone.

Figure D-2 shows the EN-2000's LAN MAC address as 00:A0:EB:03:04:FB. Remove the colons to see the MAC address 00A0EB0304FB.

**Note:** The leading part of the MAC address, 00A0EB, identifies the device as a product from Encore Networks, Inc.

- 4 On the EN-2000 Status Overview Screen, select the **Network** tab; then select the **enCloud** tab.
  - » The EN-2000 enCloud Configuration Menu is displayed (Figure D-3).

Figure D-3. EN-2000 enCloud Configuration Menu



5 Make sure the settings for the EN-2000 enCloud Configuration Menu match those shown in [Figure D-3](#):

- enCloud Enabled Yes
- Protocol https
- URL //myencloud.com
- Interval 60
- Activation URL /activate/device
- Content URL /firmware
- Statistics URL /event

6 Select the **Save & Apply** button.

- » The EN-2000 starts sending information to enCloud.

**Note:** The EN-2000 enCloud Configuration Menu enables communication with enCloud. The EN-2000 must also be registered in enCloud. To register the device and assign it to a customer account in enCloud, see the document [Devices and Hardware Profiles in the enCloud™ Management System](#).

## D.2 Using enCloud™ to Review Device Information

After the EN-2000 has been configured to send data to enCloud, you can use enCloud to view graphic information about that EN-2000's performance.

1 Open your browser, type <https://myencloud.com> into the browser window, and press the **Enter** key.

**Note:** Not all browsers are supported in enCloud. Encore Networks, Inc., recommends use of Google's Chrome browser.

» The enCloud Log-In Screen is displayed, requesting your log-in credentials (Figure D-4).

Figure D-4. enCloud Log-In Screen

A screenshot of the enCloud log-in screen. It features a dark blue header with the text "SIGN IN NOW" in white. Below the header are two white input fields: "E-Mail Address" and "Password". Under the "Password" field, there is a checkbox labeled "Remember Me" and a link labeled "Forgot My Password". At the bottom of the form is a dark blue button with a white lock icon and the text "SIGN IN" in white.

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- 2 Type your e-mail address. (Your e-mail address is your user identifier.)
- 3 Type your password, and select the button to **Sign In**.
  - » The enCloud system opens. Your Table of Distributor Accounts is displayed (Figure D-5).

Figure D-5. Table of Distributor Accounts

The screenshot shows the 'Distributors' page in the enCloud interface. At the top, there are four summary cards: Distributors (1), Distributor Devices (6), Customer Devices (0), and Customers (1). Below these is a table with the following data:

Name	Description	Creation Date	Last Update Date	Total Customers	Total Users	Total Devices
Distributor Acct 1	-	08/18/2016 11:00:25 AM	09/01/2016 2:41:30 PM	1	1	6

The interface also includes a sidebar on the left with navigation options: Distributors, Customers, Devices, Rules, Events, Alerts, Users, and Help. The top right shows the user 'Distributor User 1 [Admin]'.

- 4 In the enCloud menu on the left side of the screen, select **Devices**.
  - » The distributor's Table of Devices is displayed (Figure D-6).

Figure D-6. Table of Devices

The screenshot shows the 'Devices' page in the enCloud interface. The table below lists the devices:

Profile	Name	Device UID	State	Online	Last Seen	Distributor	Customer	Remaining CoS	Activation Date	Subscription Start Date	Renewal Date	Creation Date	Class of Service
EN4000	Bulkload 17	00A0EB123800	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-
EN2000	Bulkload 16	00A0EB987646	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-
EN1000	Bulkload 15	00A0EB789655	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-
EN1000	Bulkload 14	00A0EB654988	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-
EN1000	Bulkload 12	00A0EB456791	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-
EN1000	Bulkload 13	00A0EB456790	PASSIVE	●	-	Distributor Acct 1		-	-	-	-	09/01/2016 4:05:25 PM	-

The interface also includes a sidebar on the left with navigation options: Distributors, Customers, Devices, Rules, Events, Alerts, Users, and Help. The top right shows the user 'Distributor User 1 [Admin]'.

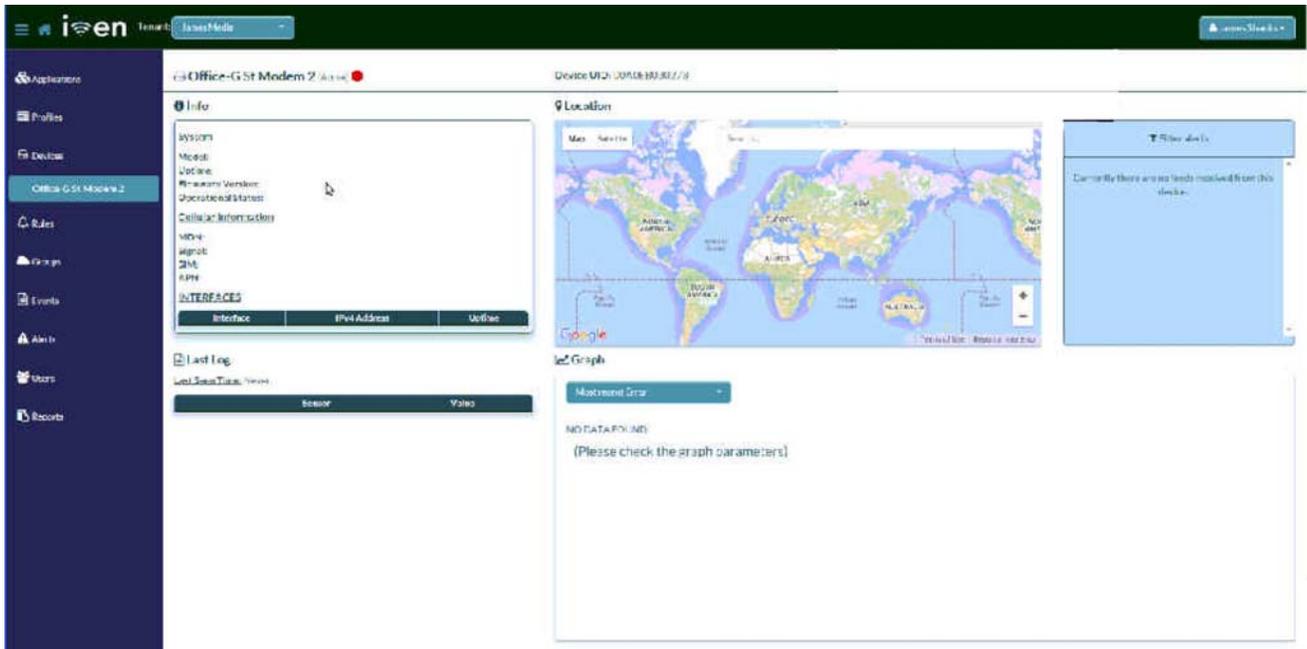
- 5 Do the following:
  - a In the table, find the device (EN-2000, in this procedure) that you configured to send info to enCloud.

**Note:** The column **Device UID** lists the UIDs for all devices in the distributor account. If you don't wish to scroll through the list of devices, type the device's UID into the **Search** field (above the right side of the table), and press the **Enter** key on your keyboard. The device will be listed, or a message will state that there is "no matching record found."

- b If the device is listed, select the device listing.
- » The device's information is displayed. (Figure D-7).

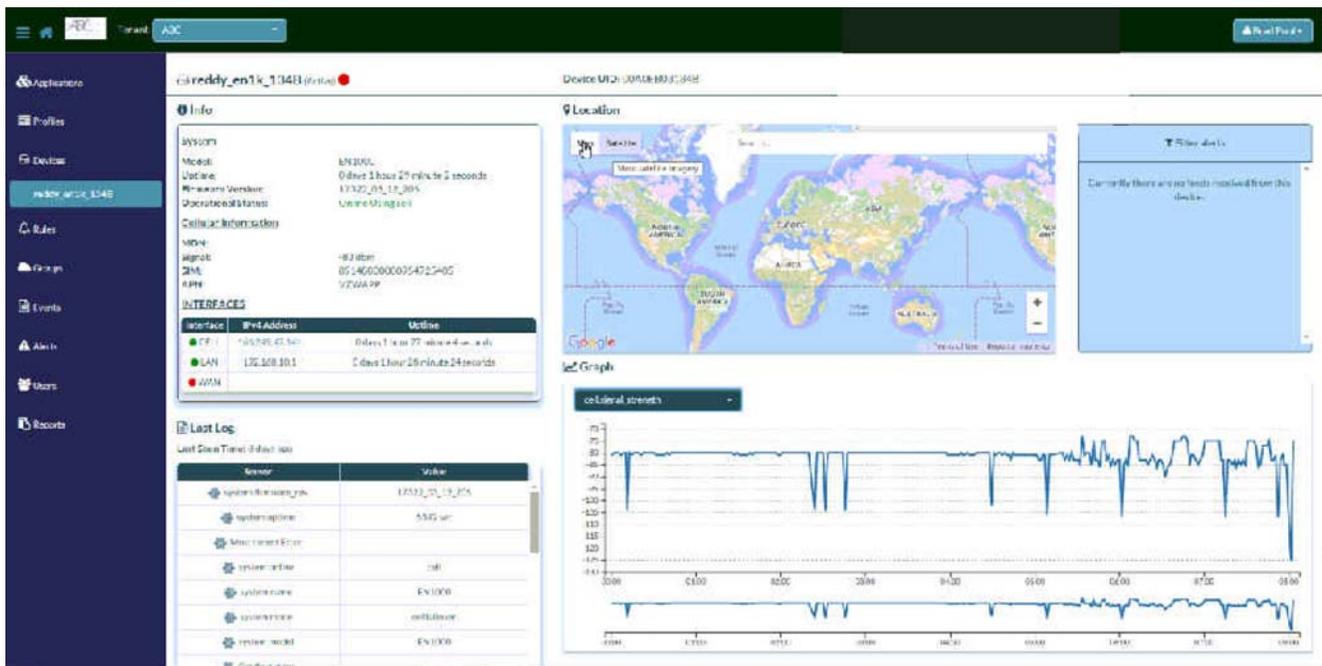
**Note:** The first time you view this screen, you might want to organize the display in a way that works well for your monitoring needs. In subsequent views for this device, the display will retain that organization.

Figure D-7. Monitoring a Device's Performance



- 6 You can also display graphs to display the information dynamically (Figure D-8).

Figure D-8. Graph of Device Activity, Pattern 1



- 7 You can select other types of data to monitor, which may display a different pattern of activity (Figure D-9).

Figure D-9. Graph of Device Activity, Pattern 2

