



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:

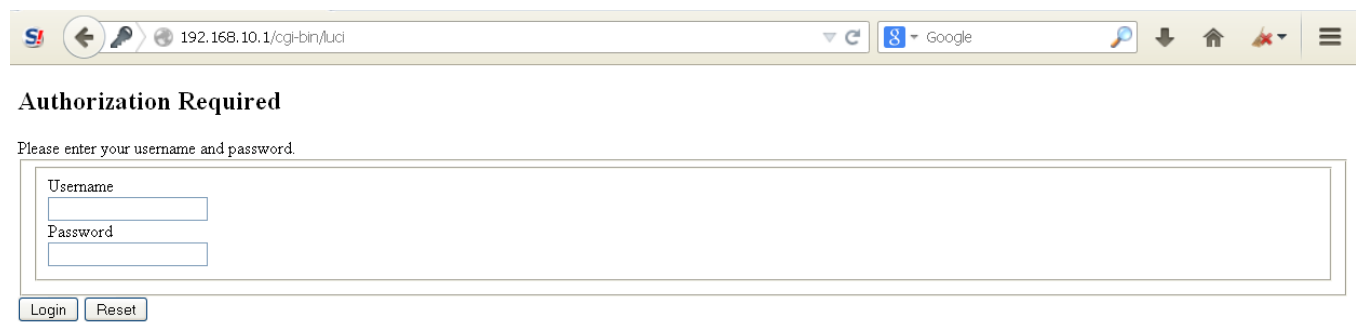
- [Section D.1, Configuring an EN™ Device to Send Data to enCloud™](#)
- [Section D.2, Using enCloud™ to Review Device Information](#)

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, Operation Status: Online using WAN | Auto Refresh: on. The main content area is divided into several sections:

- Status:** Uptime: 44d 11h 11m 3s
- System:** Device Name: EN2000, Device Model: EN 2000, Firmware Version: 17322 03 12, Build: 205, Local Time: Wed Sep 7 16:05:49 2016
- Cellular Information:** Cell Signal: -125 dBm, IMEI: 359692051059211, SIM ID, APN: VZWINTERNET
- Network:** A table showing network status for CELL, LAN, and WAN. The LAN section is highlighted in blue.

Network	Status
CELL	Uptime: 0h 0m 0s MAC-Address: 94:B9:B4:18:E0:7E Protocol: dhcp RX: 3.18 MB (61206 Pkts.) TX: 502.74 MB (1279238 Pkts.)
LAN	Uptime: 44d 11h 10m 40s MAC-Address: 00:A0:EB:03:04:FB Protocol: static RX: 3.95 GB (17994062 Pkts.) TX: 45.52 GB (37041406 Pkts.) IPv4: 192.168.10.1/24
WAN	Uptime: 1d 19h 25m 30s MAC-Address: 00:A0:EB:03:04:FC Protocol: dhcp RX: 1.14 GB (56873525 Pkts.) TX: 4.26 GB (19048448 Pkts.) IPv4: 192.168.101.106/24
- DHCP Leases:** A table with columns: Hostname, IPv4-Address, MAC-Address, Leasetime remaining. One lease is shown for HP-p6-2016 with IPv4-Address 192.168.10.198 and MAC-Address 38:60:77:82:55:1a.
- DHCPv6 Leases:** A table with columns: Hostname, IPv6-Address, DUID, Leasetime remaining. It shows "There are no active leases."

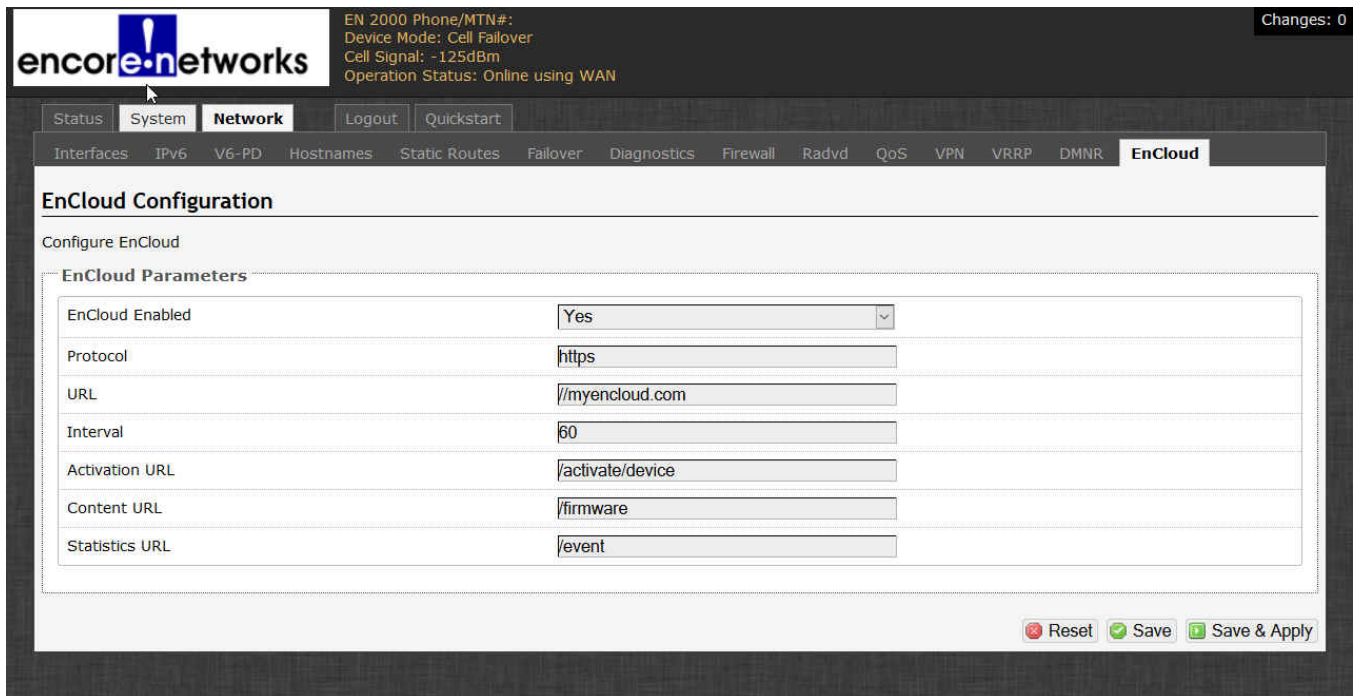
- 3 Note the LAN MAC address for the EN-2000. This is the device's Unique Identifier (UID) in enCloud. Write the LAN MAC address on a piece of paper or store it briefly in your smartphone.

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 search bar, a '100 records per page' dropdown, and navigation buttons like '<< First', '< Previous', '1', 'Next >', and '>> Last'.

- 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 search bar, a '10 records per page' dropdown, and navigation buttons like '<< First', '< Previous', '1', 'Next >', and '>> Last'.

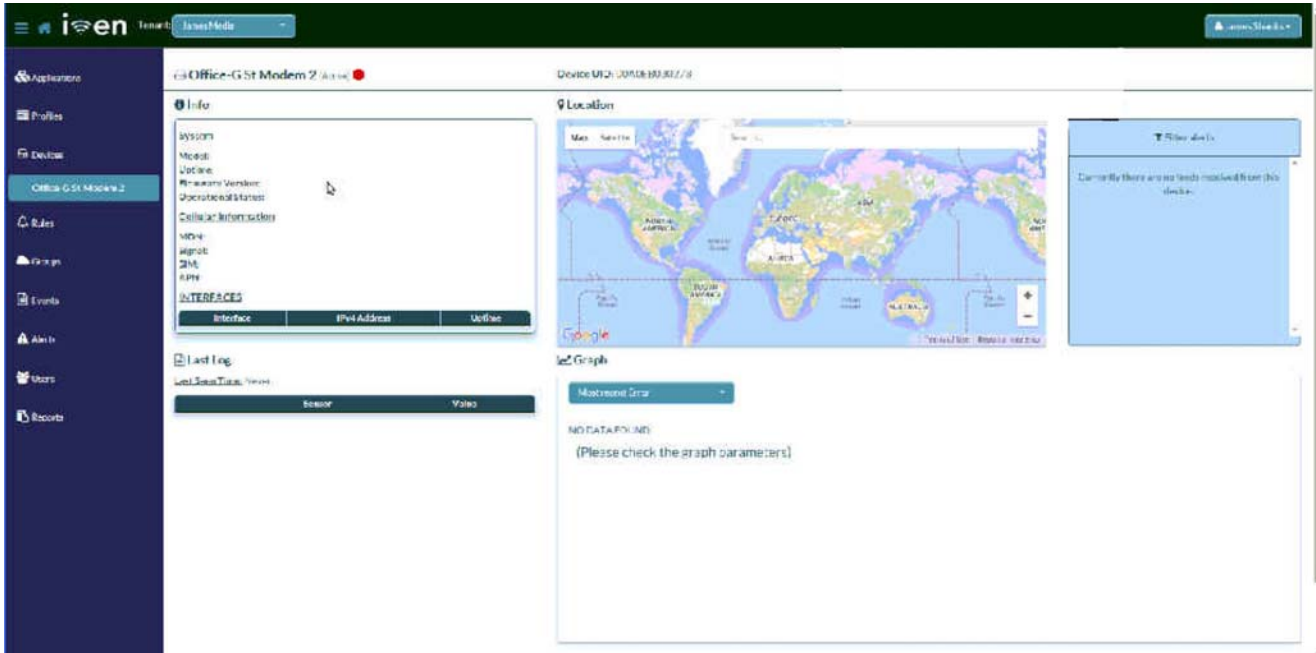
- 5 Do the following:
 - a In the table, find the device (EN-2000, in this procedure) that you configured to send info to enCloud.

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).

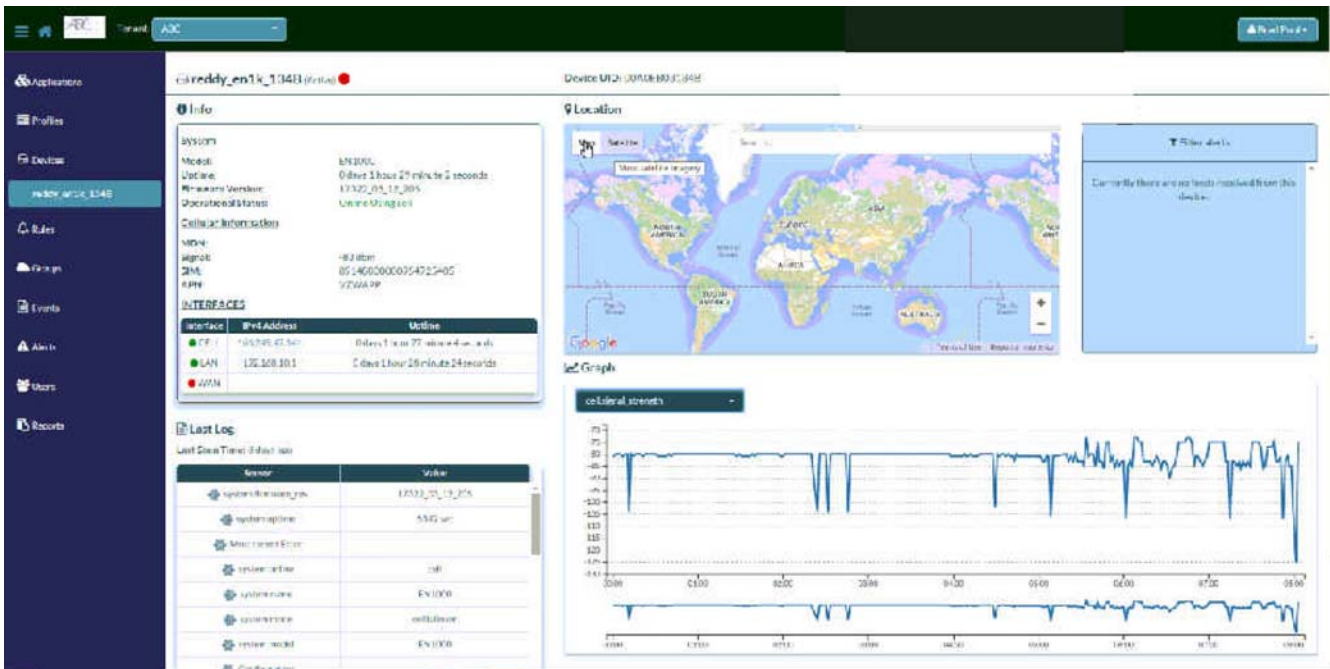
Note: The first time you view this screen, you might want to organize the display in a way that works well for your monitoring needs. In subsequent views for this device, the display will retain that organization.

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

