enfora®
Enable Information Anywhere

Application Note
GSM0000AN021

Access the Enfora
Test Server
Rev. 1.00

Enfora, Inc.
www.enfora.com

Objective:

This document will help the user configure their Enfora modem so it can communicate with the Enfora test server. Communicating with the Enfora test server will ensure that the modem is configured correctly, and ready to use.

Configuration Instructions:

To configure the modem for server interoperability, several things have to be addressed:

- Most GPRS configurations are **Mobile Originate** only. The mobile modem must initiate a conversation with a remote server before the remote server can talk to the modem.
- IP addresses are dynamically assigned and can change.
- Some IP addresses are NAT and are non-routable.

These issues are addressed with the following configuration commands.

The examples will use the following information:

- Modem ID/name = "MT_Test"
- Remote Server address = **http://apitest.enfora.com**
- Remote Server IP port = 1721

Give the modem a unique name with the following command:

AT$MDMID="MMT_Test"

NOTE: This command, combined with the wakeup message, will allow the server to associate a Public IP address with a specific modem and create a window of opportunity where the server can send commands to the modem.

Configure the modem to talk with a specific server with the following command:

AT$FRIEND=1,1,"apitest.enfora.com"

NOTE: To use the DNS, you must be using firmware version 0.7.6.

Set the port number with the following command:

AT$UDPAPI=,1721

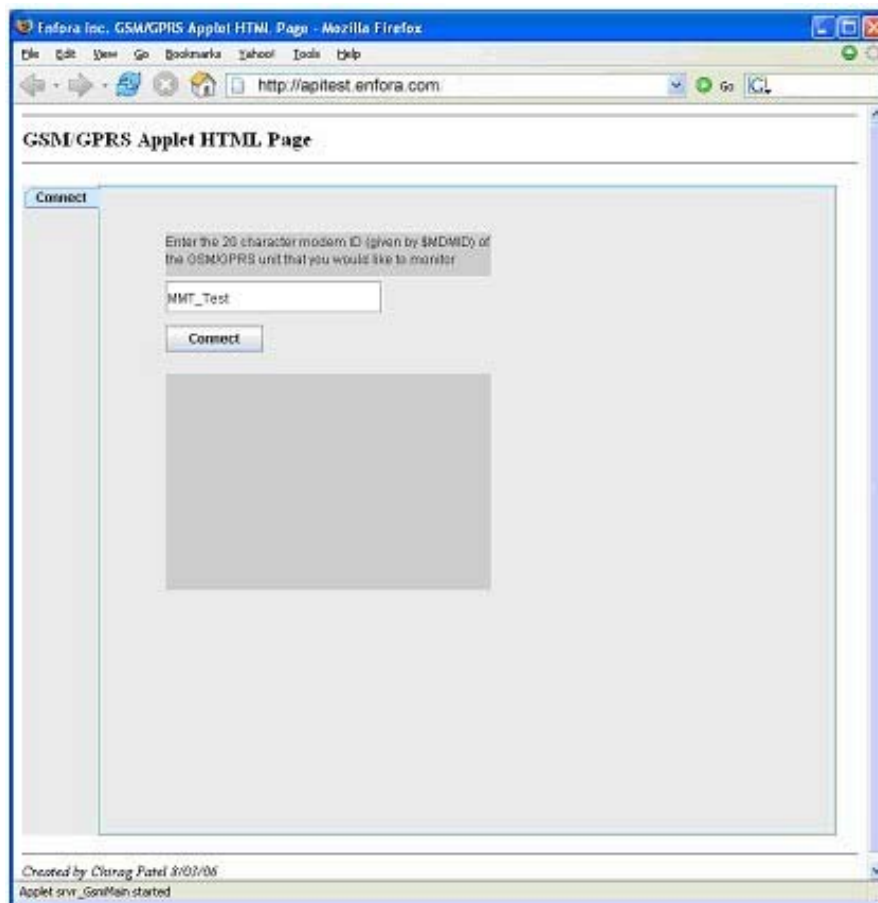Enable periodic messages (wakeup) to be sent to the server every 60 seconds with the following command:

AT$WAKEUP=1,1

Verifying Server connectivity.

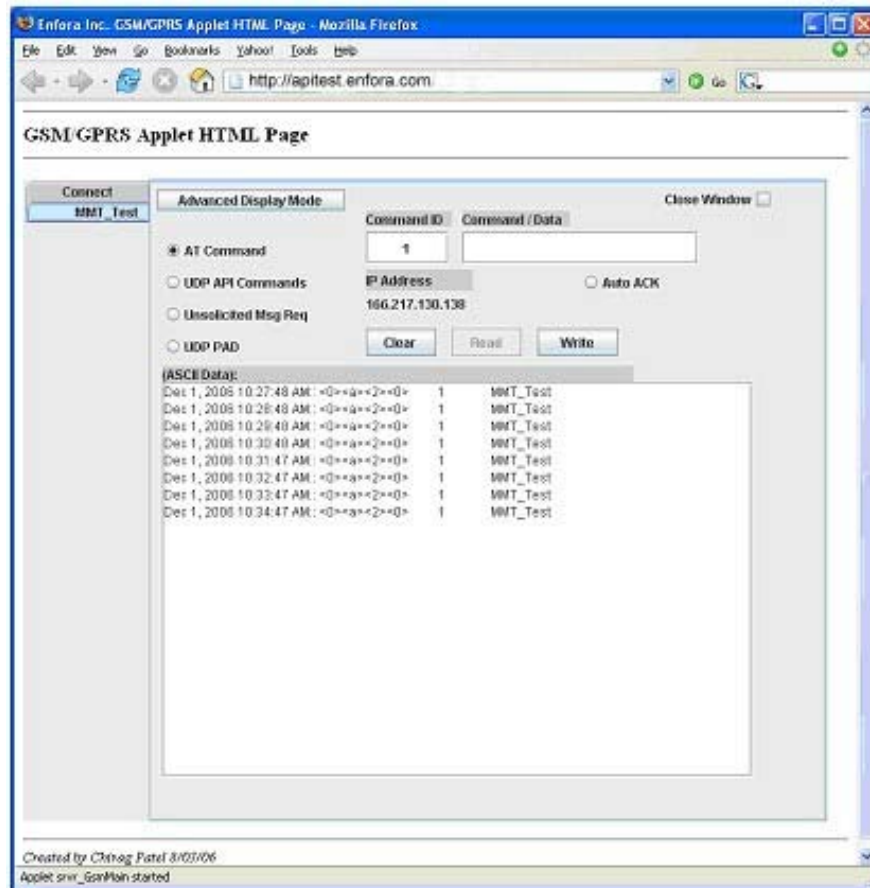For the following tests, Java Runtime must be installed on the computer. (To install Java Runtime, please visit the Java website here: http://www.java.com/en/download/manual.jsp)

1. Start Internet Explorer and enter the following URL:

   http://apitest.enfora.com/udpapp

2. Enter the name used in the Modem ID (MDMID) command in the box.

3. Select **Connect.**

4. Select the tab with the modem name (MMT_Test). Within approximately 60 seconds wakeup messages should be seen in the window.

    NOTE: Selecting the **Clear** button will erase the contents of the **(ASCII Data):** window.

5. Enter the following command in the **Command / Data** text box:

    ATI

6. Click on the **Write** button.

7. Verify that you see the following modem response showing Enfora, Inc. If so, you have successfully configured the modem to talk with the server.