

Rest Server Quick Start

July 25, 2023 3:42 PM

Purpose:

This document provides the basic steps to setup the 10.6A PL/B Web Server and 10.6A PLBWIN to demonstrate the PWS RESTAPI Services.

Requirements:

1. 10.6A PL/B Web Server.
2. 10.6A PLBWIN, PLBNET, or PLB (Unix) runtime.

Demo Programs:

When the PL/B Web Server is configured to support the RESTAPI services, it executes a configuration command line that invokes a PLB runtime to process an HTTP request received from a client browser executing an HTML web page with JavaScript routines.

PHONEMSG

This program processes a RESTAPI request by using the RUNTIME object 'CgiString' method to access CGI keyword data. Depending on the type of RESTAPI request received, the program uses DBxxxxx statements to access a SQLite test database. Once the request data is properly processed, an HTTP response is returned using the RUNTIME object 'HttpResponse' method. This program is implemented to do simple manipulation of a SQLite test database to fetch, write, and delete messages.

Html Web Pages, CSS, and Javascript Demo:

Restmain.html - Main page with description of supported REST methods.

Restentry.html - Page to allow entry of a phone message.

Restquery.html - Page to allow query of messages. Messages can be filtered by To name.

Restsupp.css - CSS support file.

Resetsupp.js - Javascript support file to be modified by user.

Configurations and Setup:

1. Copy the plbwebsrv_rest.ini file to the c:\sunbelt\plbwebsrv.106A\code directory
2. Copy the plbwin_rest.ini file to the c:\sunbelt\plbwebsrv.106A\code directory
3. Copy the phonemsg.plc file to the c:\sunbelt\plbwebsrv.106A\code directory
4. Create the c:\sunbelt\plbwebsrv.106A\code\restapi directory

Steps to Run RESTAPI Demo Using Customer 10.6A PWS:

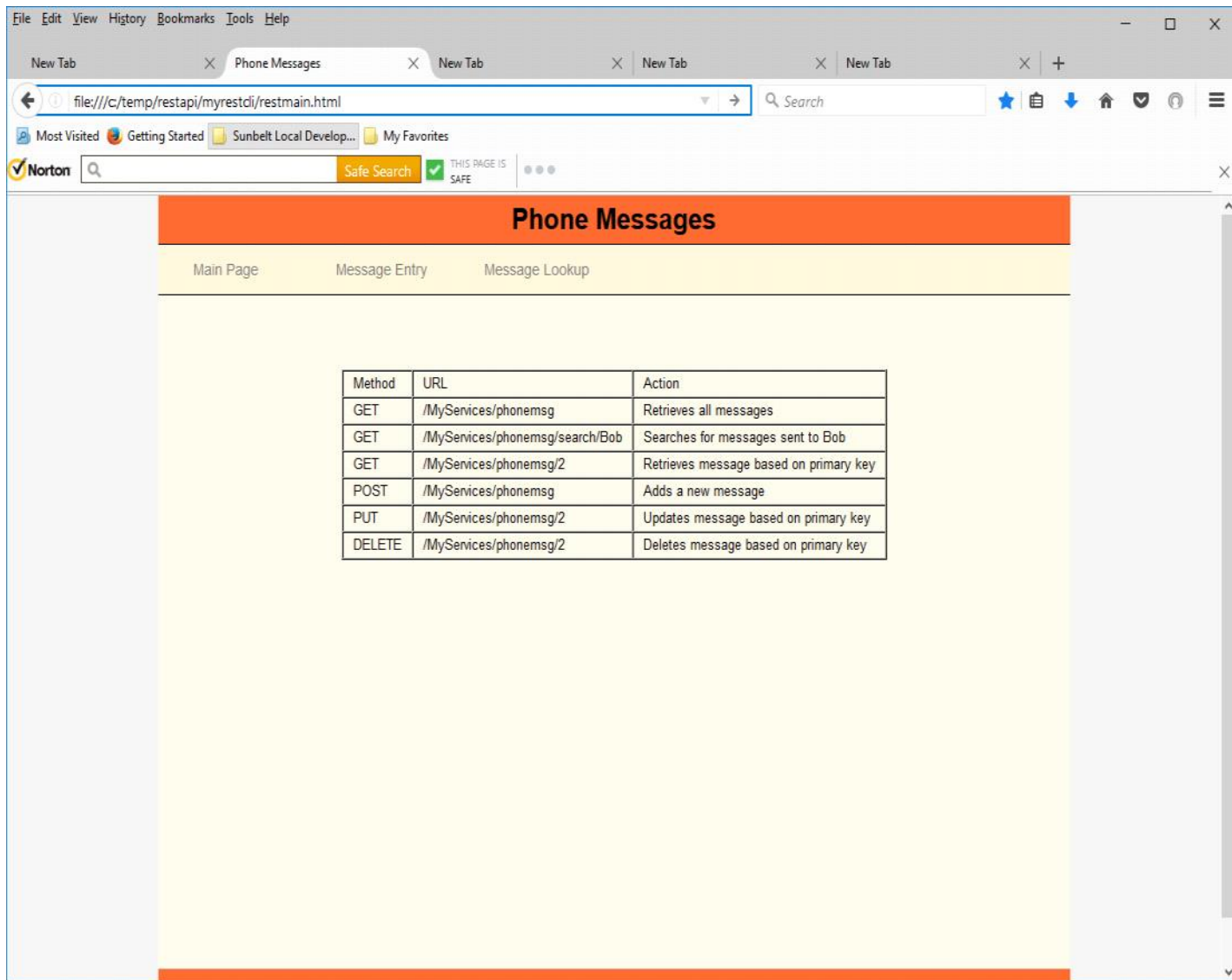
1. Start PWS Server in the c:\sunbelt\plbwebsrv.105a\code directory using the command line:

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plbwebsrv plbwebsrv_rest.ini -s
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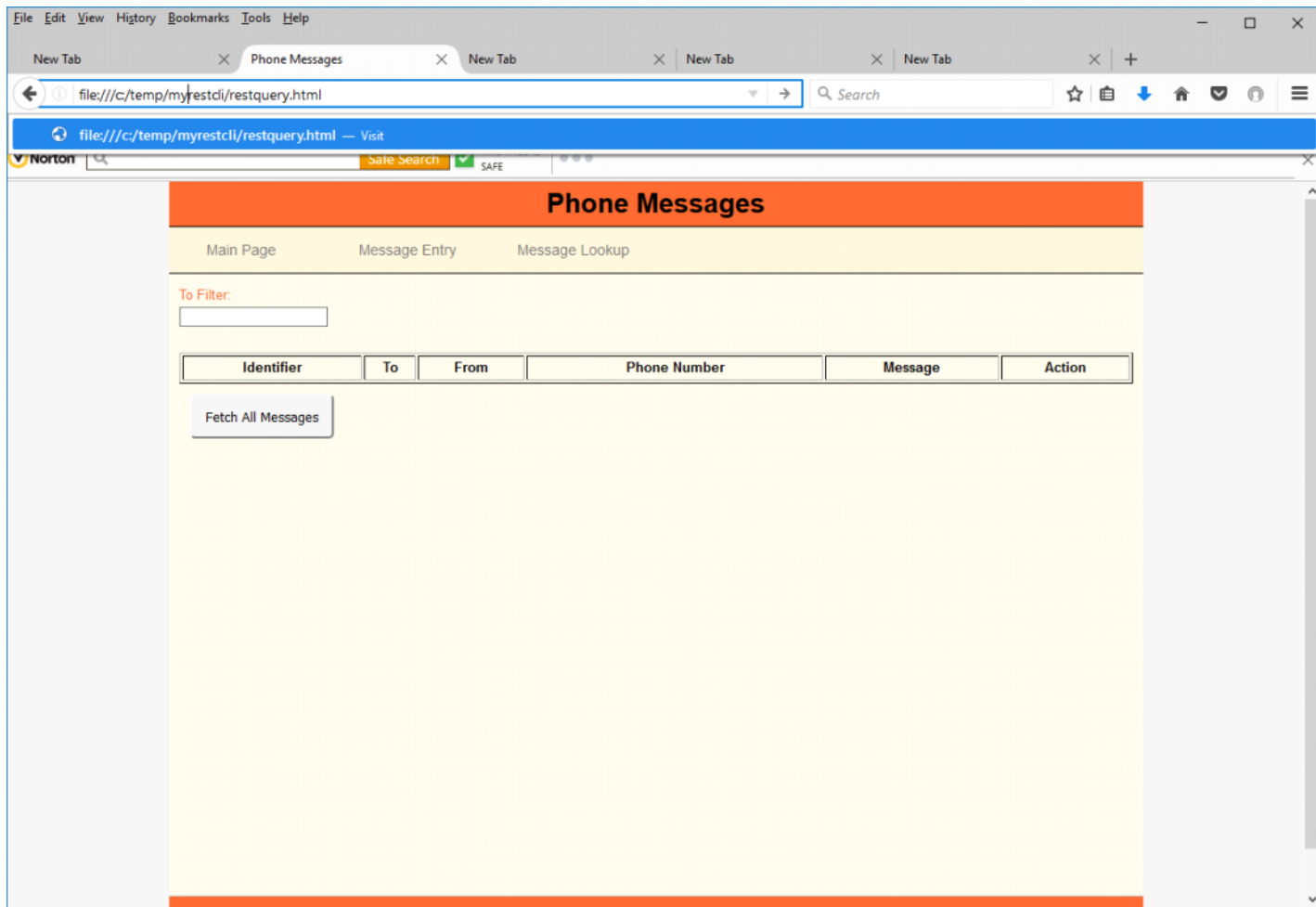
2. Using any Browser, enter and execute the URL command as follows:

file:///C:/Sunbelt/sunbelt-plb-samples/rest_server/webpages/restmain.html

3. The Sunbelt RestCli Main Web Page Appears as follows:



1. Use Menu Items to select the 'Message Lookup'. Then click on 'Fetch All Messages' to see the following:



1. Various RestApi Service requests can be executed.