5250 HTML Workstation Gateway Configuration AS/400 Server and PC

Plain Explanation: AS/400 applications are display-oriented, so each application creates its own displays. These displays are sent out in a 5250 data stream format to the workstation. The Workstation Gateway, which is part of the Internet Connection for AS/400 intercepts this 5250 data stream and converts it to HTML. This is the standard format for Web Browsers. As a result, any Web browser can be used to view AS/400 applications.

AS/400 Server Architecture

Application:
• Inventory
• Orders
• Sales

5250 Workstation Gateway

LAN using TCP/IP

Perle 833/833IS/833AS

Workstation with Graphical Web Browsers and TCP/IP protocol
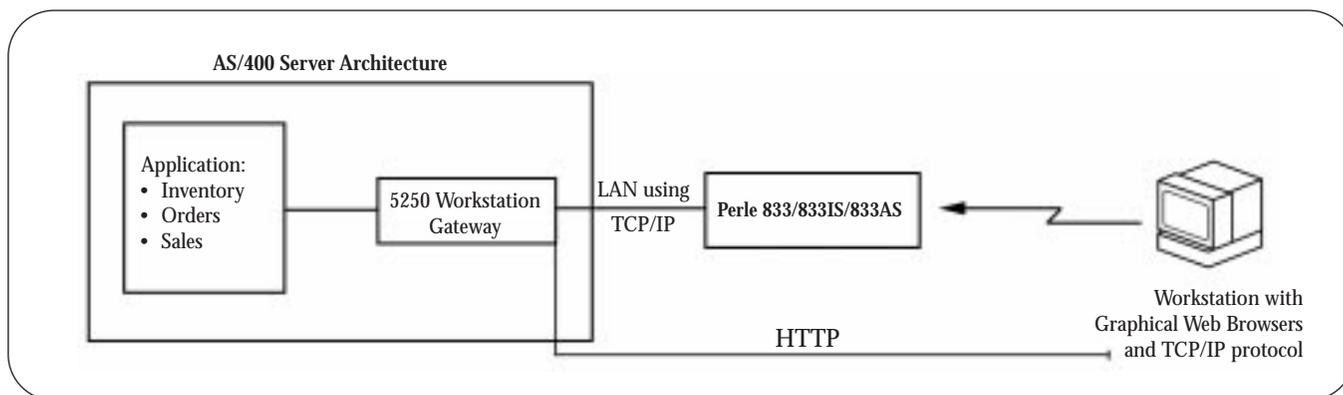
HTTP

The AS/400 HTML Gateway feature is part of the Internet Connection for an AS/400, which will have to be installed and configured. Once this is done, any application on the AS/400 can be viewed over HTTP.

The Internet Connection feature of the AS/400 operates under OS/400, Version 3, Release 2 or later. It enables the OS/400 to deploy a set of functions, which support the World Wide Web. These functions are:

- **Hypertext transfer protocol (HTTP)** server based on the TCP/IP protocol can provide objects to any local or remote Web browser. The HTTP server includes support for the DB2 integrated database.
- **5250/HTML Workstation Gateway** enables all Web browsers to be clients of existing 5250 applications without making any changes to the application, including a logging ability to track HTTP server use.
- **Post Office Protocol Version 3 (POP3)** server enables mail serving in a TCP/IP environment.
- **Offers serial connections of SLIP support.**

The 5250 HTML Workstation Gateway should not be confused with the HTTP Web Server. The 5250 HTML Workstation Gateway converts 5250 data stream to HTML and the HTTP Web Server lets the AS/400 system to act as a World Wide Web server. These are two separate servers on the AS/400.

The 5250 HTML Workstation Gateway lets you think that the browser is logically attached to the AS/400 systems even if each transaction between the browser and the AS/400 is disconnected. The AS/400 server maintains the virtual terminal API connection up or until the browser logs off or the inactivity time-out value is exceeded.

AS/400 Configuration to support 5250 Workstation Gateway

Verify that the AS/400 operating systems is OS/400 Version 3.2 or greater. The easiest way to configure the 5250 HTML Gateway is to use the menus. The following examples show the sequence of the configuration command:

GO TCPADM

1   Configure TCP/IP

20   Configure TCP/IP Application

14   Configure HTTP

1   Change HTTP attributes

Set AUTOSTART to *YES and press ENTER

10   Configure Workstation Gateway

1   Change Workstation Gateway attributes

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AS/400 Configuration to support
5250 Workstation Gateway continued...

Set AUTOSTART option to *YES
Set DISPLAY SIGN ON PANEL to *YES
and then press ENTER

GO TCPADM

4   **End TCP/IP**
5   **Start TCP/IP**

PC Configuration for AS/400
Workstation Gateway access

You can use any type of operating systems supported by a Perle 833/833AS/833IS, which can run a graphical Web Browser. Then do the following:

- Install a browser as Netscape or Explorer on your workstation.

- Dial-in to the Perle RAS using TCP/IP protocol.

- Start the browser and enter the following URL address to start the 5250 to HTML Workstation Gateway:

  http://hostname:5061/WSG or **http://AS/400 IP address:5061/WSG**

Where:

http: Defines which protocol to be used.

hostname Identifies the system to be reach. This can be the name of the AS/400 or his IP address.

:5061   Is the default port for the Workstation Gateway server.

WSG   Specifies to use the HTML Workstation Gateway function. WSG must be in uppercase.

PC Configuration for AS/400
Workstation Gateway access continued...

Now you should receive the AS/400 sign on screen. It is recommended to use the visual button from your browser then the keys from your keyboard.

Following you will find the AS/400 sign on screen as seen by the Netscape and Microsoft Explorer browsers:

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