

OnDemand
Remote Port Access (RPA) Host Server
User Guide
Release 2.0



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OnDemand User Guide

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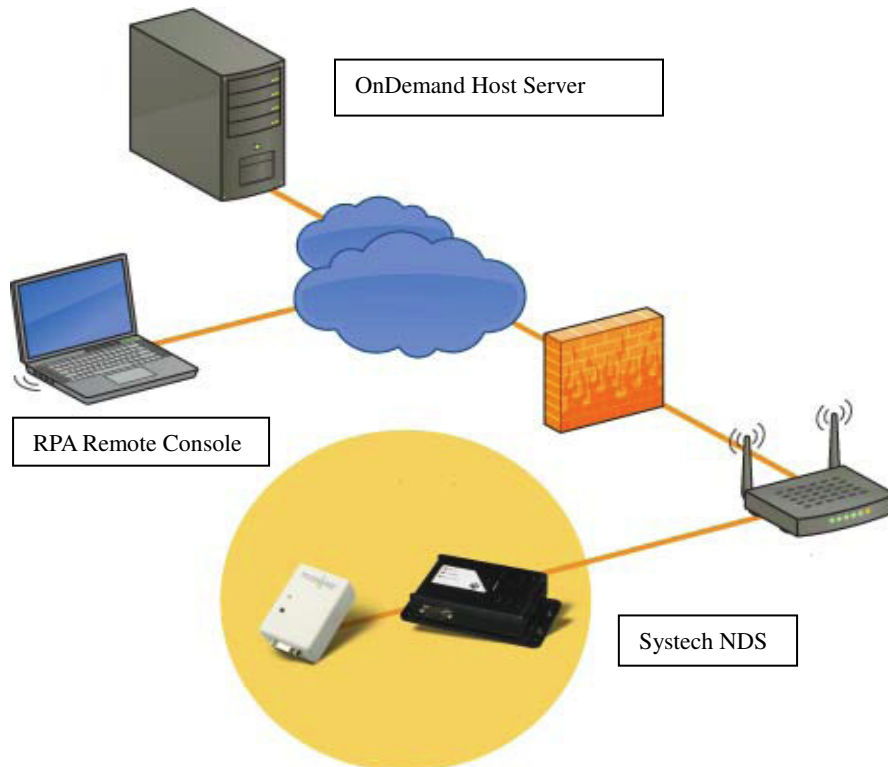
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OnDemand 2.0 Remote Port Access (RPA) Host Server User Guide

Congratulations on your purchase of the OnDemand 2.0 Remote Port Access (RPA) Server software suite! The OnDemand 2.0 RPA Server has three components: the Remote Port Access (RPA) Client that is installed in a Remote Console, a specially configured Systech network device server (NDS), and a Host Server. This guide addresses the use of the Host Server.

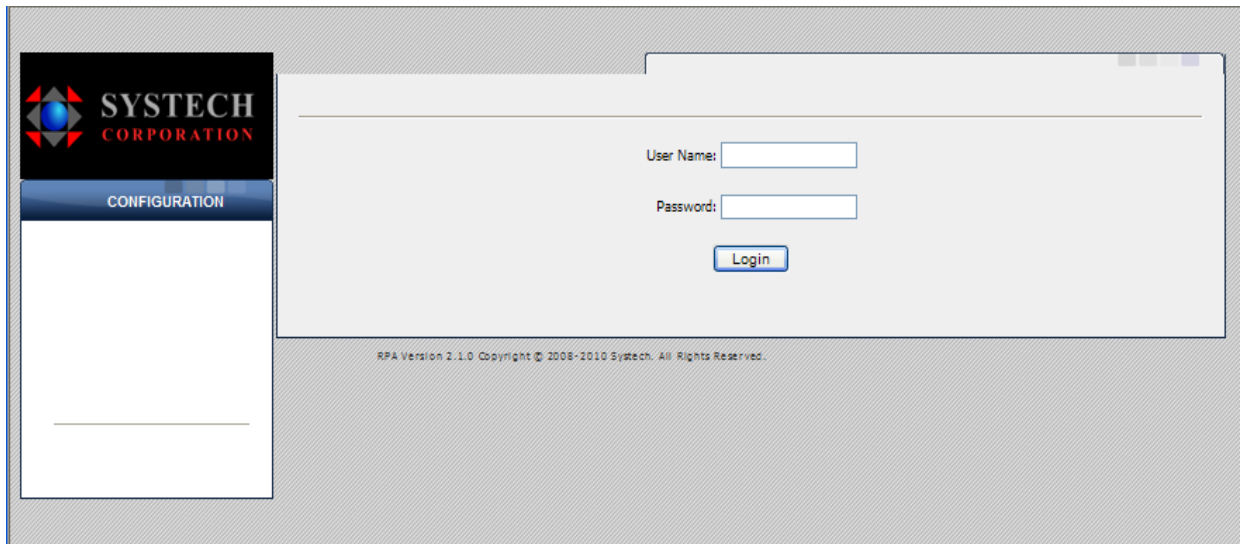


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1. To begin, enter the name or the URL of the Host Server into the address field of your web browser.

<http://207.212.80.167>

The following screen will appear:



SYSTECH CORPORATION

CONFIGURATION

User Name:

Password:

Login

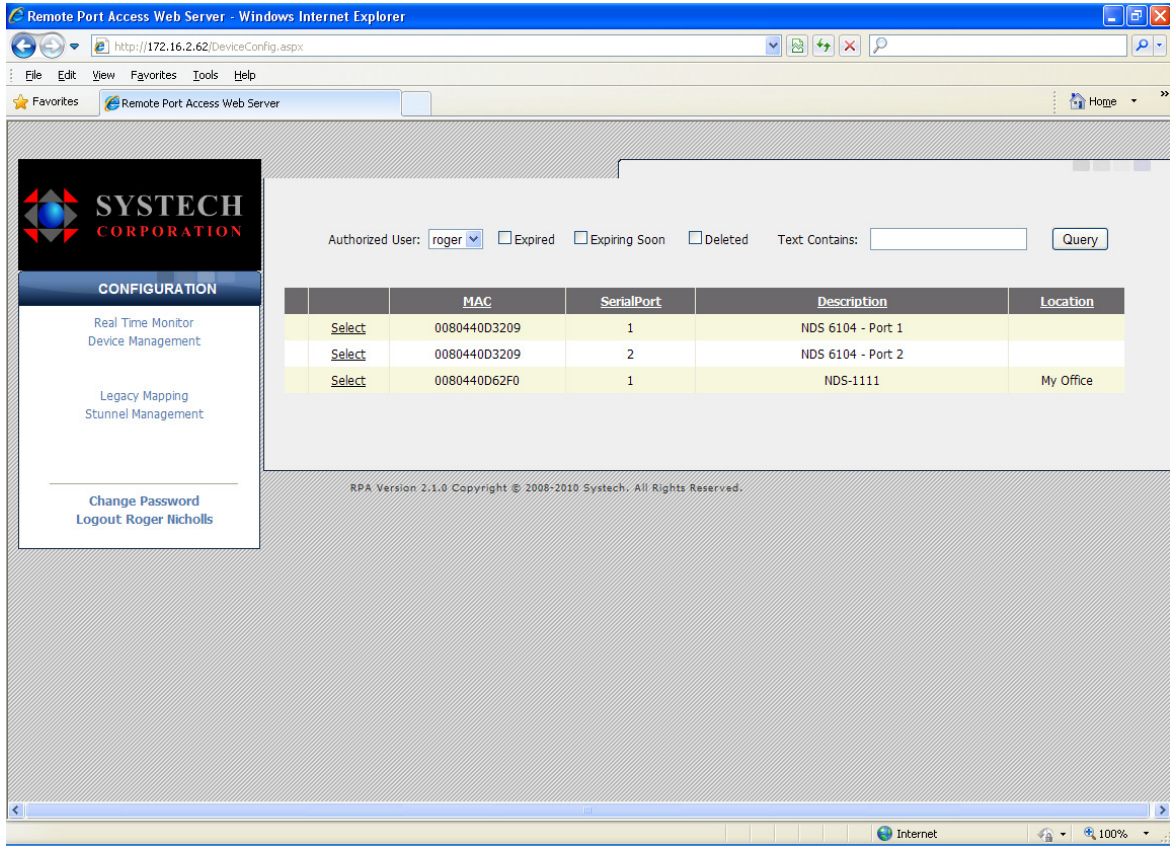
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2. Enter the name and password that has been assigned to you by your Systech Customer Service Representative into the fields that have been provided. Remember when typing or setting a password that the RPA Server password is case sensitive.

When you have entered your name and password, click the **LOGIN** button to proceed

Device Management Page

The first screen seen after a login to the new web control panel will be the Device Management page, pictured below. Screen views vary according to your account type.



From this screen, users and administrators can query and edit the devices available to them.

The top portion of the screen is the query interface.

The **Authorized User** drop down at the top left allows a query view by a user's authorized devices. Administrators have the option to show ALL devices, as well as choosing NONE which shows all the devices which are not assigned to anyone.

A search for devices which are **Expired** and/or **Deleted** is enabled using the check boxes. The **Expiring soon** is based upon 45 days

Finally, the **Text Contains** entry allow text (such as part of the Devices description or MAC address) to find devices. The text entry is not case sensitive.

Note, that all of the query qualifiers operate on the AND metaphor. The query searches for devices that match ALL selected criteria on the query interface. In other words, a query by a particular authorized user with Expired checked and Text Contains "Office" will only find devices with that user and that is expired and has "Office" or "office"

Below the query interface screen are devices showing the results (if any) of your query.

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These results can be sorted by clicking the column headers. This area below the query results is known as the “Device Detail” area.

The screenshot shows the Remote Port Access Web Server interface in Internet Explorer. The browser address bar shows `http://172.16.2.62/DeviceConfig.aspx`. The page features a sidebar with the SYSTECH CORPORATION logo and a navigation menu under "CONFIGURATION" including "Real Time Monitor Device Management", "Legacy Mapping", and "Stunnel Management".

At the top right, there is a search area with "Authorized User: roger" and checkboxes for "Expired", "Expiring Soon", and "Deleted". A "Text Contains:" field and a "Query" button are also present.

The main content area displays a table of device configurations:

	MAC	SerialPort	Description	Location
Select	0080440D3209	1	NDS 6104 - Port 1	
Select	0080440D3209	2	NDS 6104 - Port 2	
Select	0080440D62F0	1	NDS-1111	My Office

Below the table is the "Device Detail" form for the selected device (MAC: 0080440D3209, Serial Port: 1). The form includes fields for MAC, Description (NDS 6104 - Port 1), Location (Office 1), Authorized Users (Roger), Activation Date (8/25/2010), Serial Port (1), Add User (roger), Expiration Date (10/24/2011), and Deleted (checkbox). A "Notes" section with a text area and a "Save Changes" button is at the bottom.

At the bottom of the page, the footer reads: "RPA Version 2.1.0 Copyright © 2008-2010 Systech. All Rights Reserved."

Finally, selecting one of the queried results with the **Select** link will bring up the Device Detail, shown at the bottom of the screen.

The Device Detail interface can authorize or remove **Authorized Users** from a particular device.

Note: only users can be granted device access (**Add User**), not administrators.

Additionally, details about the device, such as **Description**, **Location**, etc can be entered.

When changes made to your device are completed, click the **Save Changes** button.

As you use the OnDemand 2.0 RPA Server software, you will note that a **Configuration Menu**, pictured below, will always appear on the left of the console screen.



The **Configuration Menu** provides an entry point to all five sections of the OnDemand 2.0 RPA Server Host application, as well as to the logout function. You will use the **Configuration Menu** to move from section to section. You may select a different section by placing the mouse cursor on the section's title and depressing the left mouse button.

RealTimeMonitor.

The *Real Time Monitor* section provides you with a summary-at-a-glance and status of all remote consoles and Systech Network Device Servers (NDS) that are a part of your OnDemand RPA virtual network. To move to the *Real Time Monitor* section, highlight the section's title and depress the left mouse button.



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The following screen will appear:

The screenshot displays the Remote Port Access Web Server interface in a Windows Internet Explorer browser. The browser's address bar shows the URL <http://172.16.2.62/Default.aspx>. The page features a navigation menu on the left with the SYSTECH CORPORATION logo and options like 'CONFIGURATION', 'Real Time Monitor', 'Device Management', 'Legacy Mapping', 'Stunnel Management', 'Change Password', and 'Logout Roger Nicholls'. The main content area is titled 'REAL TIME MONITOR' and is divided into four sections:

- Host Server:** A table with columns Name, Status, IP Address, and Port. It contains one entry: WS08R2STD-RPA01 with a green status indicator, IP 172.16.2.62, and port 8011.
- Active Devices:** A table with columns Mac, Description, Status, Active, SerialPort, and User. It contains one entry: 0080440D3209, NDS 6104 - Port 1, with green status and active indicators, SerialPort 1, and User roger.
- NDS Devices:** A table with columns Mac, Description, Status, Active, and SerialPort. It contains three entries:

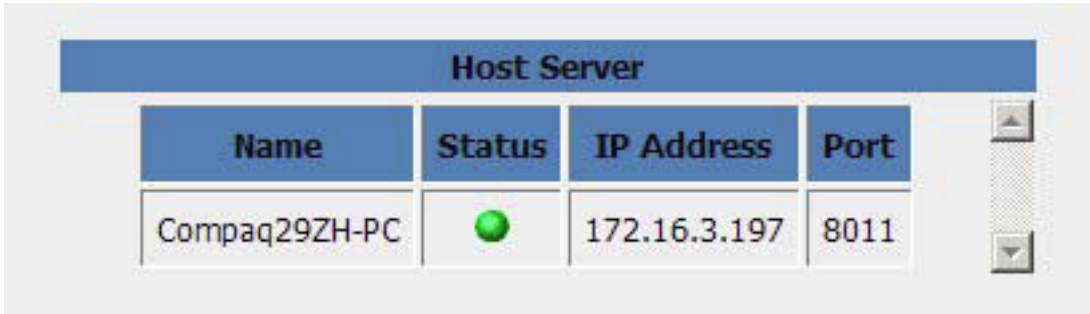
Mac	Description	Status	Active	SerialPort
0080440D3209	NDS 6104 - Port 1	Green	Green	1
0080440D3209	NDS 6104 - Port 2	Green	Red	2
0080440D62F0	NDS-1111	Red	Red	1
- Legacy Status:** A section titled 'Legacy Status' containing a table with columns Name, Status, Port, and Mapped Unit.
- NDS Devices (Bottom):** A table with columns MAC, Status, SerialPort, and Mapped Listener. It contains three entries:


MAC	Status	SerialPort	Mapped Listener
0080440D3209	Green	1	---
0080440D3209	Green	2	---
0080440D62F0	Red	1	---

The footer of the page reads: RPA Version 2.1.0 Copyright © 2008-2010 Sysstech. All Rights Reserved.

You will note that the *Real Time Monitor* section has been divided into four areas: the *Host Server* area is located at the beginning of the section, the *Active Devices* area is next and the *NDS Devices* are third. Lastly there is a Legacy Status section that may be safely ignored by new users of the RPA software.

1. The first area, which is located at the beginning of the section, has information that pertains to the status of the OnDemand RPA **Host Server**. There are four columns of information in the Host Server part, which are labeled *Name*, *Status*, *IP Address* and *Port*.



Host Server			
Name	Status	IP Address	Port
Compaq29ZH-PC		172.16.3.197	8011



- a. The *Name* field contains the identity of the computer that is running the OnDemand RPA Host Server software. This system routes traffic between your NDS Server and your console servers in a transparent and secure manner.
- b. The *Status* field contains an indicator “light” that will be colored either red or green. When the host server is not in an active state, the indicator will be red. When the host server is in an active state, the indicator will be green.
- c. The *IP Address* field contains the network address for the host server. Every device that is connected to a public IP network must have a unique address. This address is presented in a “dot-quad” format as shown below:







Sample IP Address

172.16.3.197

- d. The *Port* field contains the port address that is used by the NDS unit to communicate with the host server.

2. The second and third areas of the display use the same formatting and columns to display two different types of information. The **Active Devices** section shows the devices that have a currently active connection to a RPA Tunnel Client (explained below) and the **NDS Devices** section lists all devices regardless of their connection status.

Active Devices					
Mac	Description	Status	Active	SerialPort	User
0080440D3209	NDS 6104 - Port 1			1	roger

NDS Devices				
Mac	Description	Status	Active	SerialPort
0080440D3209	NDS 6104 - Port 1			1
0080440D3209	NDS 6104 - Port 2			2
0080440D62F0	NDS-1111			1

Each of your Systech Network Device Servers, which have been activated on the virtual network, will automatically register with the OnDemand RPA Host Server. This registration is completed at the time that the Systech Network Device Server is connected to the network.

The **NDS Devices** area has five columns: the **MAC** address, the **Description**, the **Status** indicator, the **Active** indicator and the **Serial Port** number.

- a. The **MAC** field contains the unique hardware address for each of your NDS units, which are a part of the OnDemand RPA virtual network. The first six characters of the MAC address (008044) are fixed. These six characters indicate that the device was manufactured by Systech. The last six characters represent a unique identity that was assigned to each unit when it was created by Systech. You will note that the MAC addresses are listed in increasing numeric order.
- b. The **Description** field displays the description that has been entered for the device

- c. The **Status** field contains an indicator “light” that is either colored red or green. When the device is not in contact with the RPA server, the indicator will be red. When the device is in contact with the RPA server the indicator will be red
- d. The **Active** field contains an indicator “light” that is either colored red or green. When the device is has an active connection to an RPA Client Tunnel, the indicator will be green. When the device does not have an active connection to an RPA Client Tunnel, this indicator will be red.


Additionally, devices with active connections will appear in the “**Active Devices**” section along with the username of the connect client.




- e. The **SerialPort** column contains an entry for each RS-232, 485 or 422 port that is on one of your NDS units if that port has been configured with the RPA software and is connected to the OnDemand RPA virtual network. For example, if your NDS unit has eight serial ports and each of the eight ports has been configured to support OnDemand RPA Server, there will be eight entries.

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The next view when scrolling down is the “**Legacy Status**” page, displayed below.

Legacy Status

Clients			
Name	Status	Port	Mapped Unit
9002		9002	0080440D3209:1

NDS Devices			
MAC	Status	SerialPort	Mapped Listener
0080440D3209		1	---
0080440D3209		2	---
0080440D62F0		1	---

New users of the RPA system can safely ignore this Legacy Information.

ChangePassword.

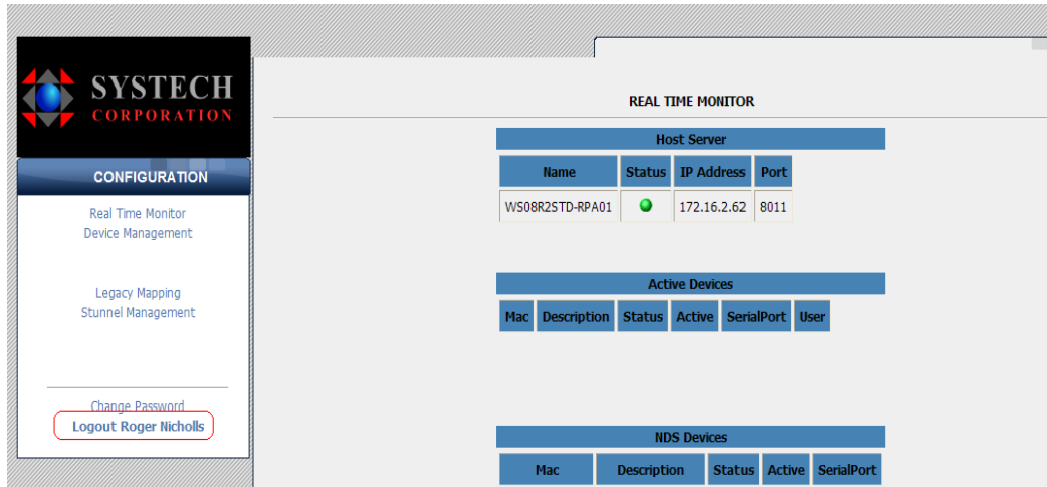
1. To change your password, highlight the **Change Password** section title and depress the left mouse button.
2. The following screen will appear:

The screenshot shows a web interface for changing a password. On the left is a navigation sidebar with the Systemtech Corporation logo and a 'CONFIGURATION' menu containing options like 'Real Time Monitor', 'Device Mapping', 'Device Management', 'NativeCOM Management', 'User Management', and 'Import Device List'. At the bottom of the sidebar are 'Change Password' and 'Logout Admin'. The main content area is titled 'CHANGE PASSWORD' and features three text input fields labeled 'Original Password:', 'New Password:', and 'Confirm New Password:'. An 'Update' button is positioned below the fields. A copyright notice 'Copyright © 2008,2009 Systemtech. All Rights Reserved.' is located at the bottom of the main content area.

3. Enter your old password in the **Original Password** field.
4. Entire your new password into the next field
5. Reenter your new password into the **Confirm New Password** field.
6. Click on the **UPDATE** button when complete.
7. The console screen will return to the **Home screen**.

Logout.

8. To logout, highlight the **Logout** section title and depress the left mouse button. The session will be terminated and the console will return to the initial login screen.



OnDemand RPA Client Tunnel Software

The OnDemand Client Tunnel is the software on your Windows PC that allows you to communicate with remote NDS devices by assigning one of them at a time to your COM port.

Users can choose which authorized device to connect directly from their Windows desktop PC. They do not need to use the web interface to change devices.

Furthermore, the new OnDemand Client Tunnel application provides status information about the connection directly on the Windows status bar.

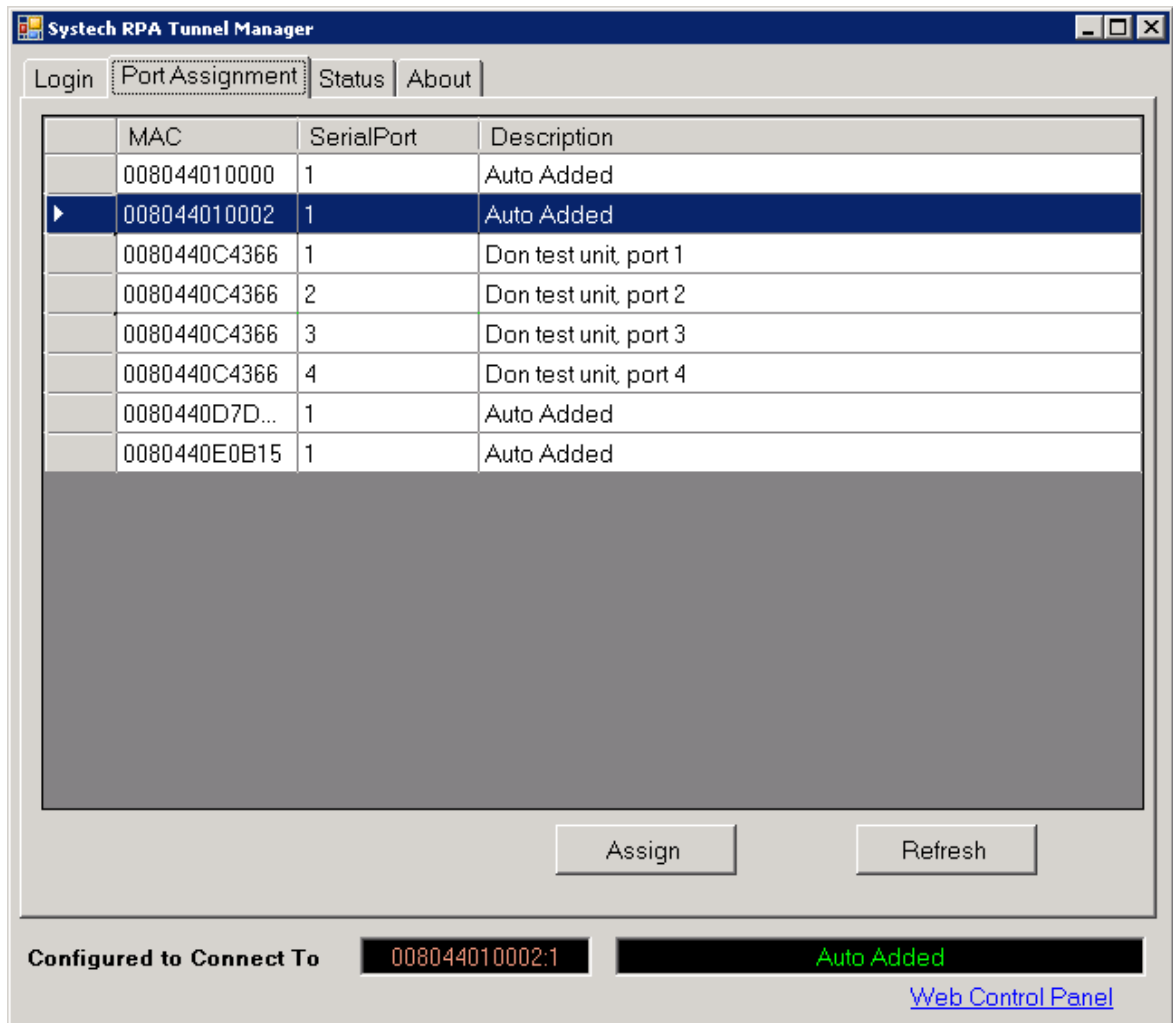
Using the OnDemand Client Tunnel application

1. Double Click the Systech Icon on the Taskbar to bring up the OnDemand Client Tunnel Manager application, if the Client Tunnel Manager application is not up already.



2. Select the Port Assignment tab, and click on the Device to connect with your user login and password. The selected Device is connected using the “Assign” button.

The Device assigned is connected by opening the COM port assigned through NativeCOM. An application which makes use of NativeCOM will connect to COM ports.



- When the local COM port is open, notifications appear in the Taskbar as shown below



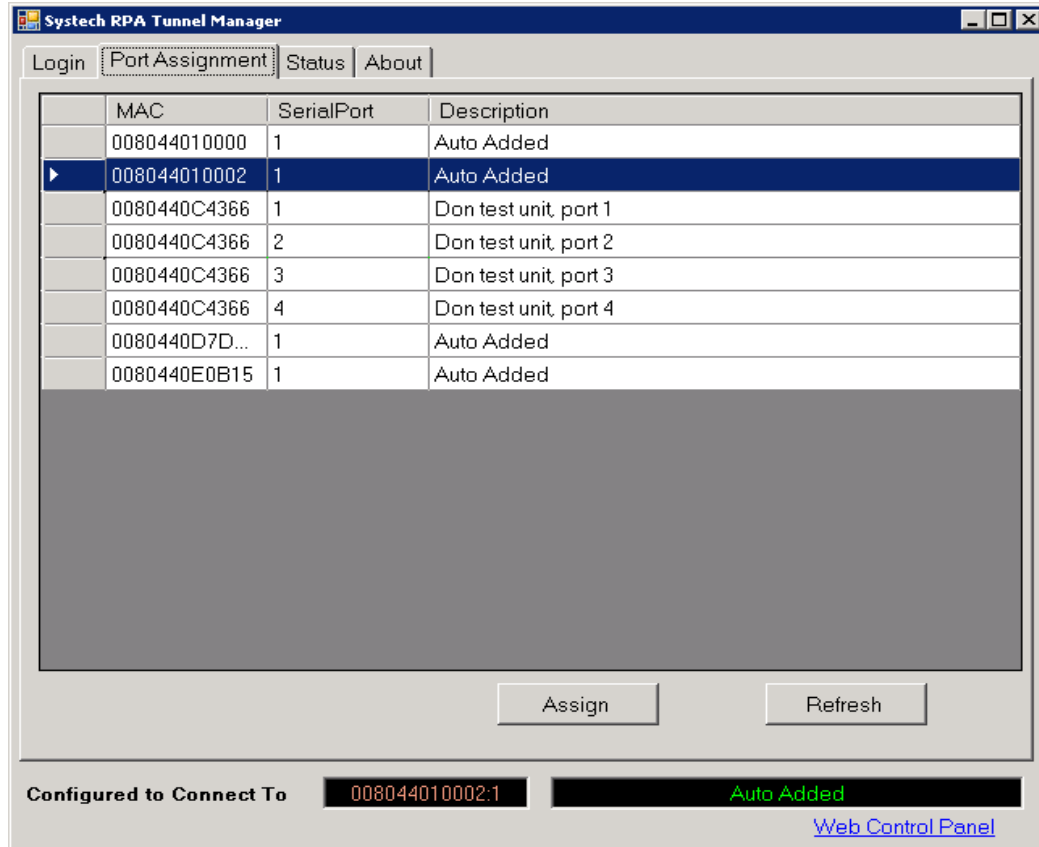
- The OnDemand client tunnel manager window can be safely closed at any time and accessed later by double clicking on the taskbar Icon.

Once you have connected to your device, you may minimize the window and access the device using whatever application you normally use to open the COM port that you chose when installing the RPA Tunnel.

To bring up the RPA Client Tunnel Manager, right click the icon shown below in your taskbar

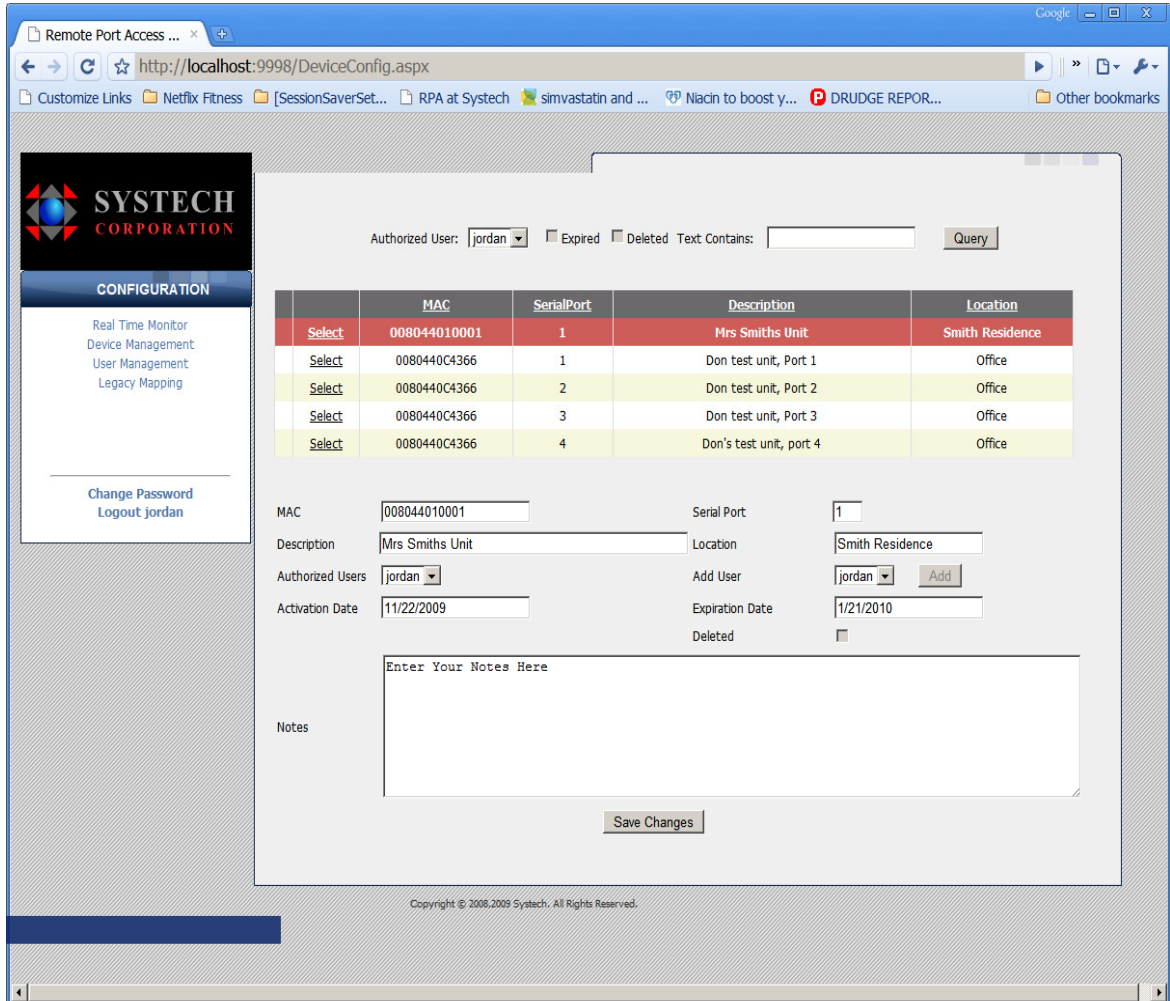


- The Web Interface can be accessed by clicking "Web Control Panel" at the lower right corner of the OnDemand Client Tunnel Manager Screen



6. Log into the web interface with the same user name and password used previously.

Clicking Device Management allows a query and the ability to update information about authorized Systech devices; click the Select link to edit a particular row, and the Save Changes Button to store your changes.



A Query can be reported by the Authorized User, Expired Systech device, Deleted Systech device and/or text from the MAC, Description and/or location. Remember that queries use AND logic. Each selection will be used in a query and must match the specific selections.

Update of the Description, Location or Notes are the only text areas that can be altered. A User can select the Deleted checkbox if they no longer want to view a selected Systech device. Only the OnDemand administrator can add or remove an authorized user and update licensing. Only Systech can alter the expiration date.