

RAP Clientless SSL Web Portal

User Manual

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Remote Access Pass	Version: 5.5
RAP User Manual	Date: 5/25/2010

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1. Introduction

RAP (Remote Access Pass) has an all-in-one SSL PORTAL appliance, which allows you to remotely access internal servers and services even behind firewall securely for your maximum benefit. With the RAP you will gain remote access to your files, directories, and applications with any internet-ready PC. RAP also provides to remote access sharing files, SSH, telnet, MS Terminal Service, native email server, FTP services and based on TCP level Client/Server.

RAP supports:

- Browser based access: Web-based (HTTP/HTTPS, DHTML/HTML, Script languages)
Web File Sharing Access: SMB
- Light weight plug-in (Java applet access): Telnet, SSH, FTP (Passive and Active), MS Terminal Service, POP3, IMAP and Restricted Client/Server application
- Light weight plug-in (ActiveX): Generic client/Server application (dynamic ports, non-configurable for client agent)
- Remote Access and control Windows, Linux and Unix OS based PC
- Tunneling: IP level based application.

Four Security Levels:

- Browser based pure clientless access,
- Java applet access and remote control PC are pure clientless SSL PORTAL, which only using a standard port.
- ActiveX access and TCP/UDP client/server applications
- Tunneling is an On Demand running a client in the remote PC that can transfer the IP data over TCP level and through the channel of RAP to RAP server and communicate to internal application server.

The user manual will show how the RAP can help you to access the computer in your office through firewall and all of Internet connected computers you use at home, while traveling, and at play.

Administrator grants all the functionality accessing right for user.

You may have password, USB Dangle or RSA ScureID token.

If the remote PC is behind a firewall, which must allow data of 443 and 80 ports both in and out.

If the remote PC is behind a proxy, it works well.

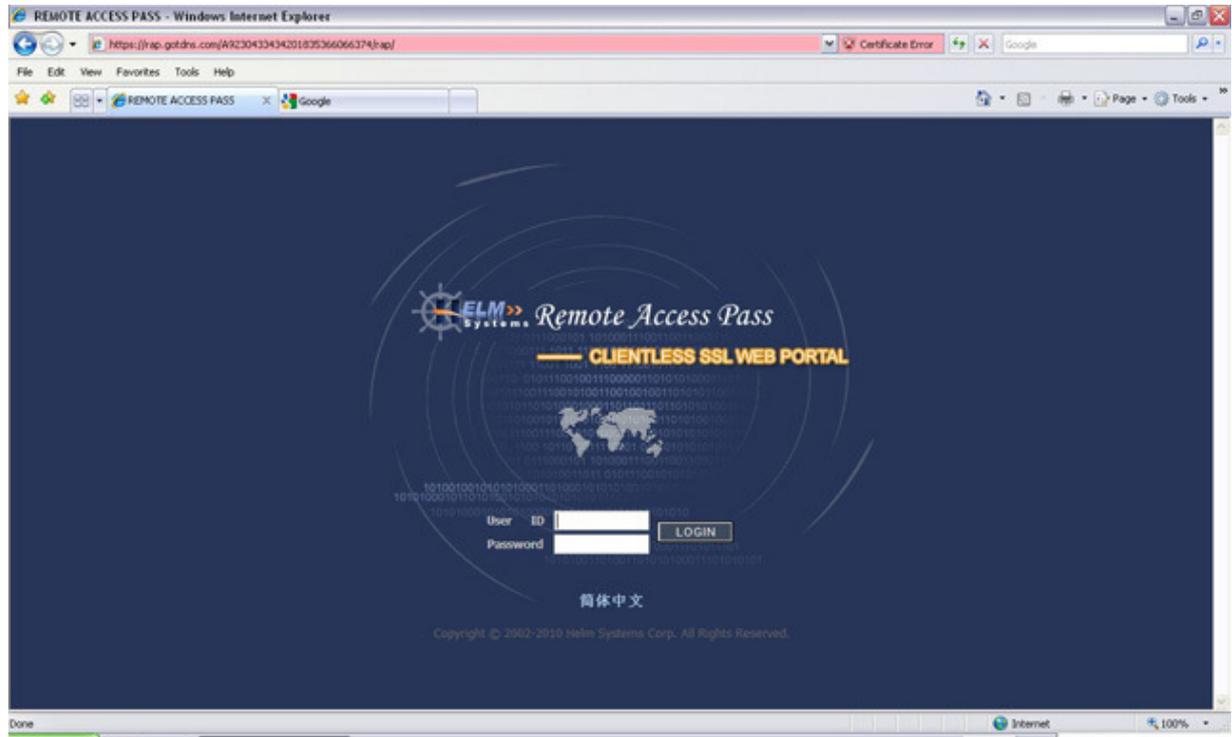
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2. RAP System Overview

Start by pointing the viewing computer's browser to **RAP public IP** mapped by firewall and log in with your User ID and password.

2.1 The Login Page

- The UserID and password assigned by administrator or MS Active Directory. (Email or personal)
- Click Recover Password, you can get a new temporary password after you set the secrete question and answer.
- When RSA SecurID authentication is available, the user should enter the dynamic token ID into Password field.
- When the mobile phone authentication is available, the next login page is shown after user login successfully.



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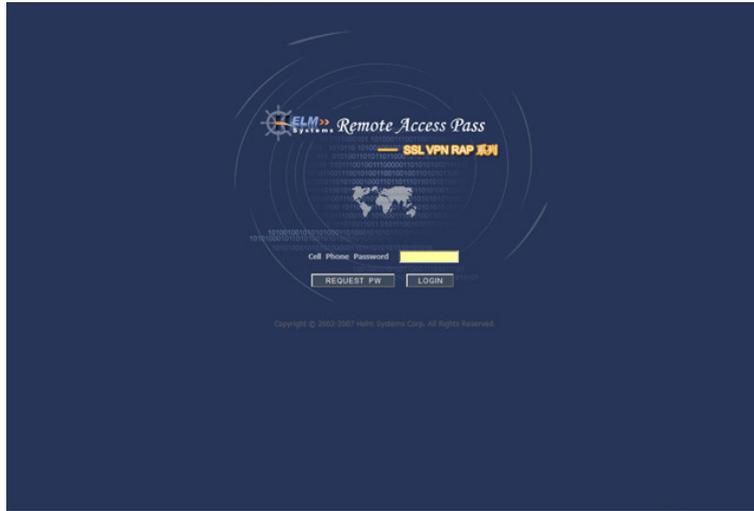


Figure 1: The Login Page

2.2 The Main Page

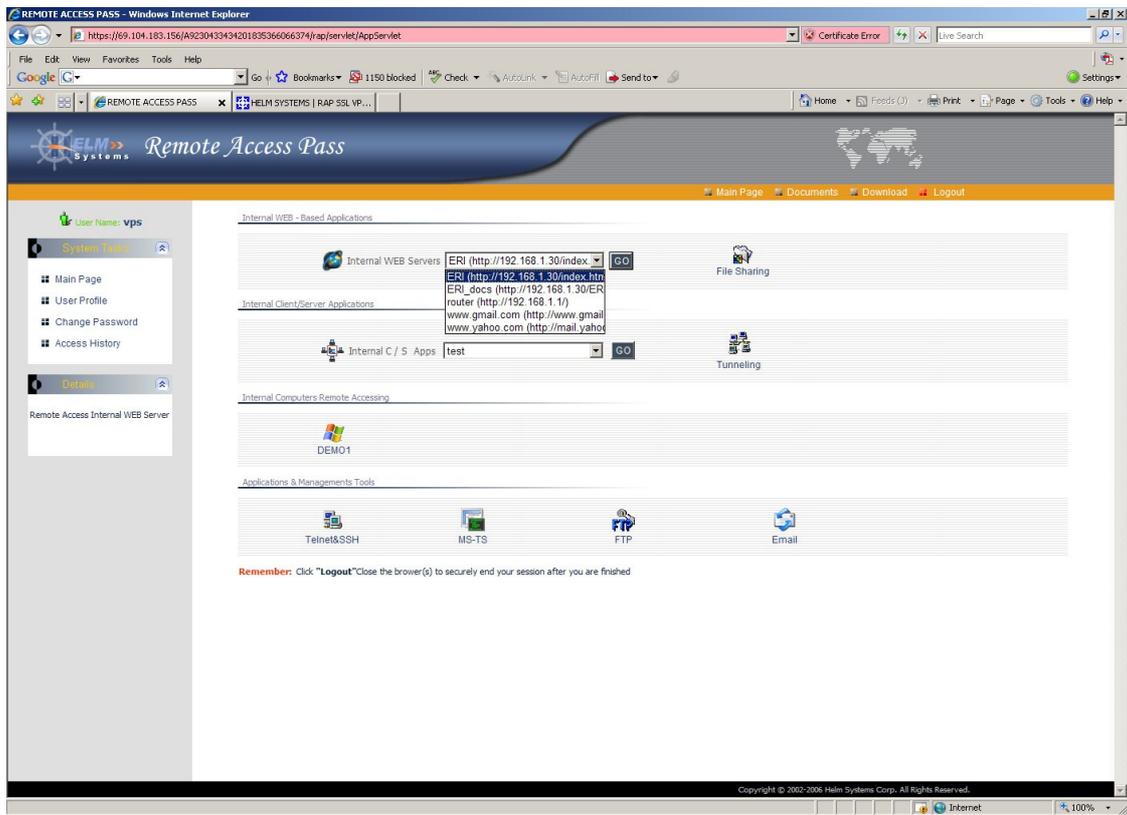


Figure 2: Main Page

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3. SSL PORTAL

3.1 Access internal web server

- There are two mode pre-set by admin:
 - Select the internal web based application server from the server list that is the accessing privilege assigned by administrator. Click “GO” to access this server’s first page on a new window.
This functionality could make user to access the intranet resource (servers)
 - Input the internal URL that user had known. Click “GO” to access this server’s first page on a new window.
- Select the URL or name of the intranet servers you have known on the list of “Intranet Server’s URL” and then click the “Connect” button. You can access the server from the remote browser through the RAP securely. This functionality could make user to access the intranet resource although they may not have themselves target computer in the LAN.
- This function makes the communication between branches of the company available.
- It will show the Single SignOn login page to control the target accessible of the application connected when SSO service is available.

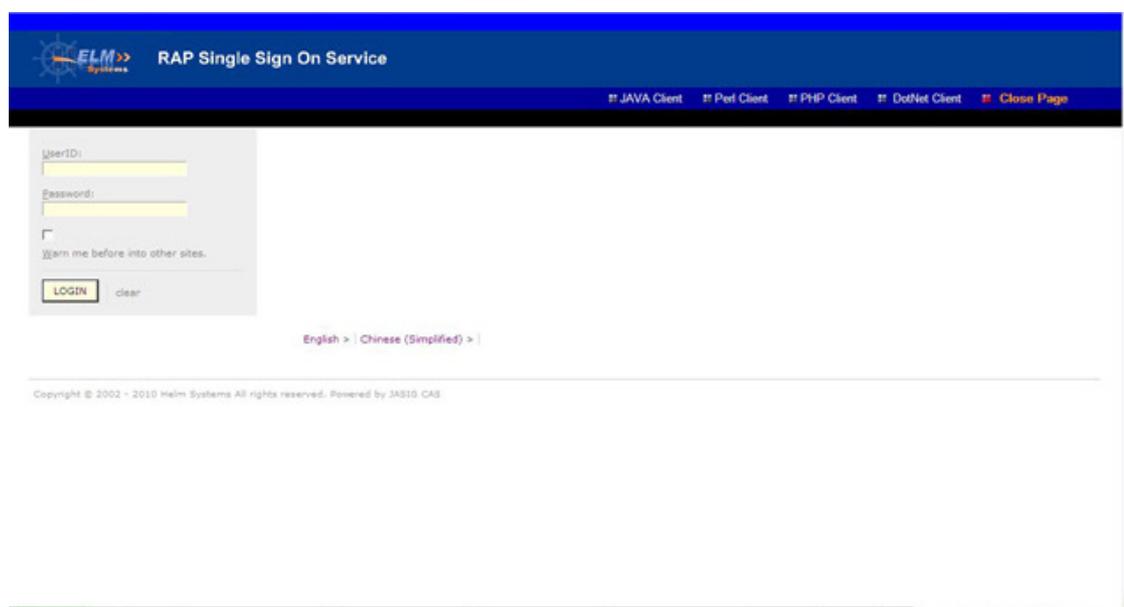


Figure 3: SSO Login Page

- When set this application server to simplify multiple login using specific format for registration of application server URL in RAP admin tool, pop up a new login window. The user must set the application user ID and password when first login or RAP user password has been changed. Otherwise, do nothing. Click “Continue”.

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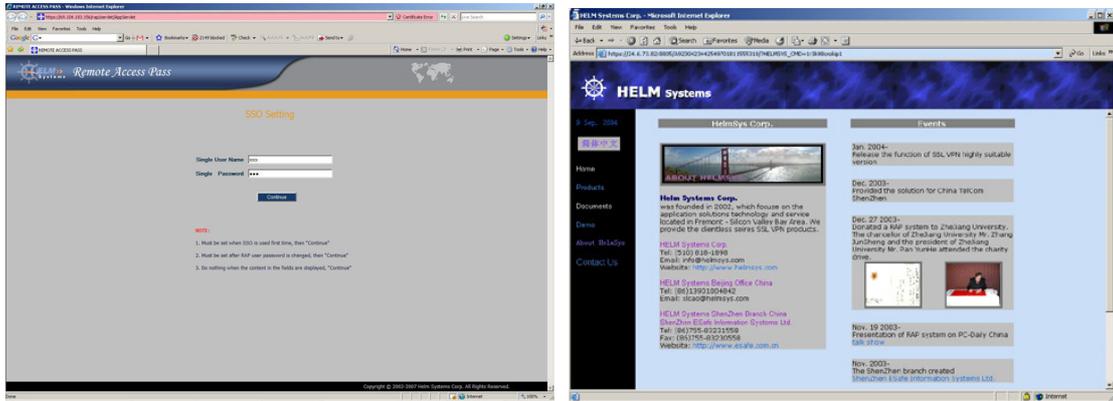


Figure 4: Simplify multiple logins web application server

3.2 File Sharing

- Click “File Sharing” to view, download and upload the shared folders and files in the LAN like “MS My Network Places”. When click the file link in the right area, you can download this file. When click “Upload” icon, you can upload the local file to some shared folder.

Use or share files and applications within the Network Neighborhood. Retain permissions granted to your User ID within the LAN. Manage access to shared visible directories from your PC to other PCs on the local area network. Enables or disables LAN file sharing while protecting your desktop.

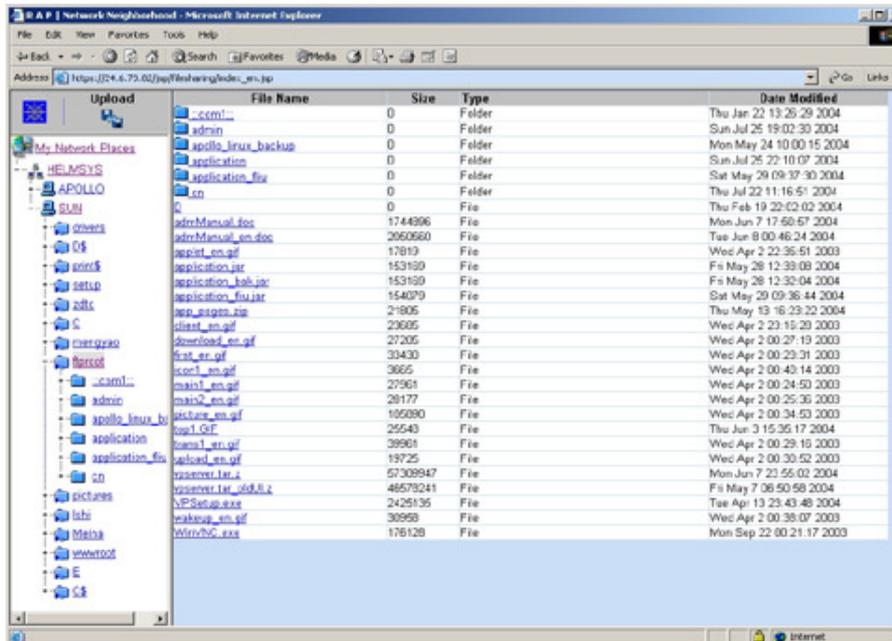


Figure 5: View and download the shared files within the Network Neighborhood

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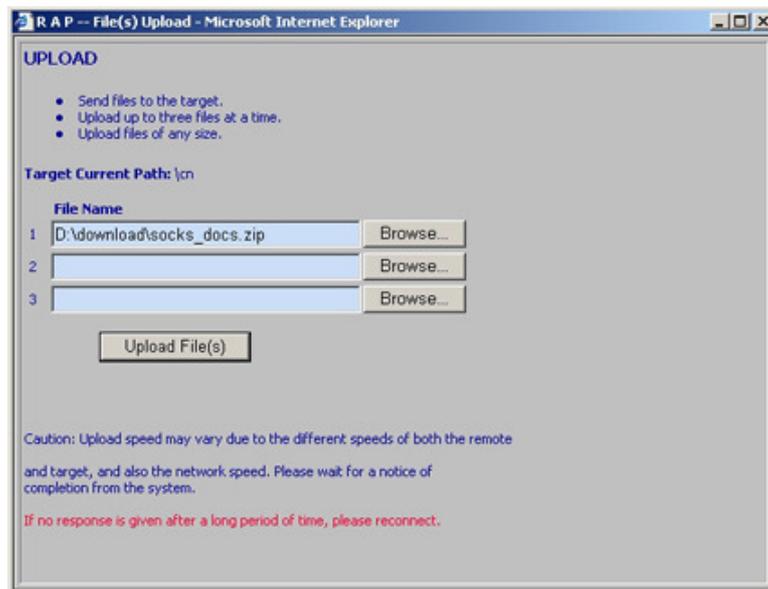


Figure 6: Upload the shared files within the Network Neighborhood

4. Access Client / Server Applications

There are two kind of client / server applications that depend on the usage are registered by admin.

4.1 *Restricted Client / Server Application (Java Applet)*

When user select the application is Restricted C/S mode, JRE must be downloaded and installed as well as popup a new plug-in window.

The client agent should be changed IP address of server to the new IP displayed on the frame in the plug in page. Ex. (127.10.0.1)

The connection is disconnected when close this plug-in page.

This mode is for C/S application that has fixed port, fixed local PC installed client agent. The security level of this mode is higher that Generic Client / Server mode.

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 **Client / Server**

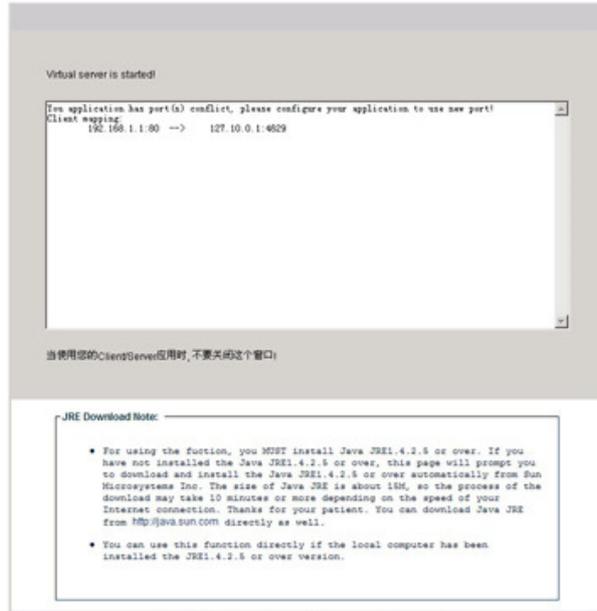


Figure 7: Restricted C/S Plug-in

4.2 Generic Client / Server Application (ActiveX)

When user select the application is Generic C/S mode, a small ActiveX agent will be downloaded and installed.

A small icon  will display on the right taskbar of Windows in the remote PC. Right click icon  select "Exit", the connection of Generic C/S is disconnected.



- Access the web based server registered by admin: Click the server link on the new page

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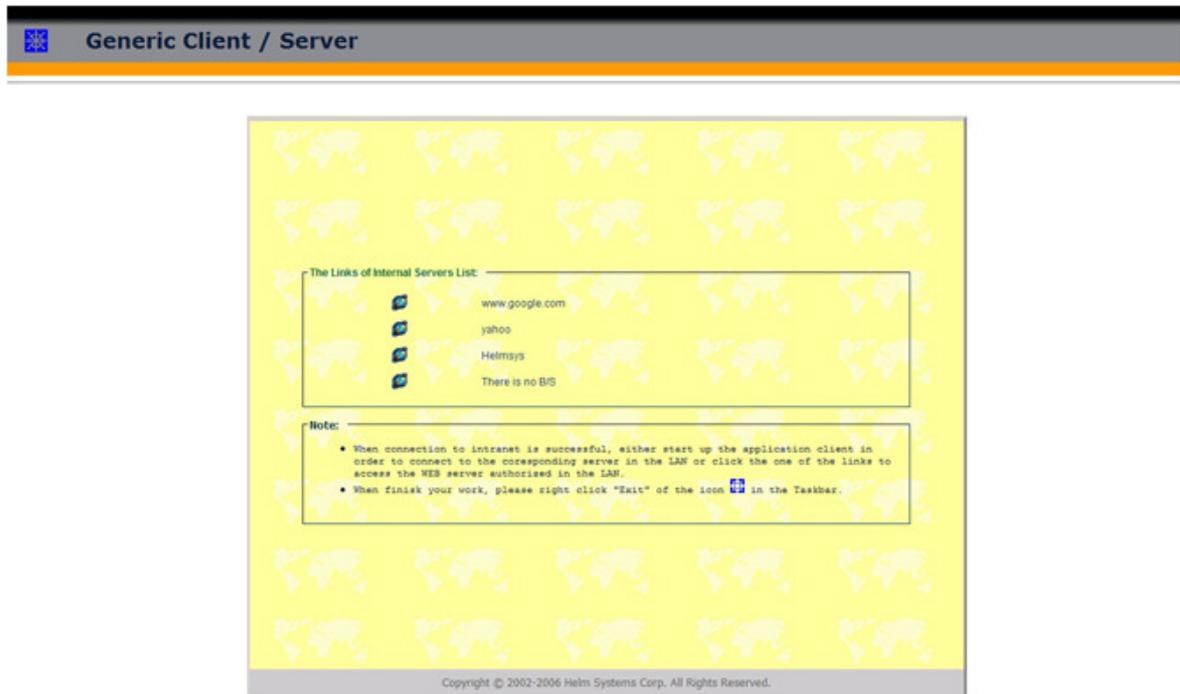


Figure 8: Access web based server in Generic C/S mode

- Access the C/S application: Run the client agent directly like in the intranet

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5. Tunneling VPN

- This function is integrated with OpenVPN, which is open source
- Support the all of the non TCP level applications that can not be supported by C/S function like IPsec VPN.
- Clicks the Tunneling icon, it will on demand download a Java Applet and startup an agent on your remote PC. Then a secure channel of TCP level is created from the remote PC to RAP. The on demanded agent of RAP can make IP application data to TCP level through the channel to RAP server that recover to IP level to the internal application server.
- This is a generic function can support all protocol of applications such as HTTP, TCP, UDP and IP. It can access the intranet directly. The secure level is lower than other functions of RAP.
- Use this function only for the applications that can not be support by Clientless SSL PORTAL and other functions of RAP
- It still uses the standard relay port of RAP that is more secure than IPsec VPN.
- The HELMVPN client must be installed manually when use Windows Vista, 7 or XP SP3 above OS. Clicks the “HELMVPN Client” button in the plug in page to download and install the tunneling HELM VPN client following the comments step by step, the plug in page will be closed automatically as well. Click the Tunneling icon in the main page again to connect to tunneling VPN after HELMVPN driver is installed.

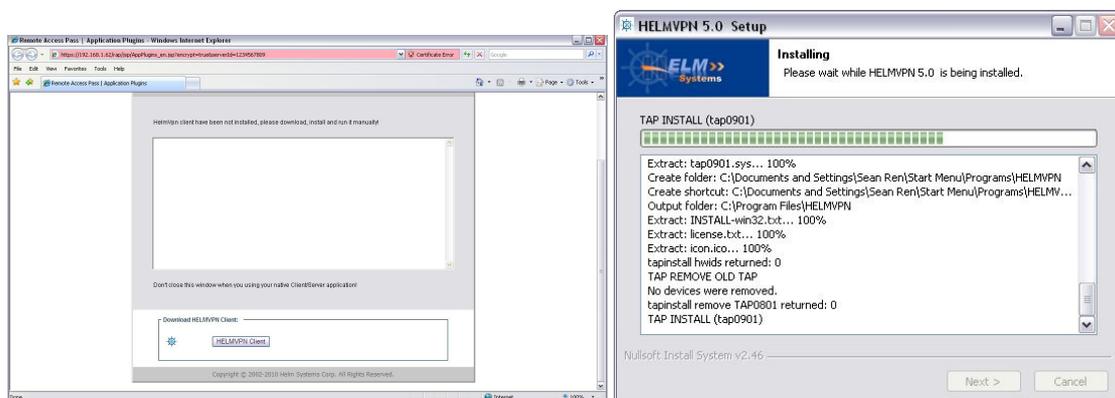


Figure 9: Virtual Adapter Download and Installation

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6.3 Native Email Service

Click Email icon to access the internal mail server and RAP can transfer the info and commands from native email server to web based email (same as Yahoo Mail). Everything display in browser and are protected by SSL channel.

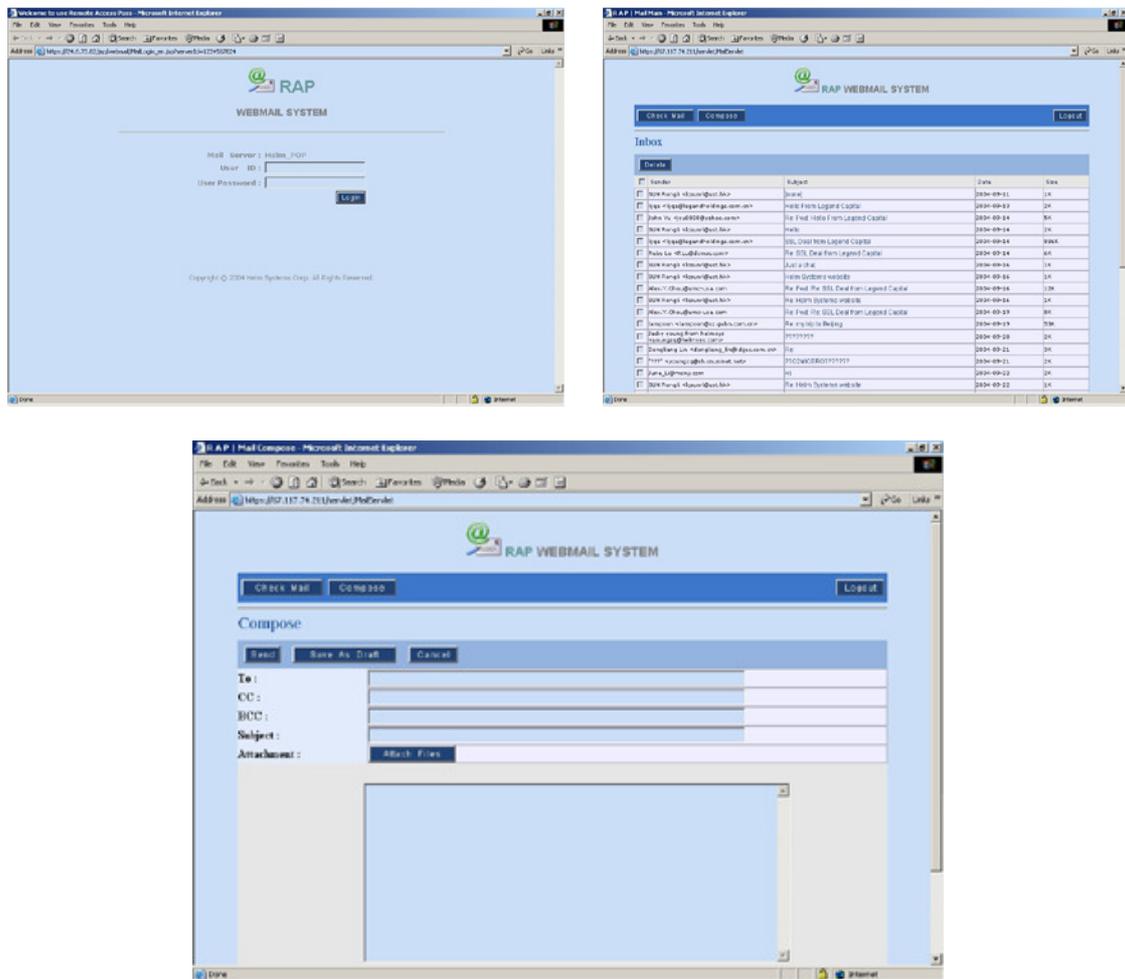


Figure 12: From Native Email to Web Mail

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7. System Tasks (Tool bar on the top of Main page)

7.1 Main Page

Return to Main page. See Figure 2

7.2 User Profile

Allow you to modify your personal account information



Figure 13: User Profile

7.3 Change Password

- Allow you to change your User ID password. Please visit this link to set your personalized password reset question. All passwords are strongly encrypted and cannot be recovered, but they are reset if you can answer your own personalized question. A personalized password reset is already set for the remote desktop password.
- If RSA SecurID or MS Active Directory or LDAP authentication is enabled, this function is not available.

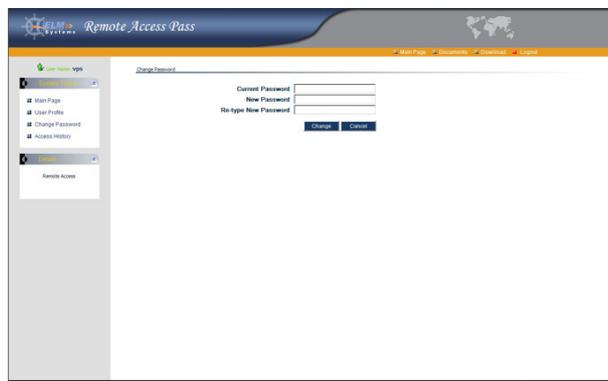


Figure 14: Change Password

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7.4 Access History

Shows a log of the date and time you logged-in and accessed your computers.

Time	Event
2006-12-20 10:53:32	Login
2006-12-20 10:48:56	Logout
2006-12-20 10:45:01	Login
2006-12-20 10:29:46	Logout
2006-12-20 10:26:12	Login
2006-12-20 08:35:00	Logout
2006-12-20 08:31:41	Login
2006-12-20 08:17:59	Logout
2006-12-20 08:14:41	Login
2006-12-20 08:13:58	Logout
2006-12-20 08:10:20	Login
2006-12-20 08:10:16	Logout
2006-12-20 08:07:38	Login
2006-12-20 08:03:33	Logout
2006-12-20 07:59:45	Login
2006-12-20 02:00:15	Logout
2006-12-20 01:59:41	Login
2006-12-20 21:09:22	Logout
2006-12-20 21:07:44	Login
2006-12-20 16:03	Logout
2006-12-20 02:15:35	Login
2006-12-27 23:32:17	Logout
2006-12-27 23:32:02	Login
2006-12-27 20:37:01	Logout
2006-12-27 20:36:53	Login
2006-12-27 20:33:08	Logout
2006-12-27 20:32:50	Login
2006-12-27 20:30:52	Logout
2006-12-27 20:29:43	Login
2006-12-27 16:41:14	Logout
2006-12-27 16:40:13	Login

Figure 15: User Access History

7.5 Documents

Click the link of “User Manual” to on line display this file

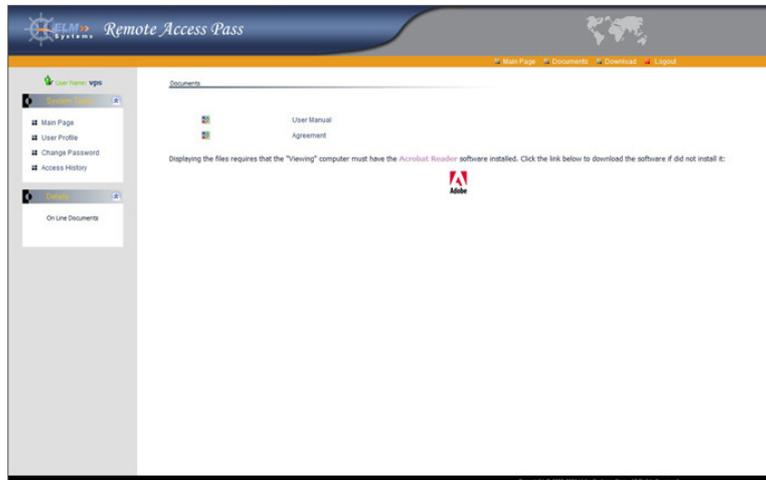


Figure 16: On Line Documents

7.6 Logout

Securely closes your session with the RAP server. You must close **all** browsers that have accessed your computer in order to securely close your session with your target. If you do not close the browser, your session could be re-started by the next person to use the viewing computer within 15 minutes.