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User and Installation Guide



SeQent[™]
Real-Time Decision Solutions

FirstPAGE Web Client
V9.00

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Version Information

Edits

Version	Date	Author	Description
V9.00	April/2012	D. Labute	Initial Document

Customer Service

Support Contracts

You may purchase a support contract for any of our products. Support is free for product trials and for the first 30 days of product ownership.

To view the SeQent support options, go to our web site (www.SeQent.com). To contact SeQent's Customer Support department please use the following methods.

Urgent Issues:

Normal Business Hours (Weekdays 9AM-5PM EST):

1. Dial: +1.519.652.0401
2. Select: Option 1

If there is no answer then please leave a voice mail message with your contact information and your call will be returned promptly.

After Hours (Weekdays 5PM-9AM EST and Weekends):

1. Dial: +1.519.652.0401
2. Select: Option 1
3. Listen to the on-call phone number provided
4. Call the indicated after hours number

If there is no answer then please leave a voice mail message with your contact information and your call will be returned promptly.

Non-Urgent Issues / Questions

Normal Business Hours (Weekdays 9AM-5PM EST):

1. E-Mail: Support@SeQent.Com
2. Include the following information:
 - Contact Information
 - Product Name
 - Version
 - Description of the problem being experienced

Location

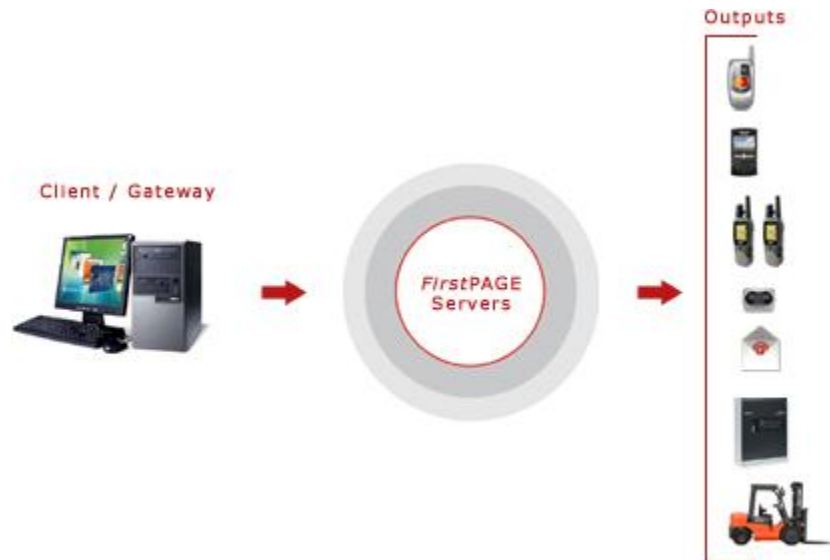
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.1. Product Overview

SeQent's *FirstPAGE* is a high volume message processing engine that can be coupled with any combination of *FirstPAGE* auxiliary products to have messages dispatched from any application. It is easy to use in an operational setting and includes a full suite of flexible administration tools, all accessible remotely.

The *FirstPAGE* messaging engine is a standardized interface between personal communication devices and applications sending messages through either an internal paging service and/or external service providers. *FirstPAGE Server* maintains a database of all destinations, the addressing information of the device and the associated service provider connection information. This database can be shared with any application allowing messages to be dispatched from any part of the organization.



Key Features:

- Simple, efficient installation wizards make for easy installation
- Supports personal messaging groups (i.e. distribution lists)
- User-friendly maintenance of Destinations and Distribution Lists
- Unlimited messaging groups and destinations
- Detailed transaction logging
- User based security, ensuring users can only modify Destinations and Distribution Lists that are assigned to them.

How it Works

FirstPAGE Web Client provides its clients with the ability to allow users to send text pages to configured destinations and distribution lists directly from the FirstPAGE Web Client interface.

In addition, users can self-administer their own set of messaging destinations and personal messaging groups via a centralized web based interface to FirstPAGE Server.

Multiple FirstPAGE Servers can be configured in the application, allowing for cross-site paging. Separate security can be defined on each server ensuring users only have access to what they should have access to

.2. Installation

Prerequisites

Before beginning the installation, it is important to determine the hardware and software requirements necessary for FirstPAGE Web Client to run efficiently. Review the following prerequisite list before the software is installed.

Licensing	General: Per server
System Requirements	<p>One of: Microsoft Win2K3 (SP1+) Microsoft WinXP (SP1a+) Microsoft Win2K8 Microsoft Win2K8R2</p> <p>Display: 800x600 Disk Space: 200MB RAM: 128MB</p> <p>Applications: FirstPAGE Server v9.00 or higher Microsoft Internet Information Services (IIS) v6.0 or higher Microsoft .NET Framework 2.0 Microsoft SQL Server 2008 or higher (Optional)</p>
Drivers	TCP/IP MDAC V2.7 (SP1+)

Installing the Application

Windows 2003 & IIS 6.0

Before installing *FirstPAGE Web Client*, the following information must be considered:

- You must have an installed and configured copy of FirstPAGE Server running on a computer which is accessible from the computer you plan to install FirstPAGE Web Client on.

Installing and Configuring IIS

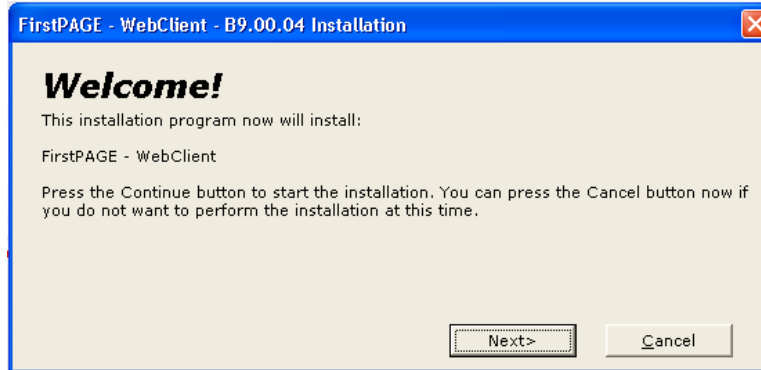
To Install Microsoft Internet Information Services:

1. Launch "Add or Remove Programs" from the Control Panel.
2. Click the "Add/Remove Windows Components" button on the left side of the window.
3. Check "Application Server" and click on the "Details..." button.
4. Check the following items:
 - a. Application Server Console
 - b. ASP.NET
 - c. Enable Network COM+ access
 - d. Enable network DTC access
 - e. Internet Information Services (IIS)
5. Select "Internet Information Services (IIS)" and click the "Details..." button.
6. Check the following items:
 - a. Common Files
 - b. Internet Information Services Manager
 - c. World Wide Web Service
7. Select "World Wide Web Service" and click the "Details..." button.
8. Check the following items:
 - a. World Wide Web Service
9. Click OK on all three windows to return to the Windows Components Wizard and click "Next" to perform the installation.
10. When the installation has completed, click "Finish" and close Add or Remove Programs.

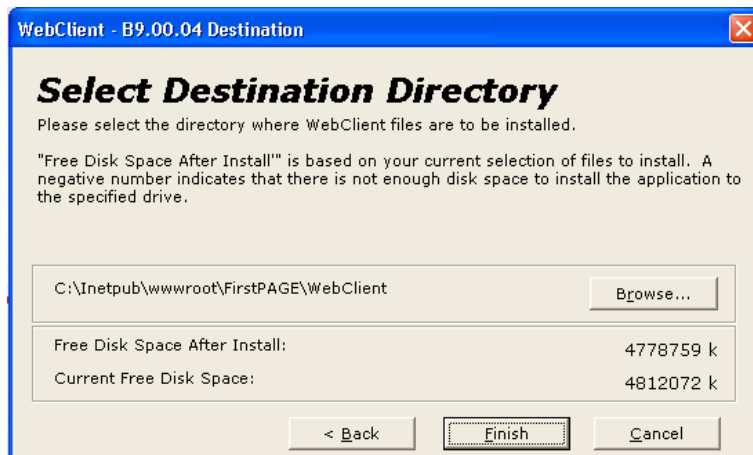
Installing FirstPAGE Web Client

To Install FirstPAGE Web Client:

1. Run *FirstPAGE Web Client* SETUP.EXE. Click *Next*.



2. You will be prompted for the installation destination directory.



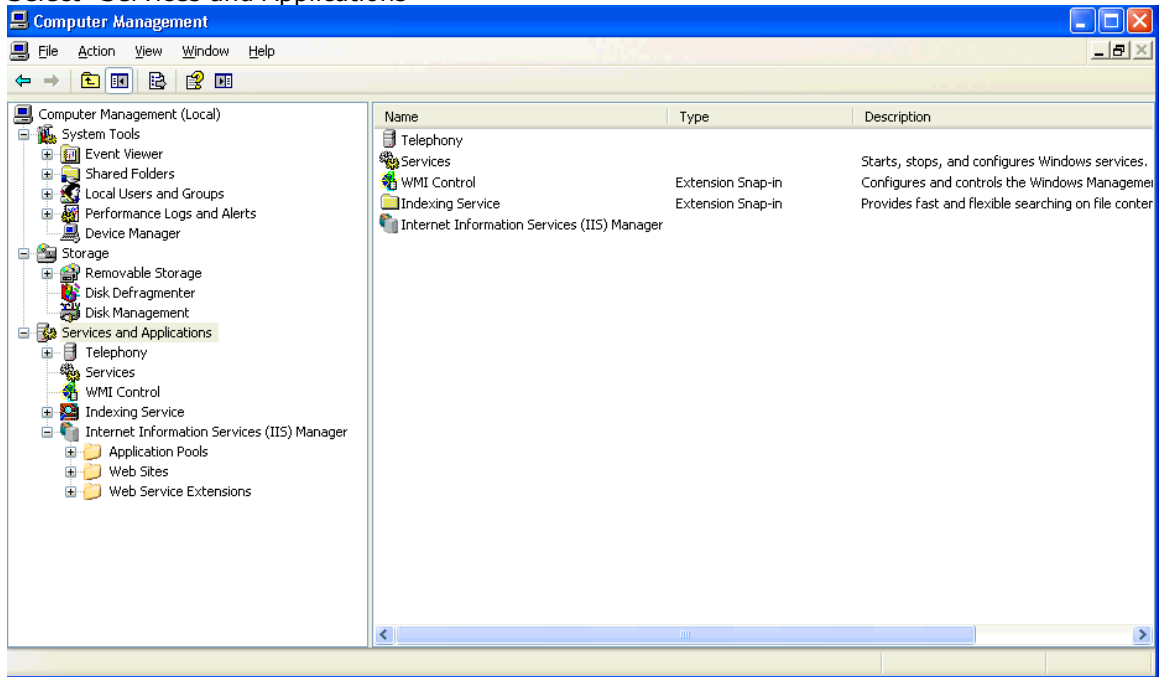
3. Click *Finish* to complete the installation. The computer must be restarted before the *FirstPAGE Web Client* can be configured or operated.

Configuring IIS for FirstPAGE Web Client

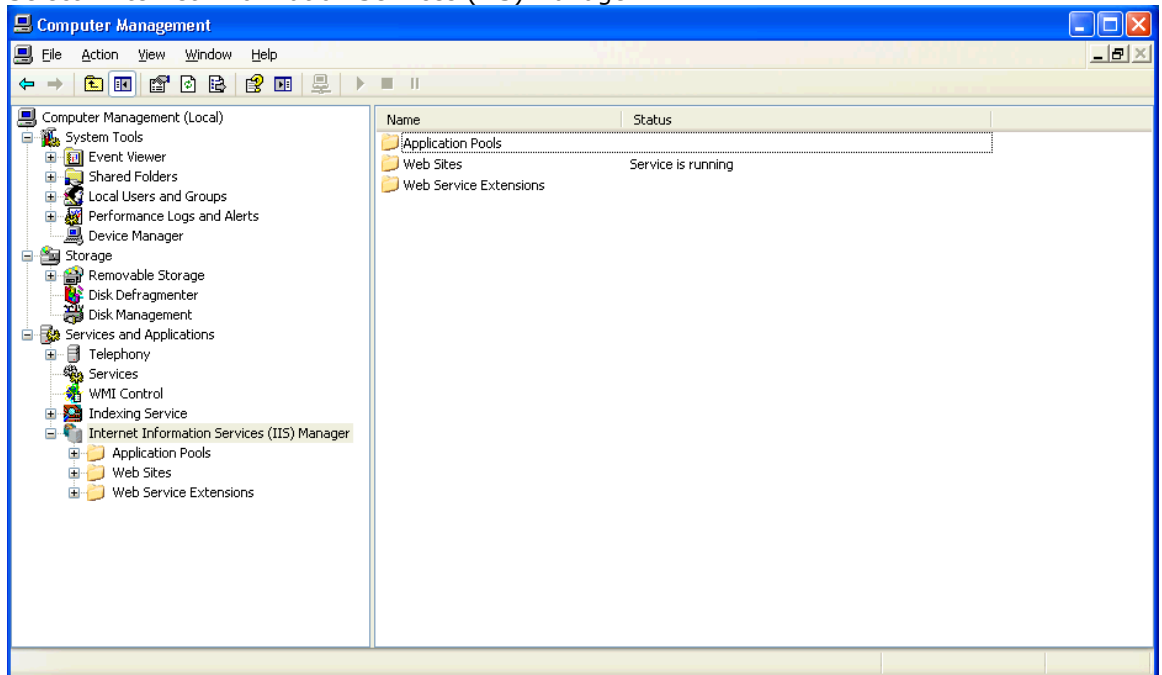
To Configure IIS for use with FirstPAGE Web Client:

1. Open a command prompt.
2. Execute the following command to enable IIS to host a .NET 2.0 application.
 - a. `C:\Windows\microsoft.net\framework\v2.0.50727\aspnet_regiis -i`
3. Execute the following command to enable the IIS Windows Authentication Provider.
 - a. `cscript C:\Windows\ServicePackFiles\i386\adsutil.vbs set w3svc/NTAuthenticationProviders "NTLM"`
4. To confirm that this command executed properly, run the following command.
 - a. `cscript C:\Windows\ServicePackFiles\i386\adsutil.vbs get w3svc/NTAuthenticationProviders`

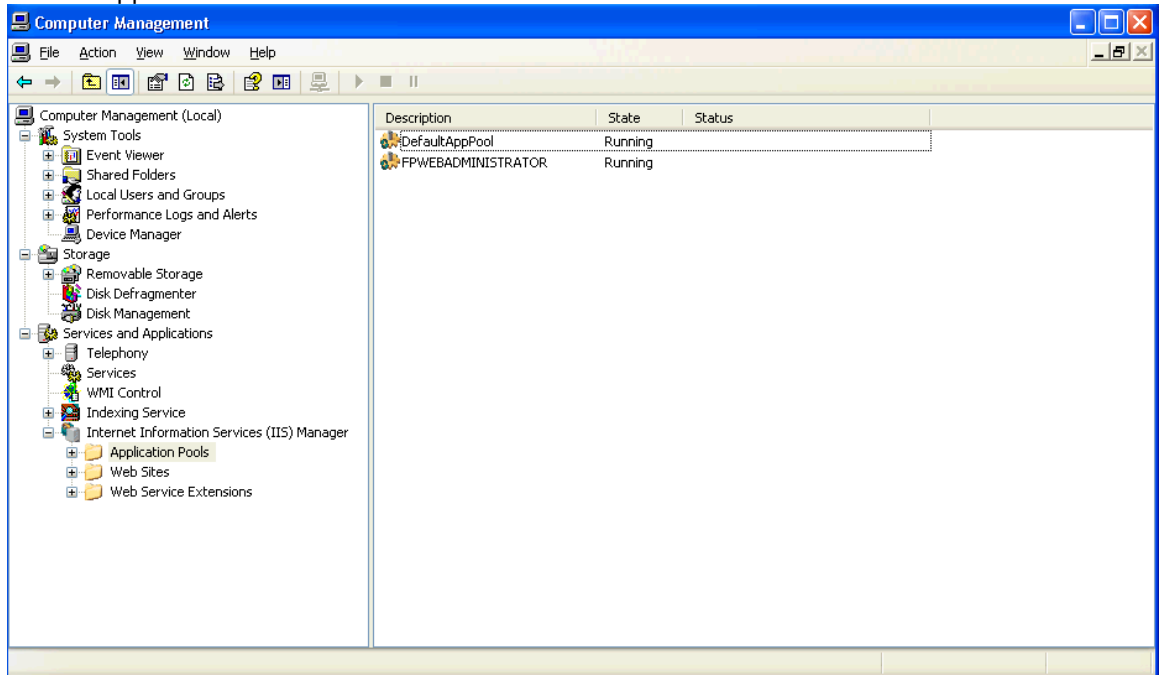
- b. This command should return : NTAuthenticationProviders : (STRING)
"NTLM"
- 5. Close the command prompt and open Computer Management from Start → Control Panel → Administrative Tools → Computer Management
- 6. Select "Services and Applications"



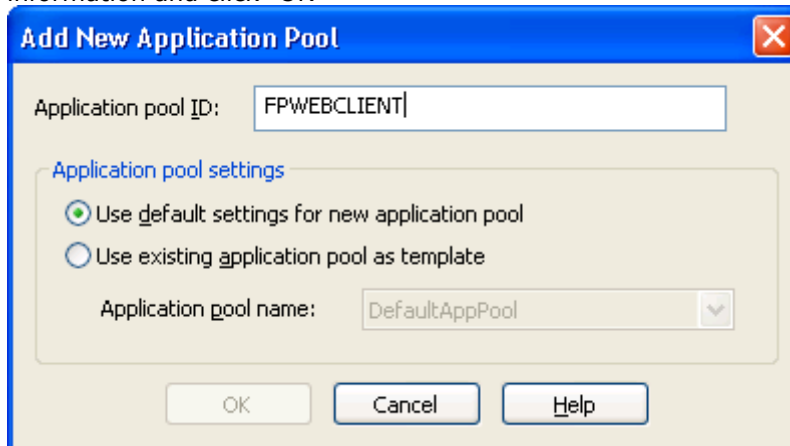
- 7. Select "Internet Information Services (IIS) Manager"



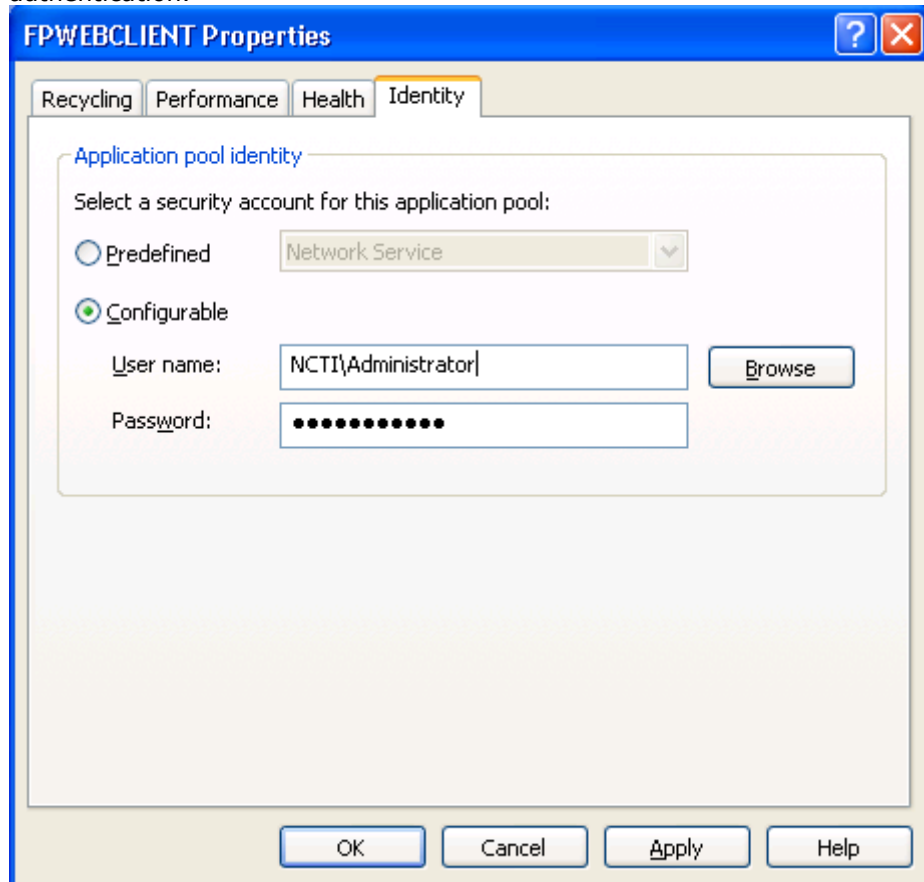
8. Select "Application Pools"



9. Right click in the right pane and select New → Application Pool. Enter the following information and click "OK"



10. Right click on the new application pool and select Properties. The Recycling, Performance and Health tabs can be left using their default values. Ensure the properties are set up as follows:
 - a. On the Identity tab select the Configurable option and enter the username which will be granted access to the FirstPAGE Server shares on the remote FirstPAGE Servers. This will require that the IIS server be in the same domain as the FirstPAGE Servers or trusted by those servers domains. This username will be used by the IIS Server for the FirstPAGE Web Client application and all network access performed by IIS will be under this authentication.

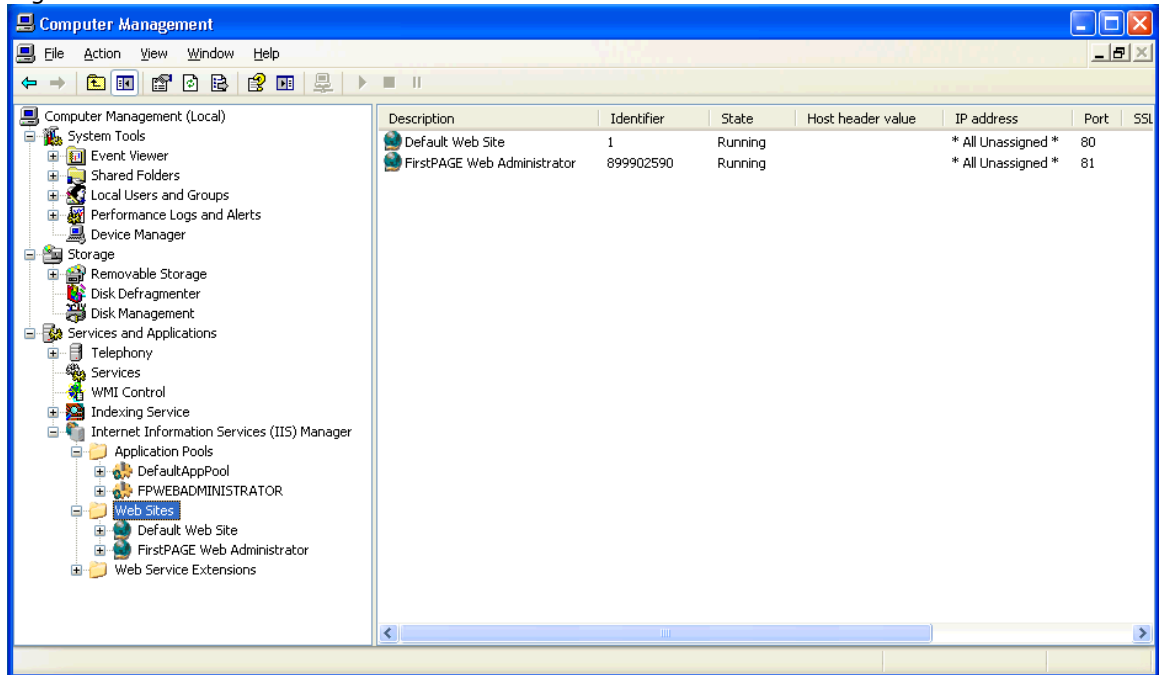


- b. In order for IIS to successfully authenticate this user, the user must be added to the IIS_WPG user group. This can be done from Administrative Tools → Computer Management → System Tools → Local Users and Groups → Groups.

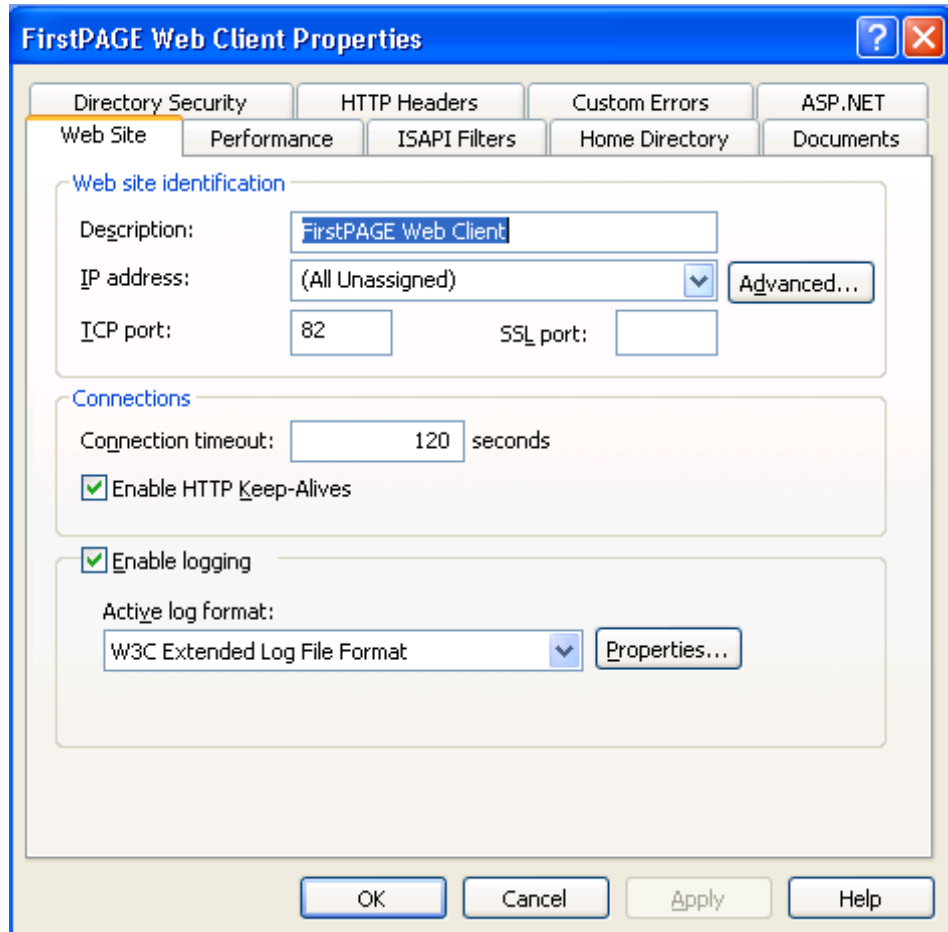
Additionally, security policies must be granted on the domain controller for the user utilized by the application pool. From Administrative Tools → Domain Security Policies → User Rights Assignment, add the user to the following policies:

- i. Adjust memory quotas for a process
 - ii. Replace a process level token
 - iii. Login as a service
11. Click the "Web Sites" folder in the IIS Administration Interface.

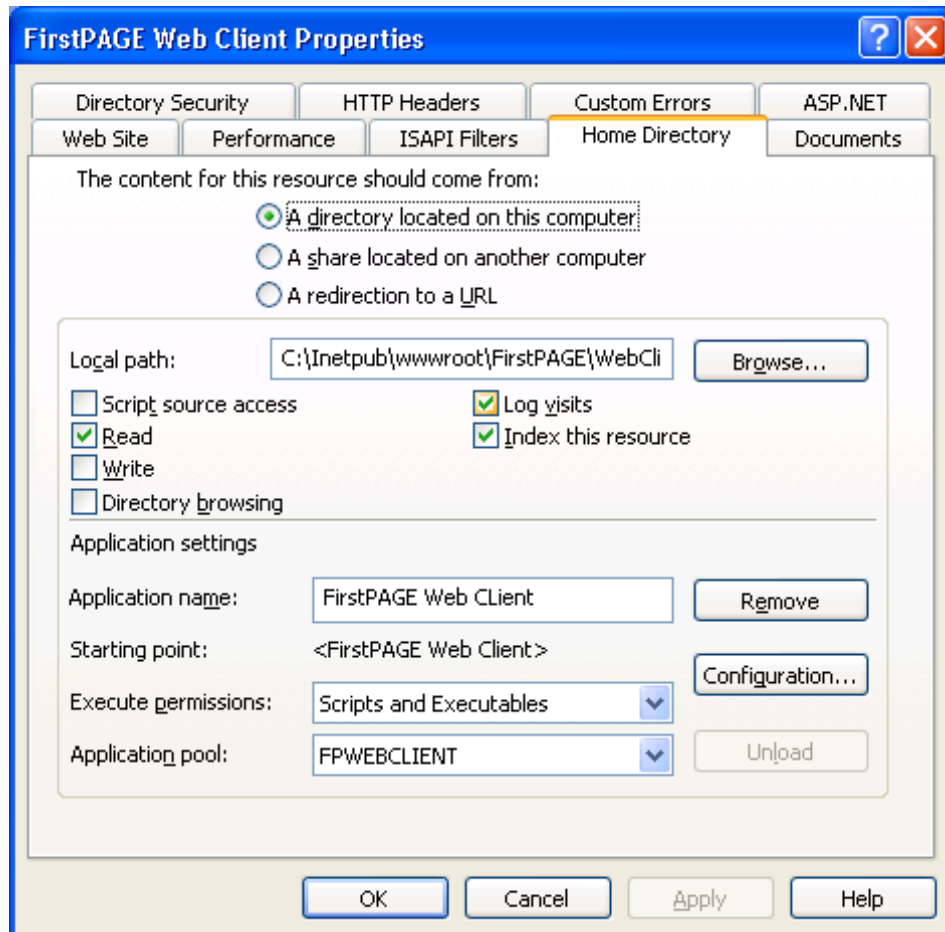
12. Right click the "Web Sites" folder and select New → Website.



13. Ensure the Web Site properties are set as follows:
 - a. Web Site Screen

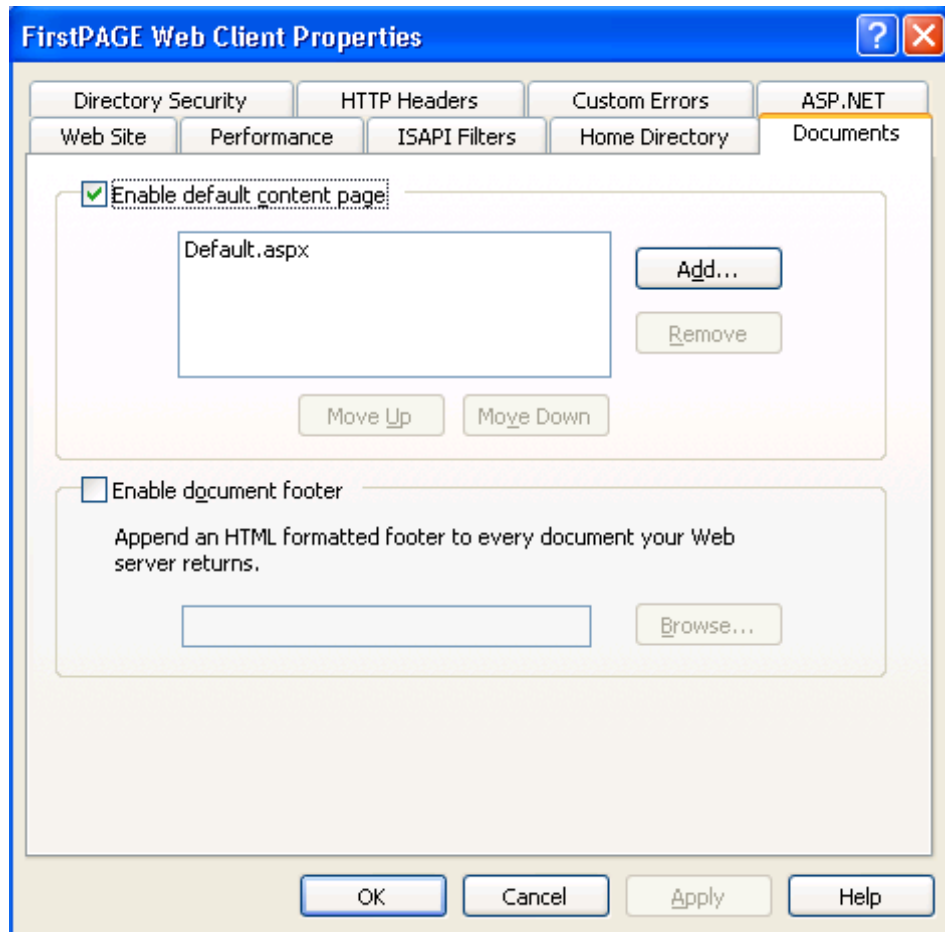


WEB SITE TAB	
Change settings in the following fields, and use defaults for all others:	
<i>Description</i>	A text description, providing a human readable name for this website.
<i>TCP Port</i>	The TCP port number that this website will run on. The suggested port number for FirstPAGE Web Client is port 82.



b.

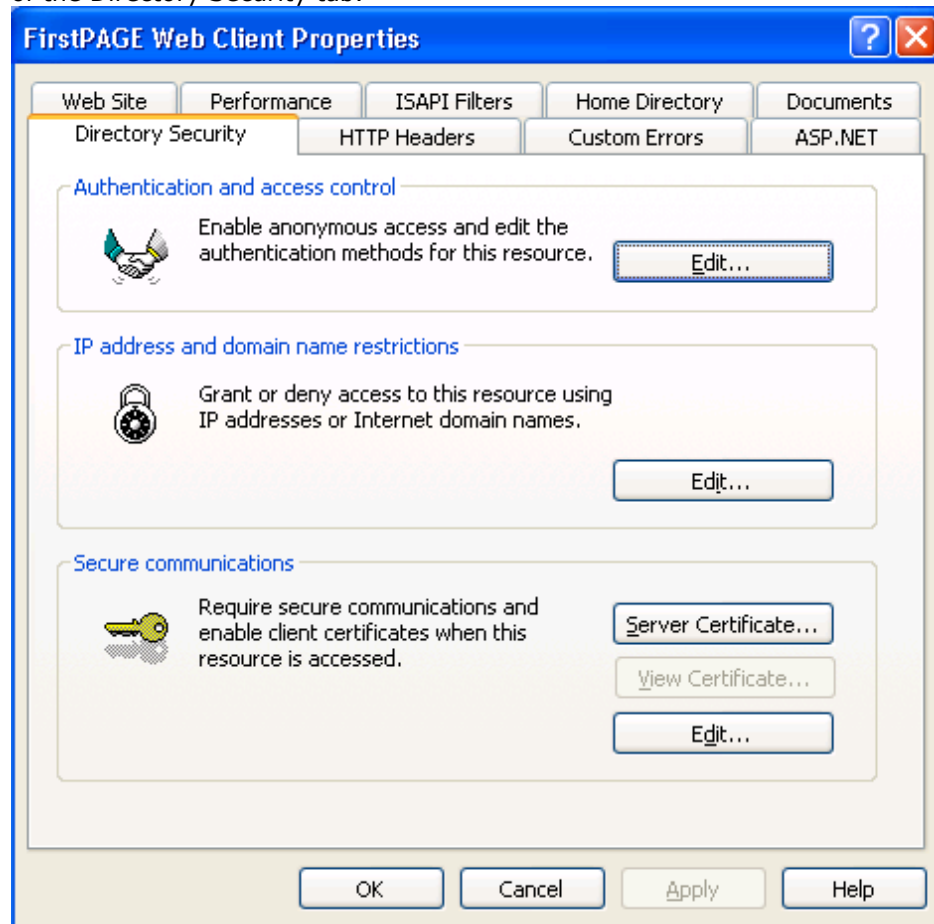
HOME DIRECTORY TAB	
Change settings in the following fields, and use defaults for all others:	
<i>Local Path</i>	The path on the local machine to the folder where the FirstPAGE Web Client application was installed. The default install location is C:\inetpub\wwwroot\FirstPAGE\WebClient.
<i>Application Name</i>	The internal name of the application that will be reported to IIS. The suggested value for this field is "FirstPAGE Web Client".
<i>Application Pool</i>	The IIS application pool that this website will run under. This should be set to the application pool created in steps 8-10.

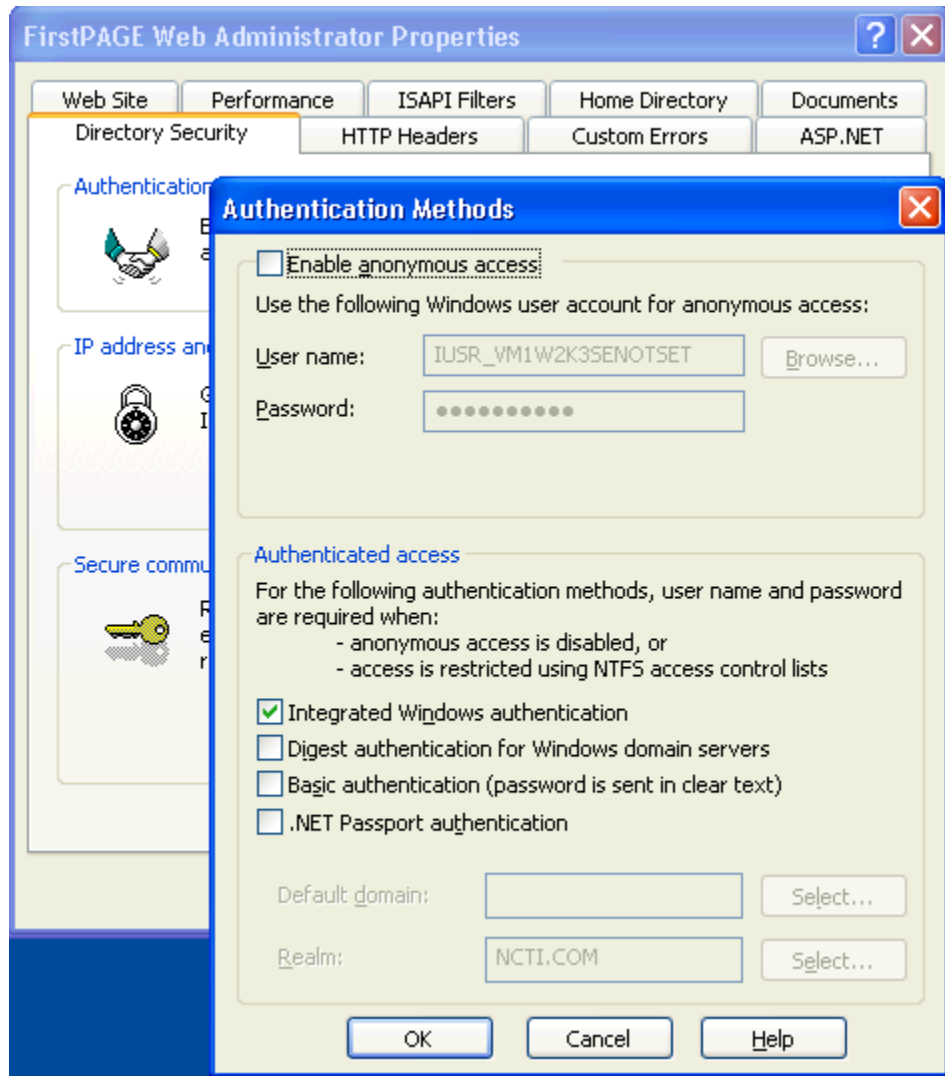


c.

DOCUMENTS TAB	
Change settings in the following fields, and use defaults for all others:	
<i>Default Documents List</i>	Use the "Add..." button to add "Default.aspx" to this list, and remove all other listed entries.

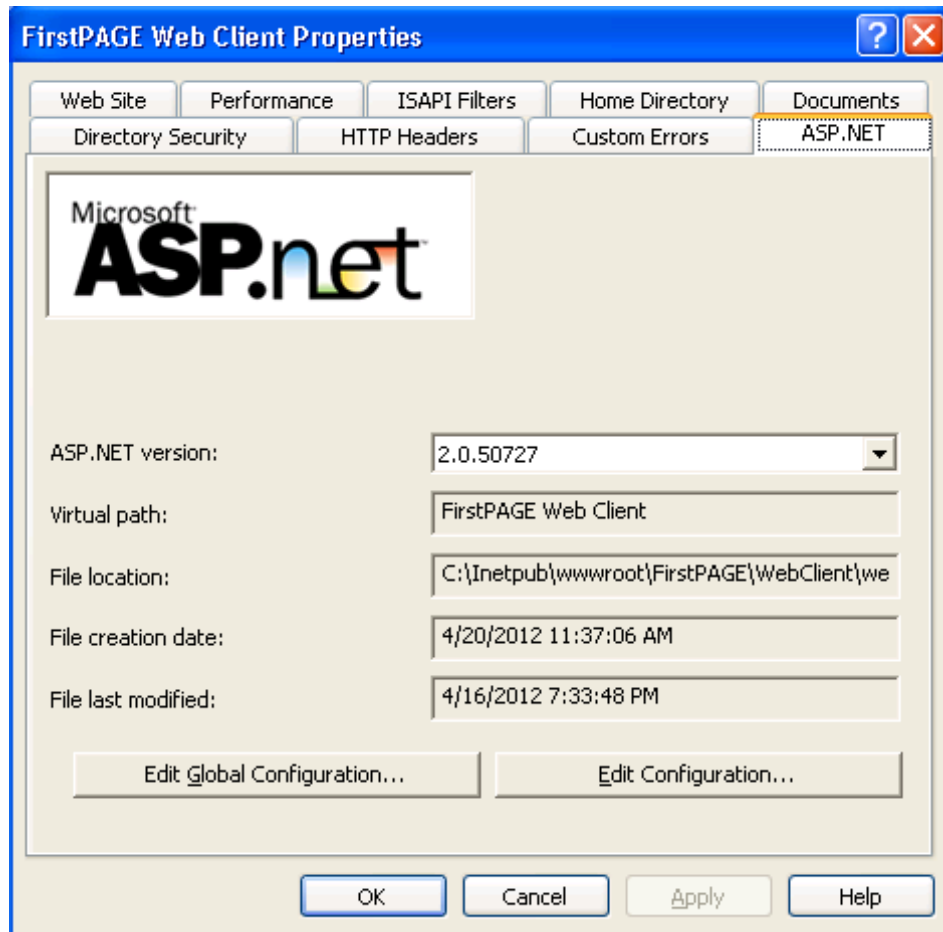
- d. Click the "Edit..." button in the "Authentication and access control" section of the Directory Security tab.





e.

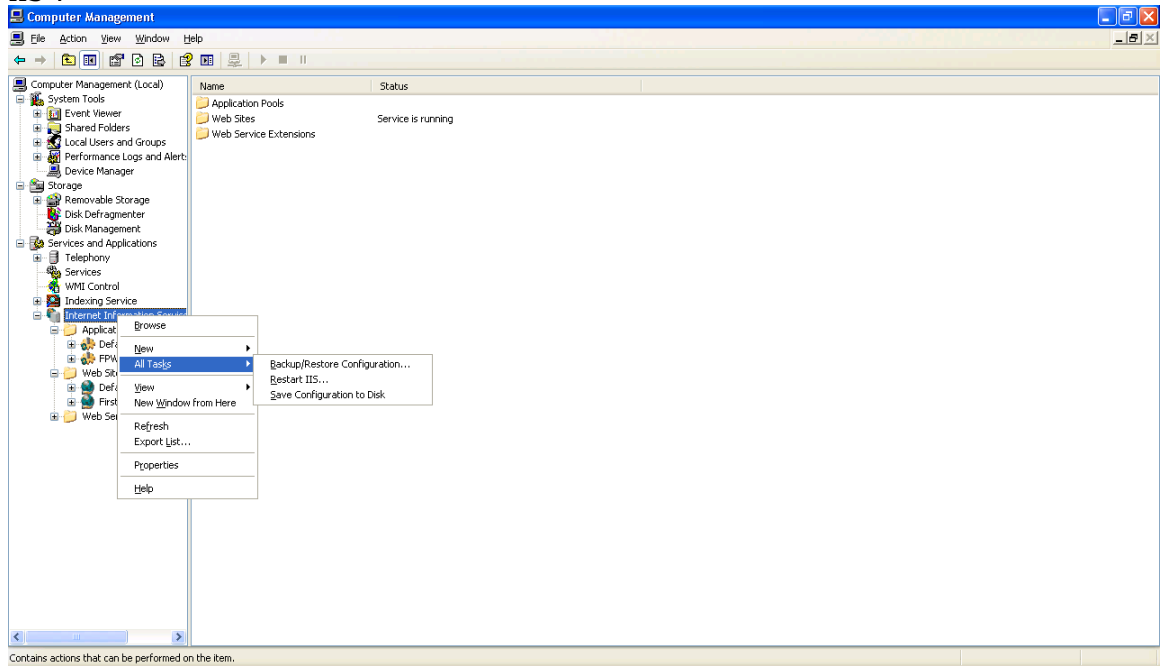
AUTHENTICATION METHODS	
Change settings in the following fields, and use defaults for all others:	
<i>Enable anonymous access</i>	Disable this check box.
<i>Integrated Windows authentication</i>	Enable this check box.



f.

ASP.NET TAB	
Change settings in the following fields, and use defaults for all others:	
<i>ASP.NET version</i>	Change this field to 2.0.50727.

14. Once all of these changes are made, right click on the top level node of IIS, choose All Tasks, and click "Save Configuration to Disk". Once the configuration has been saved, right click on the top level node of IIS, choose All Tasks, and click "Restart IIS".



Windows 2008 & IIS 7.0

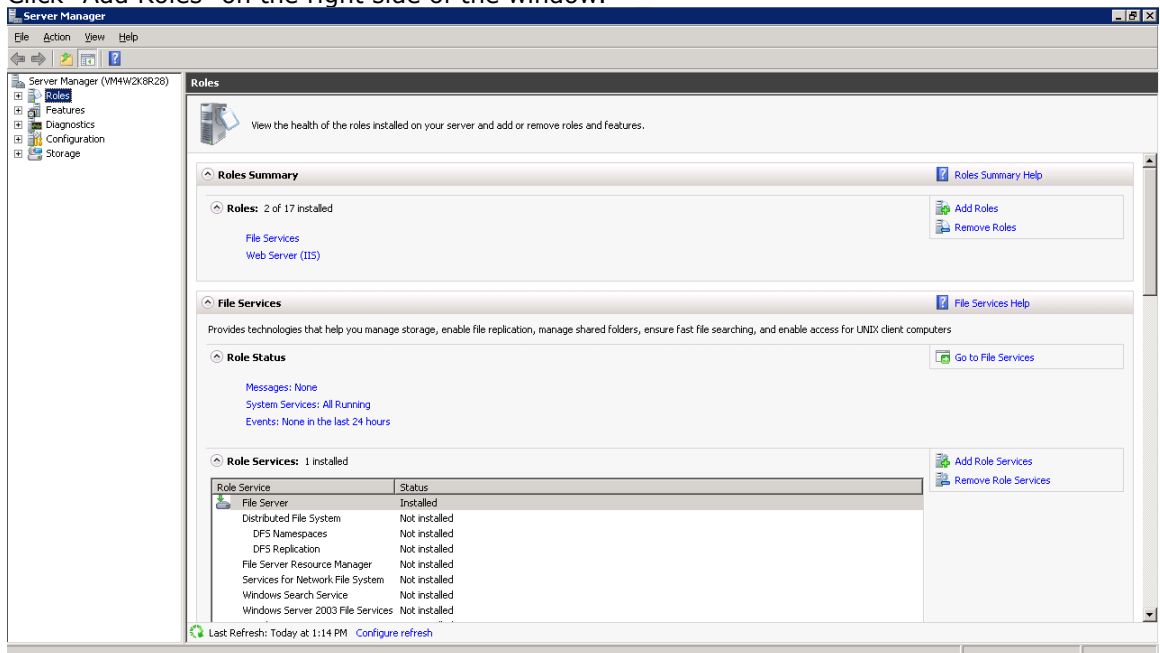
Before installing *FirstPAGE Web Client*, the following information must be considered:

- You must have an installed and configured copy of FirstPAGE Server running on a computer which is accessible from the computer you plan to install FirstPAGE Web Client on.

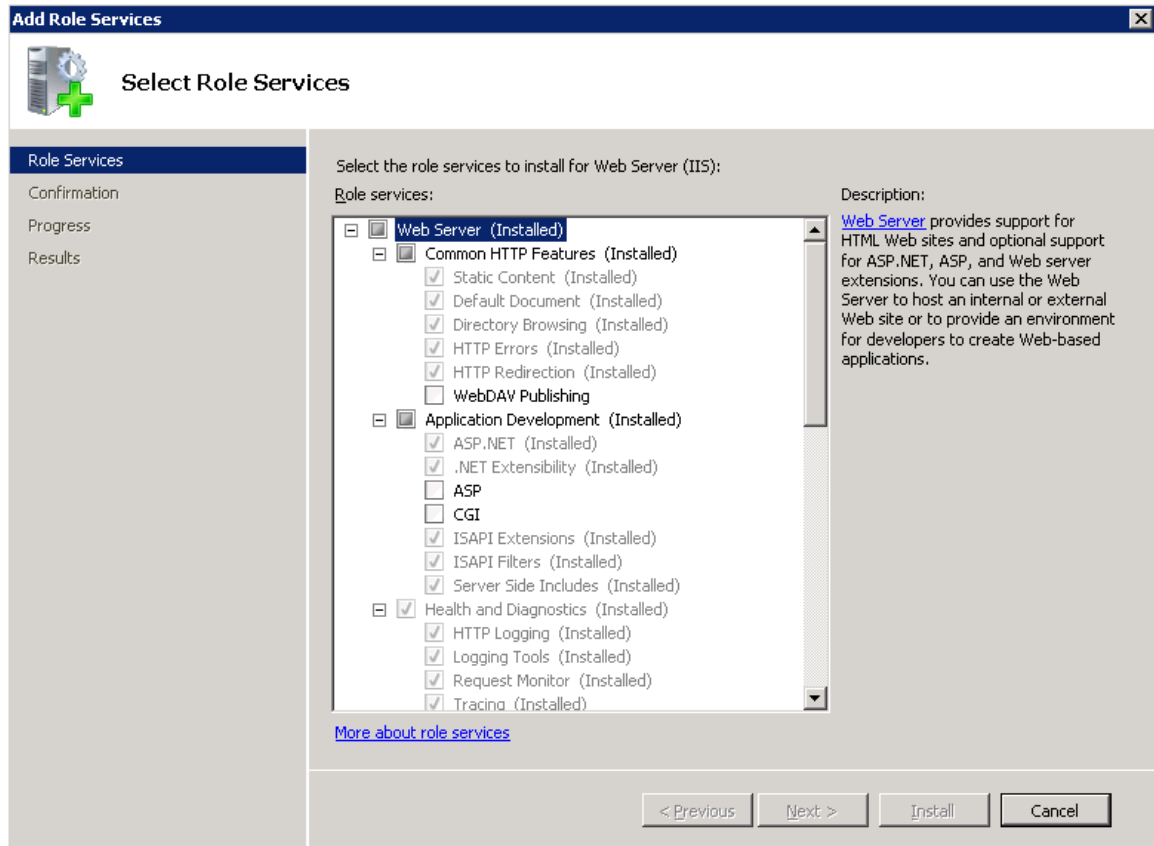
Installing and Configuring IIS

To Install Microsoft Internet Information Services:

1. Launch "Server Manager" from Control Panel → Administrative Tools.
2. Click the "Roles" node on the left side of the window.
3. Click "Add Roles" on the right side of the window.



4. Check the following items:



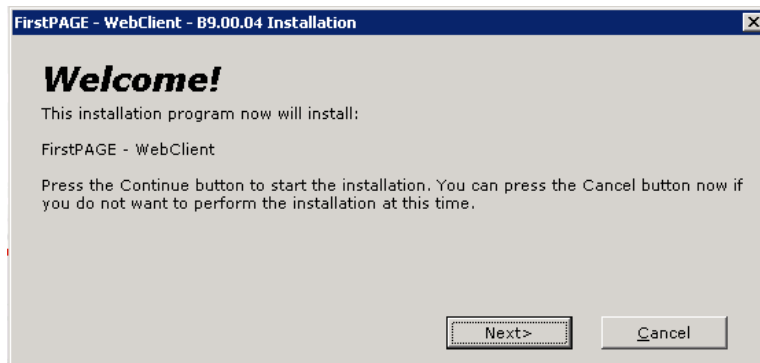
- a. Web Server
 - i. Common HTTP Features
 - 1. Static Content
 - 2. Default Document
 - 3. Directory Browsing
 - 4. HTTP Errors
 - 5. HTTP Redirection
 - ii. Application Development
 - 1. ASP.NET
 - 2. .NET Extensibility
 - 3. ISAPI Extensions
 - 4. ISAPI Filters
 - 5. Server Side Includes
 - iii. Health and Diagnostics
 - 1. HTTP Logging
 - 2. Logging Tools
 - 3. Request Monitor
 - 4. Tracing
 - 5. Custom Logging
 - 6. ODBC Logging
 - iv. Security
 - 1. Basic Authentication
 - 2. Windows Authentication
 - 3. Request Filtering
 - v. Management Tools

1. IIS Management Console
2. IIS Management Scripts and Tools
3. IIS 6 Management Compatibility (All options)
- vi. IIS Hostable Web Core
5. Click "Next" to perform the installation.
6. When the installation has completed, click "Finish".

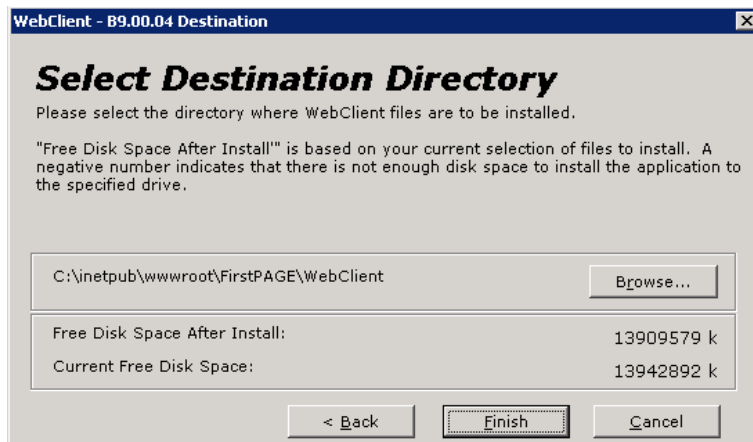
Installing FirstPAGE Web Client

To Install FirstPAGE Web Client:

1. Run *FirstPAGE Web Client* SETUP.EXE. Click *Next*.



2. You will be prompted for the installation destination directory.

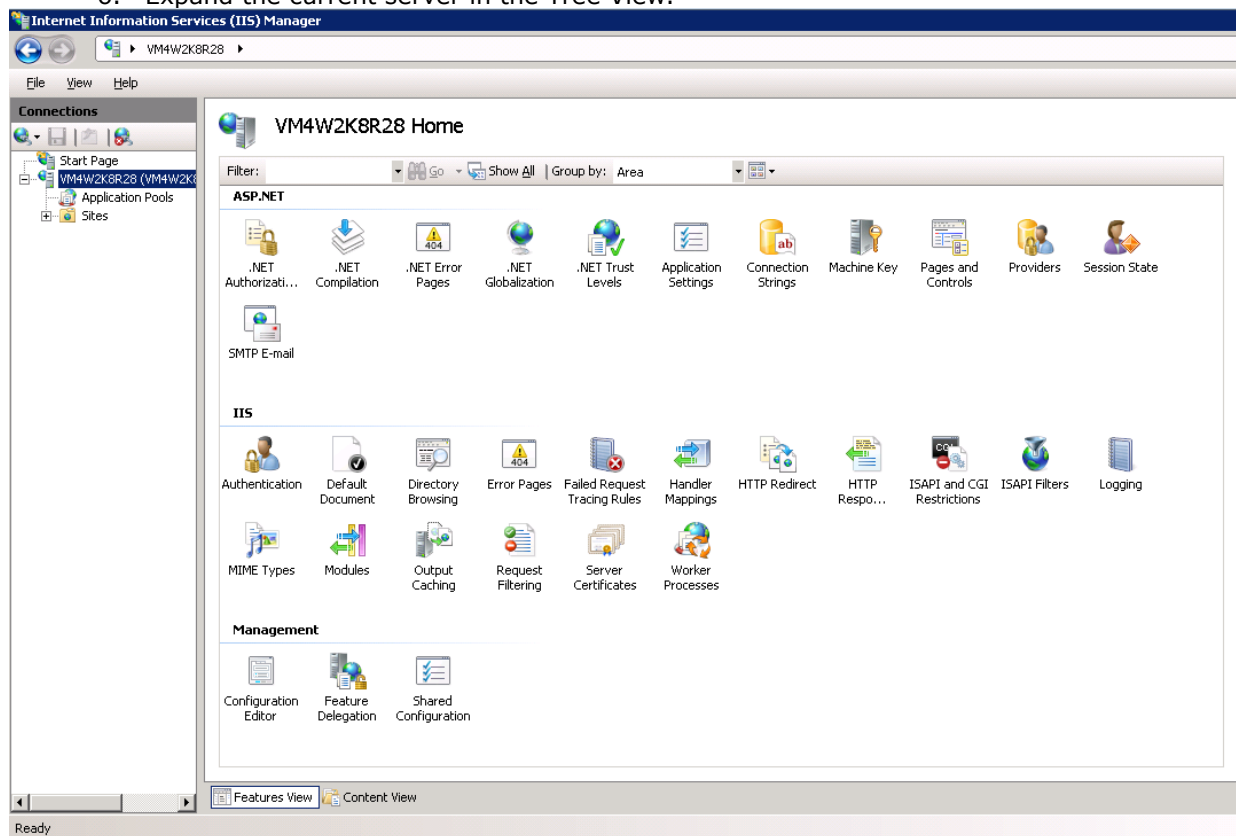


3. Click *Finish* to complete the installation. The computer must be restarted before the *FirstPAGE Web Client* can be configured or operated.

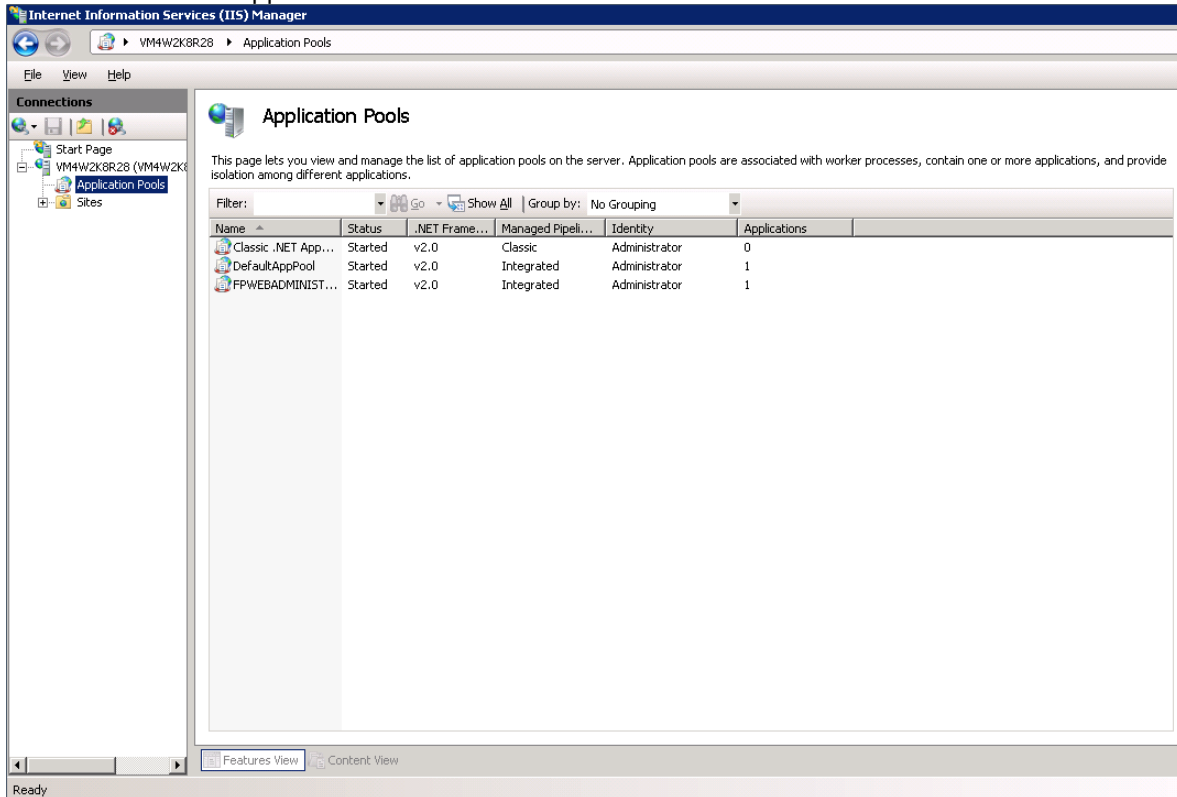
Configuring IIS for FirstPAGE Web Client

To Configure IIS for use with FirstPAGE Web Client:

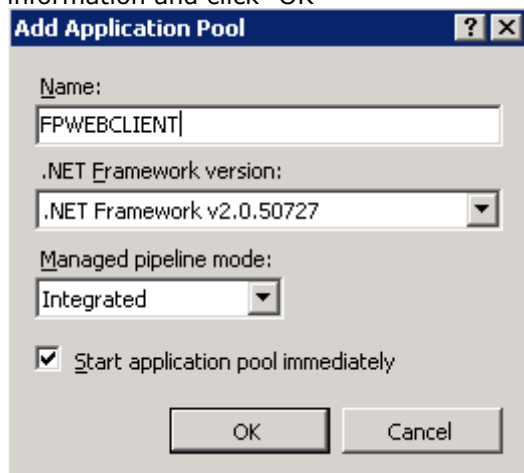
1. Open a command prompt.
2. Execute the following command to enable IIS to host a .NET 2.0 application.
 - a. `C:\Windows\microsoft.net\framework\v2.0.50727\aspnet_regiis -i`
3. Execute the following command to enable the IIS Windows Authentication Provider.
 - a. `cscript C:\inetpub\AdminScripts\adsutil.vbs set w3svc/NTAuthenticationProviders "NTLM"`
4. To confirm that this command executed properly, run the following command.
 - a. `cscript C:\inetpub\AdminScripts\adsutil.vbs get w3svc/NTAuthenticationProviders`
 - b. This command should return : `NTAuthenticationProviders : (STRING) "NTLM"`
5. Close the command prompt and open Internet Information Services (IIS) Manager from Start → Control Panel → Administrative Tools → Internet Information Services (IIS) Manager
6. Expand the current server in the Tree View.



7. Select "Application Pools"

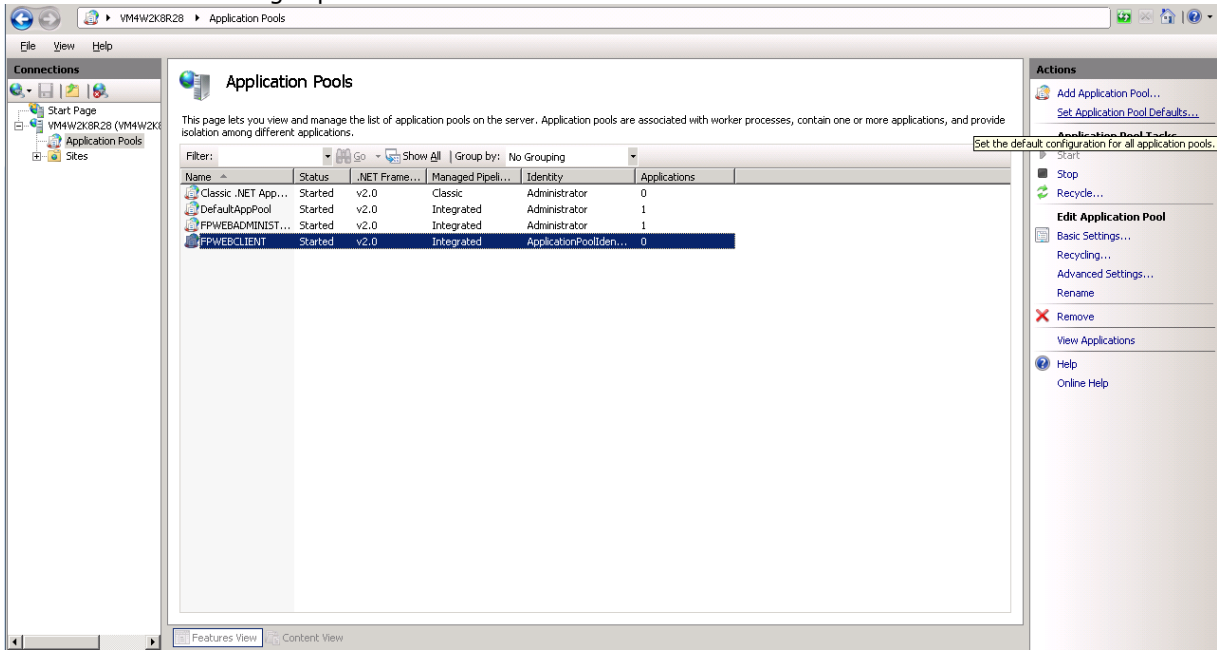


8. Right click in the right pane and select Add Application Pool. Enter the following information and click "OK"

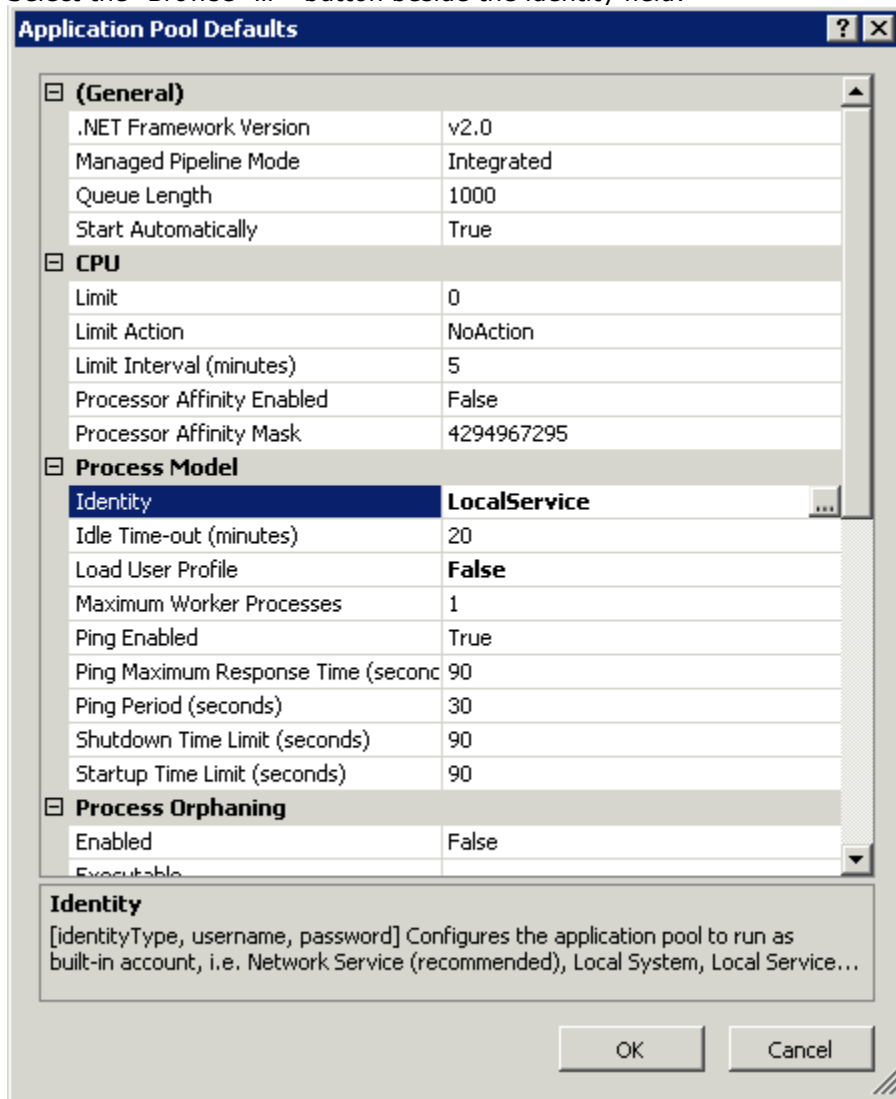


ADD APPLICATION POOL	
Change settings in the following fields, and use defaults for all others:	
<i>Name</i>	The name of the application pool that FirstPAGE Web Client will run on. This value should be set to "FPWEBADMINISTRATOR".
<i>.NET Framework Version</i>	The version of the .NET framework that this application pool will use. V2.0.50727 must be used for FirstPAGE Web Client.

9. Select the new application pool and select the action "Set Application Pool Defaults" from the right pane.



10. If you are using a 64-bit OS, change the "Enable 32-Bit Applications" option to True.
11. Select the "Browse ..." button beside the identity field:

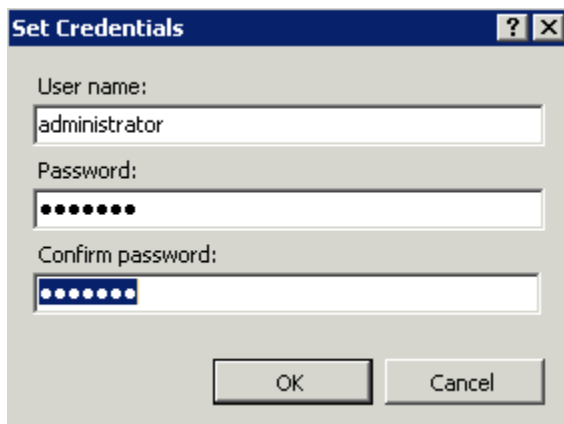
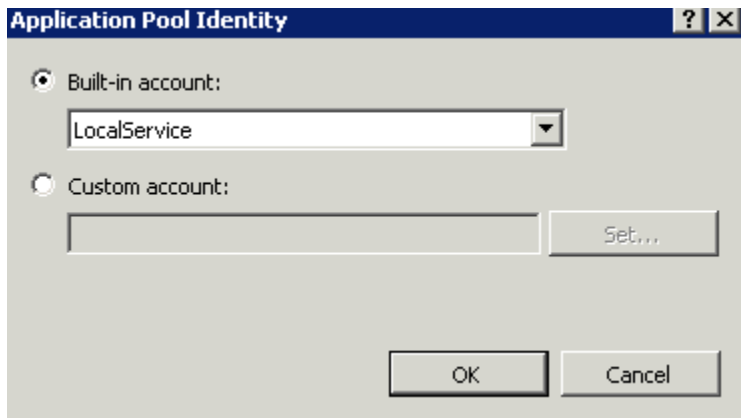


12. Select the "Custom account" option and enter a domain user to be used for share access permissions for the Application directory and database shares on remote FirstPAGE Servers. Enter the username which will be granted access to the FirstPAGE Server shares on the remote FirstPAGE Servers. This will require that the IIS server be in the same domain as the FirstPAGE Servers or trusted by those servers domains. This username will be used by the IIS Server for the FP WebAdministrator application and all network access performed by IIS will be under this authentication.

In order for IIS to successfully authenticate this user, the user must be added to the IIS_WPG user group.

Additionally, security policies must be granted on the domain controller for the user utilized by the application pool. From Administrative Tools → Domain Security Policies → User Rights Assignment, add the user to the following policies:

- a. Adjust memory quotas for a process
- b. Replace a process level token
- c. Login as a service



13. Click "OK" to return to the main IIS administration screen.
14. Click the "Sites" folder in the IIS administration interface.

15. Right click "Sites" folder and select "Add Website"

The screenshot shows the "Add Web Site" dialog box. The "Site name" field is empty. The "Application pool" dropdown is set to "DefaultAppPool". The "Content Directory" section has an empty "Physical path" field. The "Binding" section has "Type" set to "http", "IP address" set to "All Unassigned", and "Port" set to "80". The "Host name" field is empty. The "Start Web site immediately" checkbox is checked. The "OK" and "Cancel" buttons are at the bottom right.

16. Enter the Site name as "FPWEBCLIENT"
17. Select the "FPWEBCLIENT" Application pool.
18. Browse the "Physical path" to select the directory where FirstPAGE Web Client was installed.
19. Set the Port to a number of your choice. The recommended port number for FirstPAGE Web Client is port 82.
20. Enter the "Host name" as appropriate.
21. Click OK to create the website
22. Select the top level node of IIS and double click "Authentication" in the right pane.
23. Right click "Windows Authentication" and choose "Enable".
24. Once all of these changes are made, select the top level node of IIS and choose "Restart" from the right pane.

3. Configuration

Setting up the Application

Before you can begin using *FirstPAGE Web Client*, you must add at least one Server to the administrator. Once the Server is added, various settings that control the interface to the Server must be configured. The steps required include:

1. Adding a Server
2. Adding a Destination
3. Adding Distribution Lists

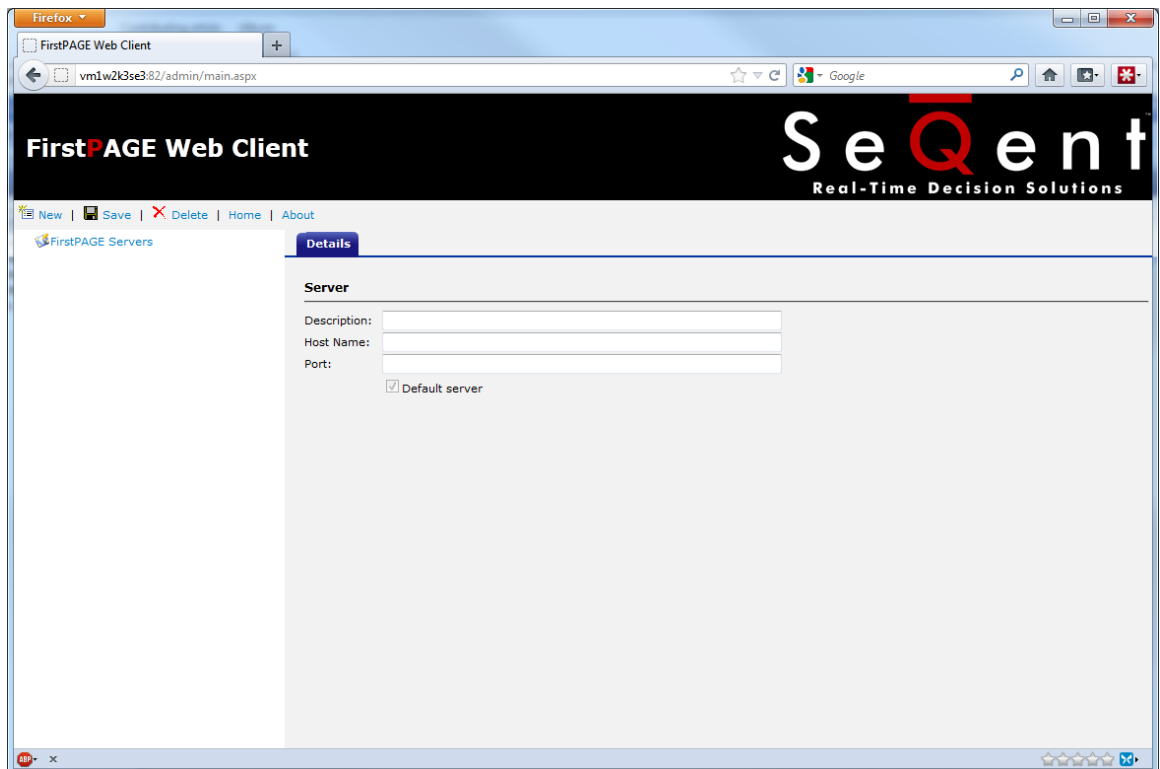
Configuring Key Components - Server

Adding a Server

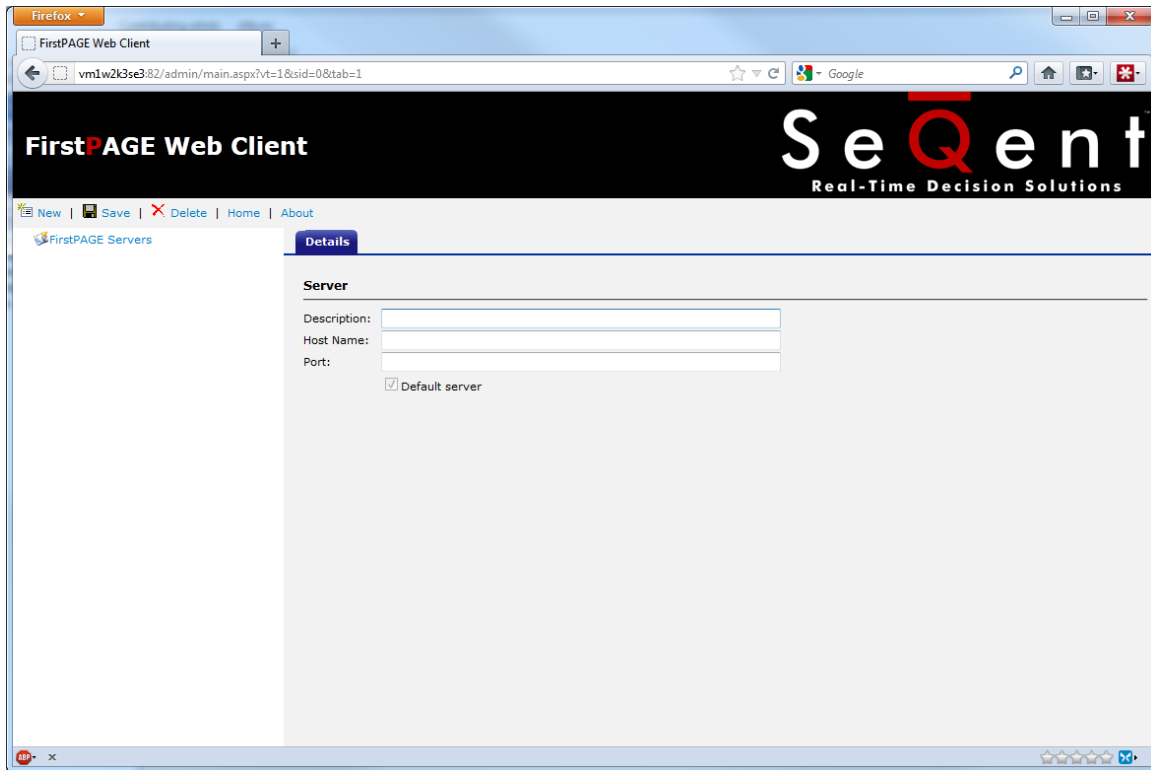
FirstPAGE Web Client allows multiple servers to be added and maintained from your *FirstPAGE Web Client*.

New Server Steps

1. After installing and restarting your computer, open the web browser of your choice and navigate to `http://iisserver:(Website Properties Port Number)/Default.aspx?adminuser=1` (eg `http://lab14:82/Default.aspx?adminuser=1`)



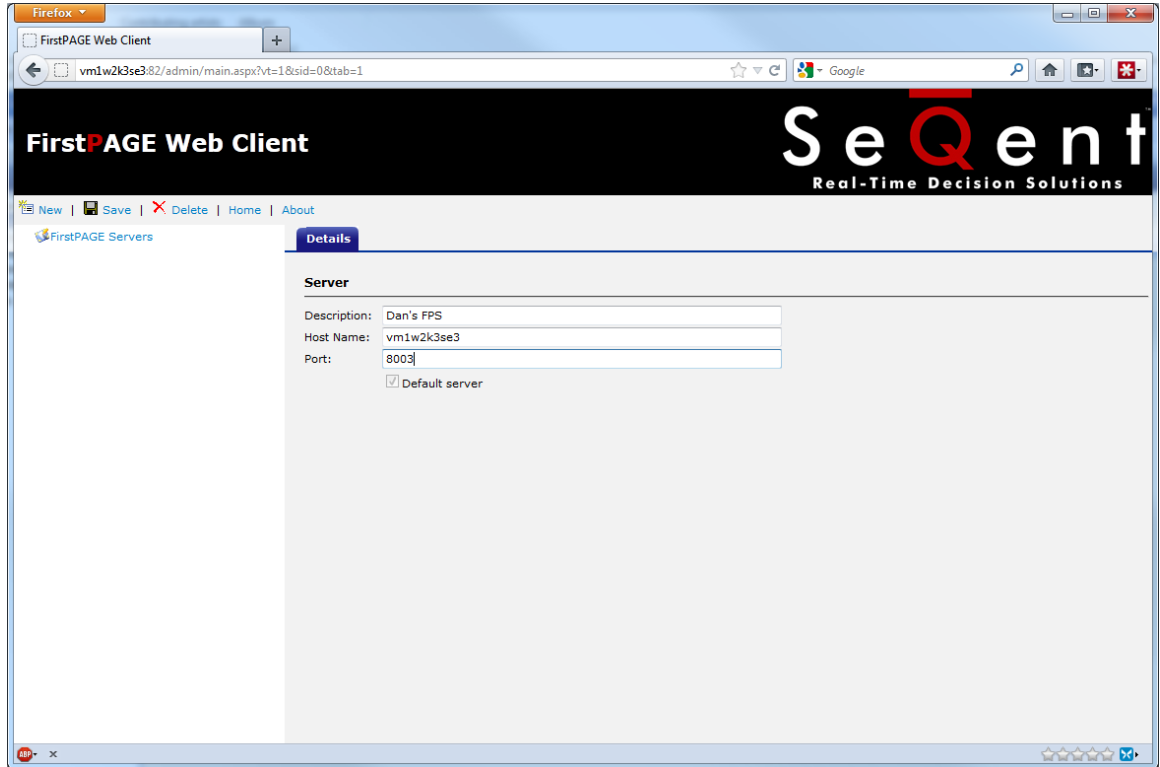
2. Select the *FirstPAGE Servers* icon in the tree view. Click the *New* button in the right hand pane. The right hand pane will change to show the *Details* tab. The *Details* tab defines the connection from the *FirstPAGE Server* to the *FirstPAGE Web Client* allowing it to maintain a server.



DETAILS TAB	
Server	
<i>Description</i>	Any text the administrator wishes to refer to the server as. This field is optional
<i>Host Name</i>	A TCP/IP resolvable name which must be in your DNS server or local host file and can be reached from the Administrator workstation
<i>Port</i>	The port number that FirstPAGE Server is running at on the specified machine. The default port number for FirstPAGE Server is 8003.
<i>Default Server</i>	Set this server as the default server that is used when the application starts up.

FirstPAGE Web Client V9

3. After completing the details tab, click on the *Save* button in the toolbar to add the server to the tree view.



4. Using FirstPAGE Web Client

Using FirstPAGE Web Client Tree View

The FirstPAGE Web Client user interface is conveniently displayed in a tree view. The Server, when expanded, shows folders for Destinations and Distribution Lists. They enable the user to add information about the destinations and will serve as shortcuts to already configured Destinations and Distribution Lists, allowing the user to quickly locate this information.

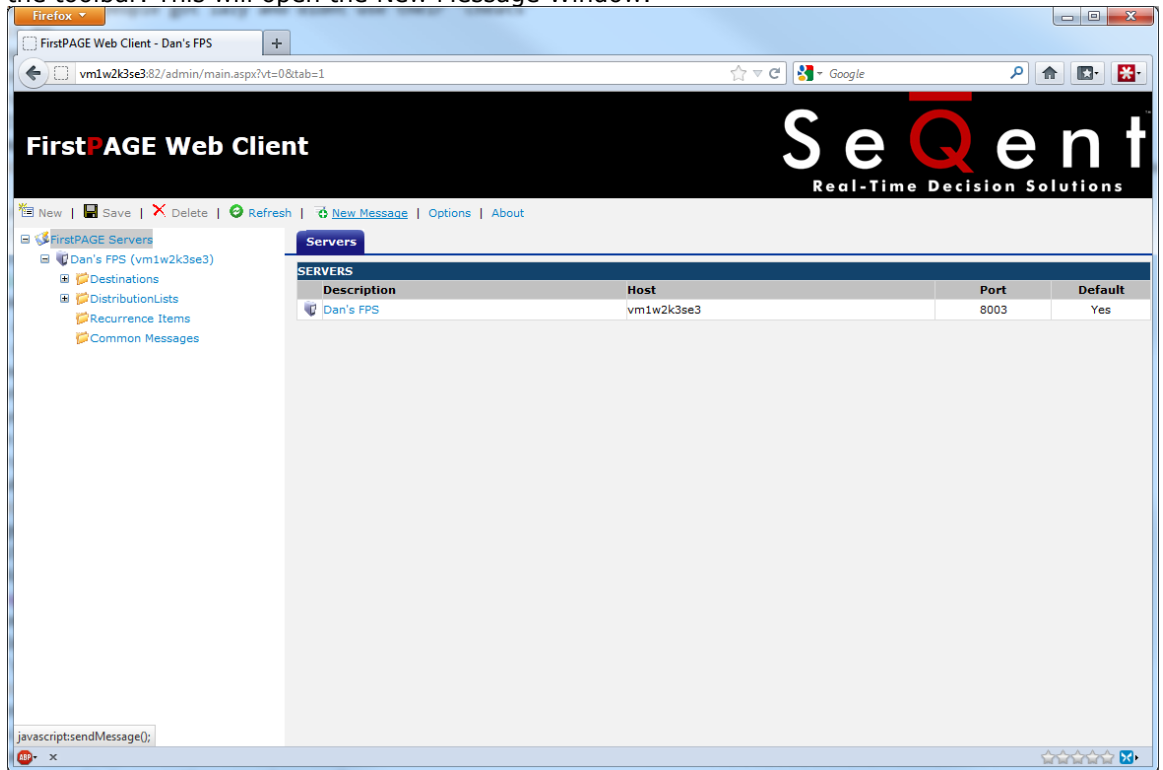
The *Distribution Lists* folder also contains a *Destinations* folder which contains the destinations included under each particular list.

There are many features that make using FirstPAGE Web Client easier and more effective that include:

- Sending messages to destinations or distribution lists
- Viewing the Details of Tree View Items
- Creating Personal Destinations
- Creating Personal Distribution Lists
- Creating Recurrence Items
- Creating Common Messages
- Paging to a different FirstPAGE Server
- Setting up a personal signature

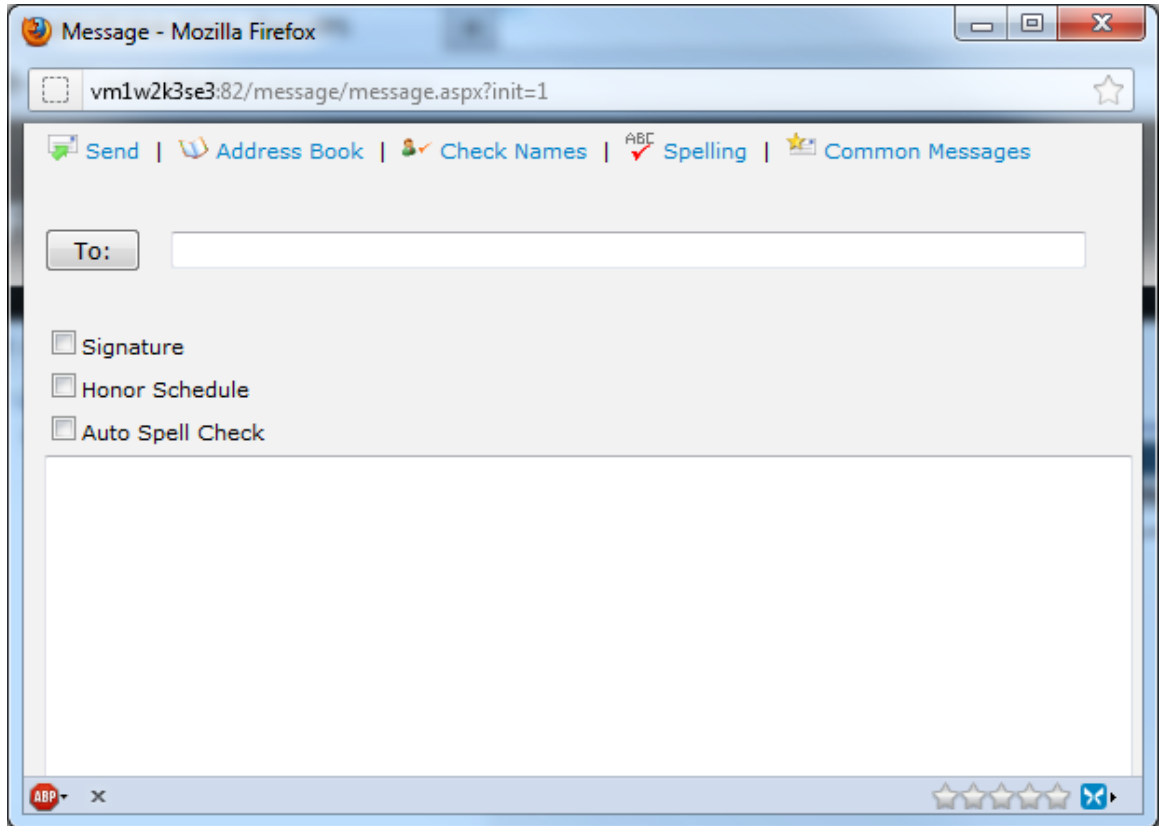
Sending Messages

1. To send a message in FirstPAGE Web Client, click on the "New Message" button in the toolbar. This will open the New Message Window.



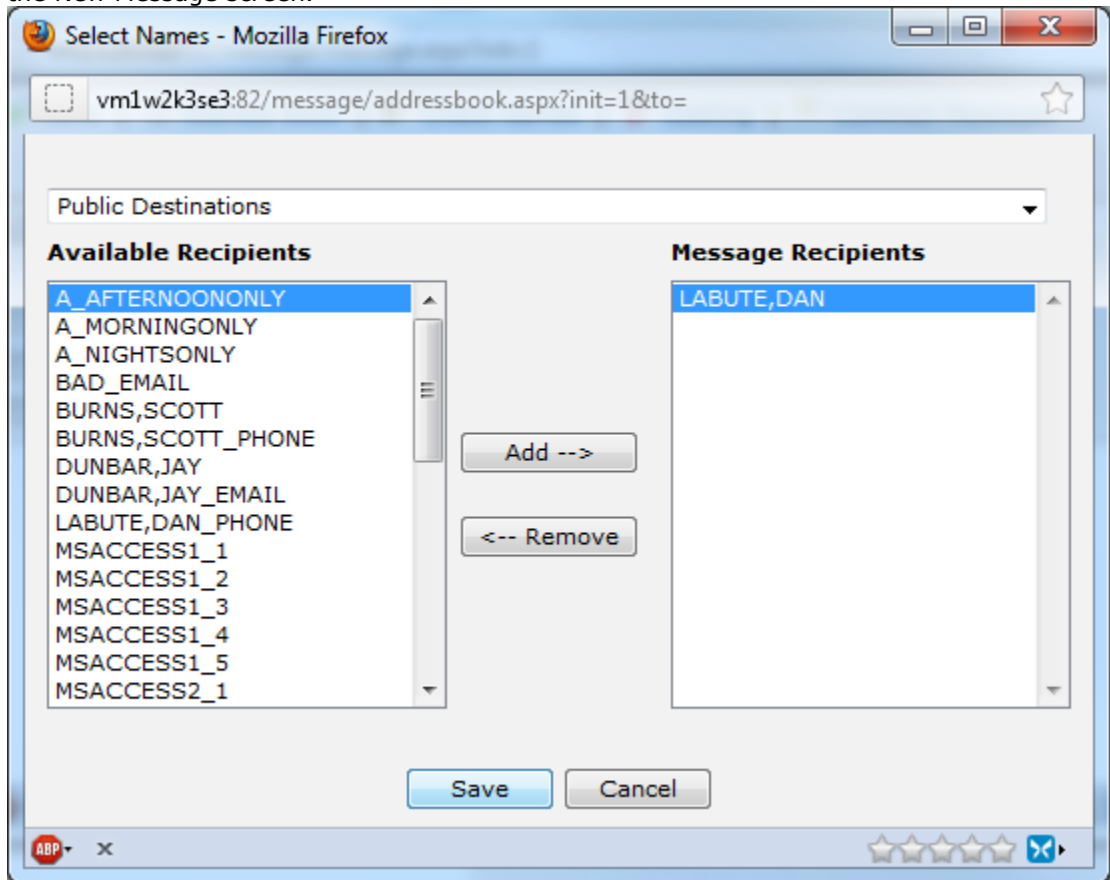
Configuration

2. Click the "To" button to launch the destination selection window.



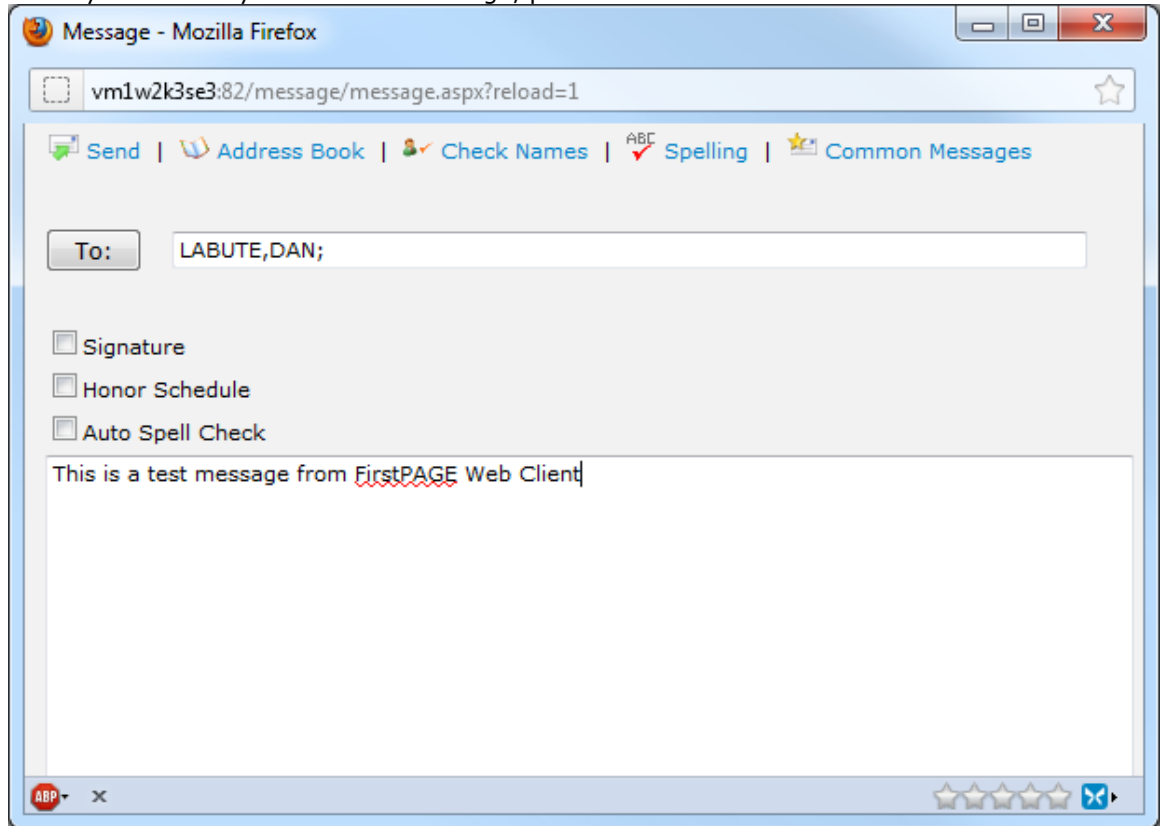
3. Choose the type of messaging destination to view via the dropbox at the top of the window.
4. Select the destinations you wish to page by clicking their name in the left hand pane, and then clicking the "Add" button to move them to the right pane.

5. When you are finished choosing destinations, click the "Save" button to return to the New Message screen.



6. Type the message you wish to send in the message field at the bottom of the window.

7. When you are ready to send the message, press the "Send" button in the toolbar.



NEW MESSAGE WINDOW	
Buttons	
<i>Send</i>	Sends the text entered in the message field to the destinations specified in the To field.
<i>Address Book</i>	Opens a new window containing a list of all paging destinations on the current server.
<i>Check Names</i>	Checks the contents of the To field to ensure all destination names are valid.
<i>Spelling</i>	Opens a new window to perform a spell check of any text in the message field.
<i>Common Messages</i>	Opens a new window allowing the user to select from the list of configured Common Messages to insert into the message field.
<i>To</i>	Opens a new window allowing the user to select the destinations or distribution lists to send the message to.
<i>Signature</i>	If checked, the user's personal signature will be appended to the message before sending.
<i>Honor Schedule</i>	If checked, FirstPAGE Web Client will check the schedules of all destinations and distribution lists in the To box to ensure that they would normally receive pages for the current time period. If a destination is outside of its schedule, they will not receive pages if this box is checked.
<i>Auto Spell Check</i>	If checked, the spell checker will automatically be launched prior to sending the message.

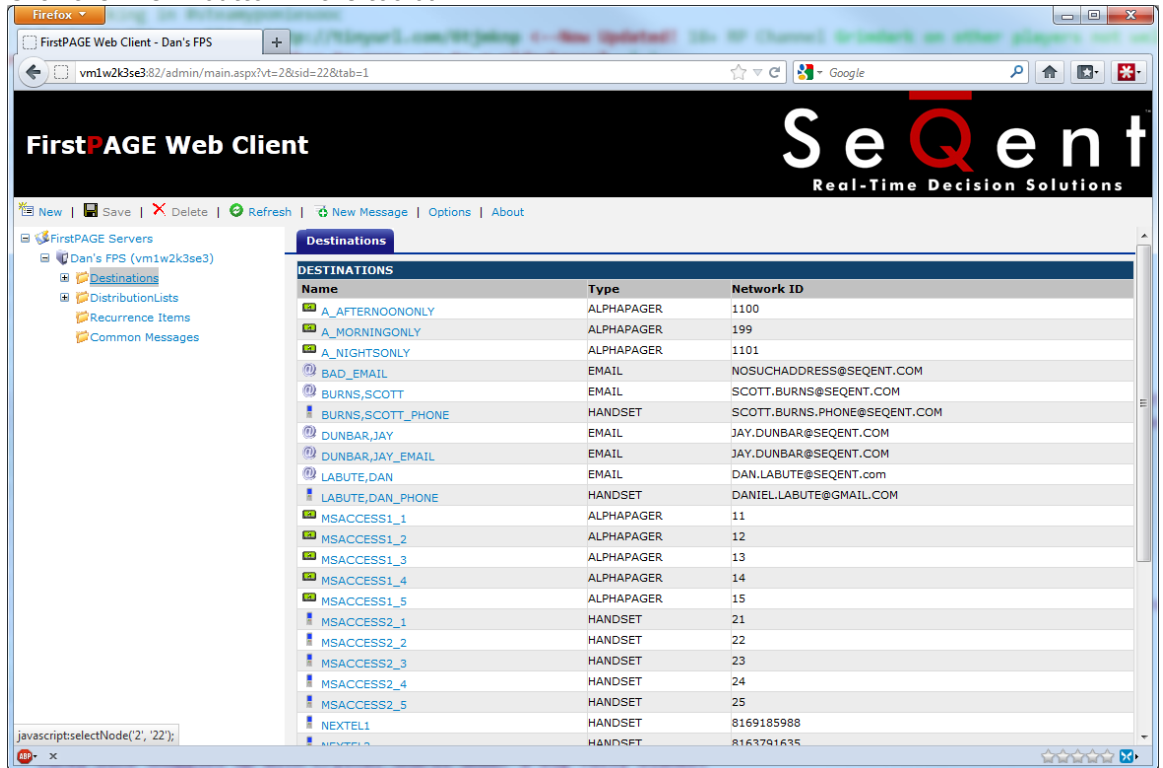
Viewing the Details of Tree View Items

Select the item you wish to alter. The information regarding it will show up on the right hand side of the screen.

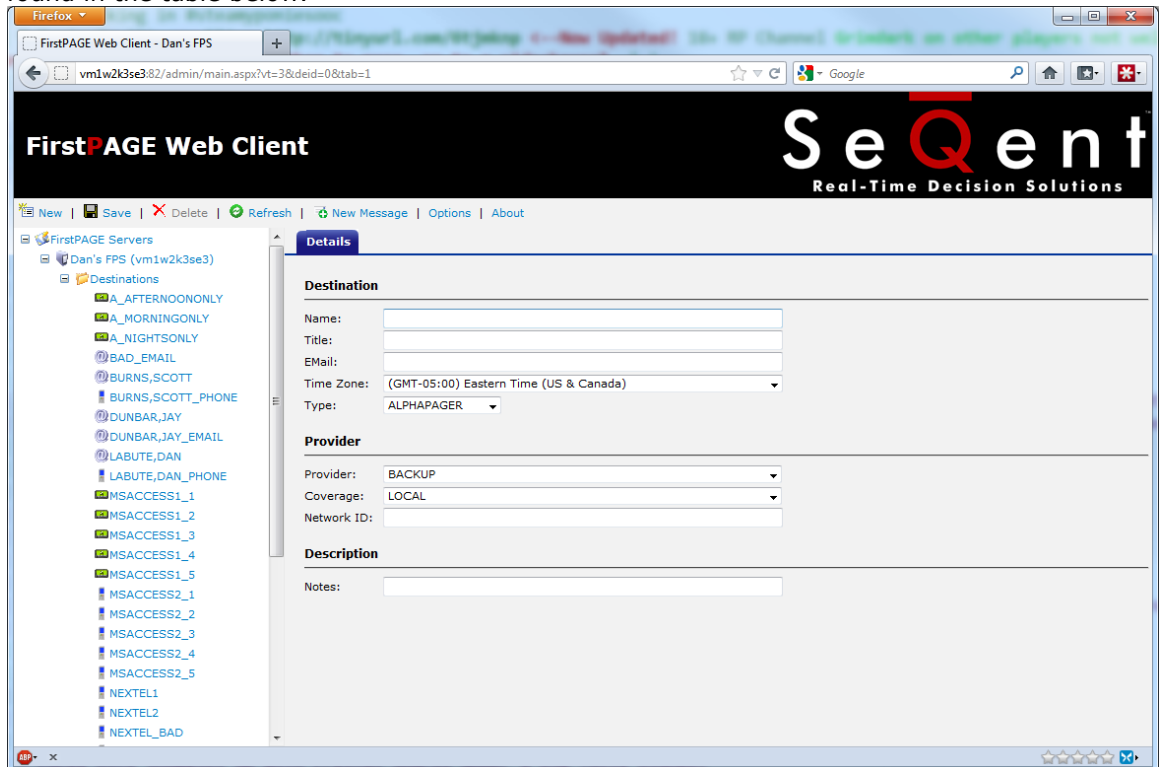
Creating Personal Destinations

Personal Destinations are similar to regular FirstPAGE Destinations, but are only visible to you

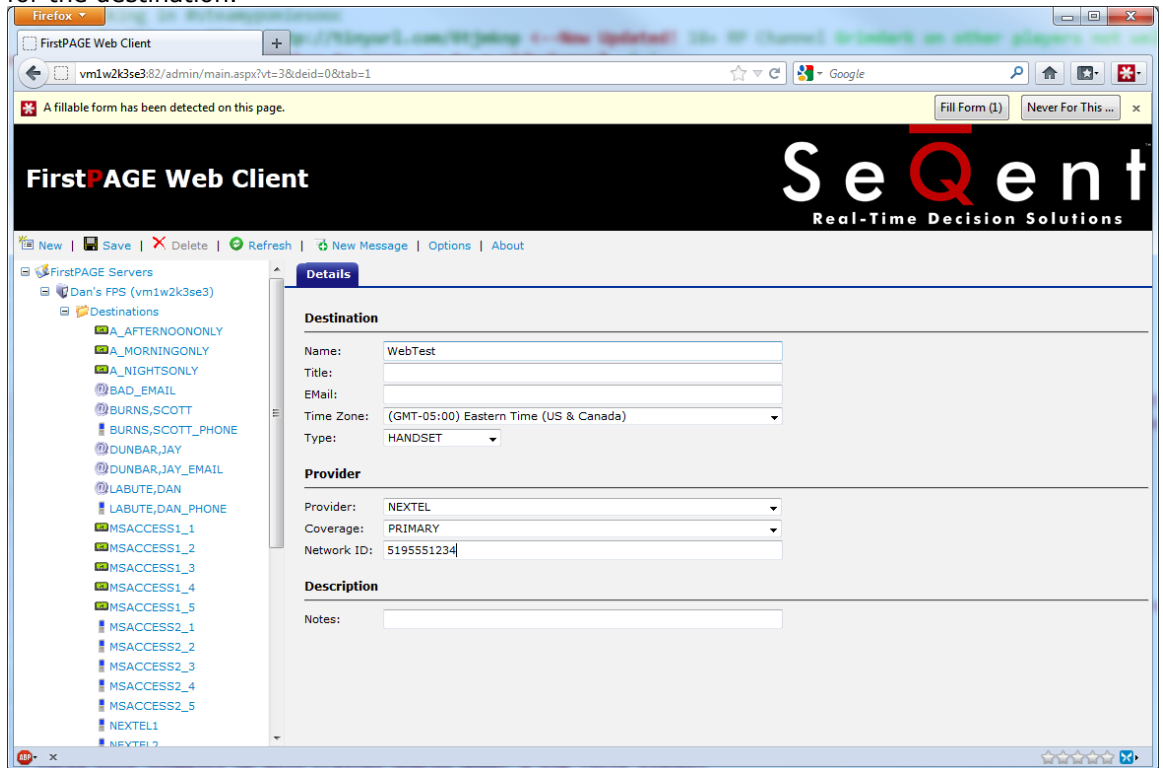
1. Click on the Destinations folder in the left hand Tree View.
2. Click the "New" button in the toolbar.



- Fill in the fields for this destination. Detailed explanations of each field can be found in the table below.



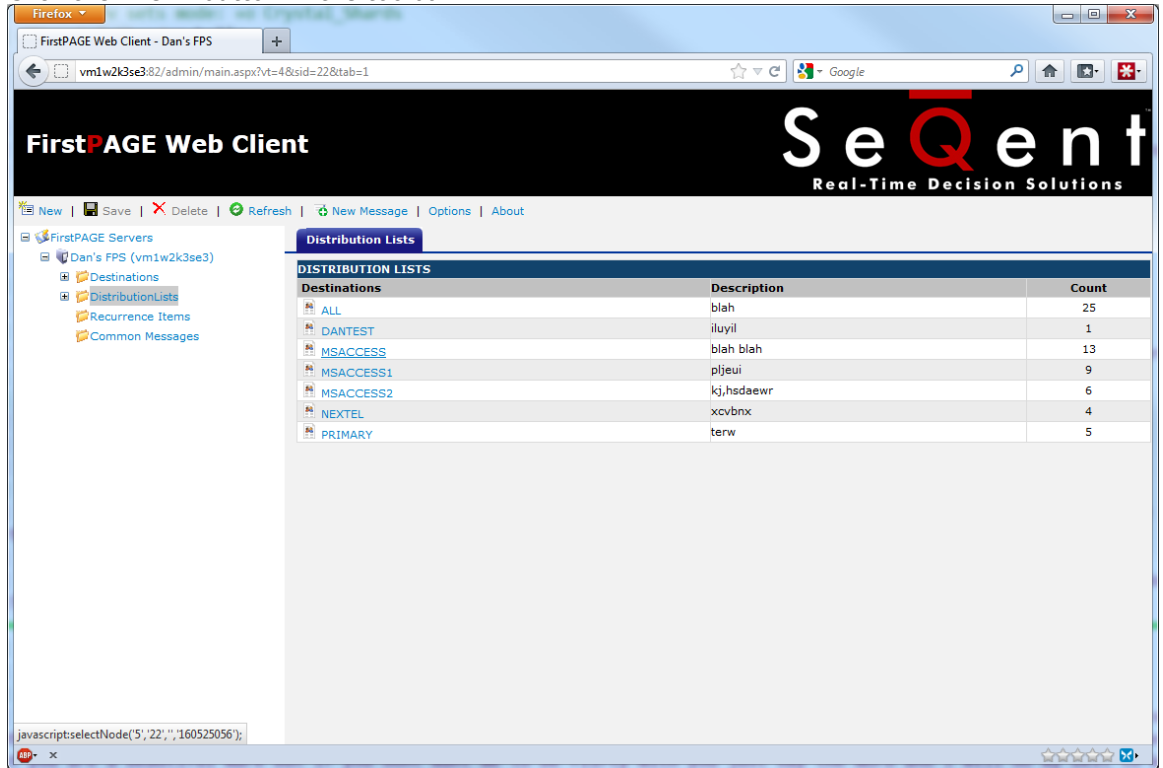
- Click the "Save" button in the toolbar when you have finished entering the details for the destination.



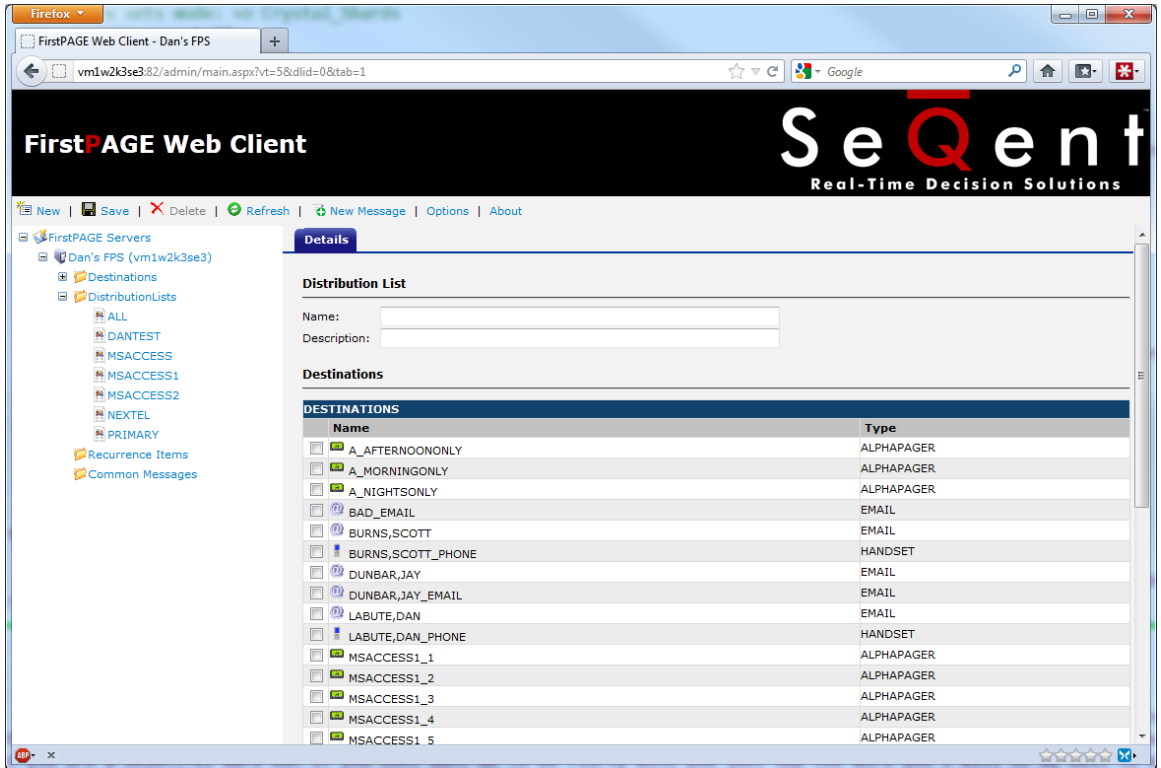
DETAILS TAB	
Destination	
<i>Name</i>	The display name for this destination. This value will be the name of the destination in the tree view.
<i>Title</i>	(Optional) Title of the owner of the destination.
<i>Email</i>	(Optional) The email address of the owner of the destination.
<i>Time Zone</i>	The time zone that this destination is located in.
<i>Type</i>	The physical type of the destination.
Provider	
<i>Provider</i>	The name of the provider that will be used to send messages to this destination. Contact your FirstPAGE Server admin for detail on which provider to use.
<i>Coverage</i>	The subset of the provider that will be used to send messages to this destination.
<i>Network ID</i>	The Network ID to which messages will be sent. In the case of pagers and handsets, this will be a phone number, including area code. In the case of an email destination, this will be an email address.
Description	
<i>Notes</i>	Enter or browse to the <i>Log Path</i> required to access the logs directory on the current FirstPAGE Server. In most cases, if the server is locally installed this path will be a drive letter based directory specification (e.g.: C:\Program Files\FirstPAGE\Server\Logs\). If the server being managed is not the local server then this path will most likely be a UNC path (\\server\share\directory\), which provides access to the remote servers log directory. (e.g.: \\LAB1\FPServer\logs\).

Creating Personal Distribution Lists

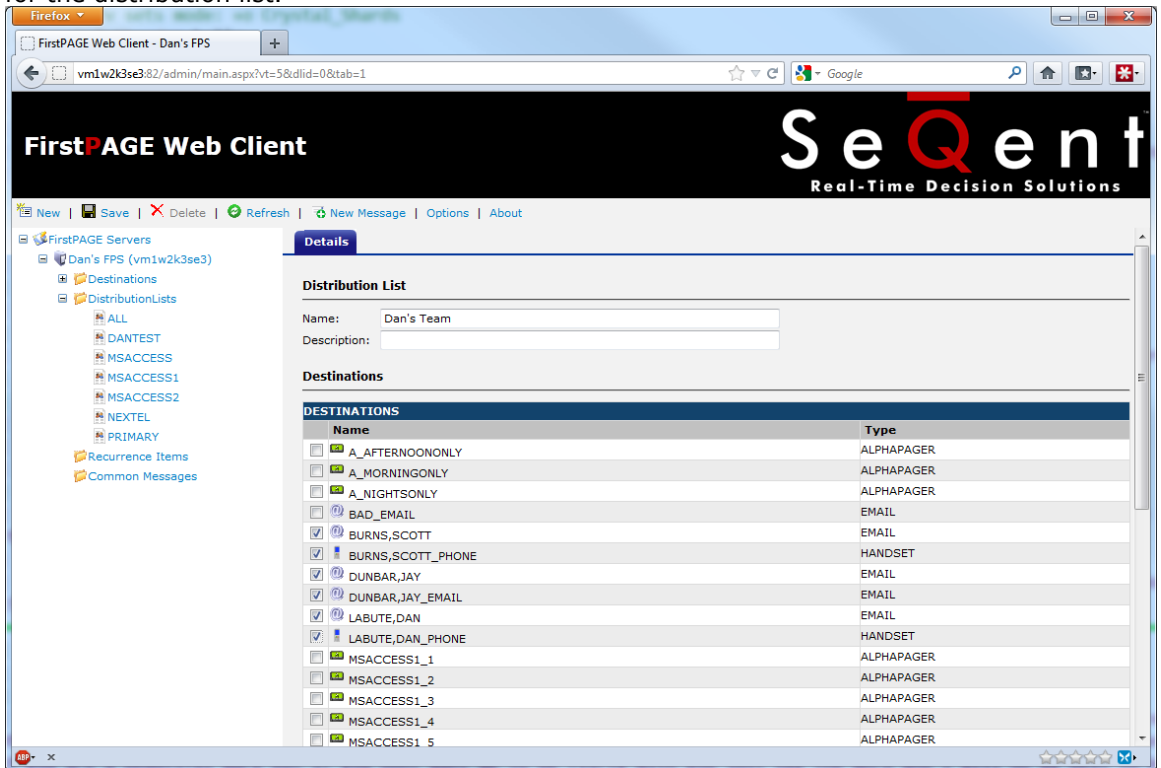
1. Click on the Distribution Lists folder in the left hand Tree View.
2. Click the "New" button in the toolbar.



- Fill in the fields for this distribution list. Detailed explanations of each field can be found in the table below.



- Click the "Save" button in the toolbar when you have finished entering the details for the distribution list.



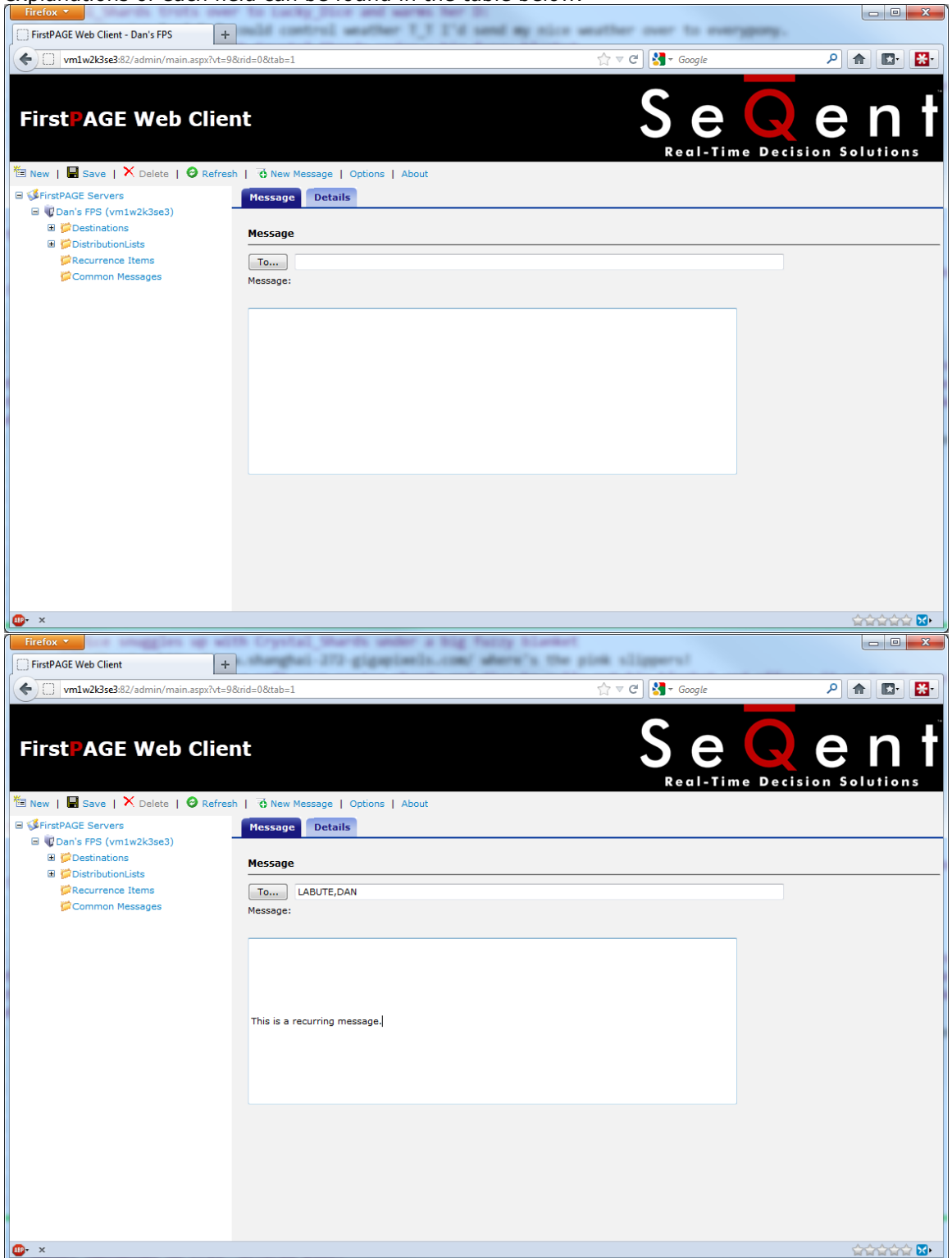
DETAILS TAB	
Distribution List	
<i>Name</i>	The display name for this distribution list. This value will be the name of the distribution list in the tree view.
<i>Description</i>	(Optional) A description of the distribution list.
Destinations	
<i>Destinations</i>	The list of destinations which will be part of this distribution list.

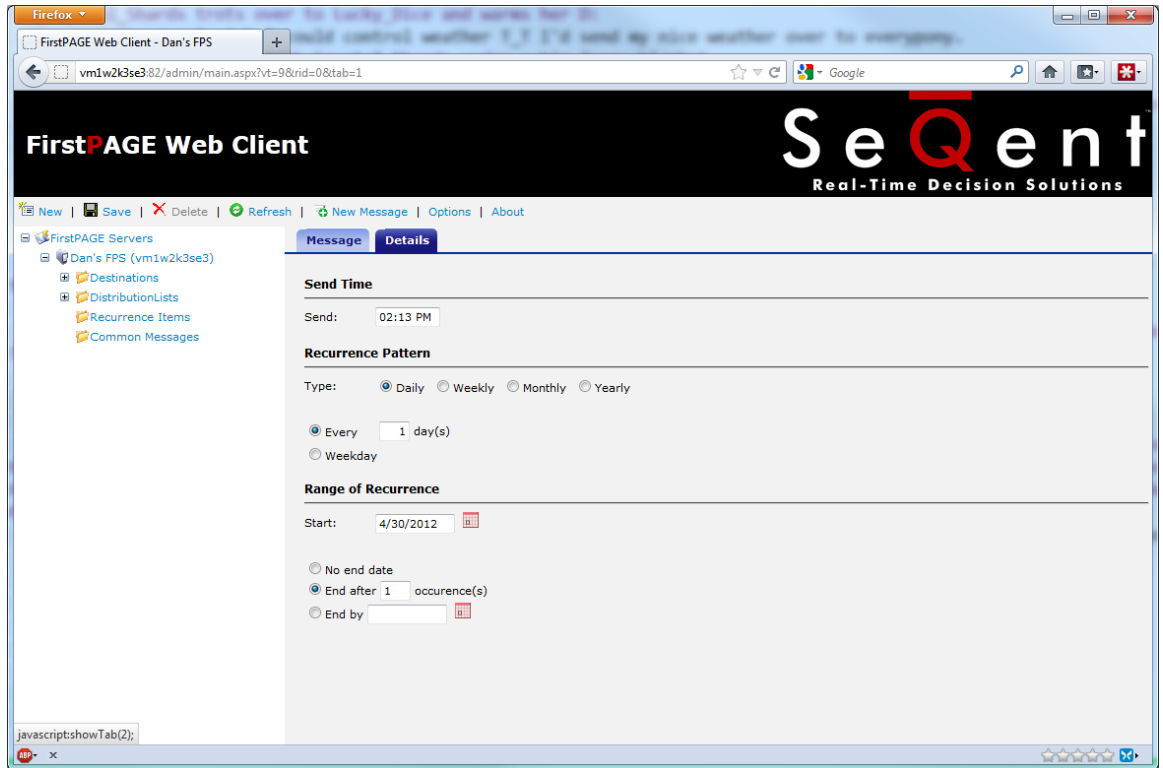
Creating Recurrence Items

1. Click on the Distribution Lists folder in the left hand Tree View.
2. Click the "New" button in the toolbar.

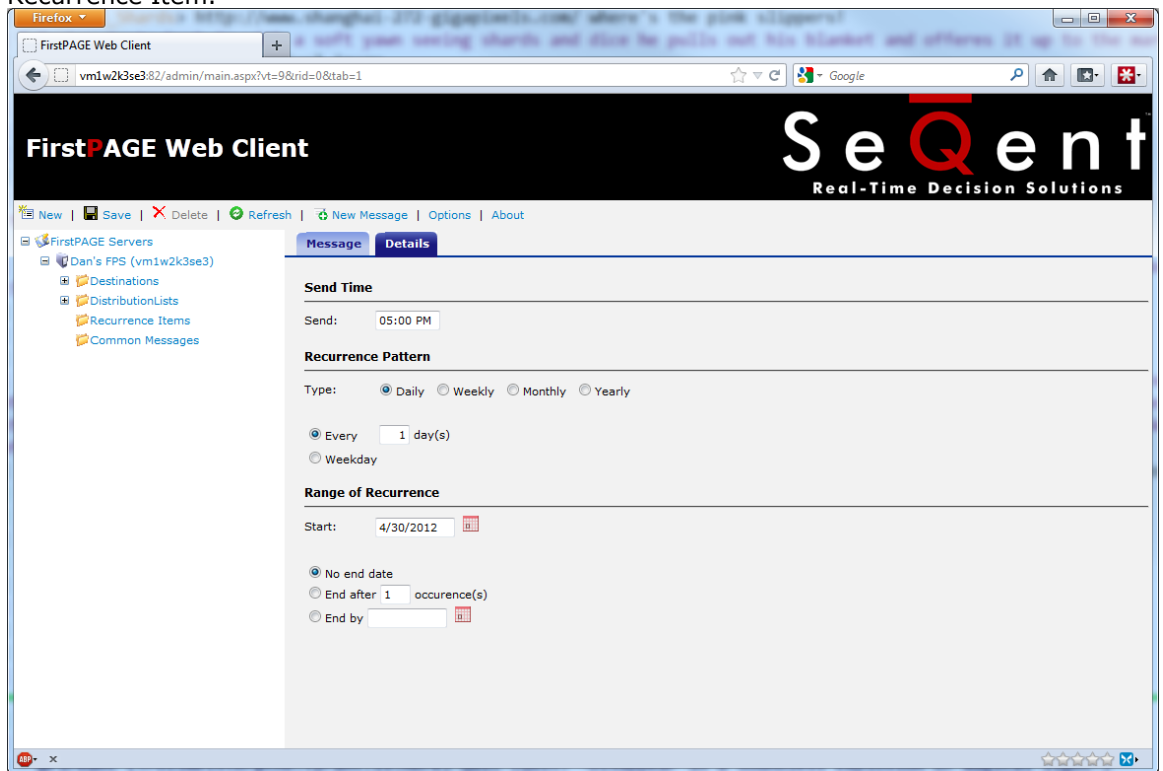


- Fill in the To and Message fields on the Message tab, and click the details tab. Fill in the fields on this screen to set the parameters of the recurring message. Detailed explanations of each field can be found in the table below.





4. Click the "Save" button in the toolbar when you have finished configuring the Recurrence Item.



RECURRENCE ITEMS	
Message Tab	
<i>To</i>	List of destinations or distribution lists to send this message to.
<i>Message</i>	The message text to send to the specified destinations.
Details Tab	
<i>Send Time</i>	The time of day that the recurring message will be sent at.
<i>Recurrence Pattern</i>	The interval at which the recurring message will be sent.
<i>Range of Recurrence</i>	The range of dates that the recurring message will occur in.

Creating Common Messages

1. Click on the Distribution Lists folder in the left hand Tree View.



2. Click the "New" button in the toolbar.



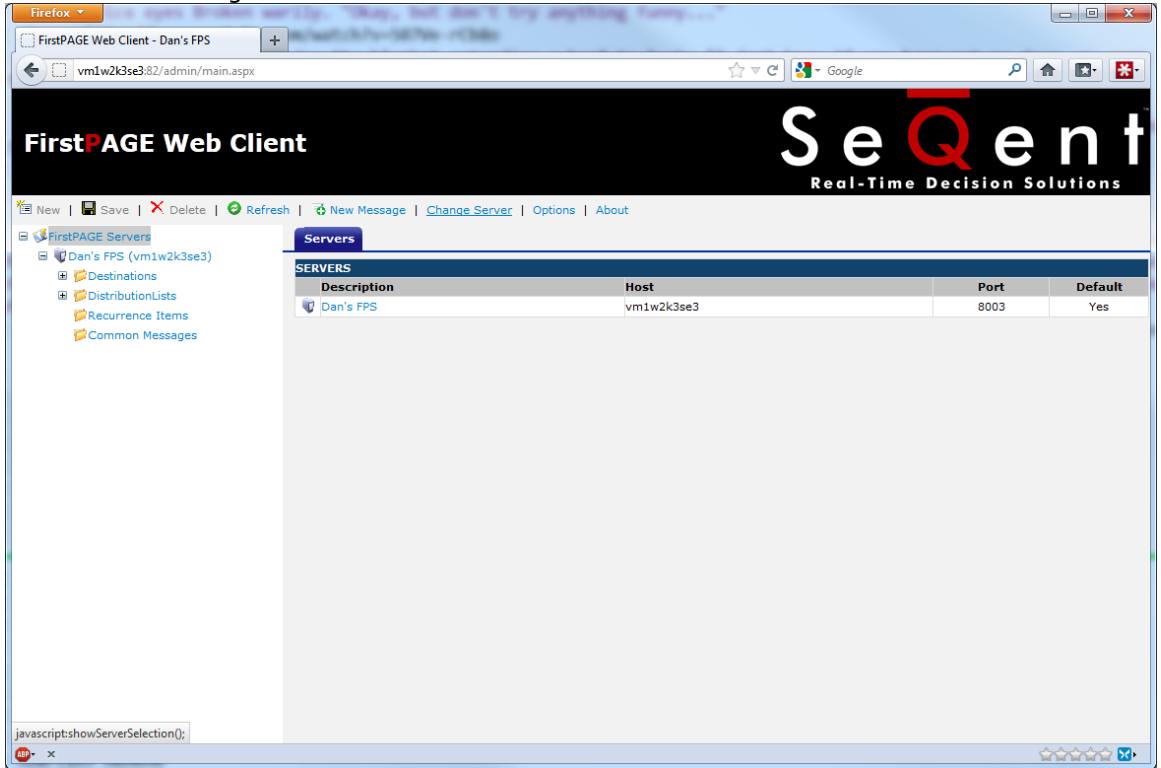
3. Enter the message text for the common message and click the "Save" button in the toolbar when complete.



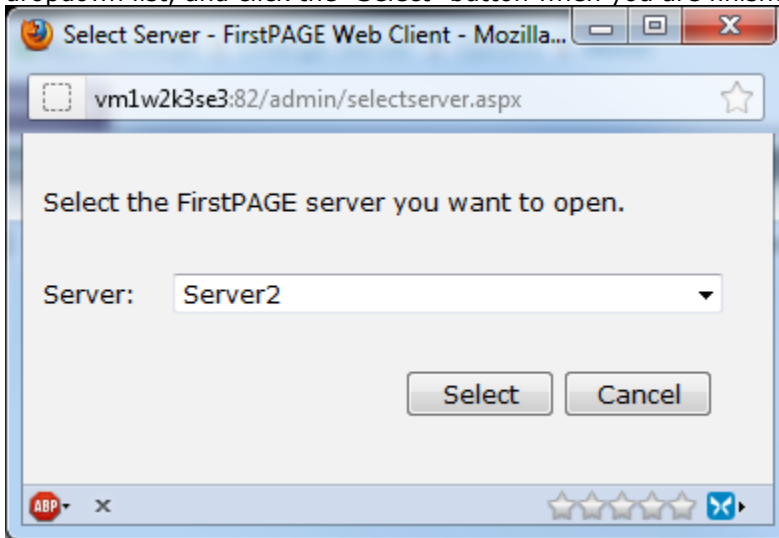
Paging to Destinations on a different FirstPAGE Server

If you have more than one server configured in your FirstPAGE Web Client, you can switch between servers to page destinations on a different FirstPAGE Server. This can be used to achieve cross-site paging.

1. Click on the "Change Server" button in the toolbar.



2. In the Select Server window, choose the server you wish to connect to from the dropdown list, and click the "Select" button when you are finished.



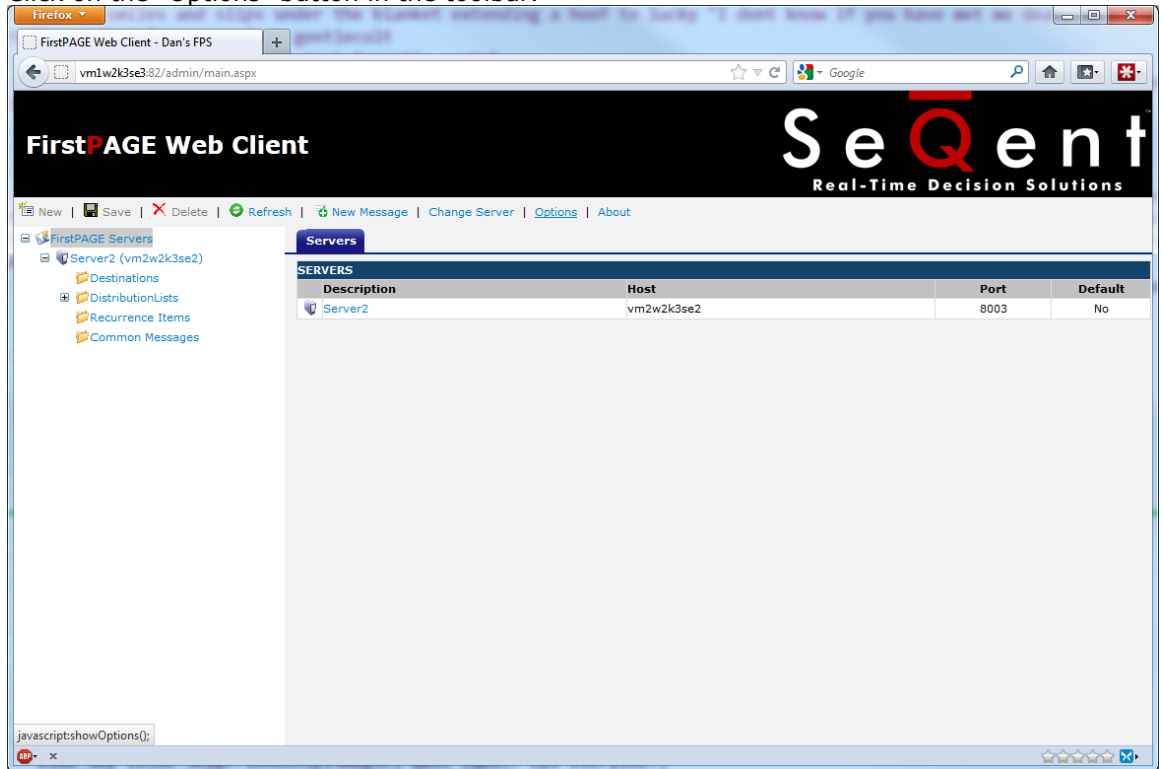
Configuration

3. If security is set up on the FirstPAGE Server you are connecting to, you may be prompted for login information. Once you are successfully authenticated, the left hand tree view will change to display the newly selected server.

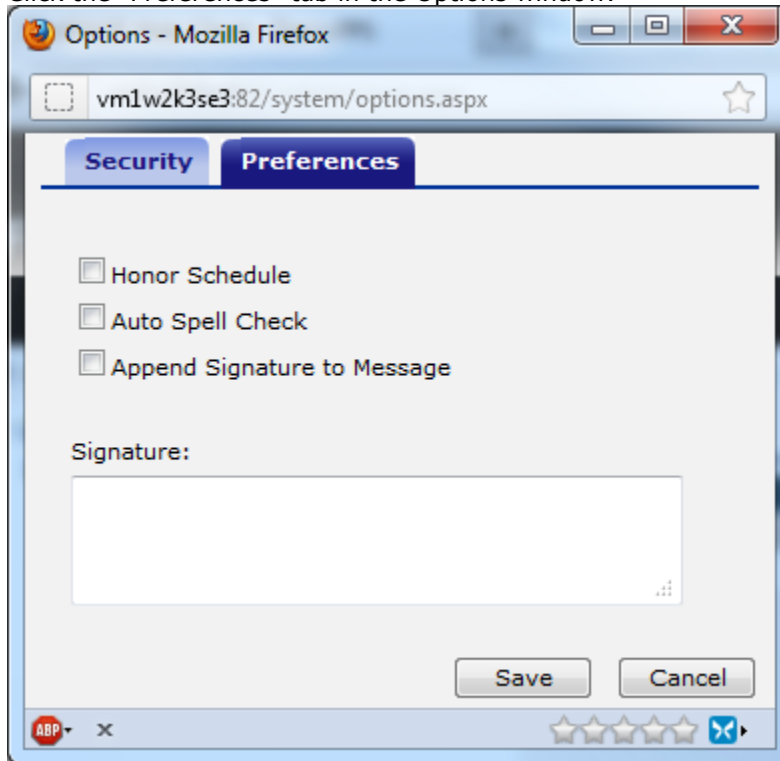


Setting Up a Personal Signature

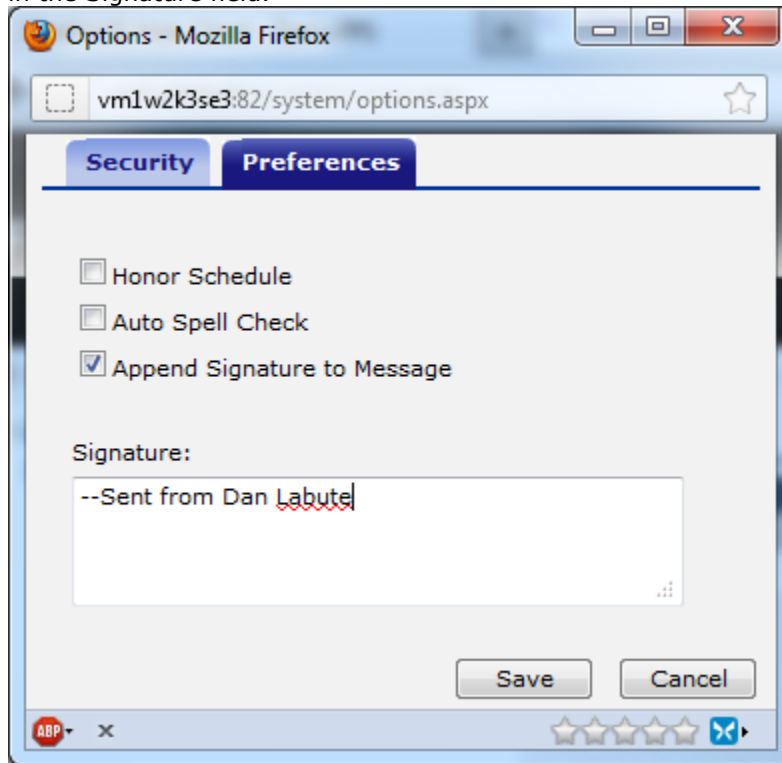
1. Click on the "Options" button in the toolbar.



2. Click the "Preferences" tab in the Options window.



3. Enable the "Append Signature to Message" option, and type your desired signature in the Signature field.



4. Click the "Save" button when finished. This signature can now be used when sending paged via FirstPAGE Web Client.

Glossary

Administrator

Typically a GUI application, this component facilitates configuration and monitoring of a server engine. If changes are made to the server configuration the administrator notifies the engine to reload its running configuration either automatically or on user demand. An example of an administrator component is *FirstPAGE Administrator*. This administrator allows you to maintain the *FirstPAGE Server's* engine configuration.

Administrator Kit

An administrator kit contains the product's administration component only. After installing this kit on a workstation you may utilize any of the features of the Administrator component.

Client

A client component utilizes the facilities of a standard NETCON server. Typically a GUI application, this component provides a user-friendly interface of the available services offered by the server engine. An example of a client tool would be *FirstPAGE Client*, which presents the user with a list of known messaging destinations and allows them to send messages to one or more destinations.

Coverage

The coverage property of a provider is a name assigned to reflect the geographical area that this connection to the service provider allows you to send message too. Usually for example in the case of dial-up modem connection to service providers a different phone number is provider for each city. The coverage field provides the administrator an easy method of tracking all of the different coverage areas a single provider is supporting.

Destination

A *FirstPAGE Server* destination is a name assigned to a messaging location to which text messages may be delivered. Ex. SCOTTS_PAGER, KENS_PHONE, JIMS_EMAIL.

Distribution List

A *FirstPAGE Server* distribution list is a collection of destinations that can be sent a message with a single transaction. Similar to an e-mail distribution list a client that initiates a transaction with a distribution list will automatically send the same message to all associated destinations.

DSN

A DSN, Data Source Name, is the name assigned to an ODBC driver and configuration information that allows an ODBC enabled application to connect to a data source.

Network ID

A destination network id is the identifier the messaging network requires to remit a message to an end destination. Similar to a phone number a network id can be any number of numbers, alphabetic characters, or a combination of the two. For TAP connected providers the network id is usually a numeric value. For SMTP connected providers the network id is the devices assigned e-mail address.

Provider

A *FirstPAGE Server* provider is a name assigned to the configuration information required to connect to a messaging service provider.

Schedule

A *FirstPAGE Server* schedule is a name assigned to a set of weekday configuration rules, which define the times during which a destination may receive messages. A schedule, once defined may then be assigned to a destination over a time period.

Server Kit

A server kit typically contains the server engine and administrator components. In some cases a client component is also included with this kit. The server kit is usually installed on a centralized host, and one or more clients or gateways utilize this server. An example of a server kit is *FirstPAGE Server*. This kit contains the *FirstPAGE* engine, administrator and client.