



PanelDaemon v1.5 Users Guide

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Table of Contents

| | |
|---|-----------|
| Introduction | 3 |
| Installation | 4 |
| Set Administrator Password | 4 |
| IIS 5.1 on Windows XP | 7 |
| Step 1: Open The Control Panel | 8 |
| Step 2: Check .NET 2.0 Has Been Installed | 9 |
| Step 3: Add IIS Windows Component | 10 |
| Step 4: Test IIS | 14 |
| IIS 6.0 on Windows 2003 | 15 |
| Step 1: Open The Control Panel | 16 |
| Step 2: Add or Remove Programs | 17 |
| Step 3: Add Application Server Component | 18 |
| Step 4: Test IIS | 22 |
| IIS 7.0 on Windows Vista or Server 2008 | 23 |
| Step 1: Open the Control Panel | 24 |
| Step 2: Programs and Features | 25 |
| Step 3: Add Internet Information Services Component | 26 |
| Step 4: Test IIS | 28 |
| PanelDaemon Setup | 29 |
| Users Guide | 37 |
| Logging On | 37 |
| Your Services | 38 |
| View/Edit Service | 40 |
| Service User Accounts | 41 |
| Managing Users | 41 |
| User List | 42 |
| Adding/Editing Users | 43 |
| Under The Hood | 45 |
| Troubleshooting | 48 |
| No PanelDaemon Login Screen | 48 |
| Accessing the IIS 5.1 Snap In | 50 |
| Access Denied Issues | 51 |
| Installer Quits on Vista and 2008 | 52 |

Introduction



PanelDaemon

Welcome to the PanelDaemon / IIS installation guide. This guide is designed to assist you in installing PanelDaemon, IIS and troubleshooting issues that might arise during or after installation. PanelDaemon is a **free** web based Microsoft Windows Service Applications manager. PanelDaemon is written in ASP.NET and C#. It is designed to run under IIS. It can be used in conjunction with [FireDaemon](#). It is released under the terms of the GPL.

PanelDaemon allows you to:

- View/Start/Stop any Windows service (including FireDaemon ones) via web browser
- Create/manage users with filtered "views" of available services (good for multihomed / multicustomer machines)

PanelDaemon's minimum system requirements are:

- Internet Information Services 5.1 on Windows XP Pro
- Internet Information Services 6.0 on Windows Server 2003
- Internet Information Services 7.0 on Windows Vista and Windows Server 2008
- .NET Framework 2.0
- 2MB of free disk space
- 64MB of RAM

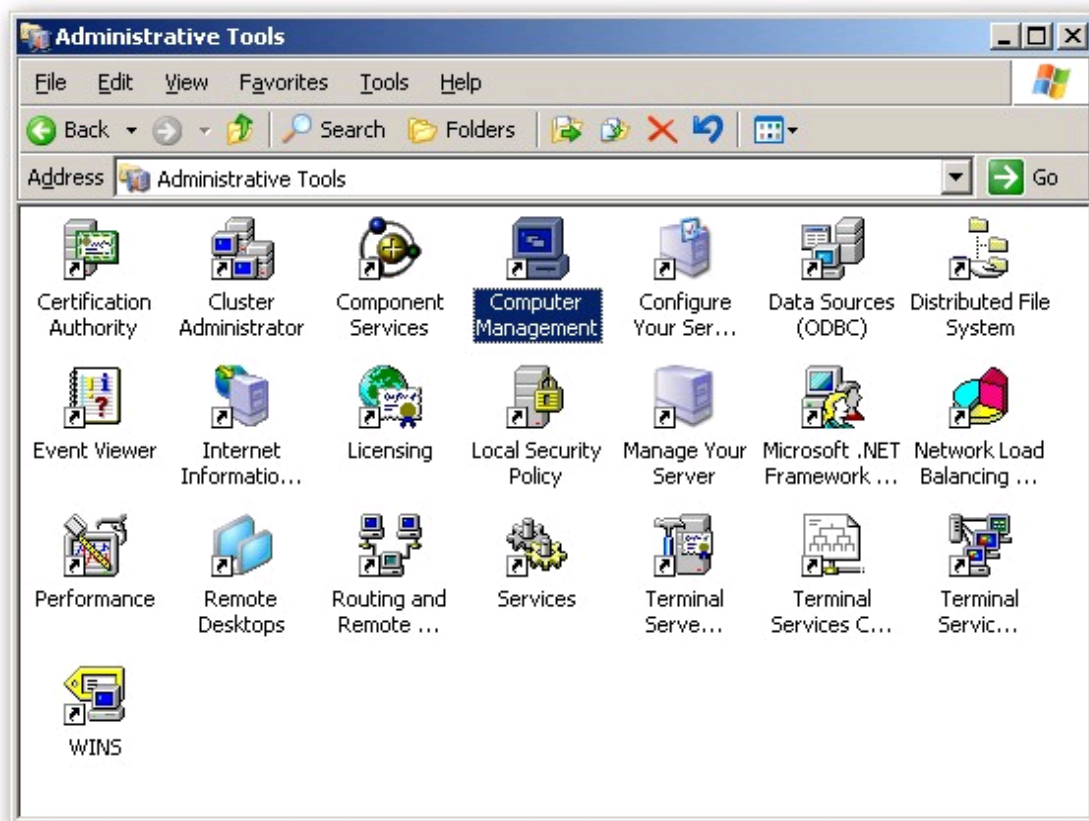
This document revision March 2009 for [PanelDaemon v1.5](#)
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Installation

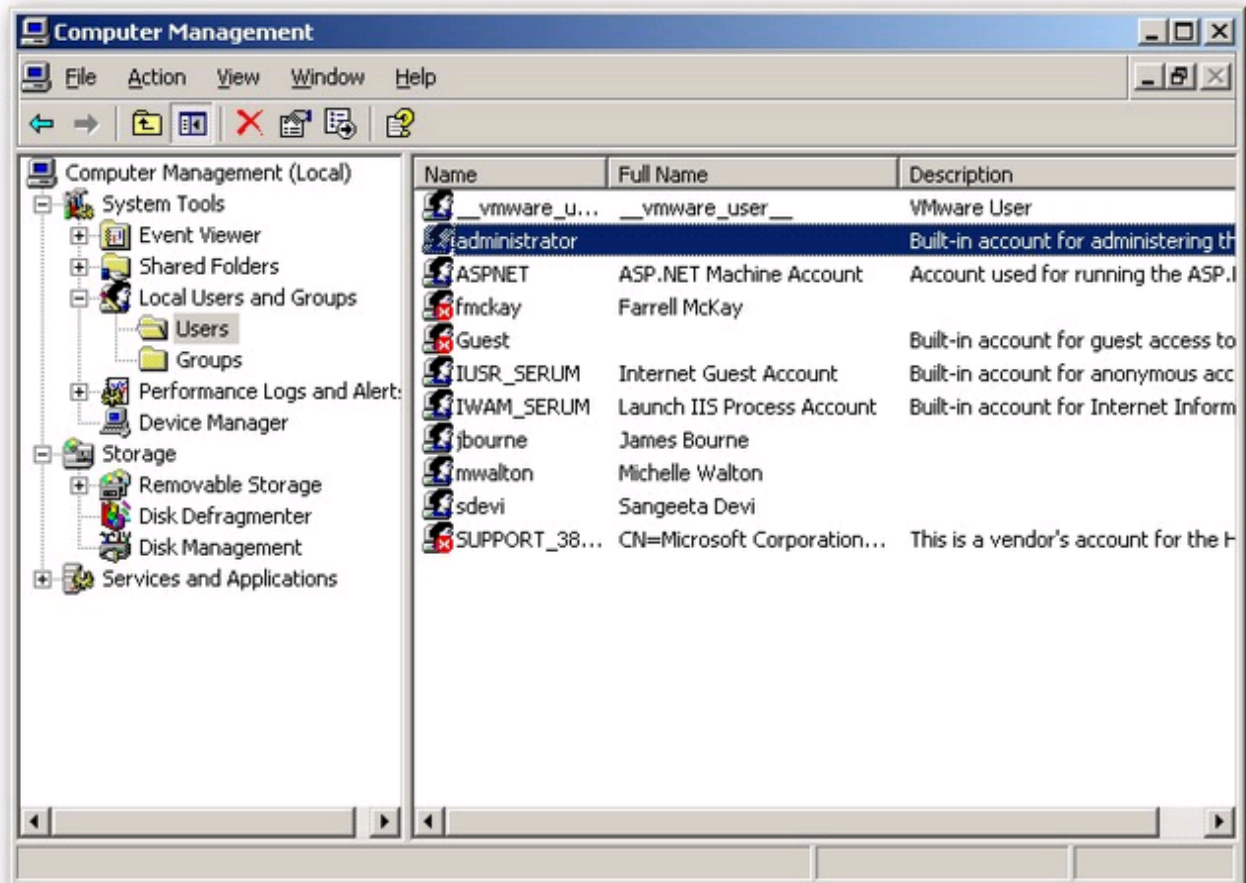
Set Administrator Password

Before you install the .NET Framework and IIS, you will need to set a password for the Administrator account. Not only does PanelDaemon require this but it is good administrative practice as this password is often not set on Windows machines. On Windows Vista, the Administrator account is often disabled. You will need to enable the account.

To set the Administrator password on Windows XP and Server 2003 go to the Control Panel and look for the Administrative Tools icon. Double click on this icon. Then look for Computer Management icon and double click on it.



The Computer Management applet will open. Expand the tree-view under System Tools on the left hand side and open the Users folder underneath Local Users and Groups. On the right hand side you will see a list of users. Locate the Administrator account and then right click once. You will see the option to "Set Password ..."



You will see the following message. Click Proceed.



Now type in a new password. Remember or write this password down as you will need it during the installation of PanelDaemon. Then click OK.



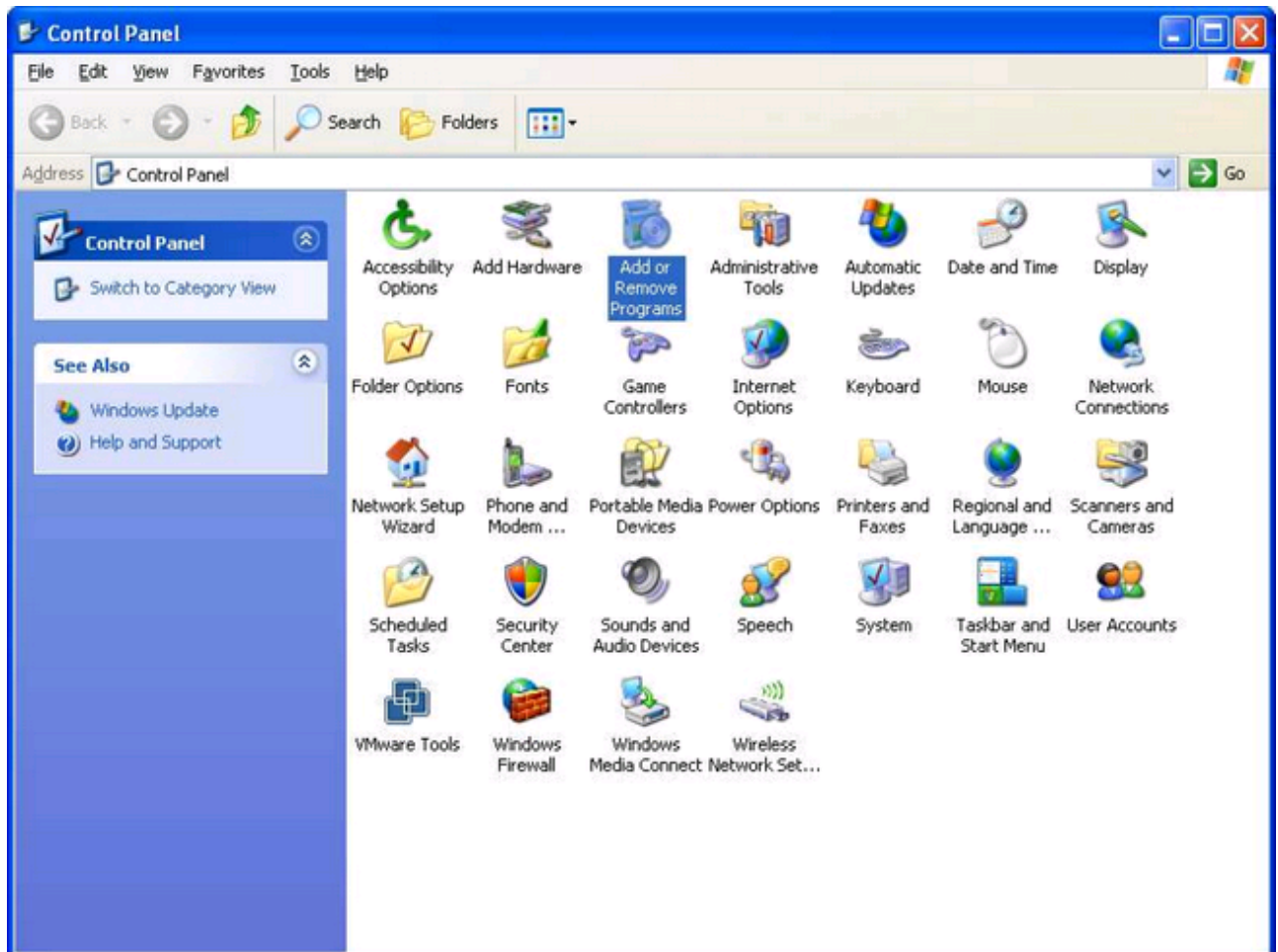
IIS 5.1 on Windows XP

Internet Information Services (IIS) 5.1 is the web server supplied with Windows XP Pro. It is a cut down version of IIS6 and supersedes PWS (Personal Web Server) found in Windows 98/2000. The instructions below relate to installing IIS 5.1 on Windows XP Pro **ONLY**.

Note that IIS 5.1 is **NOT** included with Windows XP Home! For more information please see this [Knowledge Base Article](#). Apparently you can get IIS 5.1 running on Windows XP Home - trying Googling for "running IIS on XP home edition". Alternately, you might want to consult [this article](#).

Step 1: Open The Control Panel

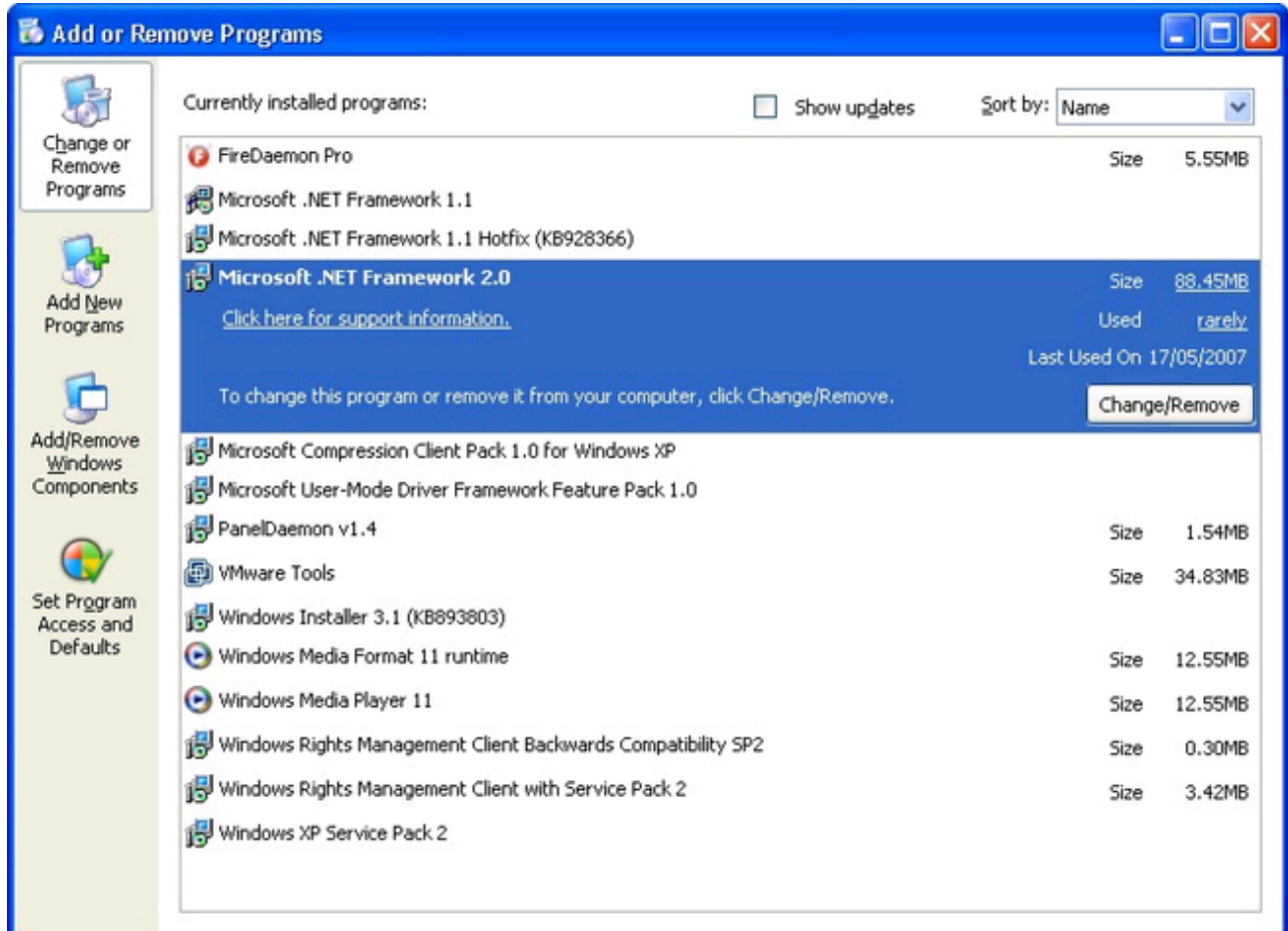
Boot your workstation and then log into it as the Administrator (or equivalent). Then go to the Start Menu and click on the Control Panel icon. Find the Add or Remove Programs icon and double click on it.



Step 2: Check .NET 2.0 Has Been Installed

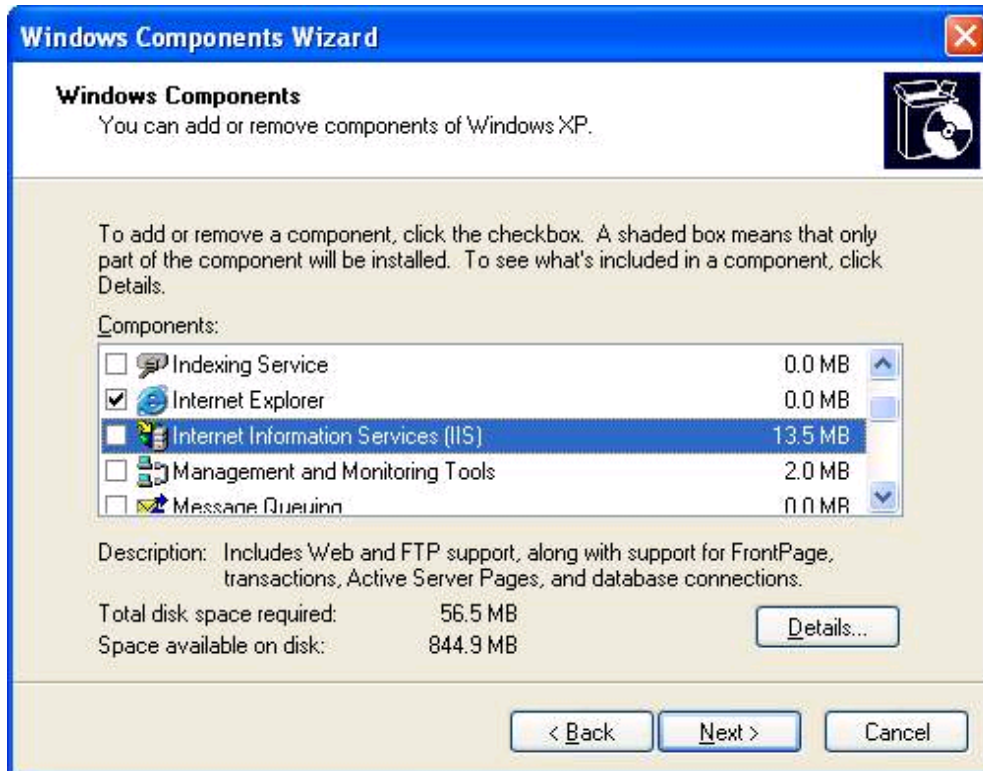
The Add or Remove Programs dialog will be displayed. Make sure the .NET Framework has been installed. If you don't see it you can download and install it via [Windows Update](#). Alternately, download and install the .NET Framework Redistributable Package [directly from Microsoft](#). After you have installed the Framework, make sure you check for any [Critical Updates](#).

Now click on the Add/Remove Windows Components icon on the left hand side of the Add or Remove Programs dialog.

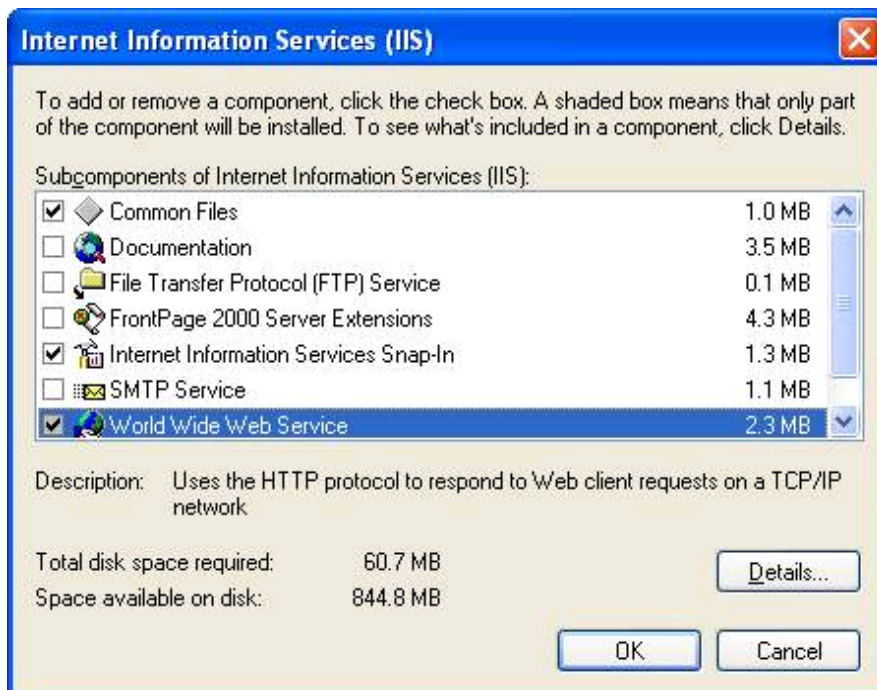


Step 3: Add IIS Windows Component

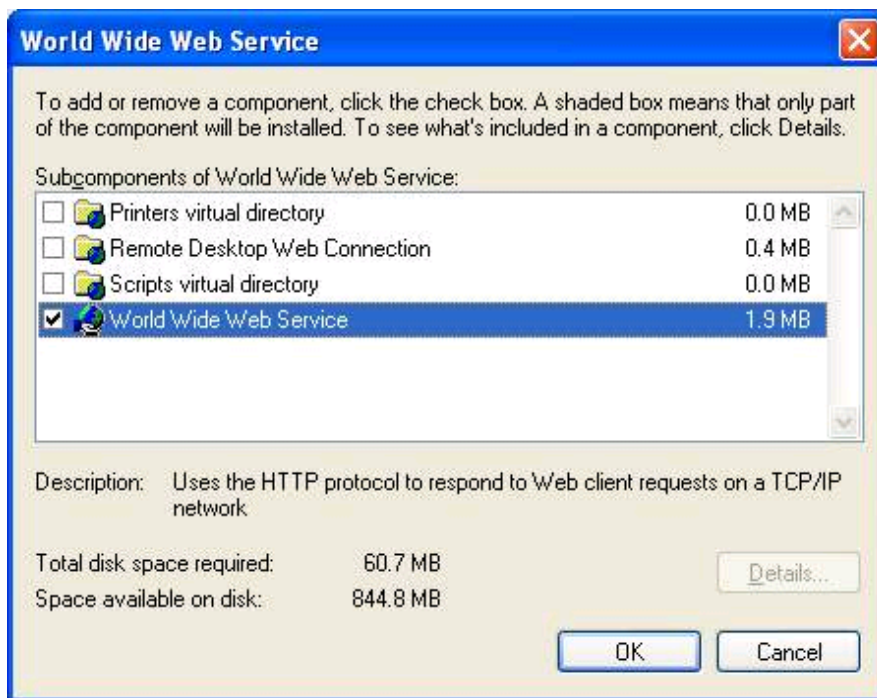
The Windows Components Wizard dialog will be displayed. Locate Internet Information Services (IIS) and click on it once.



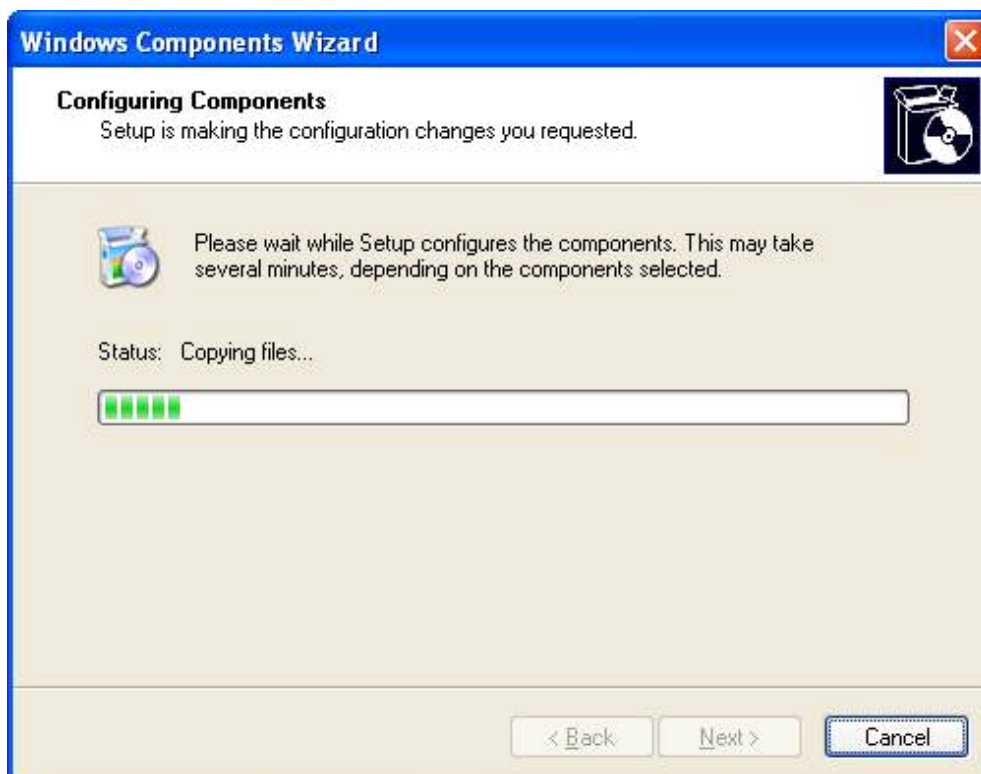
Then click on the Details button on the lower right hand side. The Internet Information Services (IIS) dialog will be displayed. Check **Common Files**, **Internet Information Services Snap-In** and **World Wide Web Service**.



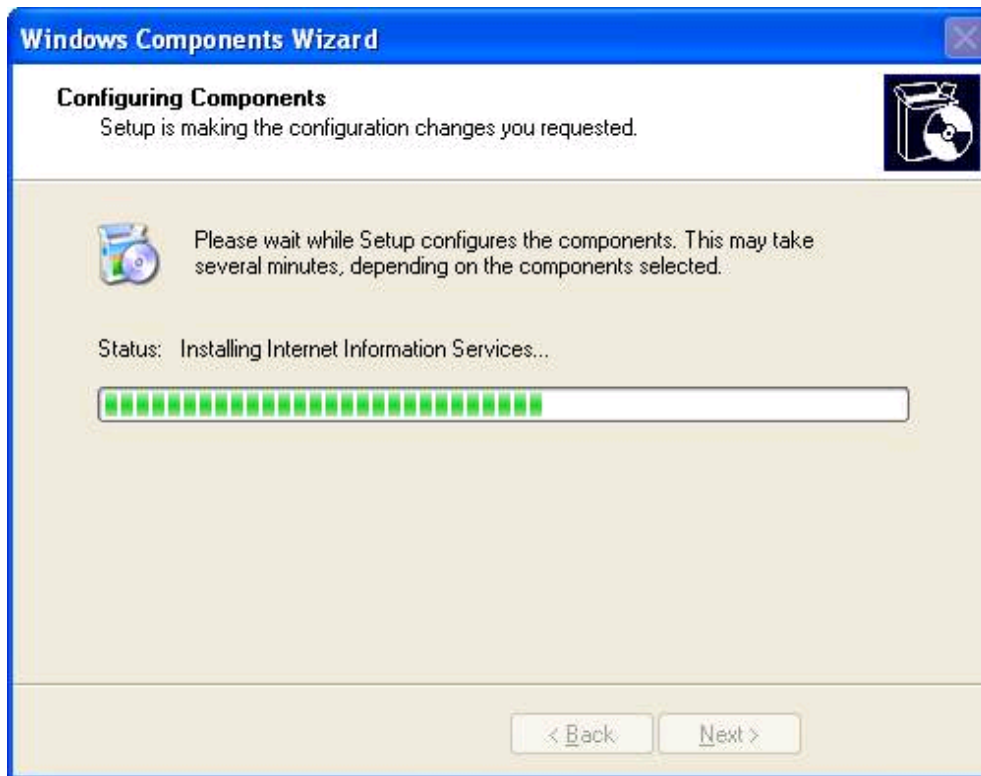
Then click on the **Details** button. The World Wide Web Service dialog will be displayed. Make sure that just **World Wide Web Service** is checked.



Then click **OK** twice until you return to the Windows Component Wizard dialog. Then click **Next**. The wizard will then install IIS. Various files will be copied:



IIS will be installed:

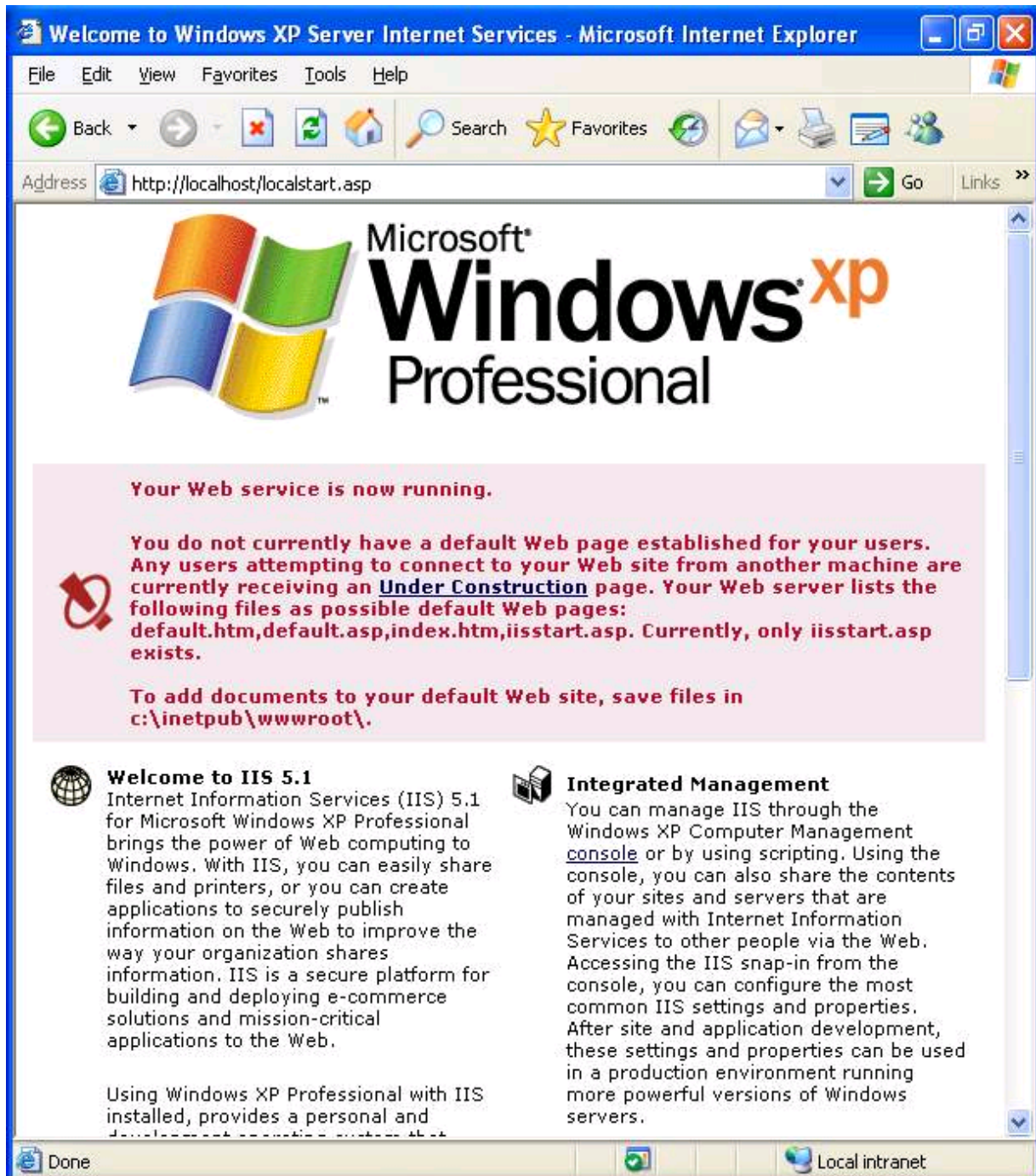


When the installation is complete you will see the following dialog. Click the **Finish** button.



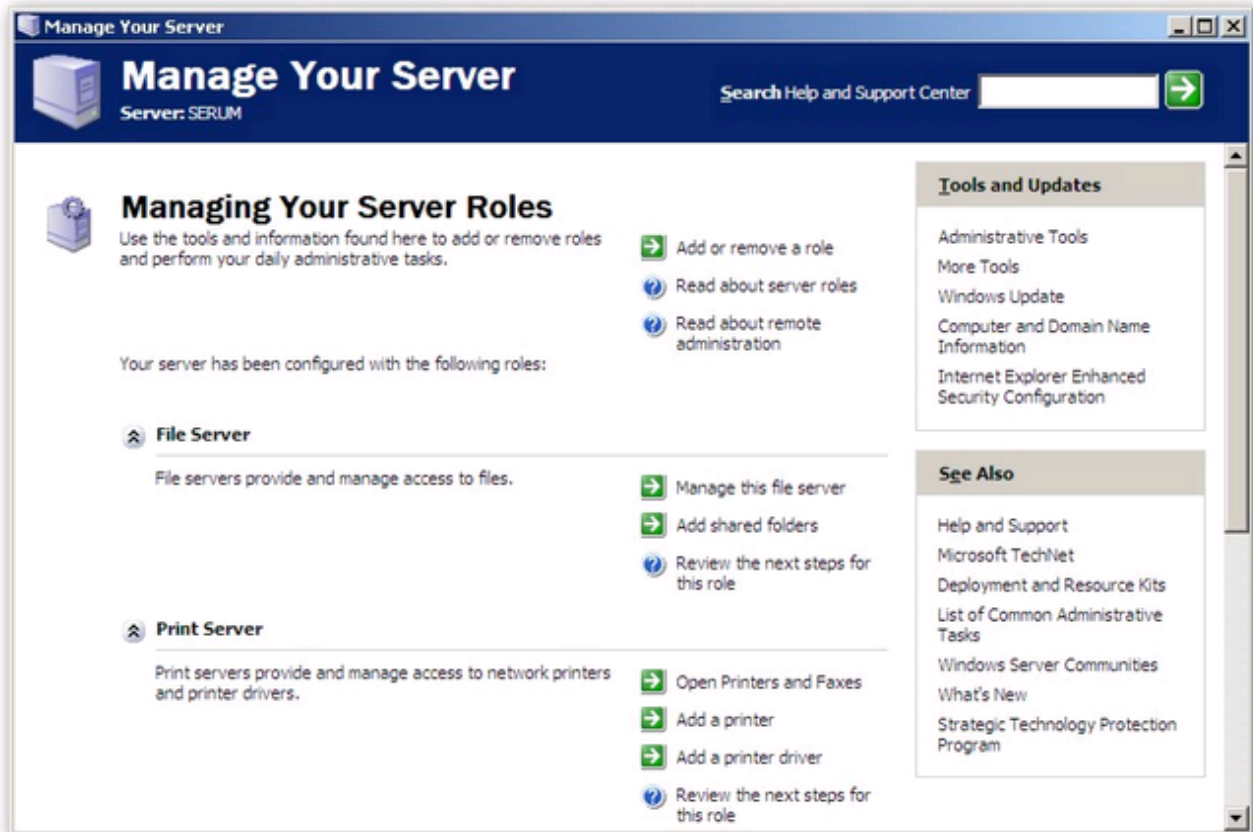
Step 4: Test IIS

To check that IIS has been installed correctly start Internet Explorer or favourite browser and type: `http://localhost` in the Address bar. You should see a web page similar to the following displayed:



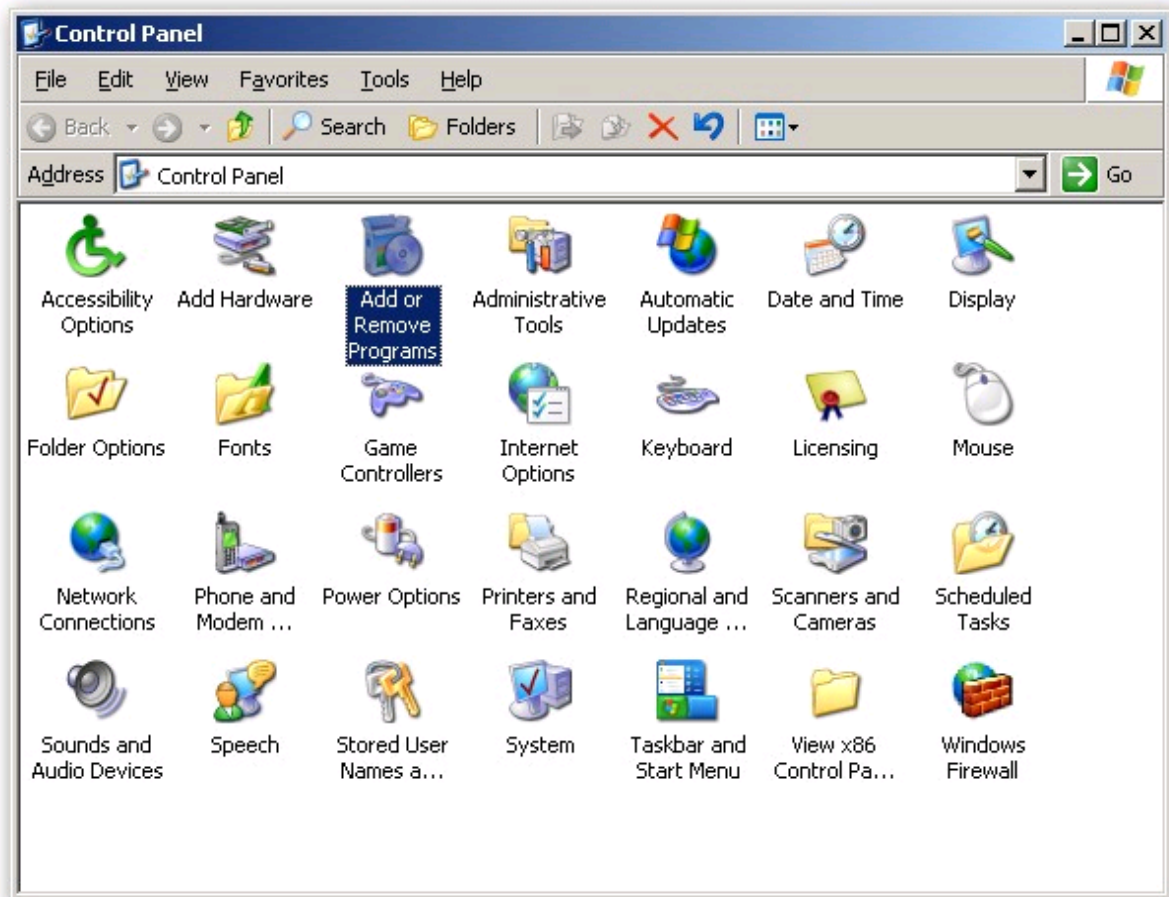
IIS 6.0 on Windows 2003

Internet Information Services (IIS) 6.0 is the web server supplied with Windows Server 2003. It is also referred to as the "Application Server". The .NET 1.1 runtime is installed when you install the base operating system.



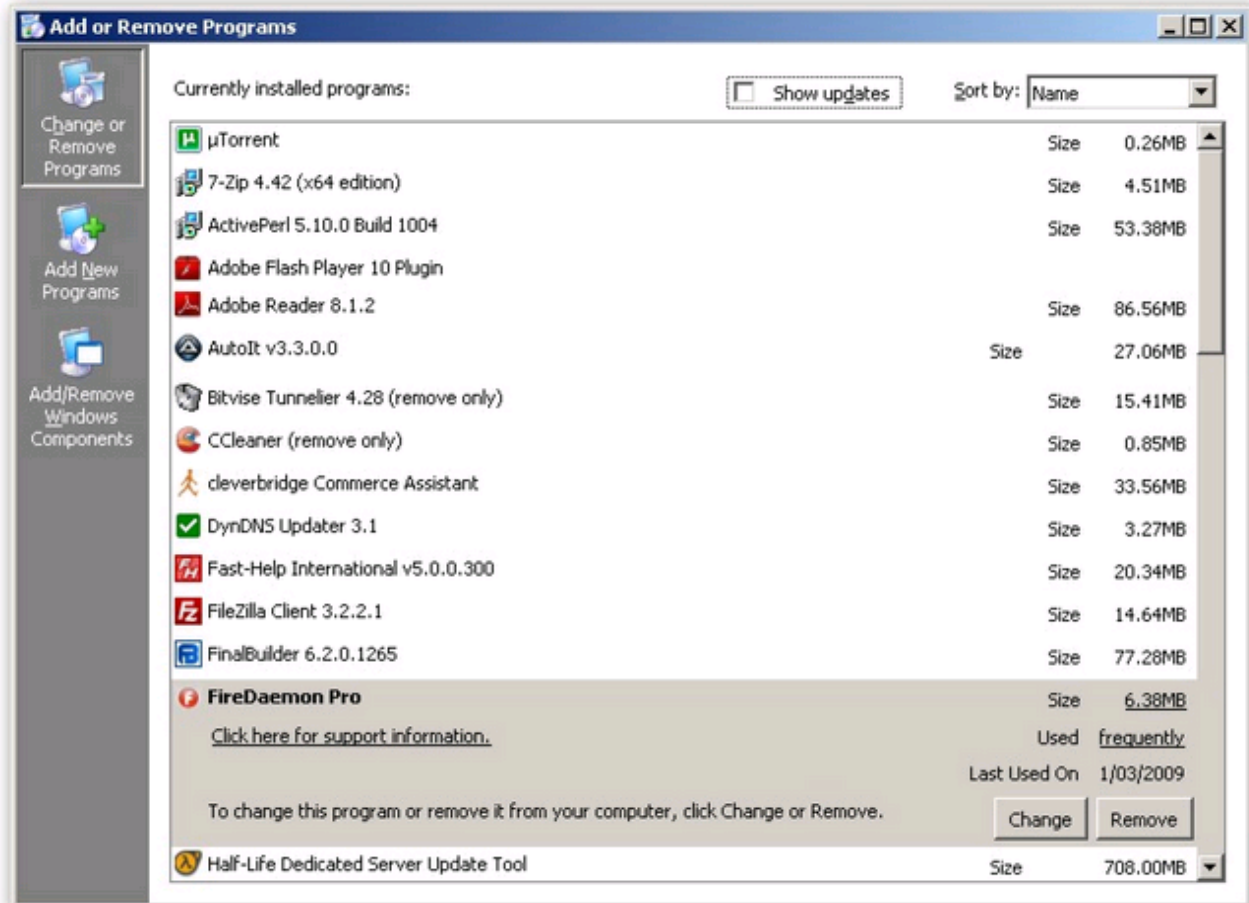
Step 1: Open The Control Panel

Boot your server and then log into it as the Administrator. Then go to the Start Menu and click on the Control Panel icon. Find the Add or Remove Programs icon and double click on it.



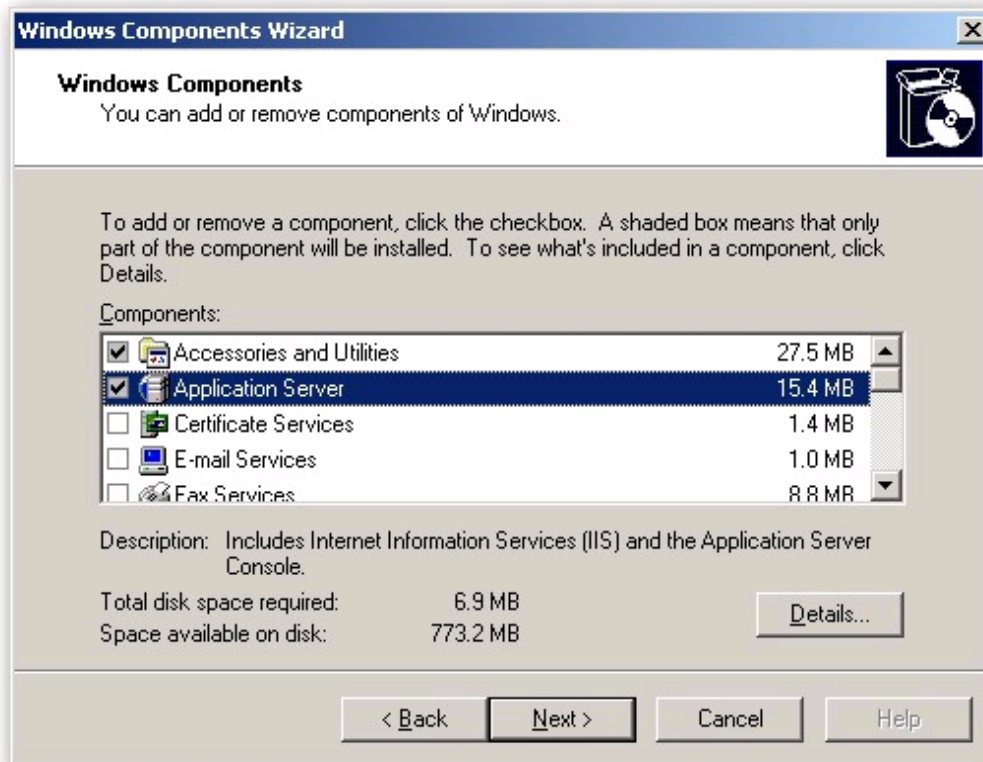
Step 2: Add or Remove Programs

The Add or Remove Programs dialog will be displayed. Look for the Add/Remove Windows Components icon on the left hand side and click on it.

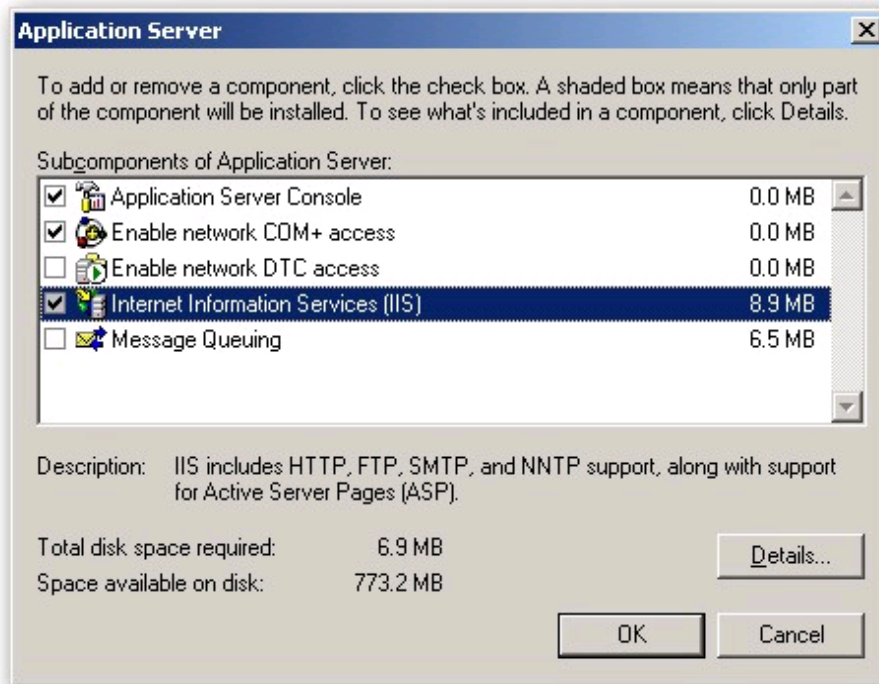


Step 3: Add Application Server Component

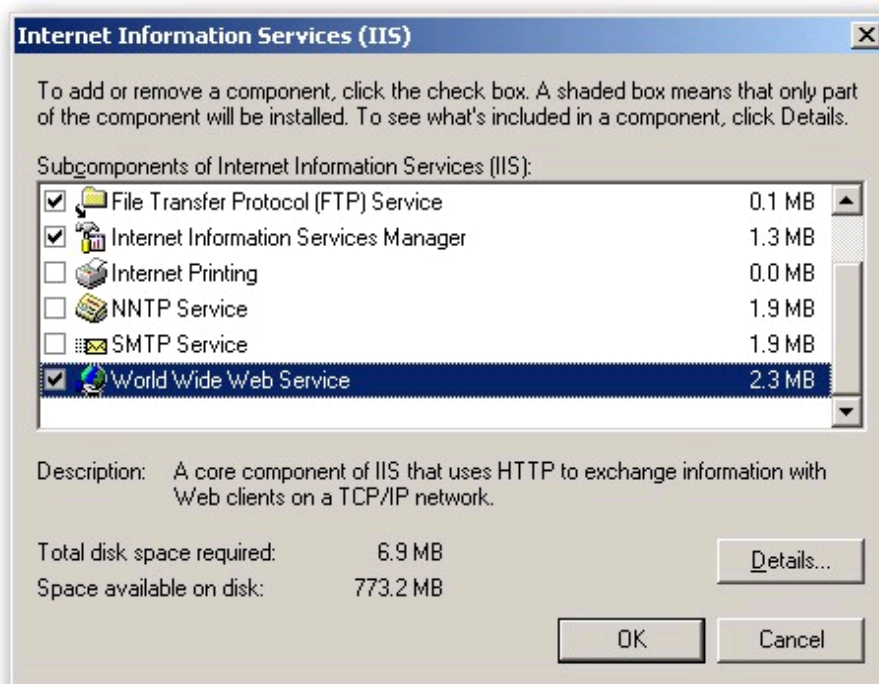
The Windows Components Wizard dialog will be displayed. Locate **Application Server** and click on it once. Then click on the **Details** button.



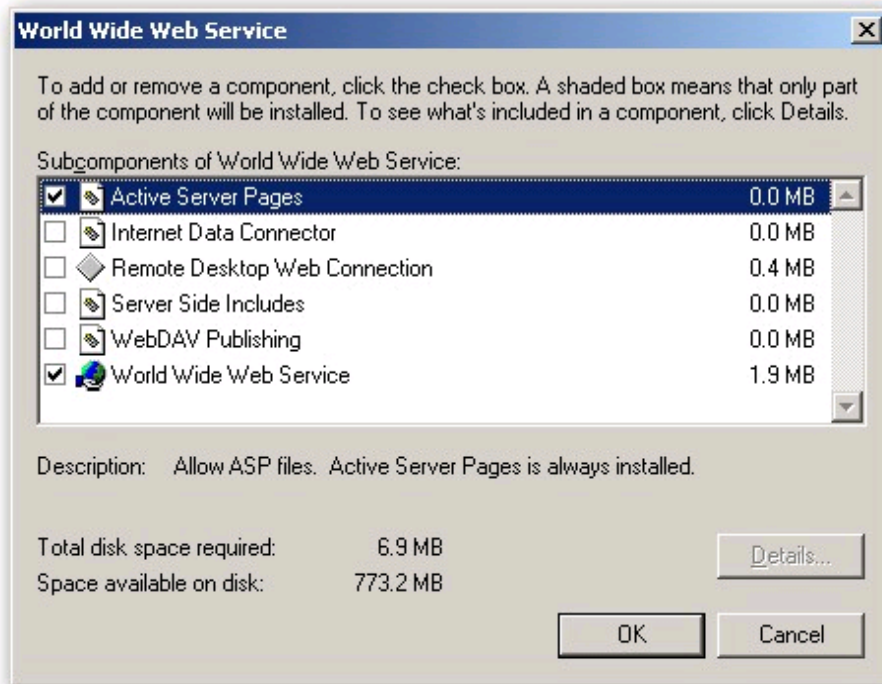
The Application Server dialog will be displayed. Make sure that **ASP.NET** and **Enable network COM+ access** are both checked. Then click on **Internet Information Services (IIS)** once and click on the **Details** button.



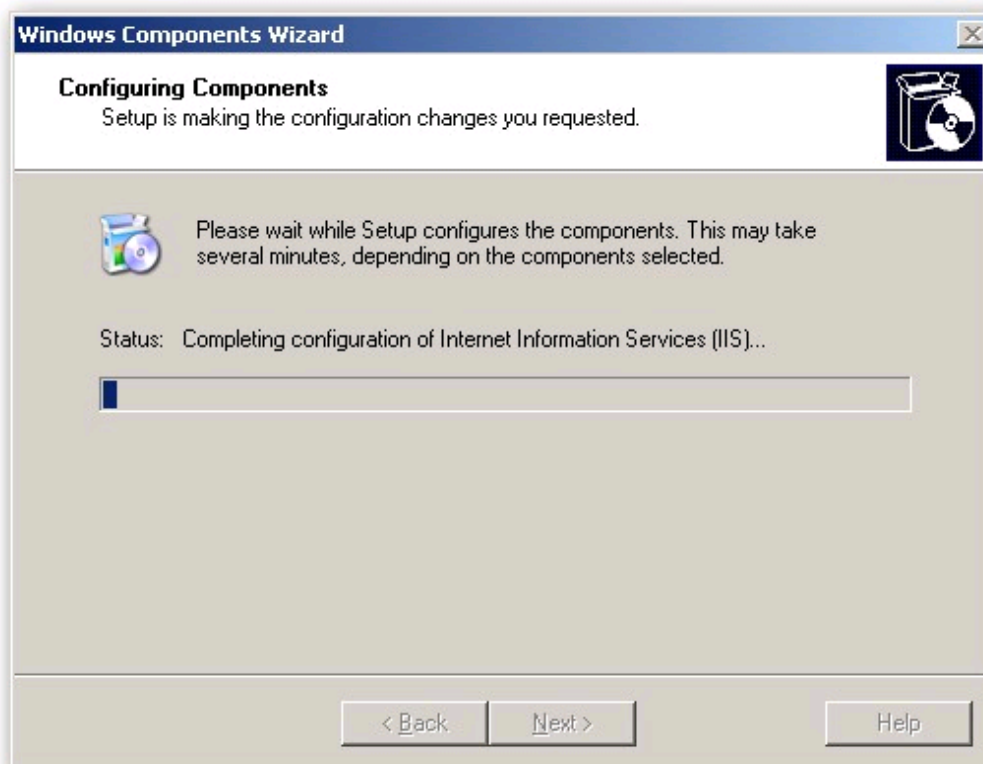
The Internet Information Services (IIS) dialog will be displayed. Ensure that you check **Common Files** and **Internet Information Services Manager**. Then click on **World Wide Web Service** once and then click the **Details** button.



The World Wide Web Service dialog will be displayed. Ensure that **Active Server Pages** and **World Wide Web Service** are both checked. Then click **OK** three times until you are back at the Windows Components Wizard.



Once back at the Windows Components Wizard click the **Next** button and the Application Server will be installed.

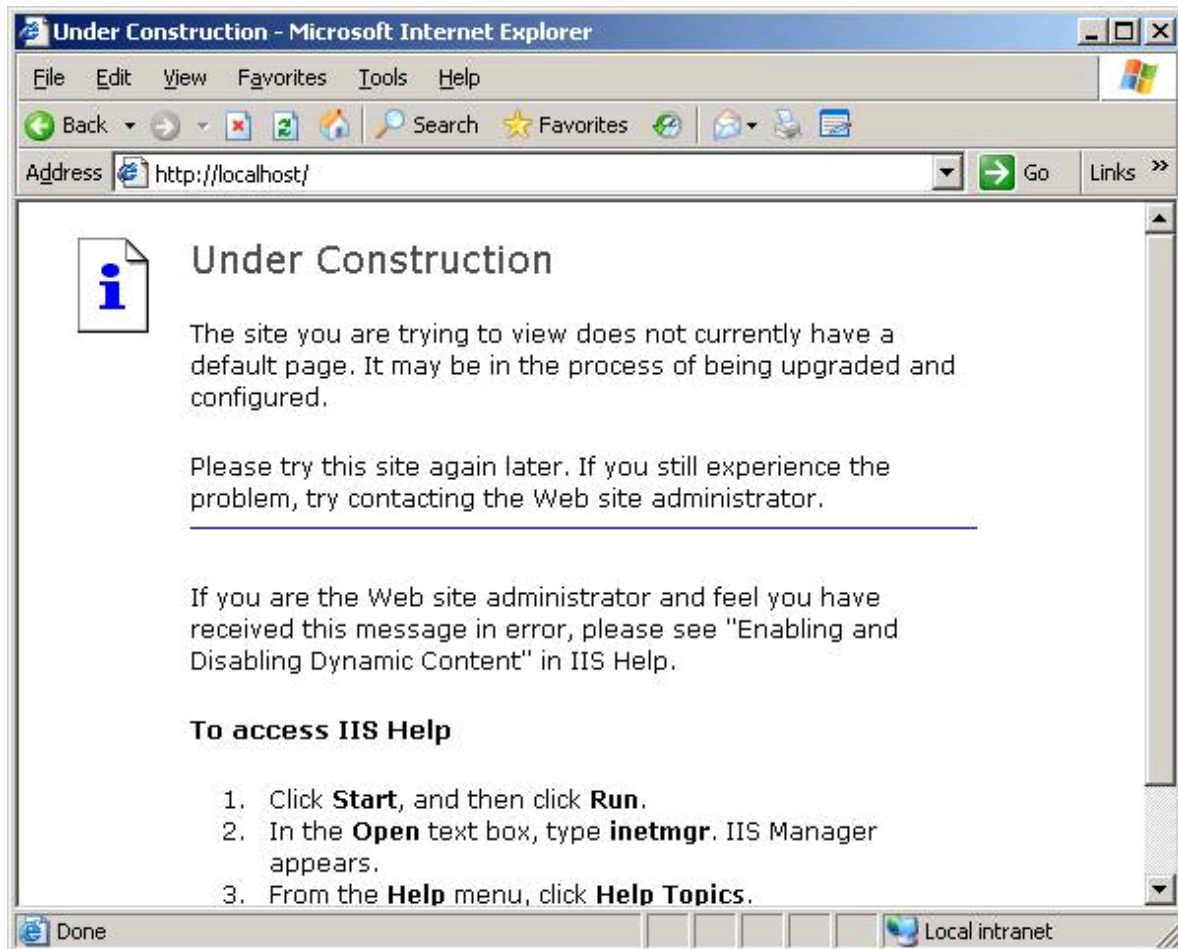


Note that you may be requested to insert the Windows Server 2003 CD during installation. When the installation has completed click the **Finish** button:



Step 4: Test IIS

To check that IIS has been installed correctly start Internet Explorer or favourite browser and type: `http://localhost` in the Address bar. You should see a web page similar to the following displayed:

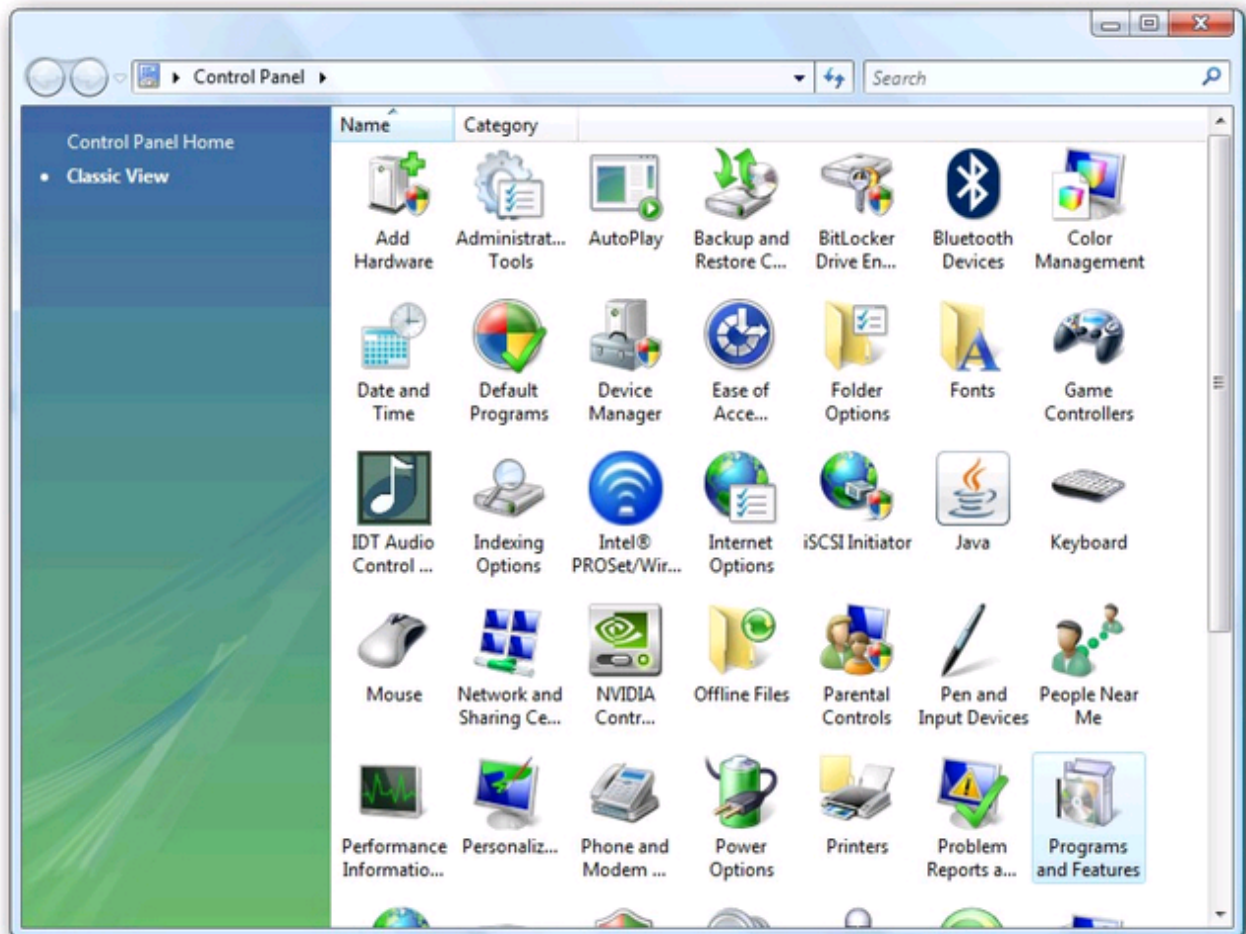


IIS 7.0 on Windows Vista or Server 2008

Internet Information Services (IIS) 7.0 is the web server supplied with Windows Vista and Windows Server 2008. For PanelDaemon to function correctly on Vista or 2008, the **IIS 6.0 compatibility options** must be installed.

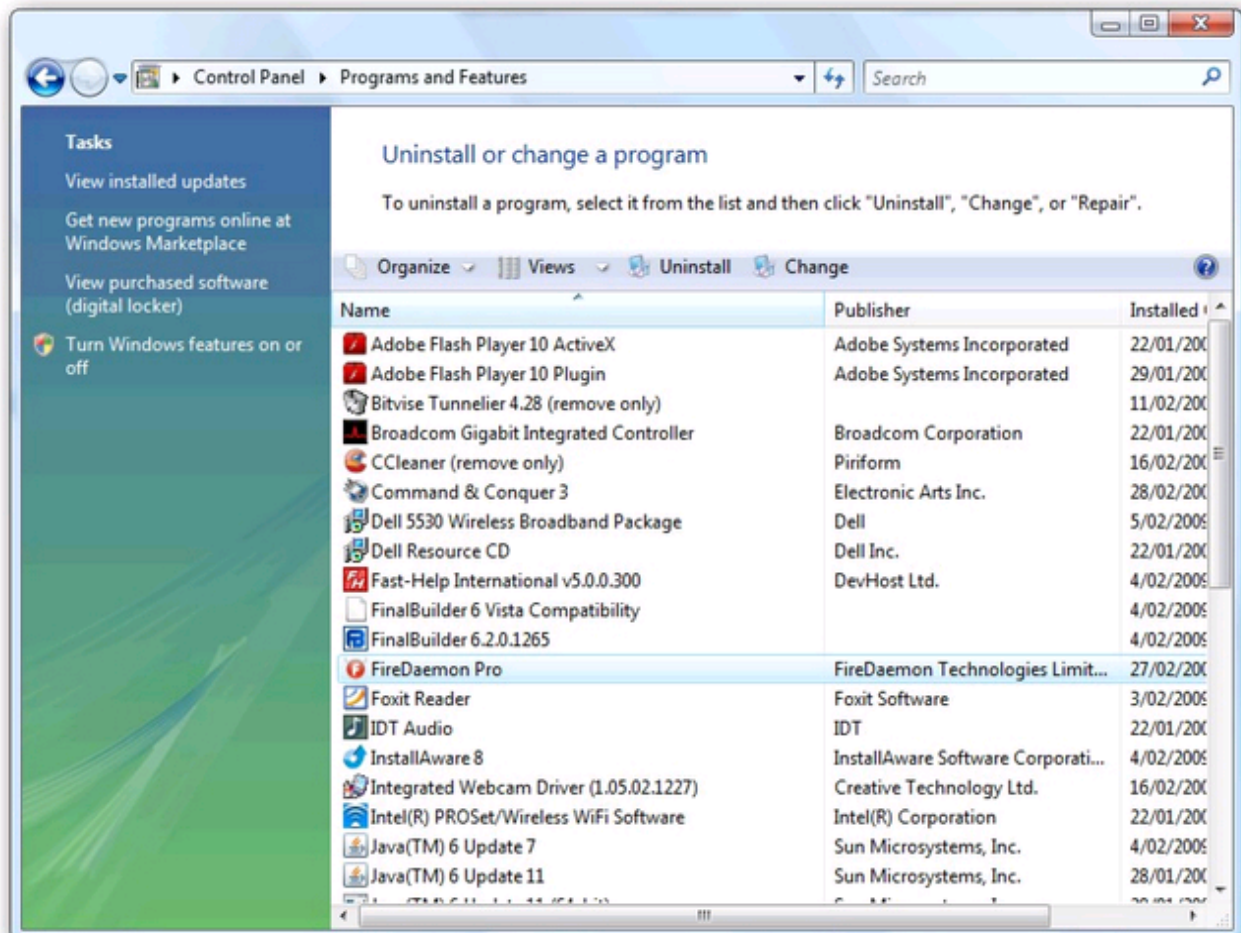
Step 1: Open the Control Panel

Boot your server and then log into it as an administrator. On Windows Vista the Administrator account is usually disabled. You will need to enable this user in order to successfully install PanelDaemon. Then go to the Start Menu and click on the Control Panel icon. Find the **Programs and Features** icon and double click on it.



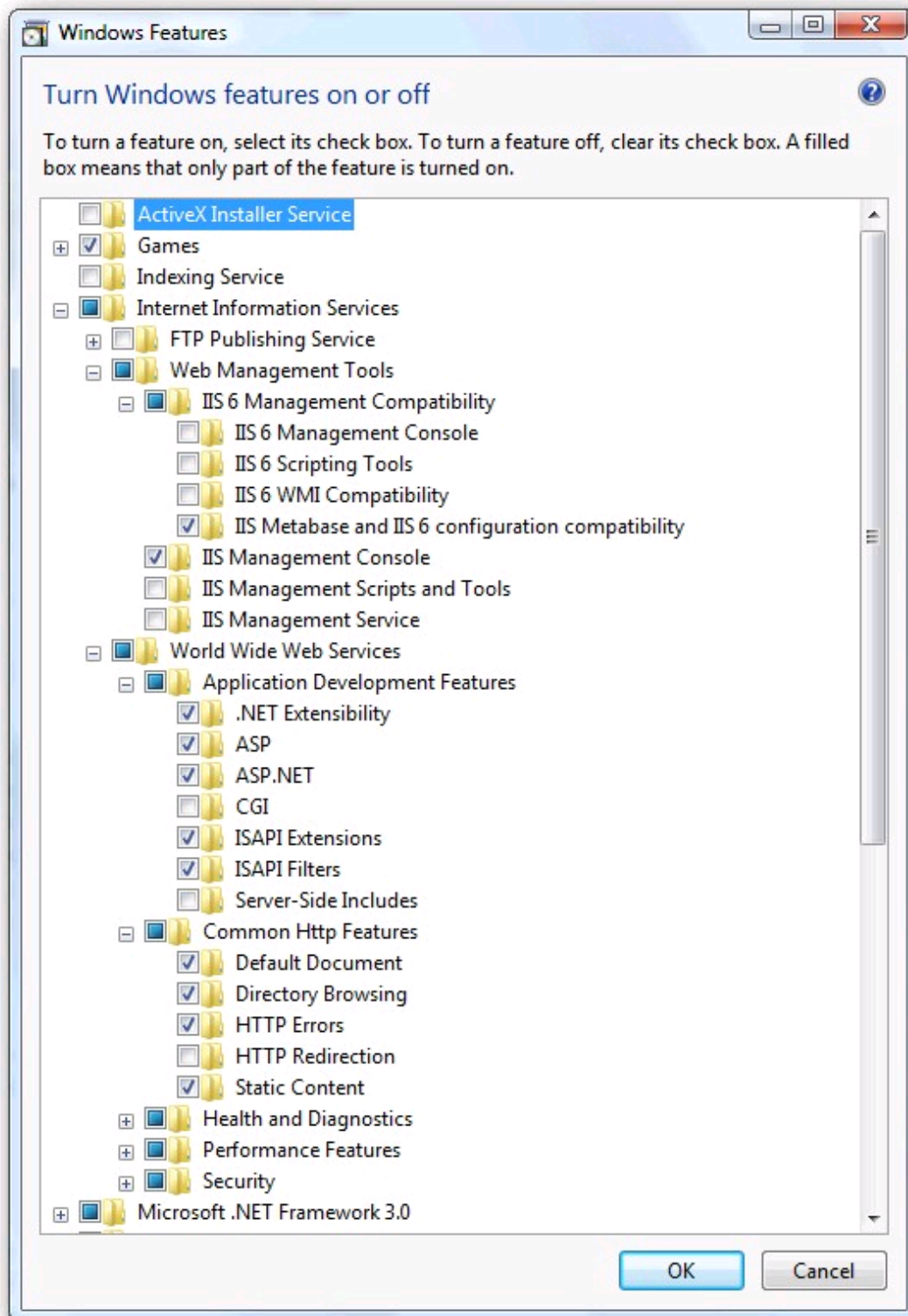
Step 2: Programs and Features

The Programs and Features dialog will be displayed. Look for the **Turn Windows features on or off** link on the left hand side and click on it.



Step 3: Add Internet Information Services Component

The **Windows Features** dialog will be displayed.



Ensure you minimally add the following features from the Internet Information Services feature:

Under Web Management Tools choose:

1. IIS 6 Management Compatibility / IIS Metabase and IIS 6 configuration compatibility
2. IIS Management Console

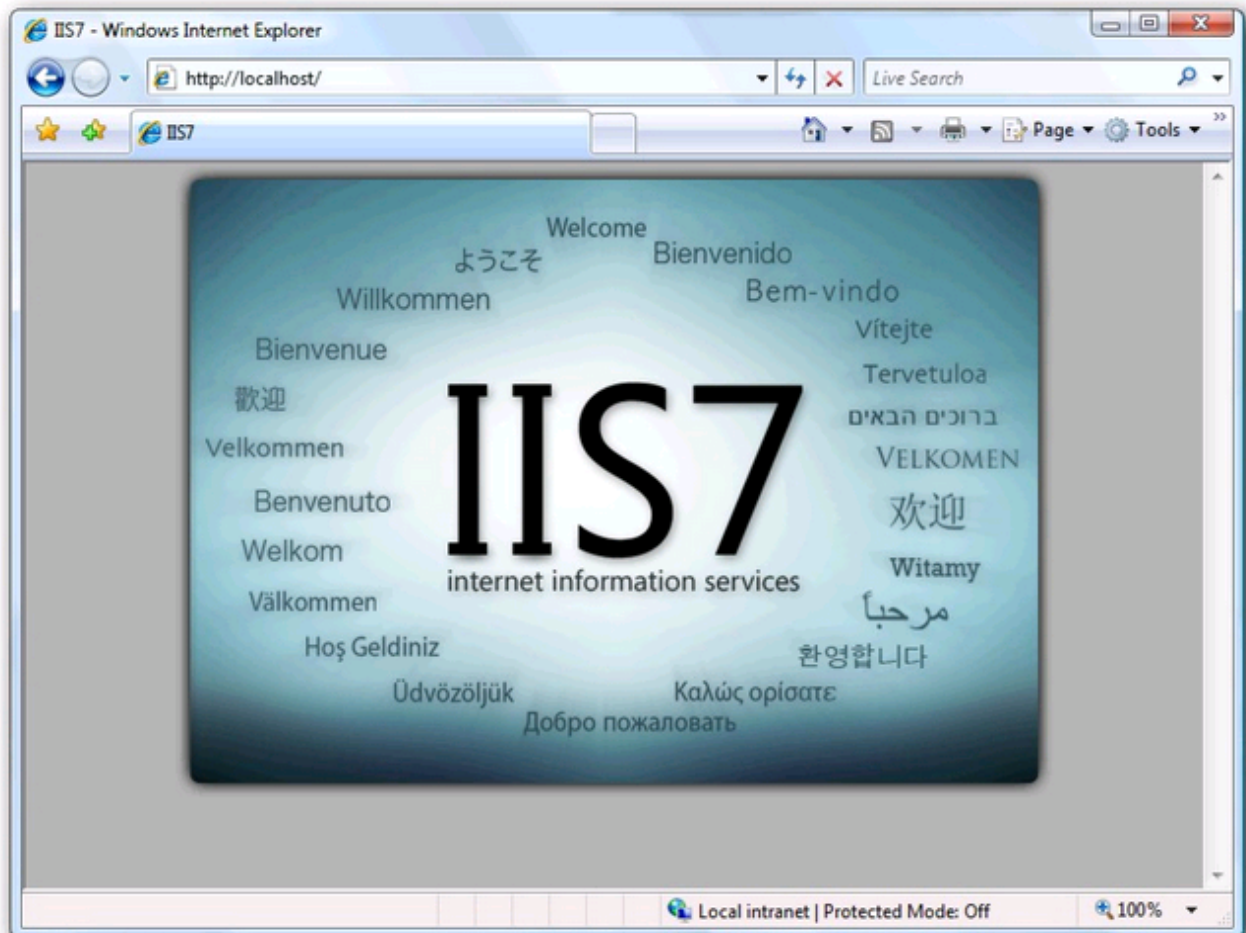
Under World Wide Web Services / Application Development Features choose:

1. .NET Extensibility
2. ASP
3. ASP.NET
4. ISAPI Extensions
5. ISAPI Filters

Then click OK. The various components will be installed.

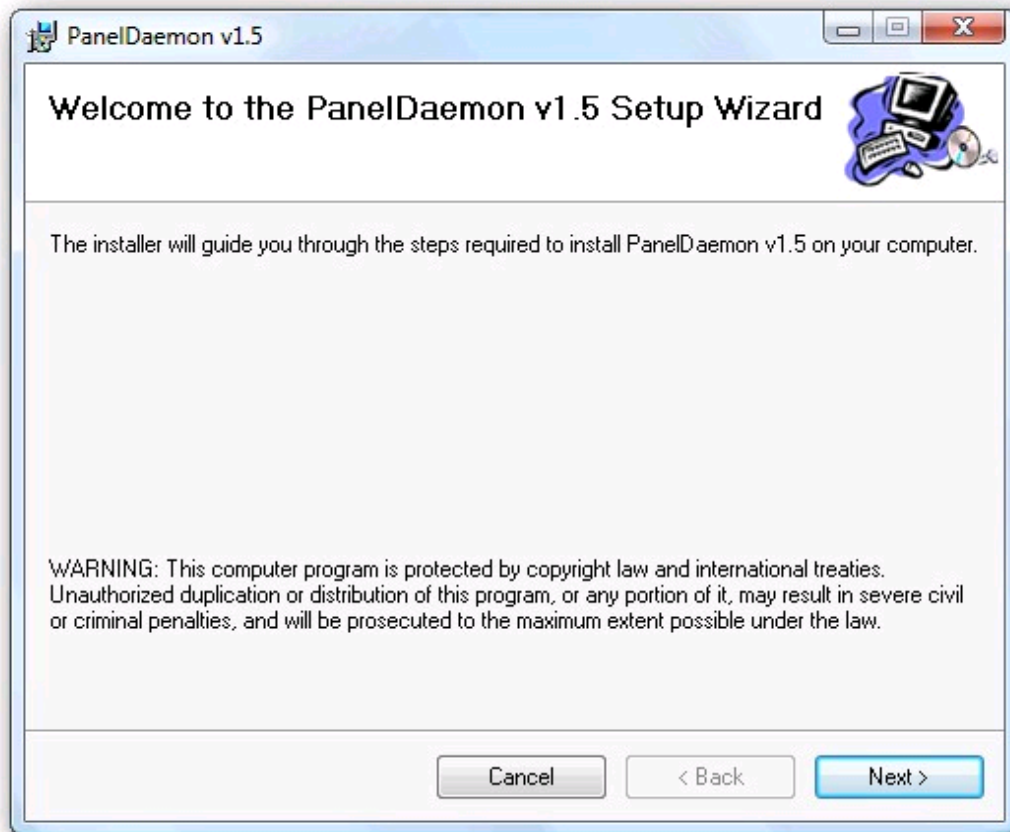
Step 4: Test IIS

To check that IIS has been installed correctly start Internet Explorer or favourite browser and type: `http://localhost` in the Address bar. You should see a web page similar to the following displayed:

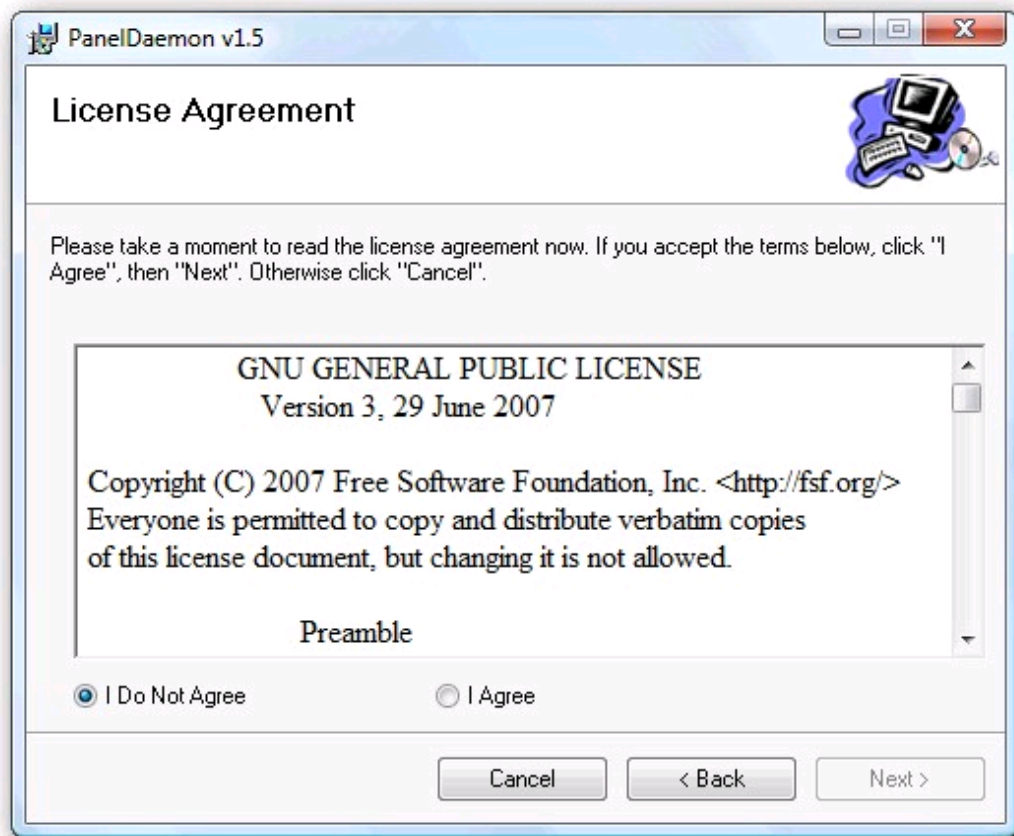


PanelDaemon Setup

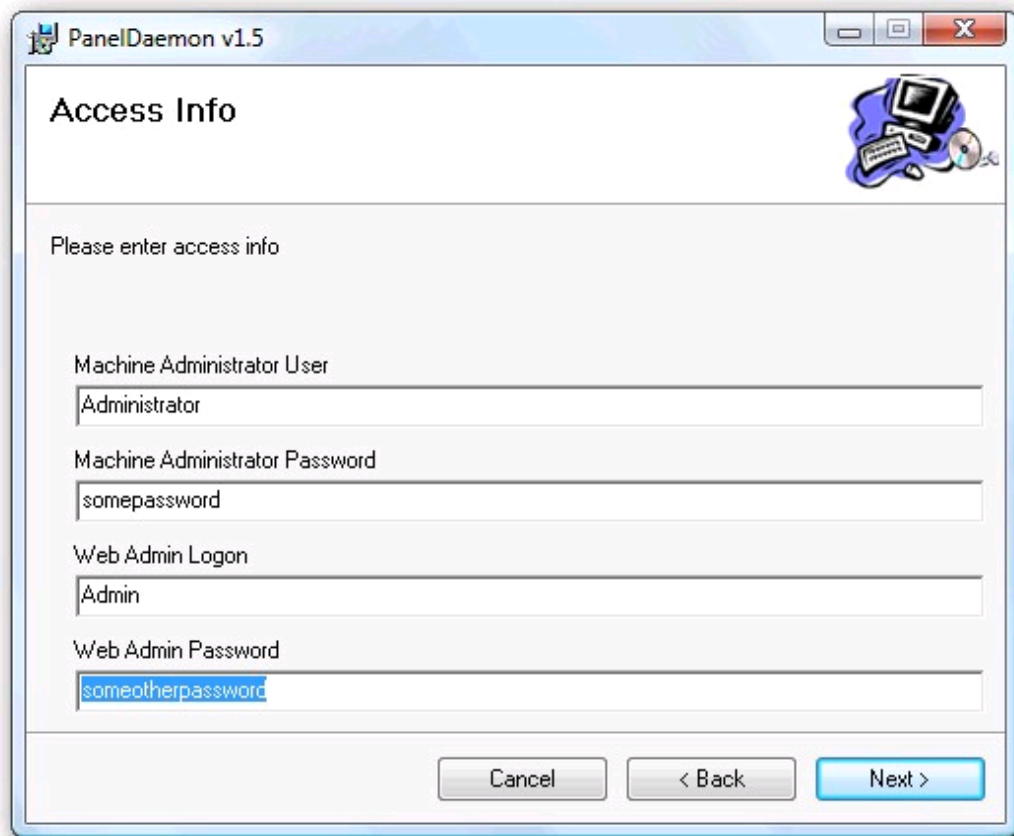
After you have set the Administrator password, optionally installed the .NET 2.0 Framework and IIS, you will need to install PanelDaemon. Locate the MSI which you [downloaded](#) from SourceForge and double click on it. You will see the dialog below. Click on the Next button.



Accept the license agreement (GPL) and click Next.



You will now need to type in the Administrator's password that you [set earlier](#). PanelDaemon also requires an "admin" user to function. Type in their username and corresponding password. Then click Next.



The image shows a Windows-style dialog box titled "PanelDaemon v1.5". The main heading is "Access Info". Below the heading is a sub-header "Please enter access info". There are four text input fields: "Machine Administrator User" with the value "Administrator", "Machine Administrator Password" with the value "somepassword", "Web Admin Logon" with the value "Admin", and "Web Admin Password" with the value "someotherpassword". At the bottom right, there are three buttons: "Cancel", "< Back", and "Next >". A small icon of a computer with a CD and a mouse is in the top right corner of the dialog box.

PanelDaemon v1.5

Access Info

Please enter access info

Machine Administrator User
Administrator

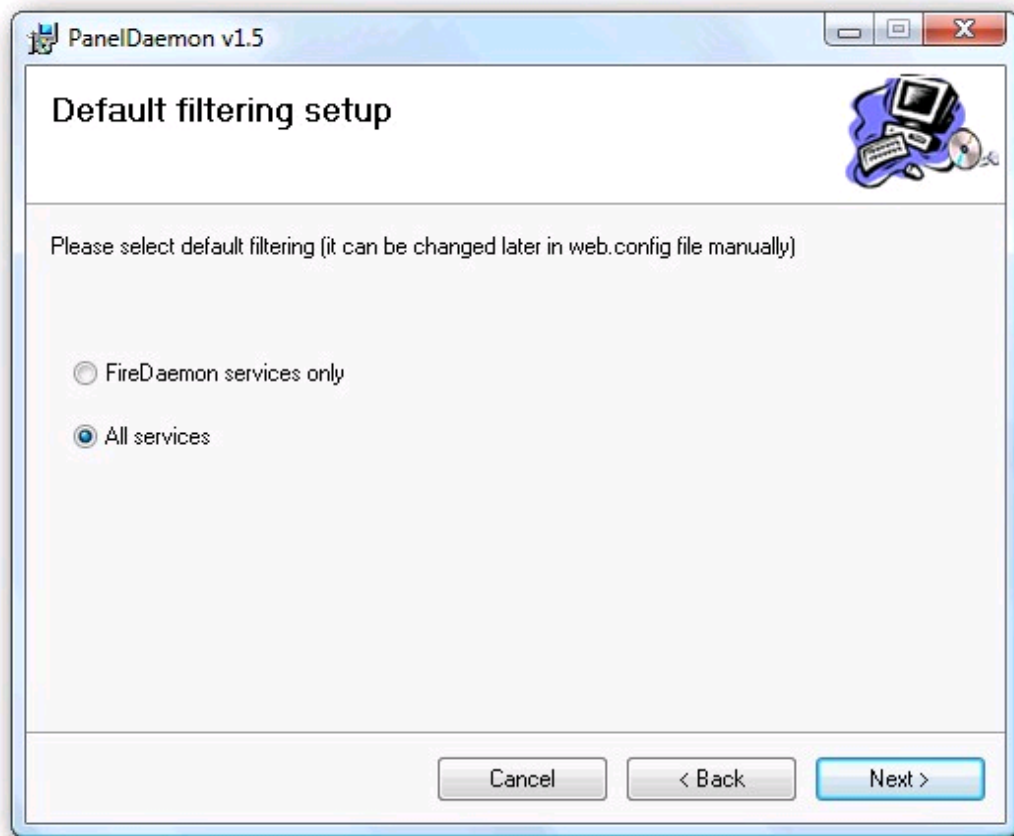
Machine Administrator Password
somepassword

Web Admin Logon
Admin

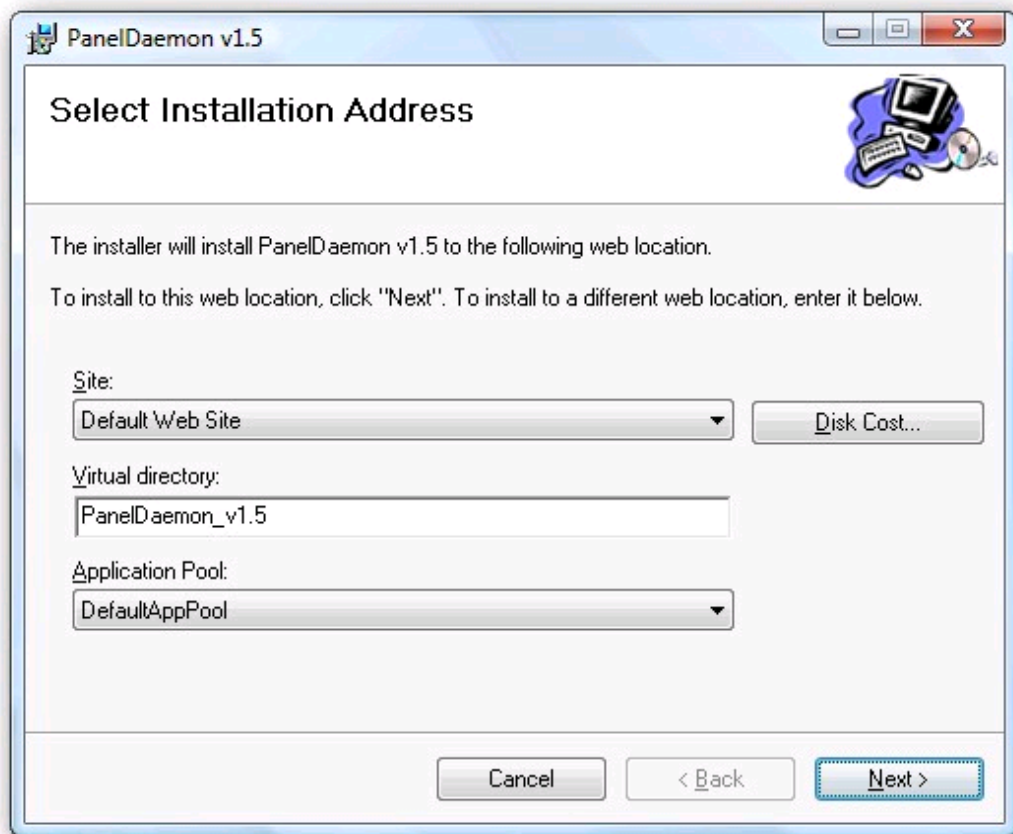
Web Admin Password
someotherpassword

Cancel < Back Next >

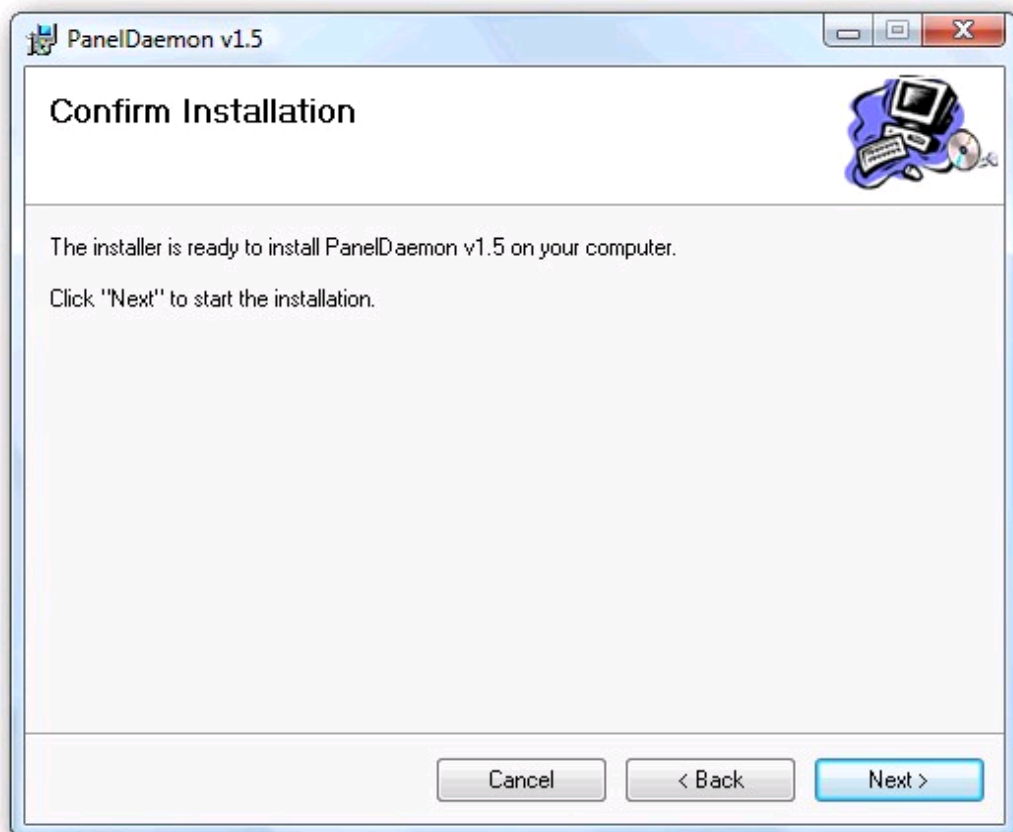
You can now set whether you see just FireDaemon services or all Windows services in PanelDaemon.



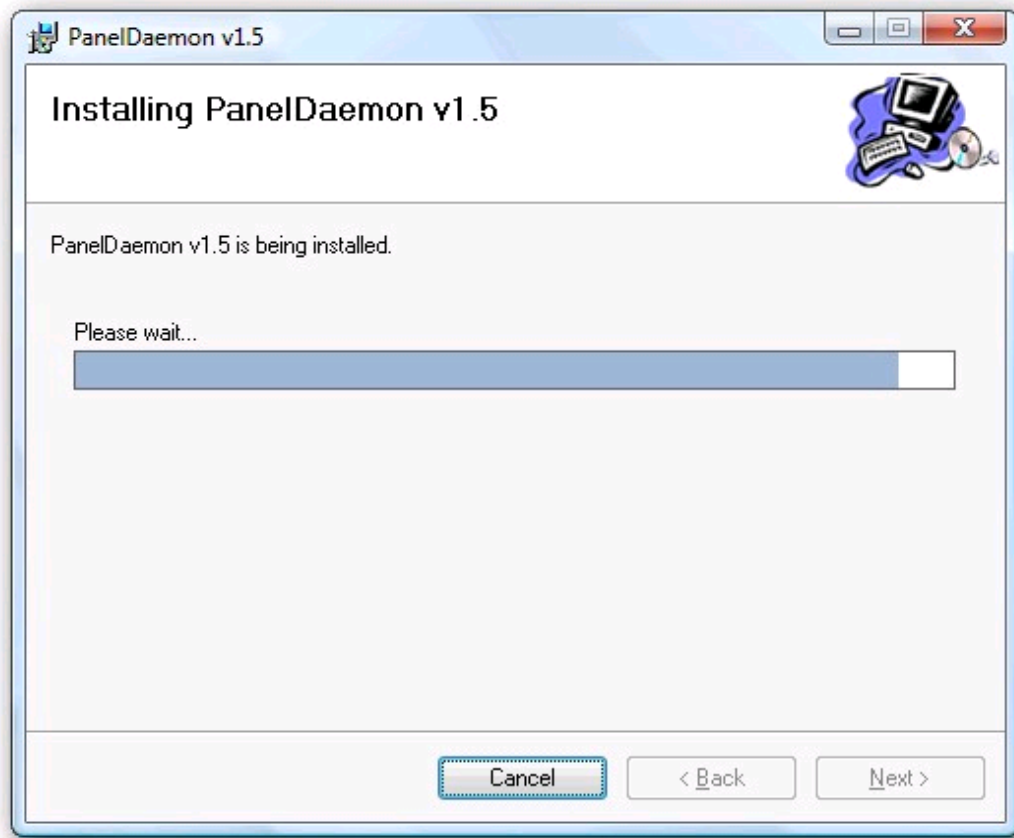
Now choose under which IIS website you want to install PanelDaemon, the IIS Virtual Directory name and Application Pool name. Then click Next.



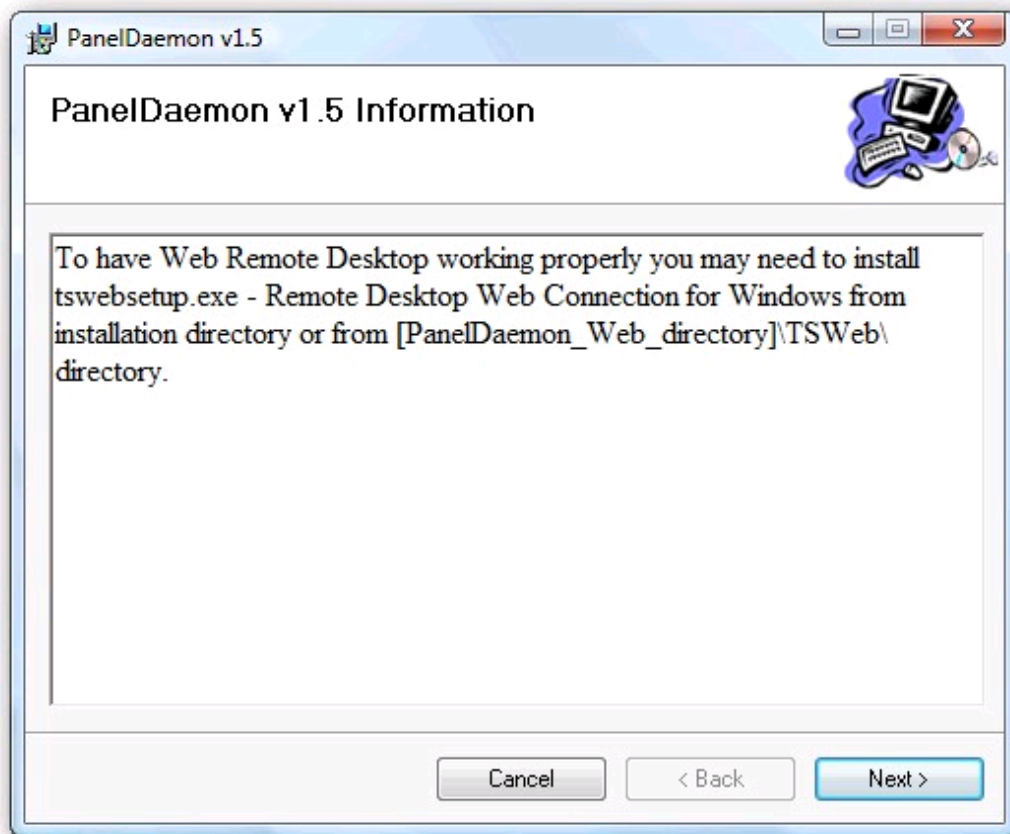
You are all set to install PanelDaemon. Click Next.



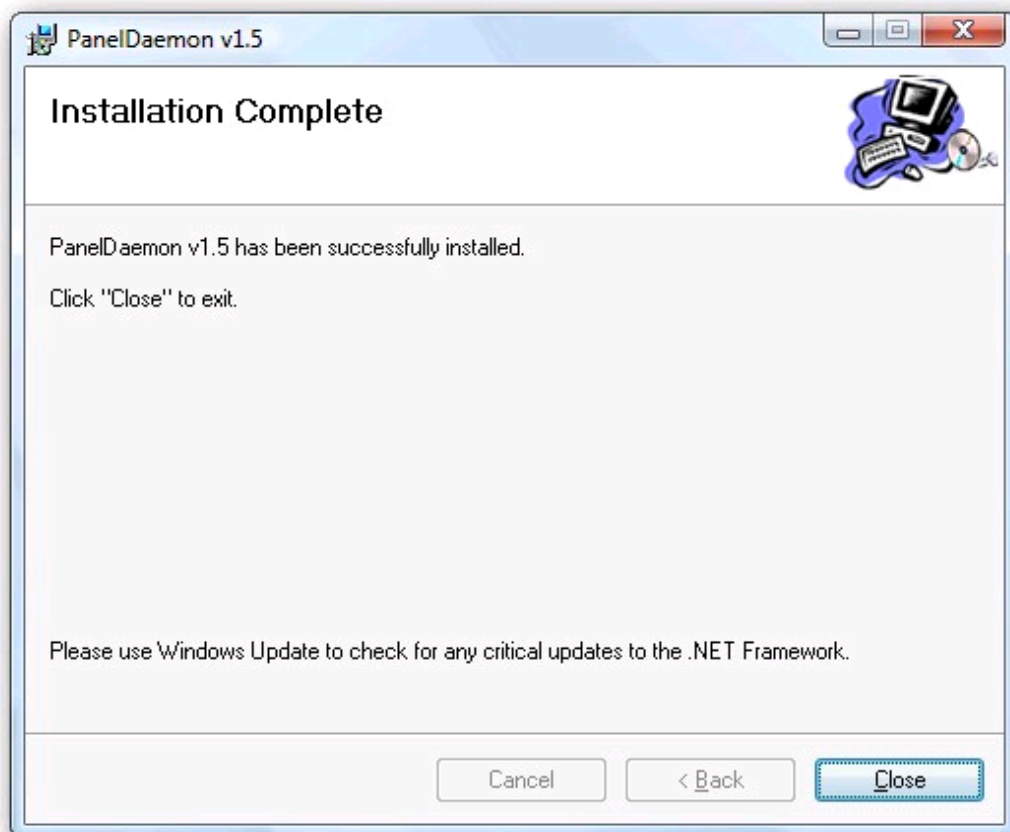
PanelDaemon will be installed (it might take a few minutes).



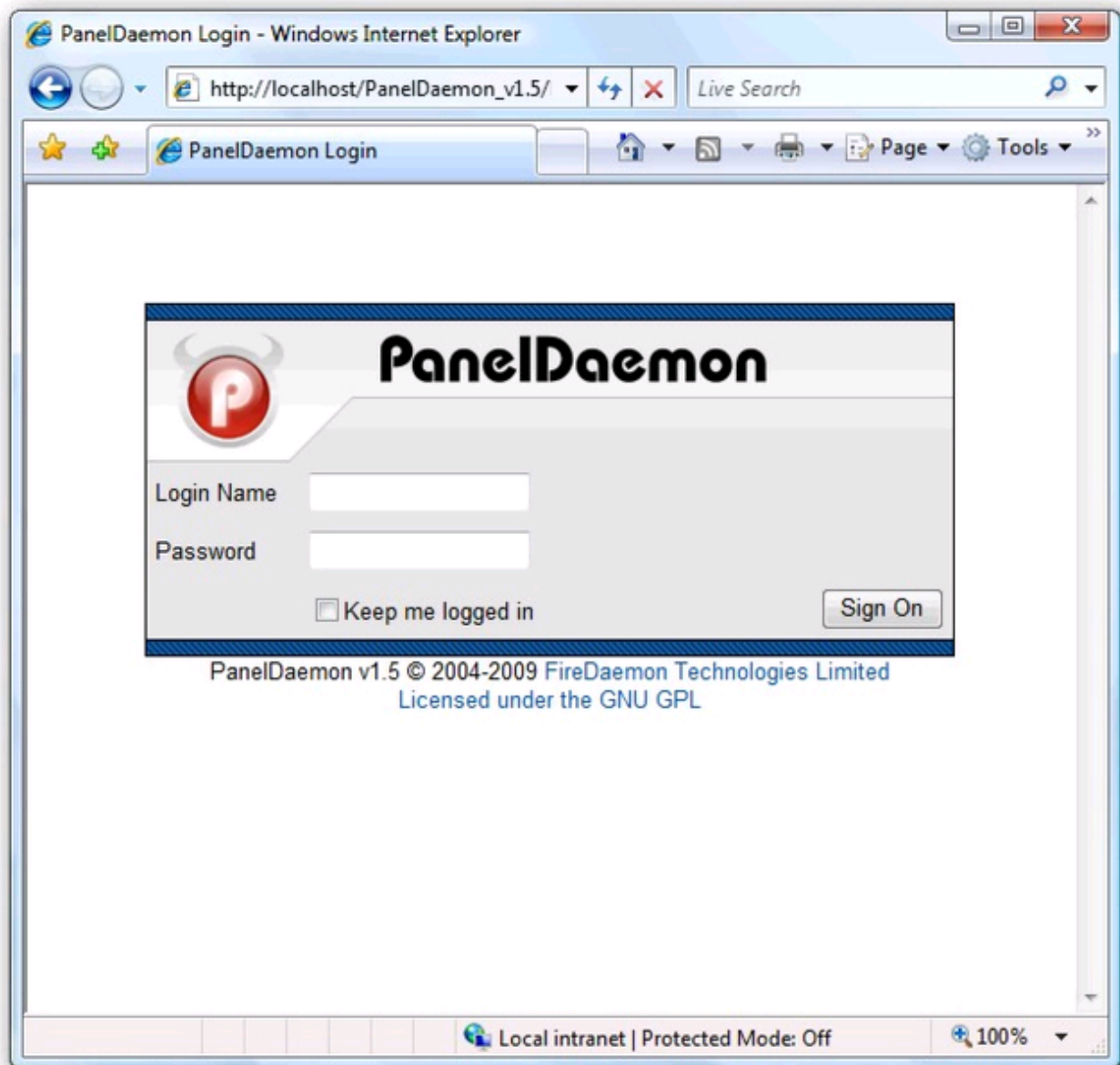
Once installed you will see the following dialog box. Follow the instructions if you wish to install Web Remote Desktop. Then click the Next button.



That's it! PanelDaemon is installed. Now click the Close button.



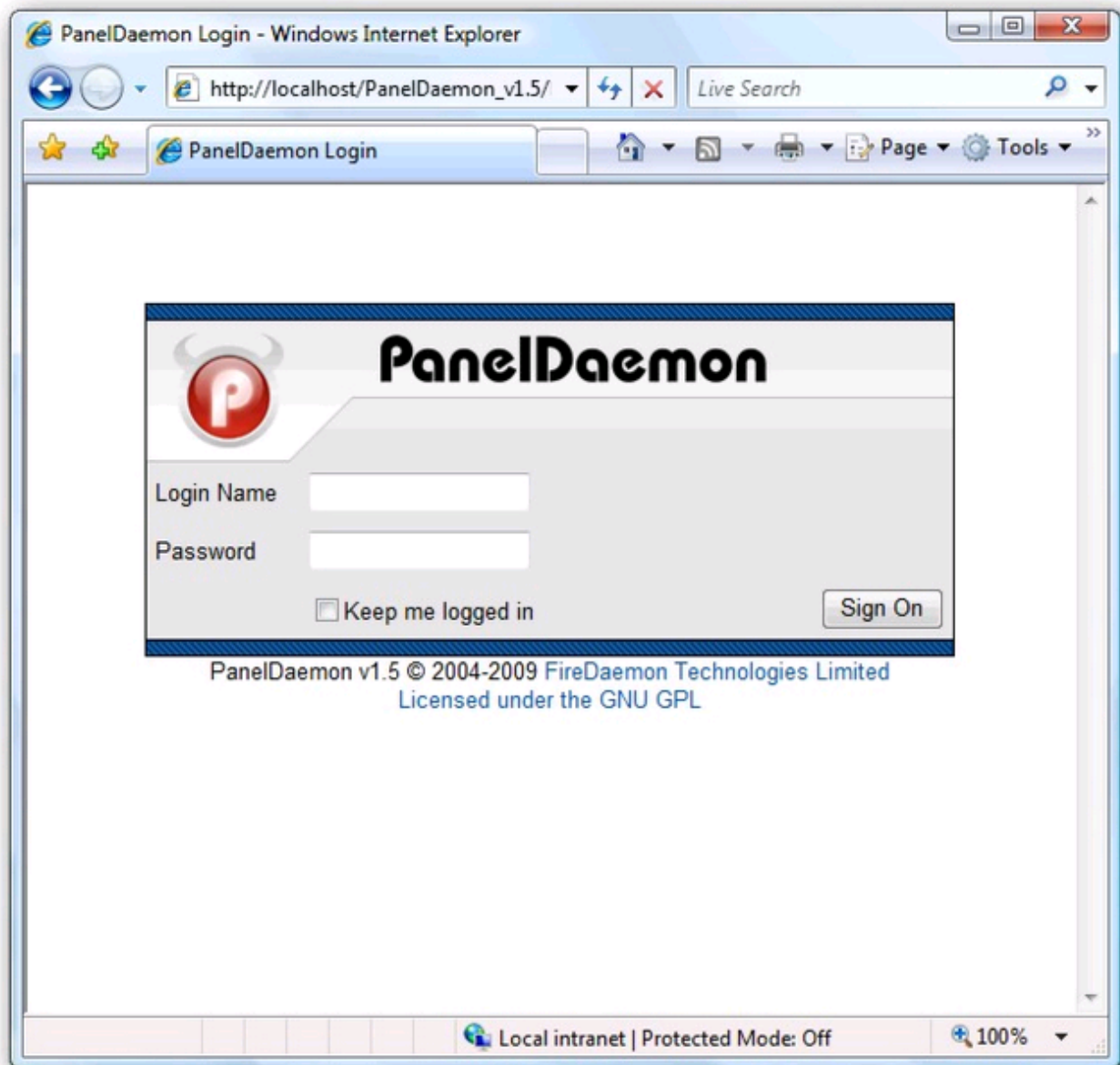
Lastly test that PanelDaemon is running. Open your favourite browser and point it at http://localhost/PanelDaemon_v1.5/. You should see a web page similar to the following. You will now be able to login as "Admin" (the second username and password that you typed in earlier) with the password you set.



Users Guide

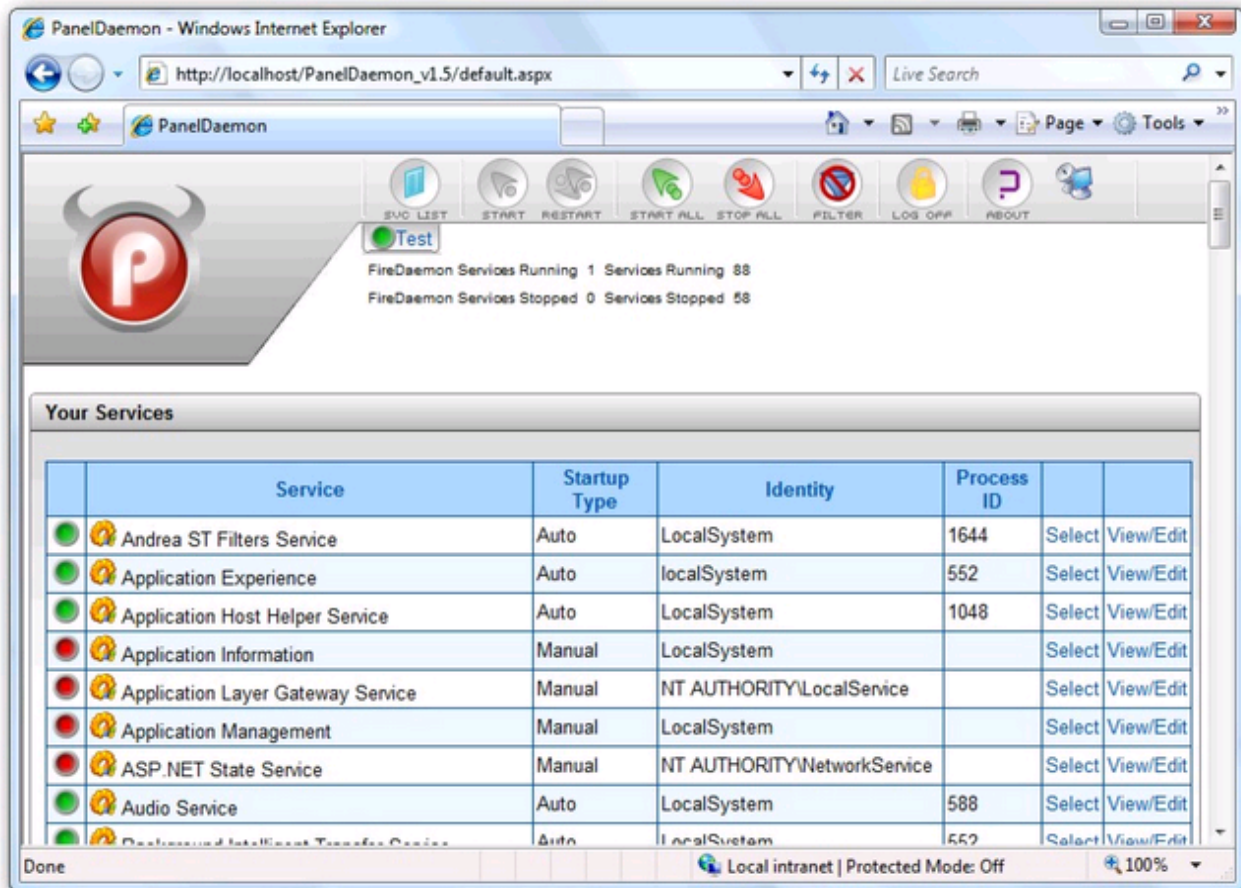
Logging On

Once you have successfully installed the .NET runtime, IIS and PanelDaemon, you should be able to login via your favourite web browser. Point your browser at: http://localhost/PanelDaemon_v1.5/. You should see the following login screen. Type the PanelDaemon administrator name and password that you [set during installation](#) into the Login Name and Password fields.



Your Services

After successful login you should see a web page similar to the following. Services are listed alphabetically. Shortcuts to FireDaemon services are available as a tab underneath the main buttons at the top of the page. For each service, you will see a green or red button depicting whether the service is actually running, the Service Short Name, it's Startup Type (one of Automatic, Manual or Disable), the Identity it is run as and the Process ID of the running service. The Select and View/Edit columns allow to "Select" the service (allowing you to Start/Stop/Restart it) and View/Edit the service in more detail.

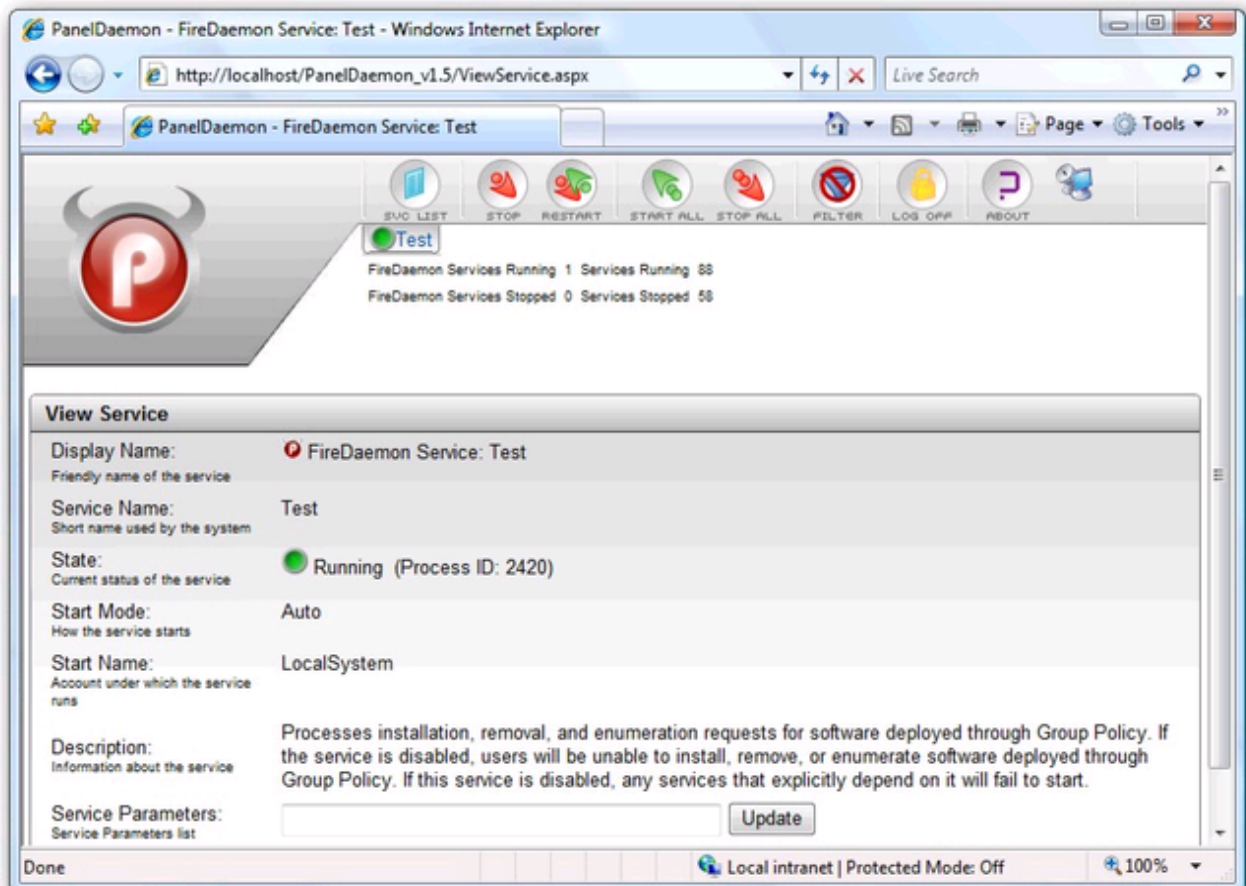


The buttons at the top of the web page have the following functionality:

| | |
|-----------|---|
| Svc List | Takes you back to the Service List above if you are viewing the properties of an individual service |
| Start | Starts the "Select"ed service |
| Stop | Stops the "Select"ed service |
| Restart | Restarts the "Select"ed service |
| Start All | Starts All FireDaemon services |
| Stop All | Stops All FireDaemon services |
| Filter | Changes the service list view from All Services to just FireDaemon services |
| Log Off | Logs off PanelDaemon |
| About | About PanelDaemon |
| RDP | Allows you to use the Terminal Services Web connection to RDP to a remote machine via your browser |

View/Edit Service

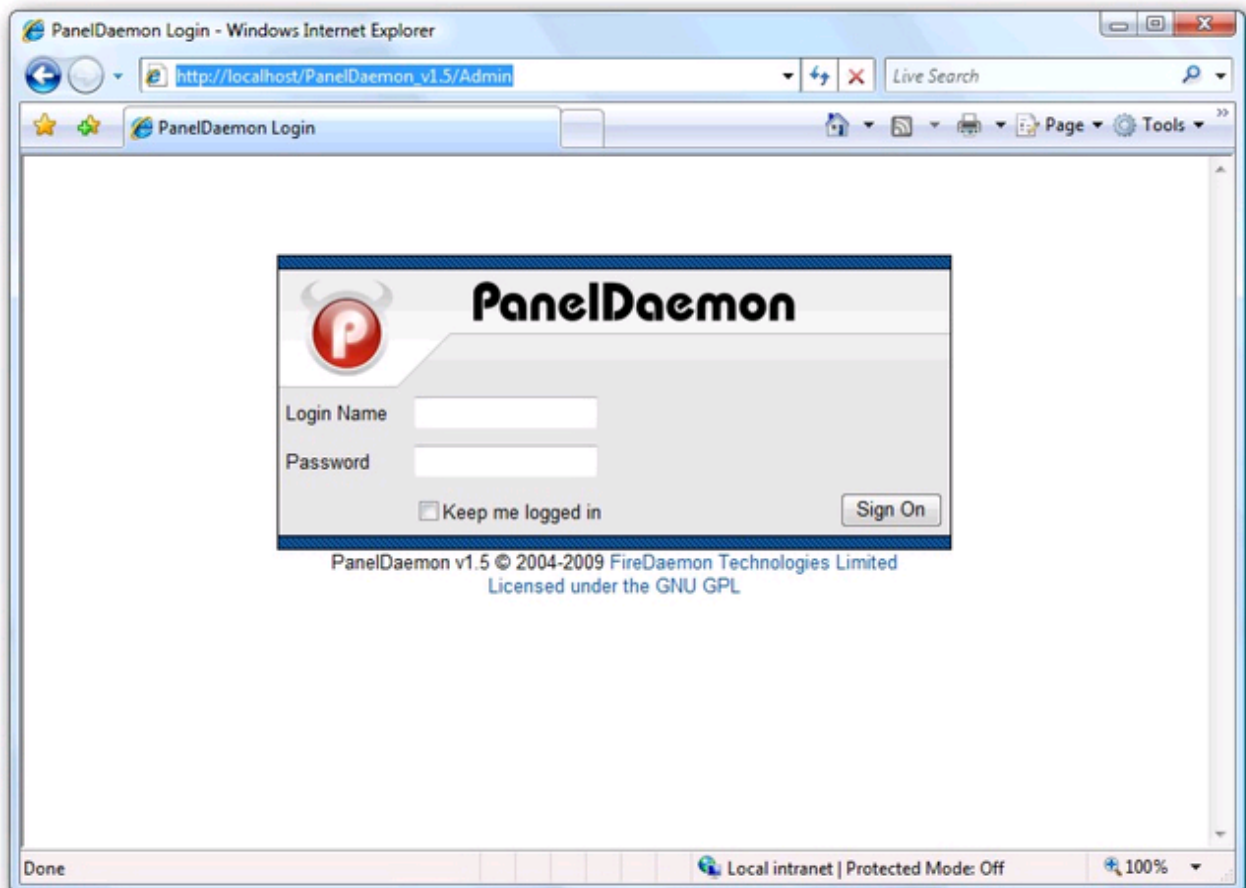
If you click on View/Edit for a specific service you will be redirected to a page similar to the following. It contains more specific information regarding the service in question and allows you to Stop/Start/Restart it. Click on the Svc List button to take you back to the main [Your Services](#) list.



Service User Accounts

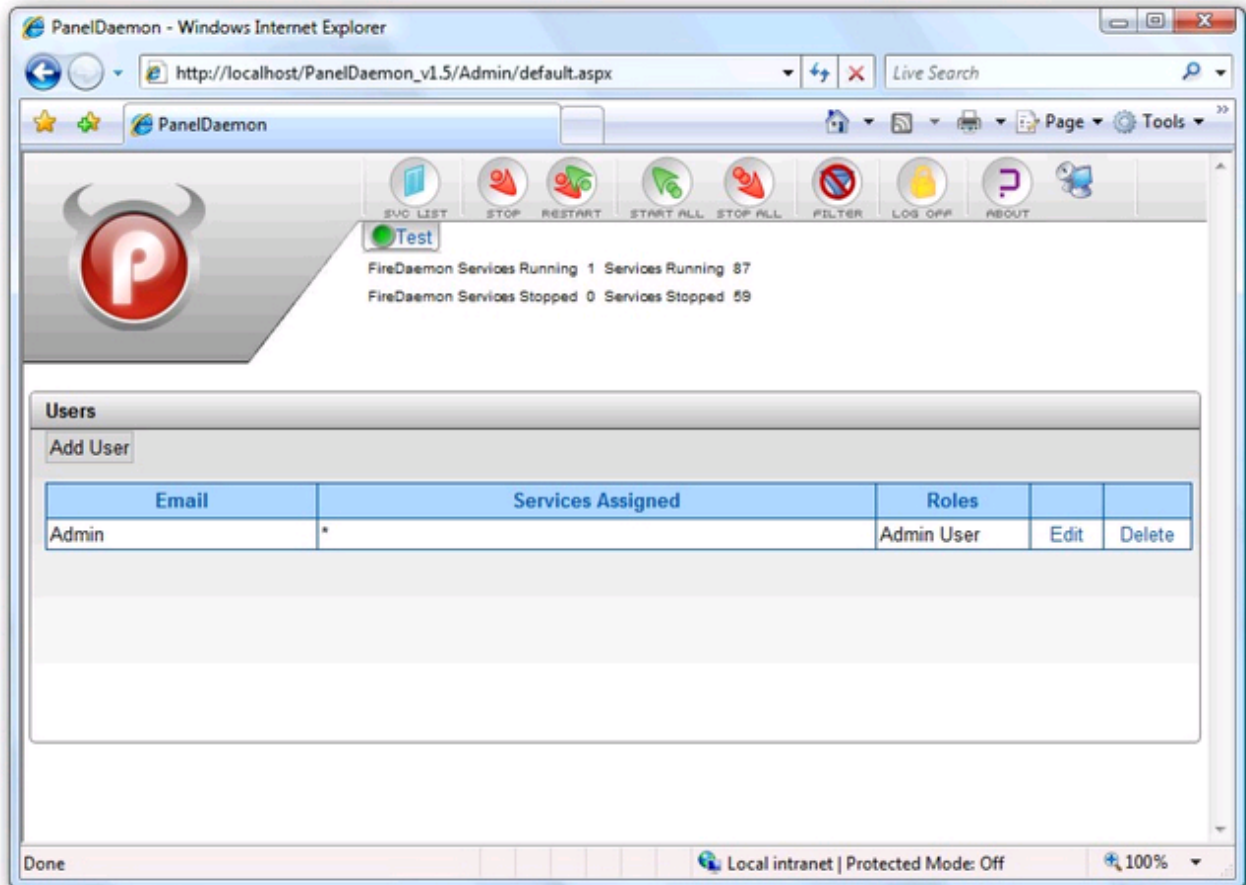
Managing Users

PanelDaemon allows you to setup local user accounts and bind one or more services to that user providing a granular service view. This is useful in multi-user environments allowing individuals to login and be able to have services assigned to them. To create user accounts, you need to point your browser at: http://localhost/PanelDaemon_v1.5/Admin/. Login using the PanelDaemon admin username and password you assigned during login:



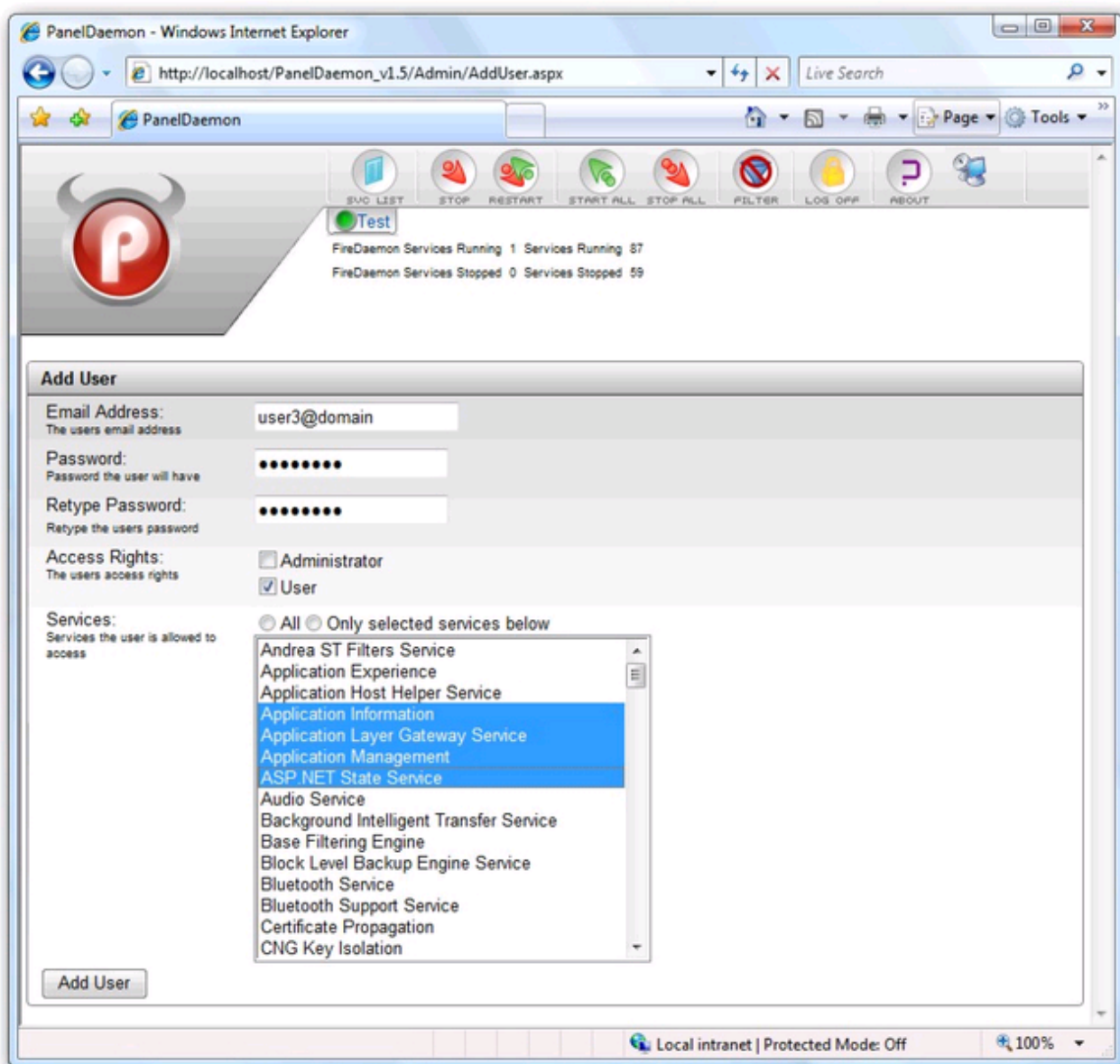
User List

After successful login you should see the User List page similar to the one below. You can Add Users, Edit them or Delete them. The Services assigned to the user are the service short name.

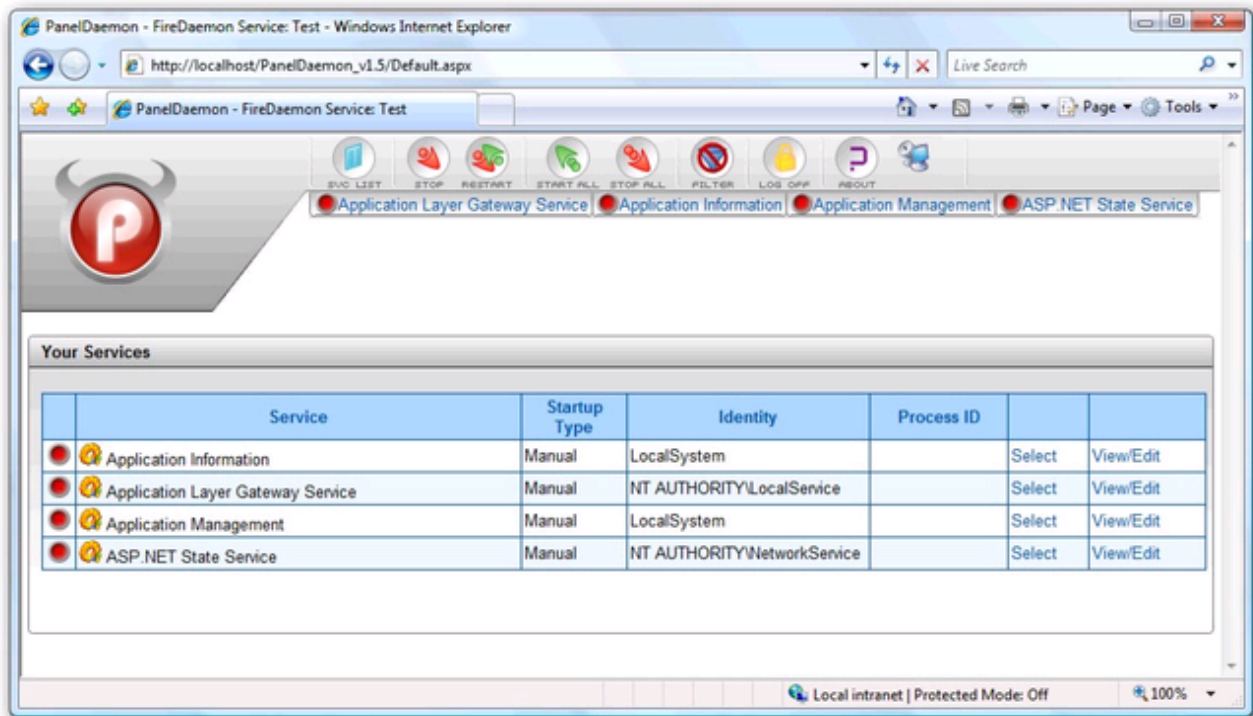


Adding/Editing Users

If you click on the Add User button you will see a page similar to the one below. The EMail Address field is the "name of the user" - it doesn't actually have to be a email address. The user will login using this name. The password fields are self explanatory and the user will type this password in conjunction with their user name. The Access Rights allow you to determine what type of user they are: Administrator (can manage services in addition to user accounts) and User (can manage specific services only). The Services list box allows you to choose which services the user can view and manage after they have logged in. Use the radio button to choose All or selected services. Hold down the Control key when left clicking on the service list to selecting multiple services. Click the Edit User button to save changes.

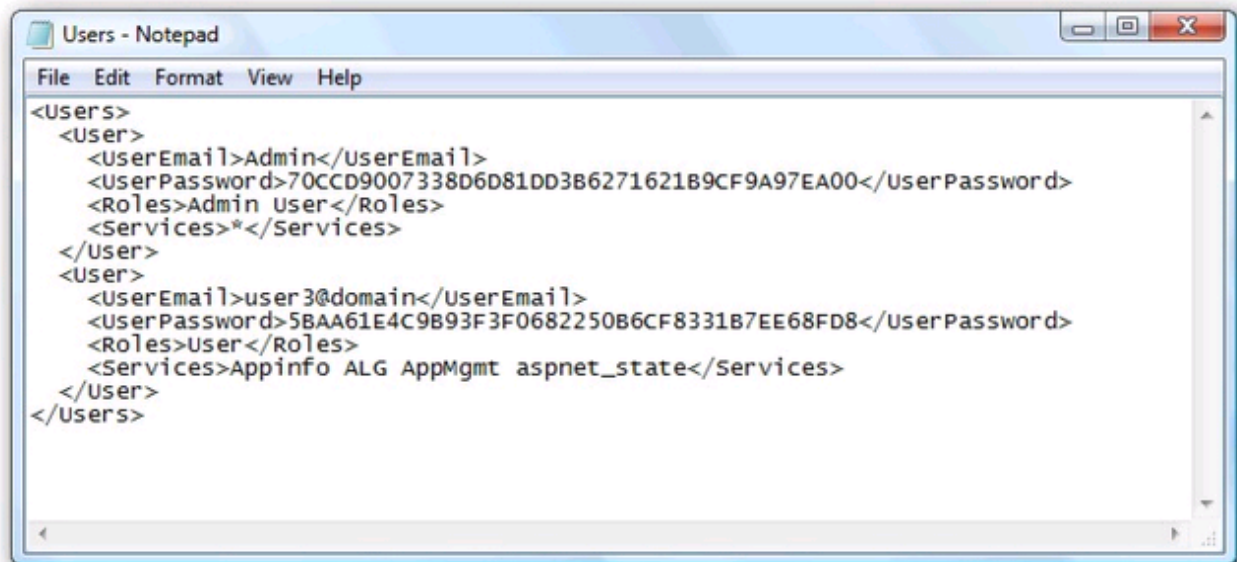


Now if you were to login as user3@domain you would see the following:

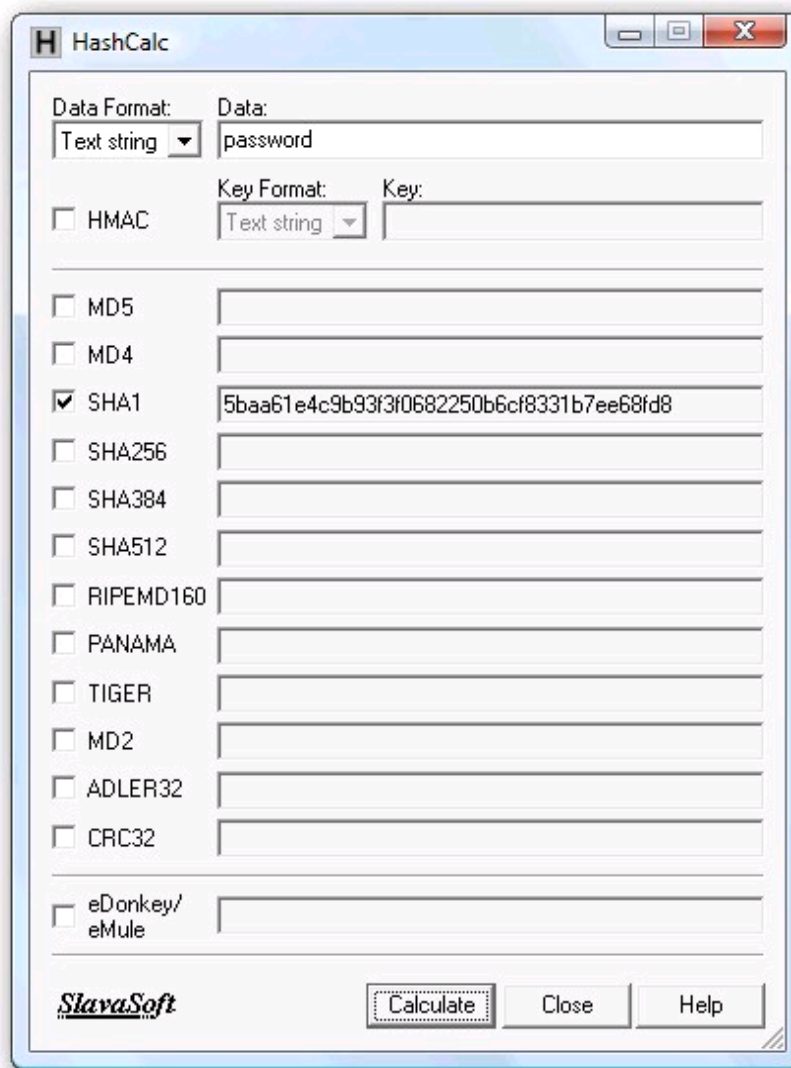


Under The Hood

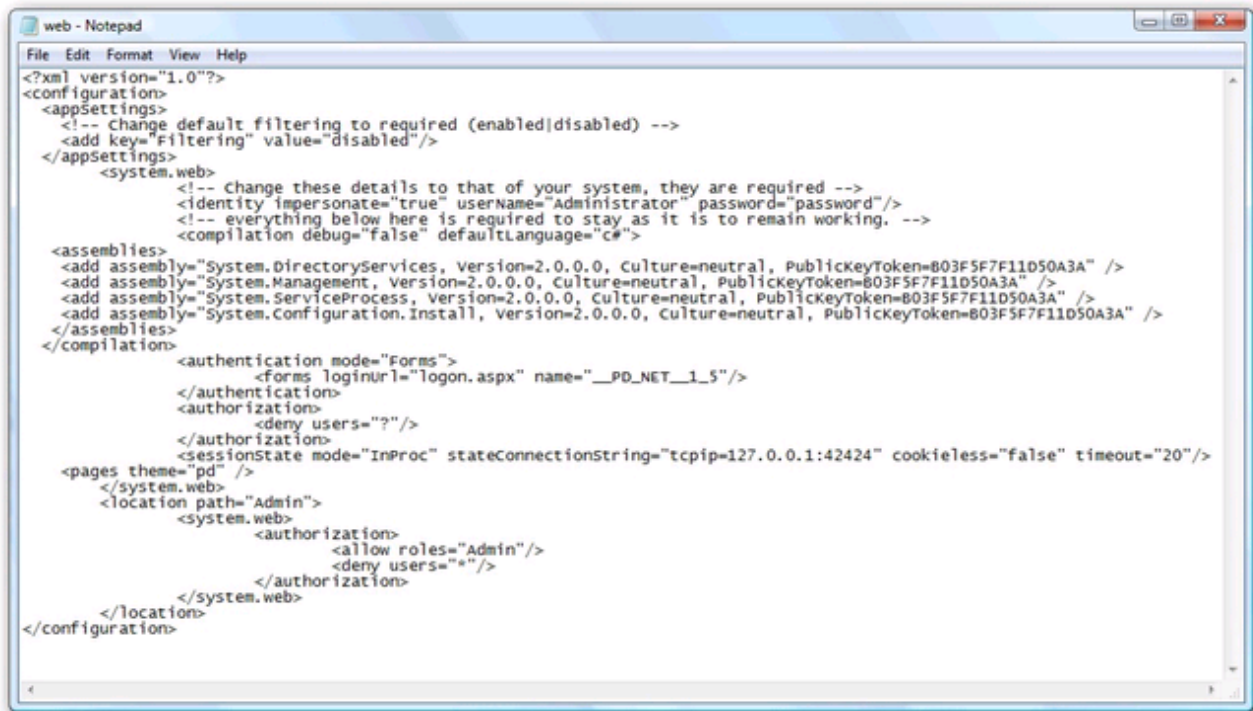
If you wish to reset passwords or manage Service User Accounts manually you can do so via editing User.config found in C:\inetpub\wwwroot\PanelDaemon_v1.5. This file is XML and looks similar to the following.



The UserPassword is a SHA1 hash. To generate SHA1 passwords, use the [HashCalc](#) to generate them:



If you wish to modify how the PanelDaemon application itself functions (for example which users can login to administer users or you change the machine Administrator's password) then consider modifying Web.config also found in C:\inetpub\wwwroot\PanelDaemon_v1.5:

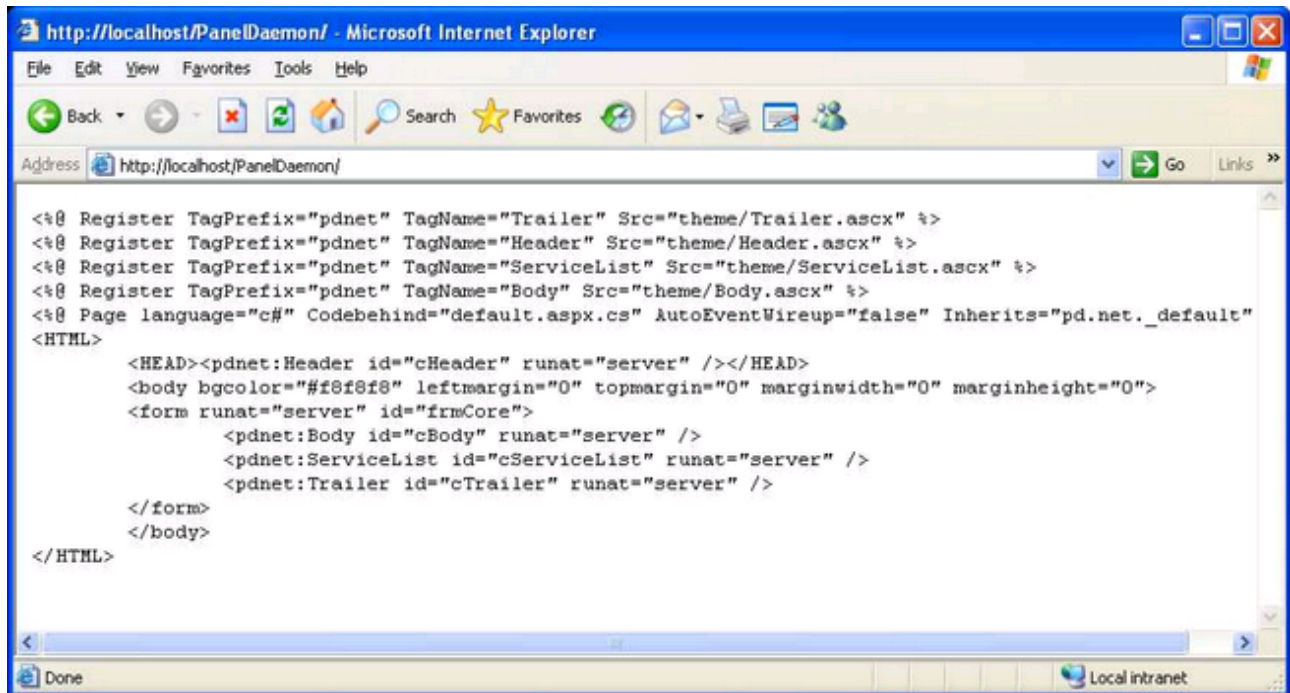


Refer to [this article](#) for more information regarding the contents of the Web.config file.

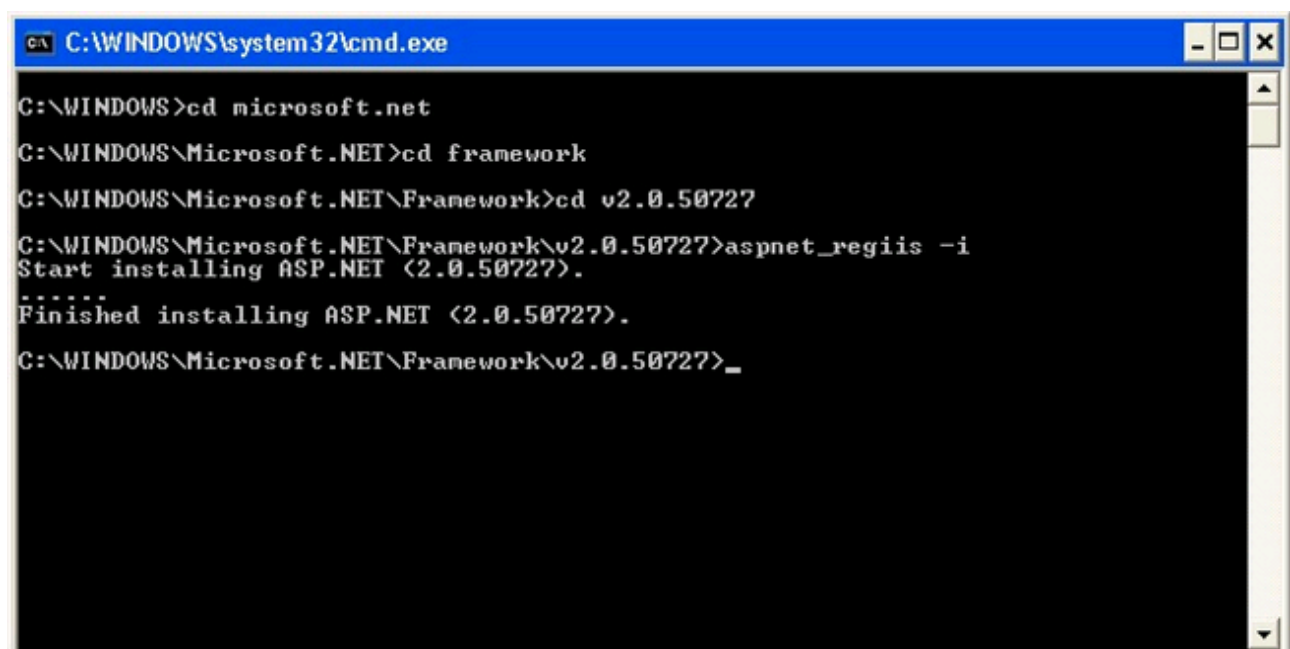
Troubleshooting

No PanelDaemon Login Screen

If you see the following web page, in preference to the PanelDaemon login screen, it might indicate that the ASP.NET runtime has not been installed correctly:

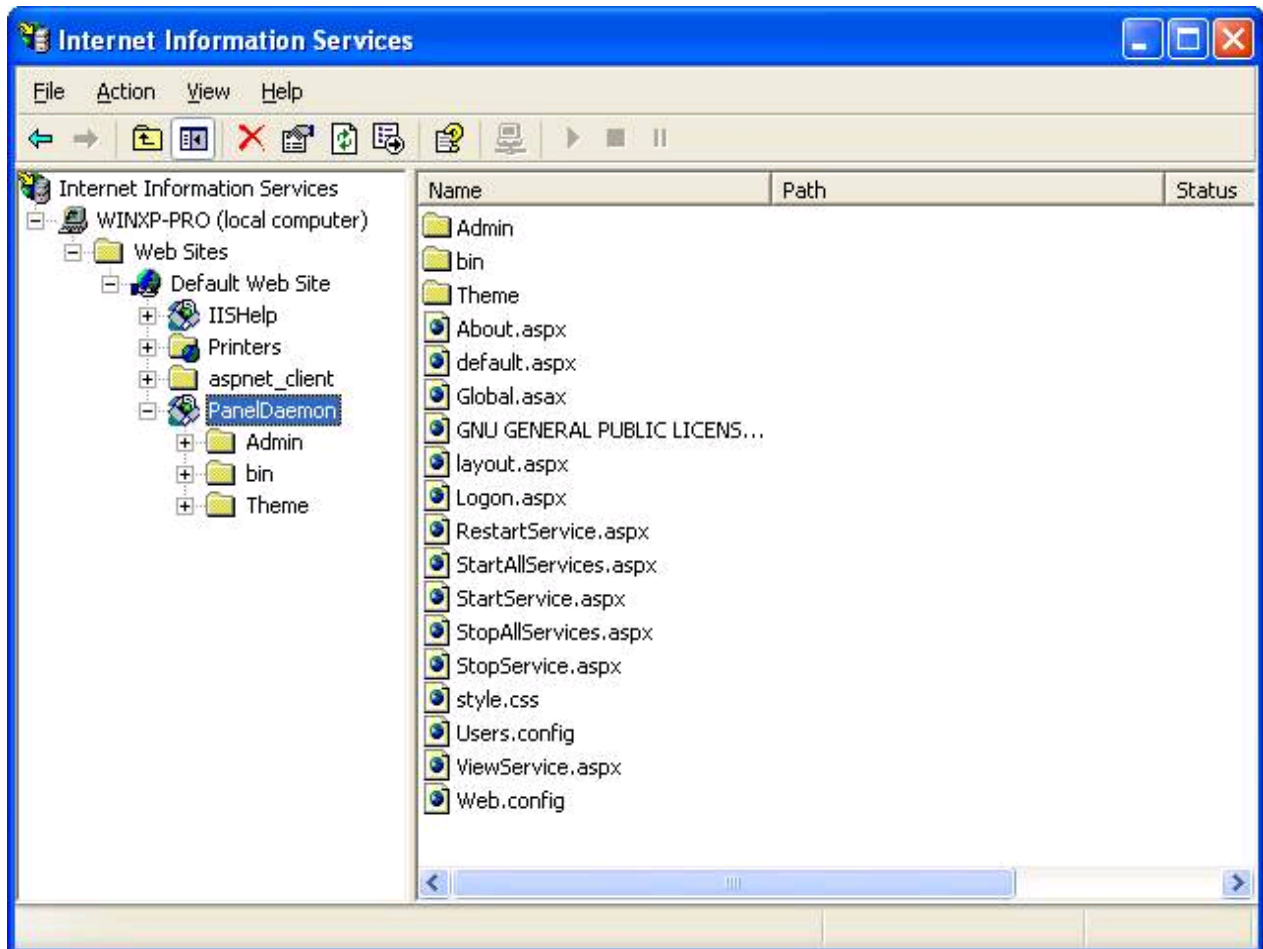


To resolve this simply go to a command prompt and change directory to C:\Windows\Microsoft.NET\Framework\v2.0.50727 and type the following: `aspnet_regiis -i`. Then repoint your browser at `http://localhost/PanelDaemon_v1.5` and you now should see the PanelDaemon login screen.



Accessing the IIS 5.1 Snap In

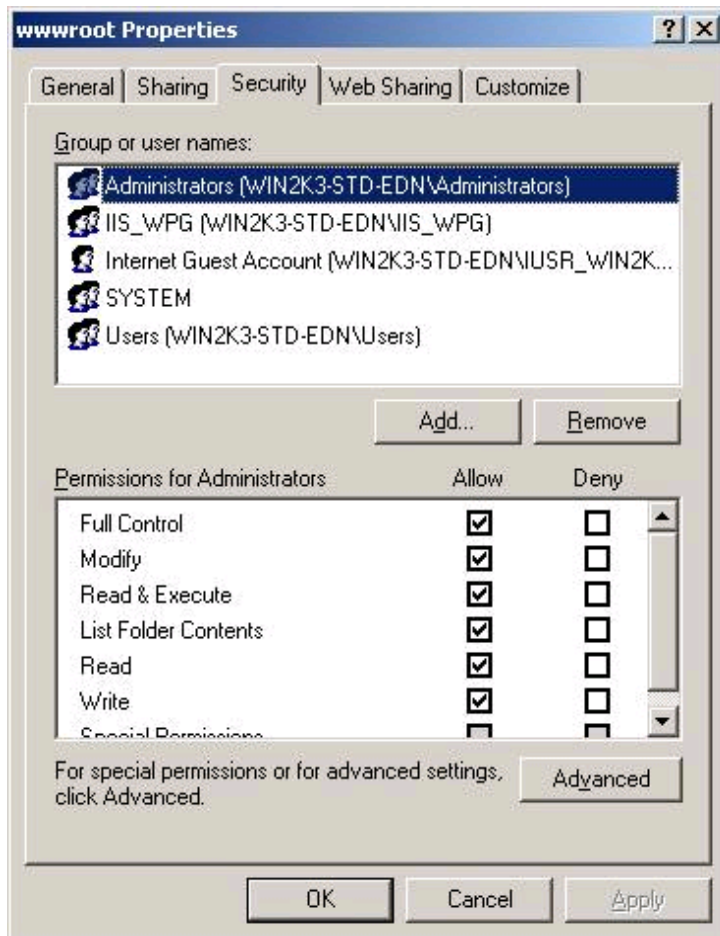
The IIS 5.1 Management snap-in is only available via the Administrative Tools applet found in the Control Panel. If you want to access it directly, click on Start menu and locate Run and type: `c:\windows\system32\inetmgr\iis.msc`. You might want to create a shortcut to this on your desktop.



Access Denied Issues

You might receive access denied issues when attempting to access PanelDaemon. This is usually caused by missing IIS components (check the [installation guide](#) to make sure you chose all the correct IIS components), incorrect IIS setup or incorrect directory permissions on C:\inetpub\wwwroot. Ensure the Internet Guest Account (IUSER_*machinename*) has appropriate access.

For example, on Windows Server 2003 your directory security permissions should look as follows:



Installer Quits on Vista and 2008

If you attempt to install PanelDaemon on Windows Vista or Server 2008 and the installer just quits out with the error message: **"The installer was interrupted before PanelDaemon v1.5 could be installed. You need to restart the installer to try again"** this means you have not installed the IIS 6.0 compatibility components in IIS 7.0. Please carefully read the Windows Vista and Server 2008 [setup requirements](#) and make sure they are all installed.

Index

- A -

Access Denied Issues 51
Accessing the IIS 5.1 Snap In 50
Adding/Editing Users 43

- I -

IIS 5.1 on Windows XP 7
IIS 6.0 on Windows 2003 15
IIS 7.0 on Windows Vista or Server 2008 23
Installer Quits on Vista and 2008 52
Introduction 3

- L -

Logging On 37

- M -

Managing Users 41

- N -

No PanelDaemon Login Screen 48

- P -

PanelDaemon Setup 29

- S -

Set Administrator Password 4
Step 1: Open The Control Panel 8, 16, 24
Step 2: Add or Remove Programs 17
Step 2: Check .NET 2.0 Has Been Installed 9
Step 2: Programs and Features 25
Step 3: Add Application Server Component 18
Step 3: Add IIS Windows Component 10
Step 3: Add Internet Information Services Component 26
Step 4: Test IIS 14, 22, 28

- U -

Under The Hood 45
User List 42

- V -

View/Edit Service 40

- Y -

Your Services 38