

# Getting Started – Installing Flynet

---

## Introduction

This document is an extremely detailed step-by-step guide for the installation of Flynet Web Service Generator. There are several components that need to be installed and configured correctly before you can successfully use Flynet.

Although this document may seem very large you will be able to skip the majority of it as per the instructions. Hopefully there is enough information here to help even the most novice or timid of users.

## Prerequisites

Here are the items needed to run the Flynet software. The following sections will help you install and configure these options.

- Operating System.
  - For development: Microsoft Windows XP Professional, Vista Home Premium, Business, Enterprise or Ultimate.
  - For production: Microsoft Windows Server 2003 or 2008.
- Microsoft Distributed Transaction Coordinator.
- Microsoft Internet Information Services (IIS).
- Microsoft .NET Framework version 2.0.
- Microsoft ASP.NET version 2.0 configured to work with IIS.

## Document conventions

Information is written in plain text with a white background.

---

Guides that take you through detailed installation and configuration steps have a border and blue background.

---

## Contents

Introduction .....	1
Prerequisites .....	1
Document conventions.....	1
Microsoft Distributed Transaction Coordinator.....	3
How to find the list of installed Windows services.....	3
How to change the Startup Type of a Windows Service.....	3
How to install the Distributed Transaction Coordinator.....	4
Internet Information Services .....	5
Required IIS components .....	5
How to install and confirm the installation of the required Internet Information Service components on Windows XP Professional.....	5
How to install and confirm the installation of the required Internet Information Service components on Windows Vista.....	7
How to install and confirm the installation of the required Internet Information Service components on Windows Server 2003 .....	9
How to install and confirm the installation of the required Internet Information Service components on Windows Server 2008.....	11
Microsoft .NET Framework version 2.0 .....	14
Windows XP Professional.....	14
How to check if Framework 2.0 is installed on Windows XP Professional.....	14
How to install Framework 2.0 on Windows XP Professional .....	14
Windows Server 2003 .....	15
How to check if Framework 2.0 is installed on Windows Server 2003 .....	15
How to install Framework 2.0 on Windows Server 2003.....	15
Windows Vista and Server 2008.....	15
Microsoft ASP.NET version 2.0 configured to work with IIS.....	16
Windows XP Professional.....	16
How to configure Microsoft Framework 2.0 to work with IIS on Windows XP.....	16
Windows Server 2003 .....	17
How to configure Microsoft Framework 2.0 to work with IIS on Windows Server 2003 .....	17
Windows Vista and Server 2008.....	18
Ready to Install Flynet .....	19
How to install Flynet .....	19
Starting Flynet .....	19

## Microsoft Distributed Transaction Coordinator

The Distributed Transaction Coordinator (DTC) coordinates transactions that span multiple resource managers, such as databases, message queues, and file systems. You can check to see if the DTC is installed by finding *Distributed Transaction Coordinator* in your list of Windows services in the Services Control Panel applet.

### How to find the list of installed Windows services

To find the list of your Windows services you need to look in the Services Control Panel applet.

1. In Windows, press the *Start* button.
2. Click *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel* window, open *Administrative Tools*.
5. In the *Administrative Tools* window, open *Services*. If you have User Access Control turned on, you will be prompted to give Windows the permission to continue. It is safe to give this permission.

Here you will find a list of installed Windows services and their status.

The DTC is correctly installed and configured if its *Startup Type* is set to anything other than *Disabled*. If it is marked *Disabled*, please switch it to *Manual*.

### How to change the Startup Type of a Windows Service

To change the *Startup Type* of a Windows Service first of all locate the service in the Service Control Panel applet.

1. Double click the Windows service you wish to alter. This will open the *Properties* window for the service.
2. Make sure you are on the *General* tab.
3. Locate the *Startup type* drop down.
4. Change the *Startup type* to the desired option using the drop down.
  - Manual – User interaction or another process can manually start the service at any time.
  - Automatic – Windows will start the service when the computer starts.
  - Disabled – User interaction or another process cannot start the service at any time.
  - Automatic (Delayed Start) – Not available on all versions of Windows – Windows will start the service when the computer starts after all the *Automatic* services have started.

If you cannot find the *Distributed Transaction Coordinator* in your list you need to install it.

---

## How to install the Distributed Transaction Coordinator

To install the *Distributed Transaction Coordinator* we need to use the *Windows Command Line*.

### Microsoft Windows XP or Windows Server 2003

1. In Windows, press the *Start* button.
2. Select *All Programs* from the *Start* menu.
3. Select *Accessories* on the *All Programs* menu.
4. Select the *Command Prompt* on the *Accessories* menu.
5. Follow the instructions below for all versions of Windows.

### Microsoft Windows Vista or Server 2008

1. In Windows, press the *Start* button.
2. In the *Start Search* text box at the bottom left of the *Start* menu, type “*Command Prompt*”.
3. Locate the *Command Prompt* application icon that appears at the top of the *Start* menu.
4. Right-click the *Command Prompt* application icon and select *Run as administrator*. If you have User Access Control turned on, you will be prompted to give Windows the permission to continue. It is safe to give this permission.
5. Follow the instructions below for all versions of Windows.

### For all versions of Windows

1. Inside the *Command Prompt* window, type the following commands followed by the [ENTER] key at the end of each line.

```
%systemdrive%  
cd %systemroot%  
cd system32  
msdtc -install
```

2. The *Command Prompt* window will not give you any feedback if there has been a successful install.
  3. Check to see if the *Distributed Transaction Coordinator* has appeared in the *Service Control Panel* applet and that the *Startup Type* is not *Disabled*. See the main guide for these steps.
-

## Internet Information Services

Microsoft *Internet Information Services* (IIS) are services that can offer web pages and web services (among many other things) to your network. You can check to see if IIS (and the required sub-components) are installed by looking in the installed Windows Features (Vista), the configured Windows Server Roles in Windows Server or Installed Windows Components in Windows XP Professional.

### Required IIS components

#### *Windows XP Professional*

1. Internet Information Services (IIS).
  - a. Common Files.
  - b. Internet Information Services Snap-in.
  - c. World Wide Web Services.
    - i. World Wide Web Service.

#### How to install and confirm the installation of the required Internet Information Service components on Windows XP Professional

1. In Windows, press the *Start* button.
2. Click *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel* window, open *Add or Remove Programs*.
5. Select *Add/Remove Windows Components* at the left hand side of the *Add or Remove Programs* window.
6. Wait for the *Windows Components Wizard* window to appear.
7. In the *Components* check box list on the *Windows Components Wizard* window, look for the *Internet Information Services (IIS)* entry.
8. Select the *Internet Information Services (IIS)* entry by clicking the text (not the check box). The line should now be highlighted.
9. Press the *[Details...]* button that is to the bottom right of the *Components* check box list.
10. The *Internet Information Services (IIS)* windows should appear.
11. In the *Subcomponents of Internet Information Services (IIS)* check box list, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  - Common Files.
  - Internet Information Services Snap-in.
12. Select the *World Wide Web Service* entry by clicking the text (not the check box). The line should now be highlighted.
13. Press the *[Details...]* button that is to the bottom right of the *Subcomponents of Internet Information Services (IIS)* check box list.
14. The *World Wide Web Service* window should appear.
15. In the *Subcomponents of World Wide Web Service* check box list, items that are already installed will be *ticked*. If the following item is not *ticked*, go ahead and *tick* it.
  - World Wide Web Service.
16. Click the *[OK]* button at the bottom right of the *World Wide Web Service* window.
17. Click the *[OK]* button at the bottom right of the *Internet Information Services (IIS)* window.

18. If you did not have to *tick* any options you already had all the necessary components installed.
  19. Click the [*Next >*] button at the bottom right of the *Windows Components Wizard* window.
  20. Windows will now configure any new components if needed. It may prompt for your Windows XP Professional installation disc at this point.
  21. Once configuration is complete the, you will be able to press the [*Finish*] button at the bottom right of the *Windows Components Wizard* window.
-

## Windows Vista

1. Internet Information Services.
  - a. Web Management Tools.
    - i. IIS Management Compatibility.
      1. IIS 6 WMI Compatibility.
      2. IIS Metabase and IIS 6 configuration compatibility.
    - ii. IIS Management Console.
    - iii. IIS Management Scripts and Tools.
    - iv. IIS Management Services.
  - b. World Wide Web Services.
    - i. Application Development Features.
      1. .NET Extensibility.
      2. ASP.NET
    - ii. Common Http Features.
      1. Default Document.
      2. Directory Browsing.
      3. HTTP Errors.
      4. Static Content.
    - iii. Health and Diagnostics.
      1. HTTP Logging.
      2. Request Monitor.
    - iv. Security.
      1. Basic Authentication.
      2. Request Filtering.
      3. Windows Authentication.

### How to install and confirm the installation of the required Internet Information Service components on Windows Vista

1. In Windows, press the *Start* button.
2. Click *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel*, open *Programs and Features*.
5. In the *Programs and Features* window, select the *Turn Windows features on or off* link in the left hand side column. If you have User Access Control turned on, you will be prompted to give Windows the permission to continue. It is safe to give this permission.
6. The *Windows Features* window will appear.
7. In the check box tree list you should be able to see *Internet Information Services*.
8. Expand the *Internet Information Services* node. You do this by left-clicking once the square box containing a *plus (+)* symbol to the very far left of the *Internet Information Services* node.
9. Expand the *Web Management Tools* node.
10. Expand the *IIS 6 Management Compatibility* node.
11. Inside the *IIS 6 Management Compatibility* node, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.

- IIS 6 WMI Compatibility.
  - IIS Metabase and IIS 6 configuration compatibility.
12. Back inside the *Web Management Tools* node, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
- IIS Management Console.
  - IIS Management Scripts and Tools.
  - IIS Management Services.
13. Locate and expand the *World Wide Web Services* node back in the *Internet Information Services* node.
14. Expand the *Application Development Features* node found inside the *World Wide Web Services* node.
15. Inside the *Application Development Features* node, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
- .NET Extensibility.
  - ASP.NET
16. Expand the *Health and Diagnostics* node found inside the *World Wide Web Services* node.
17. Inside the *Health and Diagnostics* node, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
- HTTP Logging.
  - Request Monitor.
18. Expand the *Security* node found inside the *World Wide Web Services* node.
19. Inside the *Security* node, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
- Basic Authentication.
  - Request Filtering.
  - Windows Authentication.
20. Click the *[OK]* button to install any new components you have selected. You may be prompted to insert your Windows Vista disc at this point.
-

### Windows Server 2003

1. Application Server Role.
2. Application Server Windows Component.
  - a. Application Server Console.
  - b. ASP.NET.
  - c. Enable Network COM+ Access.
  - d. Internet Information Services (IIS).
    - i. Common Files.
    - ii. Internet Information Services Manager.
    - iii. World Wide Web Service.
      1. World Wide Web Service.

### How to install and confirm the installation of the required Internet Information Service components on Windows Server 2003

1. In Windows press the *Start* button.
2. Select *Control Panel* on the Start Menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel* window, open *Add or Remove Programs*.
5. Select *Add/Remove Windows Components* at the left hand side of the *Add or Remove Programs* window.
6. Wait for the *Windows Components Wizard* window to appear.
7. In the check box tree list you should be able to see *Application Server* entry.
8. Select the *Application Server* entry by clicking the text (not the check box). The line should now be highlighted.
9. Press the *[Details...]* button that is to the bottom right of the *Components* check box list.
10. The *Application Server* window should appear.
11. In the *Subcomponents of Application Server* check box list, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  - Application Server Console.
  - ASP.NET.
  - Enable Network COM+ Access.
  - Internet Information Services (IIS).
12. Select the *Internet Information Services (IIS)* entry by clicking the text (not the check box). The line should now be highlighted.
13. Press the *[Details...]* button that is to the bottom right of the *Subcomponents of Internet Information Services (IIS)* check box list.
14. In the *Subcomponents of Internet Information Services (IIS)* check box list, items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  - Common Files.
  - Internet Information Services Snap-in.
  - World Wide Web Service
15. Click the *[OK]* button at the bottom right of the *Internet Information Services (IIS)* window.
16. Click the *[OK]* button at the bottom right of the *Application Server* window.

17. If you did not have to *tick* any options you already had all the necessary components installed.
18. Click the [*Next >*] button at the bottom right of the *Windows Components Wizard* window.
19. Windows will now configure any new components if needed. It may prompt for your Windows Server 2003 Professional installation disc at this point.
20. Once configuration is complete the, you will be able to press the [*Finish*] button at the bottom right of the *Windows Components Wizard* window.

### Windows Server 2008

1. Web Server (IIS) Role.
  1. Common HTTP Features.
    - a. Static Content.
    - b. Default Document.
    - c. Directory Browsing.
    - d. HTTP Errors.
    - e. HTTP Redirection.
  2. Application Development.
    - a. ASP.NET.
    - b. .NET Extensibility.
    - c. ISAPI Extensions.
    - d. ISAPI Filters.
  3. Security.
    - a. Basic Authentication.
    - b. Windows Authentication.
  4. Management Tools.
    - a. IIS Management Console.
    - b. IIS 6 Management Compatibility.
      - i. IIS 6 Metabase Compatibility.
      - ii. IIS 6 WMI Compatibility.
      - iii. IIS 6 Scripting Tools.
      - iv. IIS 6 Management Console.

### How to install and confirm the installation of the required Internet Information Service components on Windows Server 2008

1. In Windows, press the *Start* button.
2. Click *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel*, open *Programs and Features*.
5. In the *Programs and Features* window, select the *Turn Windows features on or off* link in the left hand side column. If you have User Access Control turned on, you will be prompted to give Windows the permission to continue. It is safe to give this permission.
6. The *Server Manager* window will appear.
7. Expand the *Roles* node on the left by left-clicking the *plus (+)* symbol to the left of *Roles* in the *Server Manager* window.
8. Under *Roles*, attempt to locate the *Web Server (IIS)* node. If it is present you can jump to step 23. If not, continue on to step 9.
9. Right-click on the *Roles* node. On the context menu that appears select *Add Roles*. The *Add Roles Wizard* window should appear.
10. You may have an introduction entitled *Before You Begin*. If you have this, press the *Next >* button at the bottom right of the window. The window entitled *Select Server Roles* should appear.
11. Find the *Web Server (IIS)* check box node. *Tick* the check box to the left of this node.

12. Press the *Next >* button at the bottom right of the *Select Server Roles* window.
13. A window entitled *Web Server (IIS)* should appear. This contains an introduction to IIS.
14. Press the *Next >* button at the bottom right of the *Web Server (IIS)* window.
15. A window entitled *Select Role Services* should appear.
16. Press the *Next >* button at the bottom right of the *Select Role Services* window.
17. A window entitled *Confirm Installation Selection* should appear.
18. Press the *Install* button at the bottom right of the *Confirm Installation Selection* window.
19. A window entitled *Installation Progress* will appear. Wait for IIS to install.
20. A window *Installation Results* entitled will appear.
21. Press the *Close* button at the bottom right of the *Installation Results* window.
22. Back on the Server Manager window make sure the *Roles* node is expanded. If not, expand it by left-clicking the *plus (+)* symbol to the left of *Roles*.
23. Right-click the *Web Server (IIS)* node under *Roles*.
24. On the context menu that appears, select *Add Role Services*.
25. The *Add Role Services* window should appear.
26. Under the *Common HTTP Features* node items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  1. Static Content.
  2. Default Document.
  3. Directory Browsing.
  4. HTTP Errors.
  5. HTTP Redirection.
27. Under the *Application Development* node items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  1. ASP.NET.
  2. .NET Extensibility.
  3. ISAPI Extensions.
  4. ISAPI Filters.
28. Under the *Security* node items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  1. Basic Authentication.
  2. Windows Authentication.
29. Under the *Management Tools* node items that are already installed will be *ticked*. If the following items are not *ticked*, go ahead and *tick* them.
  1. IIS Management Console.
  2. IIS 6 Management Compatibility.
    - v. IIS 6 Metabase Compatibility.
    - vi. IIS 6 WMI Compatibility.
    - vii. IIS 6 Scripting Tools.
    - viii. IIS 6 Management Console.
30. If you didn't have to *tick* any options, press the *Cancel* button at the bottom right of the *Add Role Services* window as all the necessary components are already installed. You do not need to follow any further steps.
31. If you did tick one or more options, press the *Next >* button at the bottom right of the *Add Role Services* window.

32. The window entitled *Confirm Installation Selections* will appear.
33. Press the *Install* button at the bottom right of the *Confirm Installation Selections* window.
34. The window entitled *Installation Progress* will appear. Wait for your selections to install.
35. The window entitled *Installation Results* will appear.
36. Press the Close button at the bottom right of the *Installation Results* window.

## Microsoft .NET Framework version 2.0

The .NET Framework is Microsoft's managed code programming model for building applications that have visually stunning user experiences, seamless and secure communication, and the ability to model a range of business processes. Flynet software uses this Framework.

### Windows XP Professional

#### How to check if Framework 2.0 is installed on Windows XP Professional

There are several ways to check if Framework 2.0 is installed in Windows XP.

1. In Windows, press the *Start* button.
2. Click *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. In the *Control Panel* window, open *Administrative Tools*.
5. In the *Administrative Tools* window, check to see if there is an Icon for Microsoft.NET Framework 2.0 configuration.
6. If this Icon is not present then you probably need to install Microsoft.NET Framework 2.0.

#### How to install Framework 2.0 on Windows XP Professional

Framework 2.0 is freely distributable and is available for download from Microsoft, you will need access to the internet to be able to download Framework 2.0.

1. When in your Internet browser enter the URL <http://www.microsoft.com/downloads>
2. In the Search text box on the top right of the page type *Framework 2.0*.
3. The version for Windows XP Professional will be listed as *Download details: .NET Framework Version 2.0 Redistributable Package...*
4. Click on this link. It will take you to the download page. The page should be entitled Microsoft .NET Framework Version 2.0 Redistributable Package (x86).
5. Click on the *Download* button to the left, it is safe to click *run*, if you click *run* then the executable file you should be running is called *dotnetfx.exe*.
6. The executable file *dotnetfx.exe* will now download from the Microsoft site.
7. Click *run* again if the Security warning dialogue box appears.
8. The files required will now be extracted and a Microsoft Framework 2.0 wizard will appear.
9. Click *Next* to begin the installation.
10. Click the check box to accept the terms of the licence agreement and click *Install*;
11. A dialogue box will appear that will check your system configuration if any errors are encountered please check that the Software requirements listed:
  - Windows Installer 3.0 or later
  - IE 5.1 or later.

## Windows Server 2003

### How to check if Framework 2.0 is installed on Windows Server 2003

1. In Windows, press the *Start* button.
2. Select *Control Panel* on the start menu.
3. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
4. Once *Control Panel* is selected, select *Administrative Tools*.
5. In the *Administrative Tools* panel, check to see if there is an Icon for *Microsoft.NET Framework 2.0 configuration*.
6. If this Icon is not present then you probably need to install Microsoft.NET Framework 2.0.

### How to install Framework 2.0 on Windows Server 2003

1. When in your Internet browser enter the URL <http://www.microsoft.com/downloads>
2. In the Search text box on the top right of the page type *Framework 2.0*
3. The version for Windows XP Professional will be listed as *Download details: .NET Framework Version 2.0 Redistributable Package...*
4. Click on this link. It will take you to the download page. The page should be entitled Microsoft .NET Framework Version 2.0 Redistributable Package (x86).
5. Click on the *Download* button to the left, it is safe to click *run*, if you click *run* then the executable file you should be running is called *dotnetfx.exe*.
6. The executable file *dotnetfx.exe* will now download from the Microsoft site.
7. Click *run* again if the Security warning dialogue box appears.
8. The files required will now be extracted and a Microsoft Framework 2.0 wizard will appear.
9. Click *Next* to begin the installation.
10. Click the check box to accept the terms of the licence agreement and click *Install*.
11. A dialogue box will appear that will check your system configuration if any errors are encountered please check that the Software requirements listed:
  - a. Windows Installer 3.0 or later
  - b. IE 5.1 or later.

## Windows Vista and Server 2008

Microsoft Windows Vista and Server 2008 have .NET Framework version 2.0 available as a standard Windows feature. Confusingly Windows refers to Microsoft .NET Framework 3.0. Frameworks 3.0 and 3.5 extend 2.0 by adding new features. They are 100% backwards compatible. You do not need to install 2.0 as well.

## Microsoft ASP.NET version 2.0 configured to work with IIS

Microsoft ASP.NET is a technology that allows programmers to create dynamic web applications. ASP.NET can be used to create anything from small, personal websites through to large, enterprise-class web applications. Flynet generated Web Services use this technology.

### Windows XP Professional

Sometimes although Internet Information Services (IIS) and Framework 2.0 are installed they may not be configured correctly. You may encounter problems with Web Services not displaying in a browser window correctly, messages such as *Server Application not available* or similar will be displayed.

#### How to configure Microsoft Framework 2.0 to work with IIS on Windows XP

1. In Windows, press the *Start* button.
2. Select *All Programs* from the *Start* menu.
3. Select *Accessories* on the *All Programs* menu.
4. Select the *Command Prompt* on the *Accessories* menu.
5. The *Command Prompt* window will appear.
6. Inside the *Command Prompt* window, type the following commands followed by the *[ENTER]* key at the end of each line.

```
%systemdrive%  
cd %systemroot%  
cd Microsoft.NET  
cd Framework  
dir
```

7. The *dir* command will list the contents of the folder.
8. The installed Framework versions should be listed. There should be an entry for *V2.0.50727*. This is the directory for Framework 2.0.
9. Inside the *Command Prompt* window, continue to type the following commands followed by the *[ENTER]* key at the end of each line.

```
cd v2.0.50727  
aspnet_regiis -i
```

10. A message will appear *Start installing ASP.NET <V2.0.50727>* and shortly after *Finished installing ASP.NET <V2.0.50727>*.
11. Inside the *Command Prompt* window, continue to type the following commands followed by the *[ENTER]* key at the end of each line.

```
exit
```

1. Type *Exit* to exit the *Command prompt* ASP.NET is now configured to work with IIS

## Windows Server 2003

Sometimes although Internet Information Services (IIS) and Framework 2.0 are installed they may not be configured correctly. You may encounter problems with Web Services not displaying in a browser window correctly, messages such as *Server Application not available* or similar will be displayed.

### How to configure Microsoft Framework 2.0 to work with IIS on Windows Server 2003

12. In Windows, press the *Start* button.
13. Select *All Programs* from the *Start* menu.
14. Select *Accessories* on the *All Programs* menu.
15. Select the *Command Prompt* on the *Accessories* menu.
16. The *Command Prompt* window will appear.
17. Inside the *Command Prompt* window, type the following commands followed by the *[ENTER]* key at the end of each line.

```
%systemdrive%  
cd %systemroot%  
cd Microsoft.NET  
cd Framework  
dir
```

18. The *dir* command will list the contents of the folder.
19. The installed Framework versions should be listed. There should be an entry for *V2.0.50727*. This is the directory for Framework 2.0.
20. Inside the *Command Prompt* window, continue to type the following commands followed by the *[ENTER]* key at the end of each line.

```
cd v2.0.50727  
aspnet_regiis -i
```

21. A message will appear *Start installing ASP.NET <V2.0.50727>* and shortly after *Finished installing ASP.NET <V2.0.50727>*.
22. Inside the *Command Prompt* window, continue to type the following commands followed by the *[ENTER]* key at the end of each line.

```
exit
```

23. Windows Server 2003 has Internet Information Services (IIS) version 6.0 installed so a further check is necessary to configure ASP.NET to work with IIS.
24. In Windows, press the *Start* button.
25. Click *Control Panel* on the start menu.
26. In the *Control Panel* window, make sure you are in *Classic View*. The option to switch to *Classic View* (if applicable) will appear at the top left hand side of the *Control Panel*.
27. In the *Control Panel* window, open *Administrative Tools*.
28. In the *Administrative Tools* window, open *Internet Information Services (IIS)*.
29. Expand the server node by clicking on the *plus (+)* sign to the left of the IIS server name.
30. Click on the *Web Service Extensions* folder.
31. A list of Web Service Extensions should be displayed with the Web service Extension name and the status. Maximise the window if necessary.

32. The Web Service Extension *ASP.NET v2.0.50727* should be displayed. Check that this has the status *Allowed* next to it. If the status is *Prohibited* then you will need to set this to *Allowed*.

- a. To allow *ASP.NET v2.0.50727* click on the Web Service Extension and click on the *Allow* button to left of the *Web Service Extension* window.

33. Internet Information Services (IIS) is now configured to work with ASP.NET Framework 2.0.

### **Windows Vista and Server 2008**

Microsoft Windows Vista and Server 2008 have .NET Framework version 2.0 and ASP.NET as a standard Windows feature. If you have followed the steps in the previous sections of this installation guide, ASP.NET will be configured to work with IIS.

## Ready to Install Flynet

You can now go ahead and run the Flynet Web Service Generator *Setup.exe* to install the Flynet software.

### How to install Flynet

1. Locate the *Setup.exe* file. This is in the *Xcelsius\_Engage\_30day\_trial\RTM\AddOns\Flynet* folder in the download zip file.
  - On Vista and Windows Sever 2008 it is important to make sure you select *Setup.exe* and not *Setup.msi*. *Setup.exe* is the file with the security shield on top of it.
2. Double click on *Setup.exe* to launch the installer. If you have User Access Control Windows will prompt for permission to continue. It is safe to give this permission.
3. The *Flynet Viewer Web Service Generator (Engage Server Edition)* window will eventually appear.
4. Press the *Next* button at the bottom right.
5. Read the *End User License Agreement*.
6. If you agree with the license, press the *I Agree* radio button. If you do not agree you cannot install the Flynet software.
7. Press the *Next* button at the bottom right.
8. A window entitled *Select Installation Folder* will appear.
9. You can change the installation folder if you wish. There is no need to. To change the installation folder use the *Browse* button. Do not install software on your *Desktop* or personal documents folders (such as *My Documents*).
10. Leave the radio button on *Everyone*.
11. Press the *Next* button at the bottom right.
12. A window entitled *Confirm Installation* will appear.
13. Press the *Next* button at the bottom right.
14. A window entitled *Installing Flynet Viewer Web Service Generator (Engage Server Edition)* will appear. Please wait for the software to install.
15. A window entitled *Installation Complete* will appear.
16. Press the *Close* button at the bottom right.

The Flynet software is now installed.

### Starting Flynet

On Windows XP you can start the software by pressing the *Start* button in Windows, selecting *All Programs, Flynet Viewer Web Service Generator (Enagage Server Edition)* and then *Flynet Viewer Web Service Generator (Enagage Server Edition)*.

On Windows Vista and Server 2008 you need to browse to the installation folder of the software as specified in step 9 above. The default is *C:\Program Files\Flynet\Flynet Viewer Web Service Generator - Engage Server Edition*. Right click *Flynet.WebServiceGenerator* file and select *Run as administrator*. Windows may prompt for permission to continue. It is safe to give this permission. The software has to run as an administrator as it needs to install web services into IIS.

You may be prompted to enter a key at this stage. This is your *Business Objects Xcelsius 2008 Engage Server* key.