



Print Job Web User 1.0 – User Guide

If you have any questions, please send email to support@printeradmin.com or fill out the form at <http://www.printeradmin.com/support.htm>.

Print Job Web User 1.0 is a web based addon for PrinterAdmin Print Job Manager. The installation of Print Job Web User 1.0 will create an intranet website within your network that allows admin to view all print jobs, add / delete a user or update user account information (print quota, PIN, group, user status) through a web browser. It also allows users to view and export their print jobs, check their account information or change pin through a web browser.

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Part I Prerequisites

PrinterAdmin Print Job Manager must be configured to use MS SQL database in Preferences -> Print Jobs -> Database. MS Access database is not supported by Print Job Web User 1.0.

The screenshot shows the 'Preferences' dialog box with the 'Print Jobs' tab selected. The 'Database' section is highlighted, showing 'SQL Server' selected as the database type. The 'Configure' button is also highlighted. Other sections include 'Printed Jobs', 'Waiting Jobs', and 'Miscellanea'.

Printed Jobs

- Show printed jobs by: User Printer Computer(Name) Computer(IP)
- Auto refresh printed jobs every seconds
- Optimize Printed Jobs
- Save the content of printed jobs for viewing
- Content directory: ...

Waiting Jobs

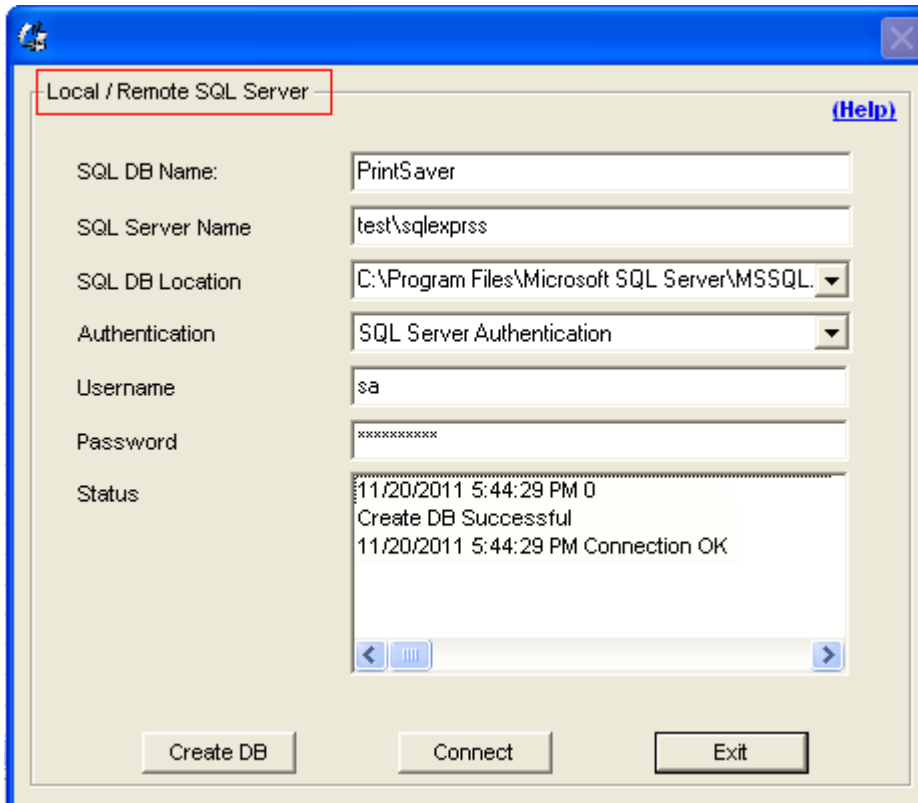
- Auto delete all waiting jobs at AM PM
- Auto delete the waiting job if it is held more than minutes
- Auto delete the first job on each printer if it is held more than minutes

Database

- MS Access SQL Server
- Auto backup and renew database if database size is greater than (MB OR Schedule)
- Current database directory:

Miscellanea

- Auto update database for reports at AM PM
- Auto create and email reports / create web reports
- Computer IP <-> Computer Name
- Printer IP <-> Printer Name
- Track Mac / Linux client
- Track only the printers in the list of Monitored Printers under Printers tab
- Enable password for Preferences and content viewing
- Remote Account Manager password:



If you don't use a SQL server in your environment, you can download and install the free edition of SQL Server Express 2008 from Microsoft website. Please see [Part II Installation Instructions - Step 2 Install SQL Server \(or free SQL Express Edition\)](#) and <http://www.printeradmin.com/printer-manager-database.htm> .

Part II Installation Instructions

Step 1 Install IIS and ASP.NET

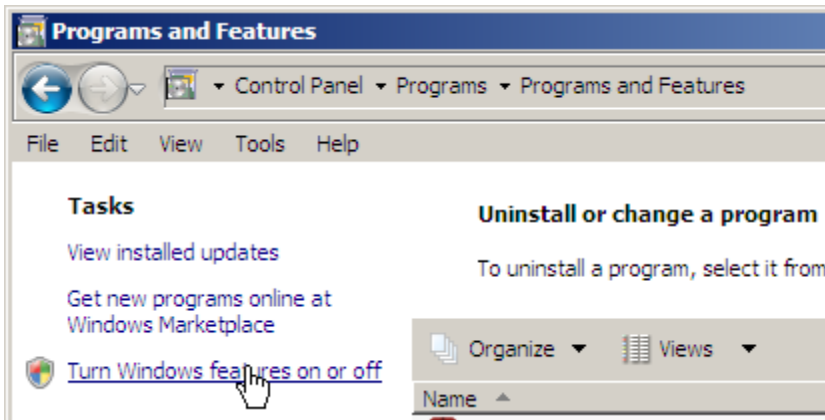
[Option 1: Print Job Web User 1.0 will be installed on Windows Vista, Windows8, Windows 7 or Windows Server 2008](#)

[Option 2: Print Job Web User 1.0 will be installed on Windows 2000, Windows XP or Windows 2003](#)

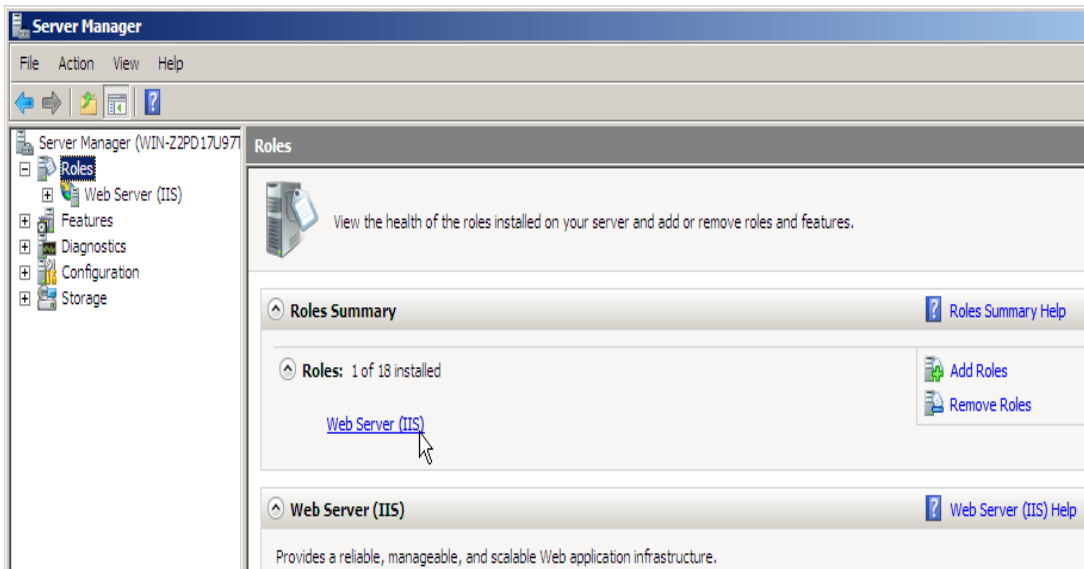
[Enable HTTP access through Windows Firewall so that other machines can access it](#)

Option 1: Print Job Web User 1.0 will be installed on Windows Vista, Windows8, Windows 7 or Windows Server 2008

Go to Control Panel -> Programs -> Programs and Features and, on the left menu, click Turn Windows features on or off.



For Windows 2008 server, Add Web Server Role if needed, and click on it to configure.



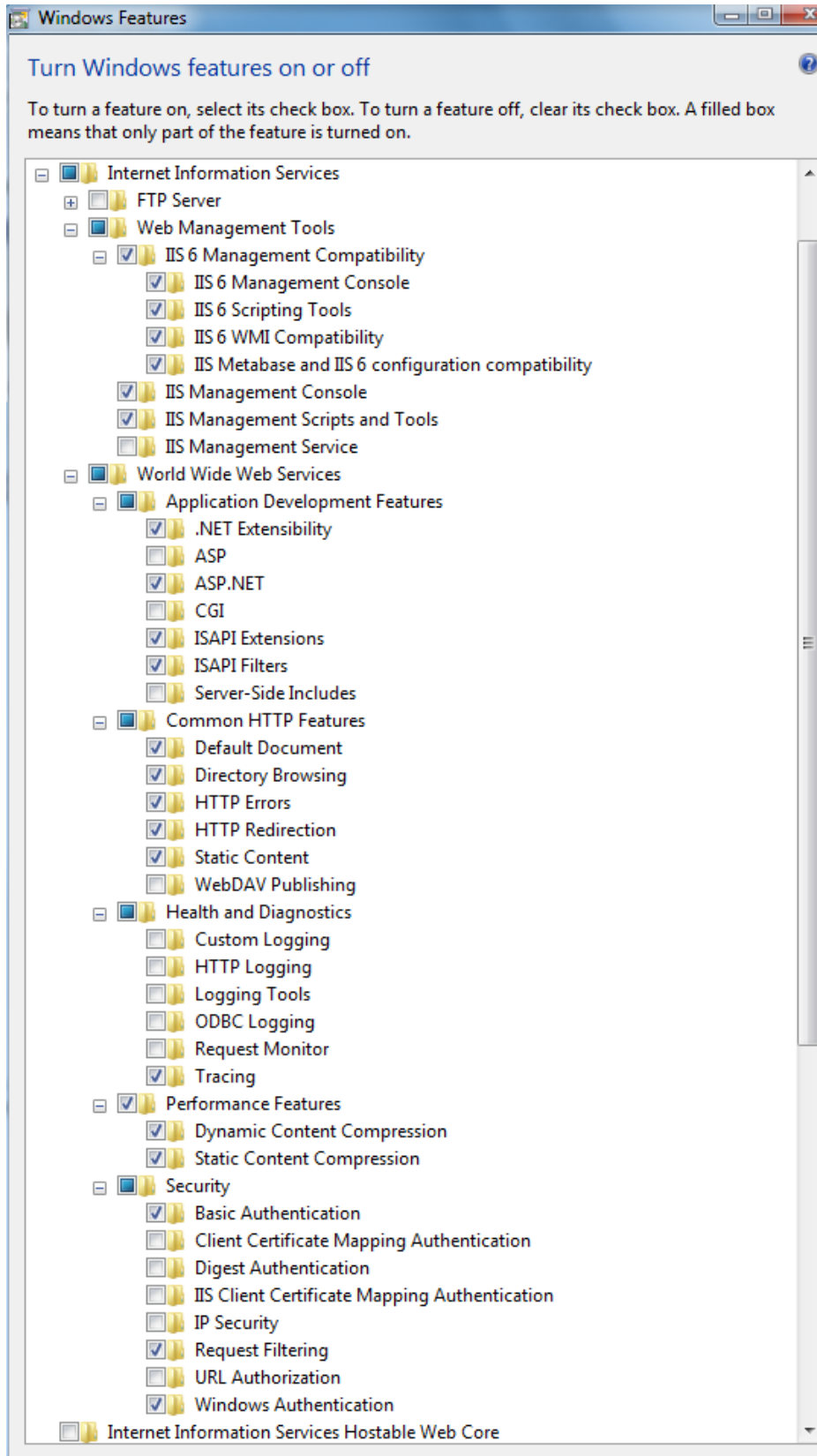
Select all Web Server role service required for ASP.NET application hosting as on the screenshot below. Please pay special attention to the "Application Development" and "Management Tools" sections.

Windows 2008 server screenshot

The screenshot shows the Windows Server Manager interface for a server named 'WIN-Z2PD17U97'. The 'Web Server (IIS)' role is selected, and its 'Role Services' are listed in a table. The table shows 29 installed services. The 'Application Development' and 'Management Tools' sections are highlighted with green arrows, indicating they are selected for installation.

Role Service	Status
Web Server	Installed
Common HTTP Features	Installed
Static Content	Installed
Default Document	Installed
Directory Browsing	Installed
HTTP Errors	Installed
HTTP Redirection	Not installed
Application Development	Installed
ASP.NET	Installed
.NET Extensibility	Installed
ASP	Not installed
CGI	Not installed
ISAPI Extensions	Installed
ISAPI Filters	Installed
Server Side Includes	Not installed
Health and Diagnostics	Installed
HTTP Logging	Installed
Logging Tools	Not installed
Request Monitor	Installed
Tracing	Not installed
Custom Logging	Not installed
ODBC Logging	Not installed
Security	Installed
Basic Authentication	Installed
Windows Authentication	Installed
Digest Authentication	Not installed
Client Certificate Mapping Authentication	Not installed
IIS Client Certificate Mapping Authentication	Not installed
URL Authorization	Not installed
Request Filtering	Installed
IP and Domain Restrictions	Not installed
Performance	Installed
Static Content Compression	Installed
Dynamic Content Compression	Installed
Management Tools	Installed
IIS Management Console	Installed
IIS Management Scripts and Tools	Installed
Management Service	Not installed
IIS 6 Management Compatibility	Installed
IIS 6 Metabase Compatibility	Installed
IIS 6 WMI Compatibility	Installed
IIS 6 Scripting Tools	Installed
IIS 6 Management Console	Installed

Windows 7 Screenshot

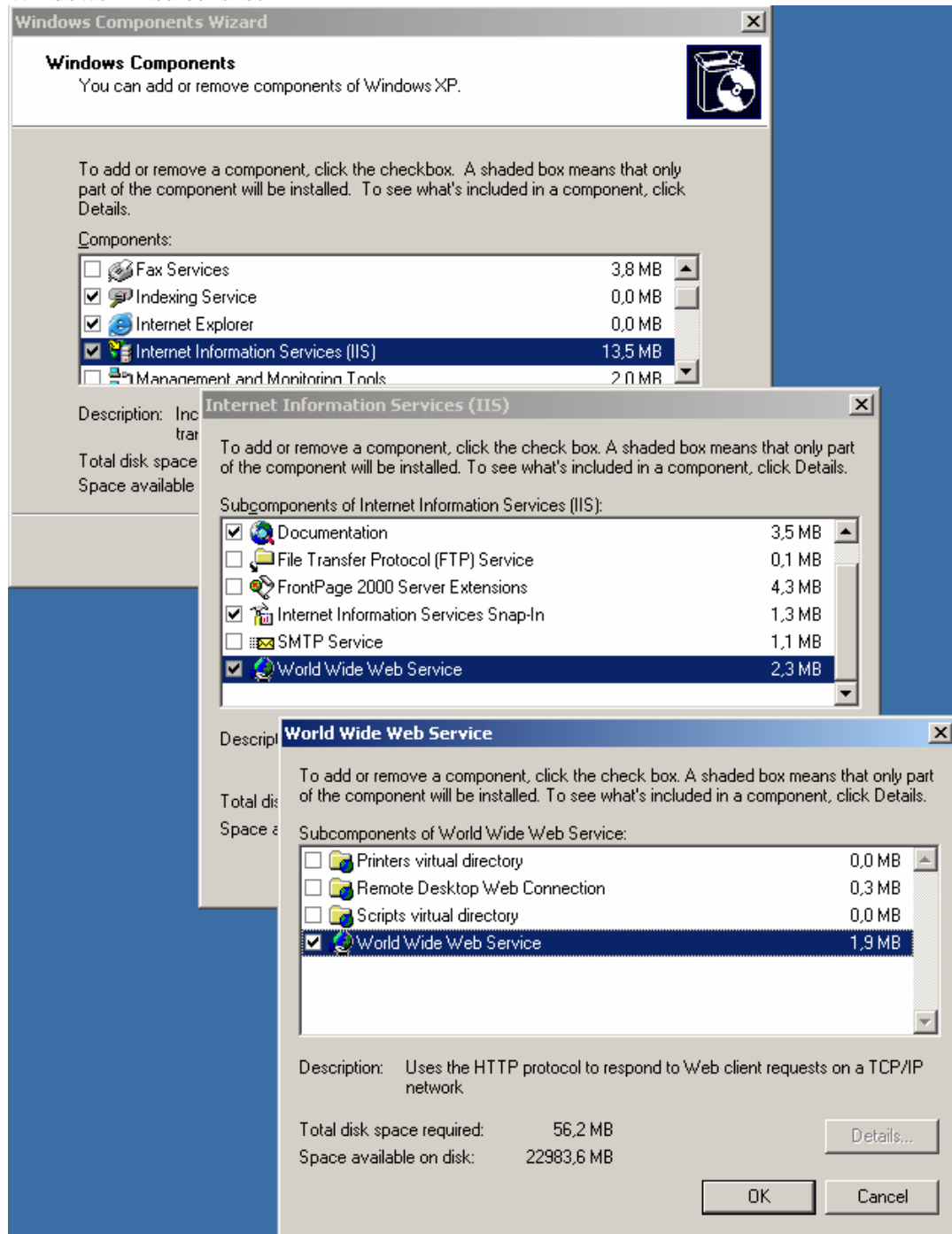


Option 2: Print Job Web User 1.0 will be installed on Windows 2000, Windows XP or Windows 2003

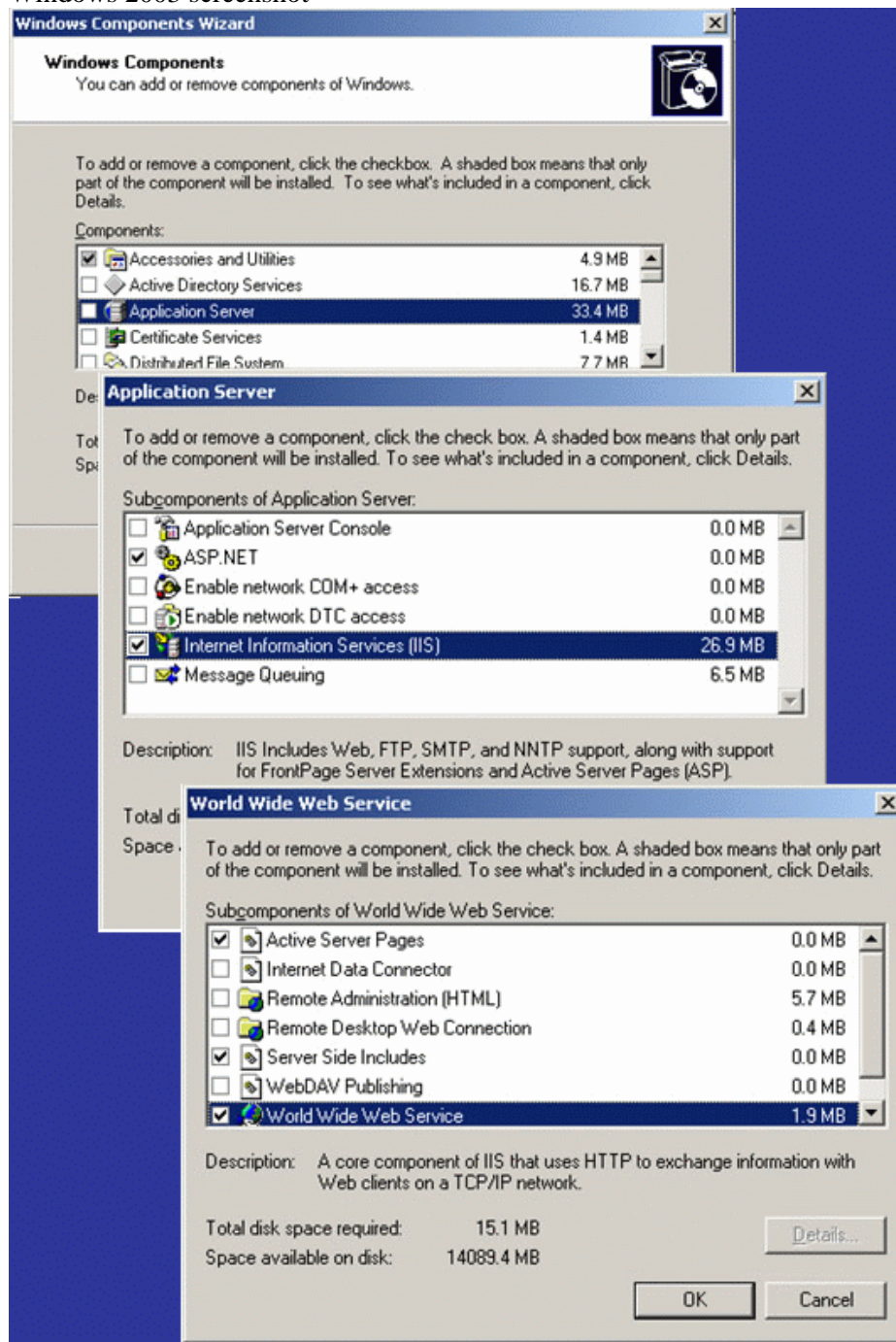
Go to Settings -> Control Panel -> Add or Remove Programs -> Add/Remove Windows Components. Select "Internet Information Services", and select required components

In Windows 2000 Server IIS is installed by default as part of the operating system.

Windows XP screenshot



Windows 2003 screenshot



Enable HTTP access through Windows Firewall so that other machines can access it

If you have a software firewall installed on your server, you will need to add exceptions for the World Wide Web Services (HTTP). If you are using Windows Firewall, do the following:

1. In Control Panel, open the Windows Firewall applet.
2. Click "Allow a program through Windows Firewall".
3. Scroll the bottom of the list and look for World Wide Web Services (HTTP) and enable it on your networks.

Step 2 Install SQL Server (or free SQL Server Express Edition)

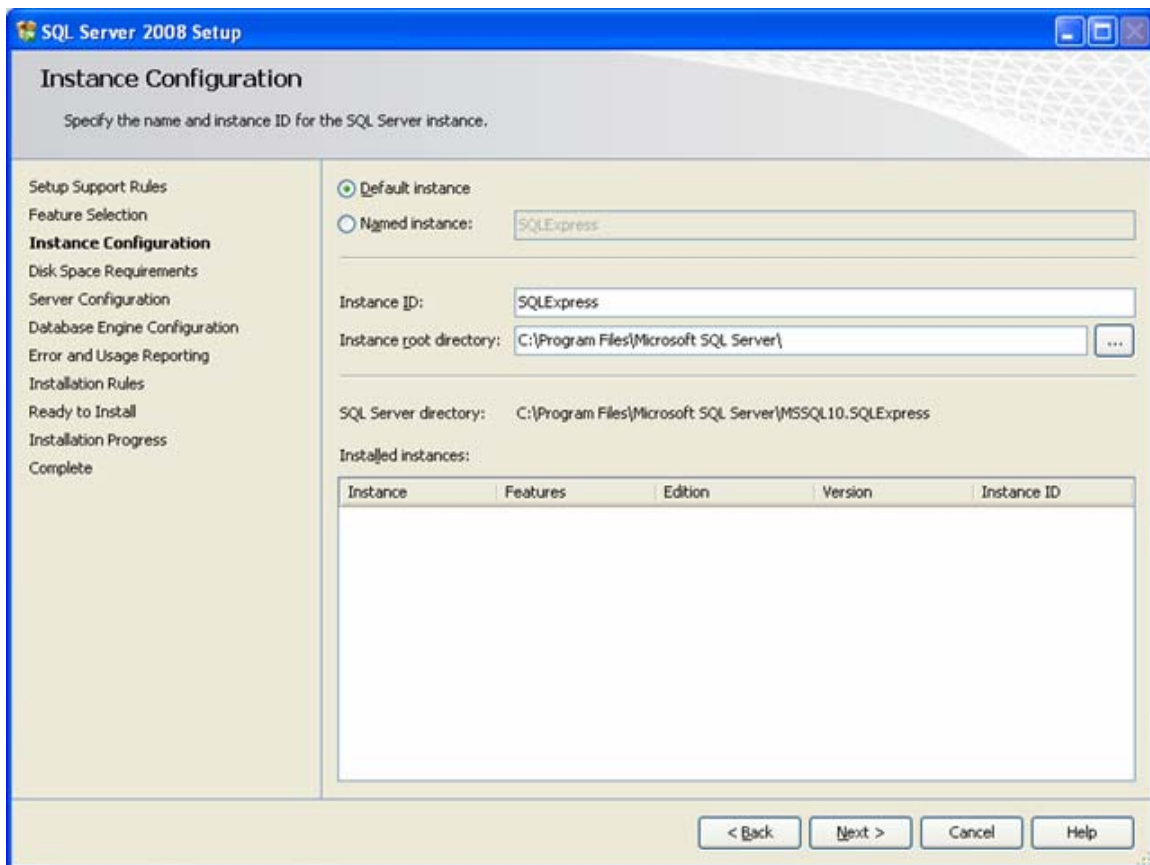
We use SQL Server Express 2008 as example.

1. Download SQL Server 2008 Express

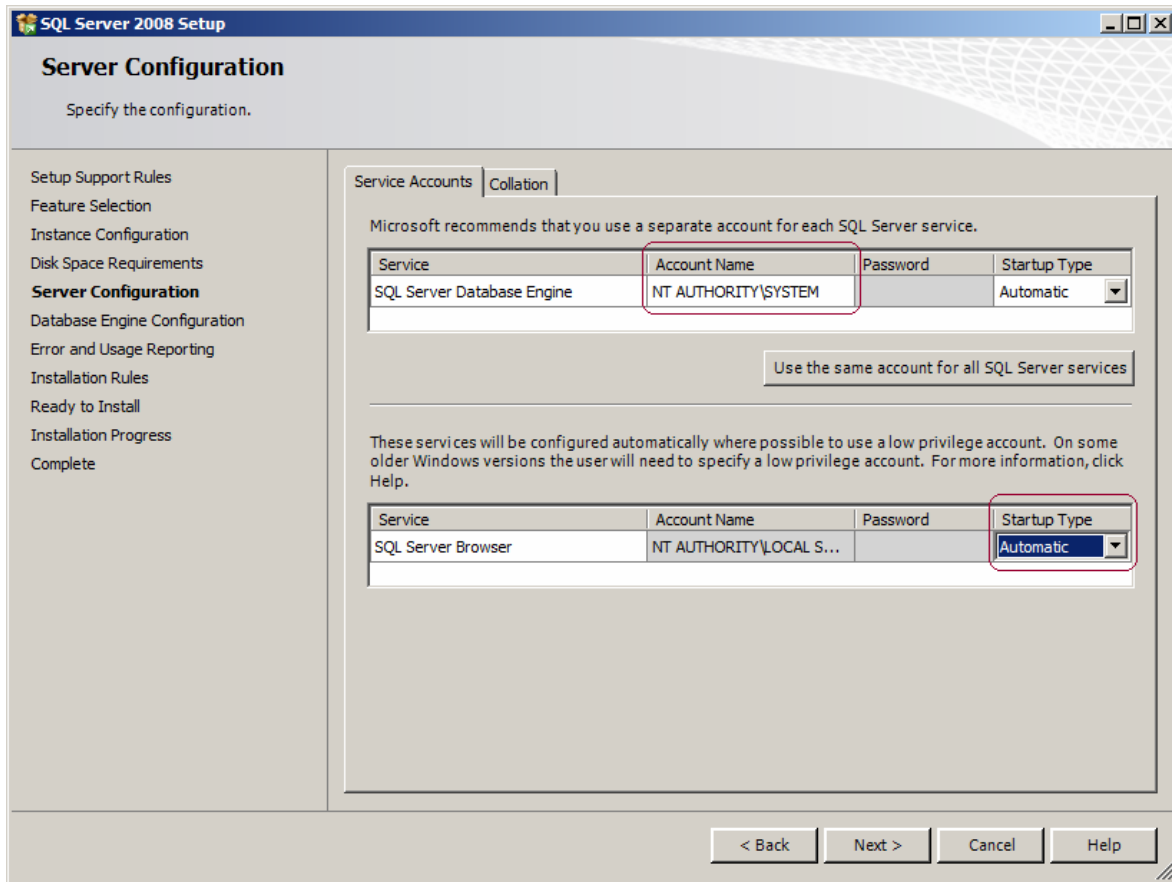
First, you will need to download SQL Server 2008 Express with management tools from <http://go.microsoft.com/?linkid=9394725>

2. Install SQL Server 2008 Express

1. Run SQLEXPRT_x86_ENU.EXE (or SQLEXPRT_x64_ENU) to install SQL 2008 Express.
2. Select "New SQL Server stand-alone installation or add features to an existing installation"
3. In the "Feature Selection" page, select "Database Engine Services" and "Management Tools - Basic".
4. In the "Instance Configuration" page, select option "Default instance".



5. In the "Server Configuration" page, change the SQL Server Database Engine's Account Name to "NT AUTHORITY\SYSTEM" and SQL Server Browser's Startup Type to Automatic.



6. On the Database Engine Configuration page, configured to use Mixed Mode (SQL Server authentication and Windows authentication), then enter and confirm a password for the **sa** account.
7. Before you can continue, you will need to specify the group(s) that you want to have unrestricted access to SQL Server. Click "Add..." and select the group(s). We recommend that you at least add Administrators and the "Current User" (Service Account).
8. When the installer completes, click Next and then Close.

3. Enable TCP/IP

Now that SQL 2008 Express is installed, we need to configure the Network options that are disabled by default.

1. In the Start Menu, open Programs > Microsoft SQL Server 2008 > Configuration Tools > SQL Server Configuration Manager
2. Expand "SQL Server Network Configuration" and select Protocols.
3. Enable TCP/IP. If you need Named Pipes, then you can enable them here as well.
4. Close the SQL Server Configuration Manager.

4. Add Firewall Exceptions

If you have a software firewall installed on your server, you will need to add exceptions for the SQL Server and SQL Browser services. If you are using Windows Firewall, do the following:

1. In your Control Panel, open the Windows Firewall applet.
2. Go to the Exceptions tab.
3. Click Add Program
4. Browse to and select "C:\Program Files\Microsoft SQL Server\MSSQL.10.SQLEXPRESS\MSSQL\Binn\sqlservr.exe"
5. Click OK.
6. Click Add Program
7. Browse to and select "C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe" (On Windows 2008 64-bit, browse to "C:\Program Files (x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe")
8. Click OK and then click OK again.

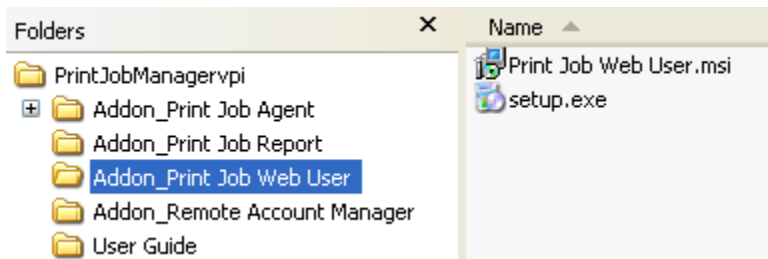
If you are using a third-party software firewall, you will need to follow their instructions to add exceptions to sqlservr.exe and sqlbrowser.exe.

5. Restart the Services or Reboot the Server

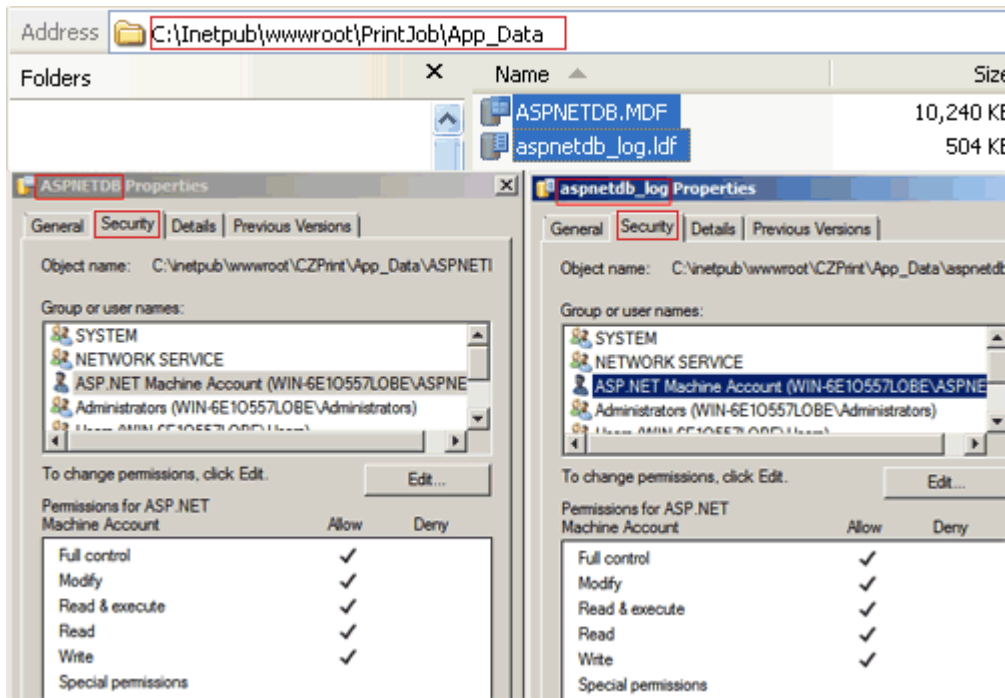
When you have completed all of these steps, you will need to restart the SQL Server and SQL Browser services to complete the process. If you still have problems, you may need to restart your server.

Step 3 Install and Configure Print Job Web User 1.0

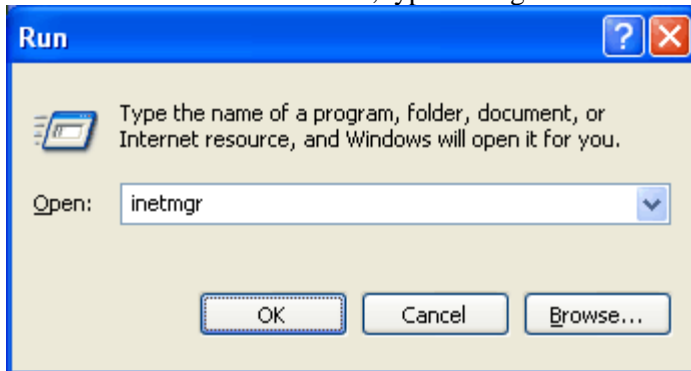
1. Double click setup.exe (or Print Job Web User.msi) to install Print Job Web User 1.0.



2. After installation completes, go to inetpub folder (for example c:\inetpub\wwwroot\printjob\app_data, right click ASPNETDB, select Properties -> Security, Add user "ASPNET" full control permission. Repeat this for aspnetdb_log.



3. Click Windows Start -> Run, type inetmgr .



4. Configure the connection string and web site title.

There are two connection strings:

1. LocalSqlServer: data source=.\SQLEXPRESS;Integrated Security=SSPI;AttachDBFilename=|DataDirectory|aspnetdb.mdf;User Instance=true or data source=.;Integrated Security=True;AttachDBFilename=|DataDirectory|aspnetdb.mdf

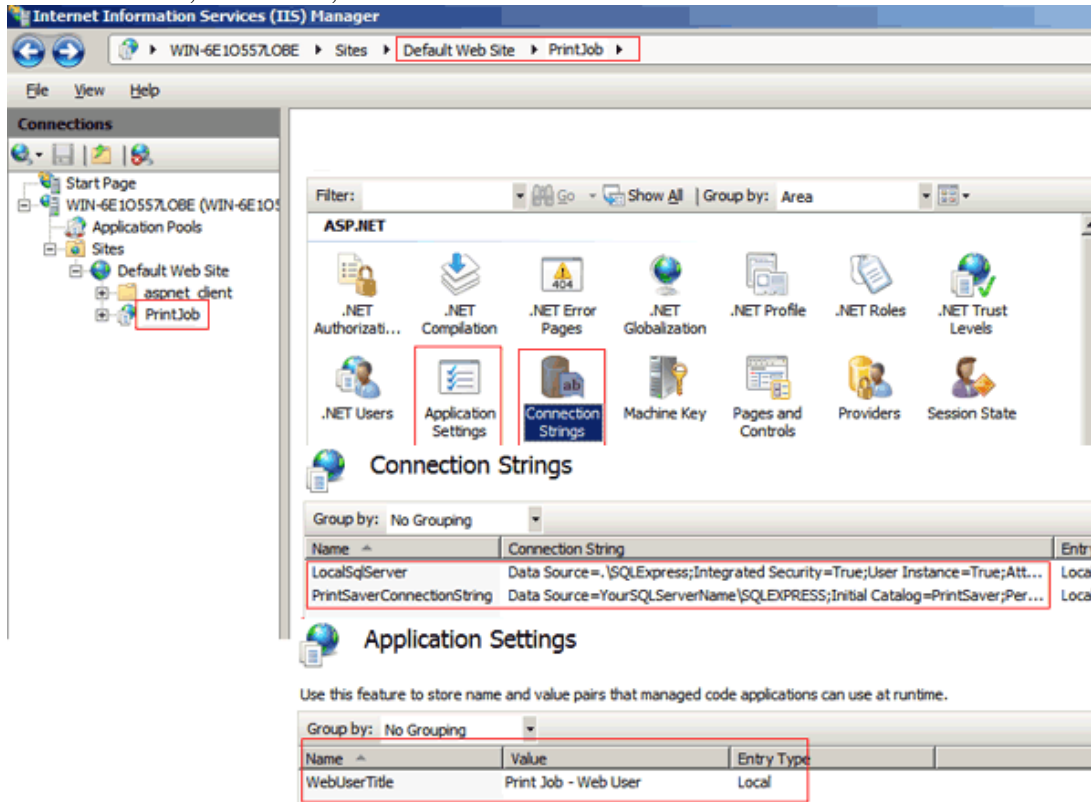
The localSqlServer connection string is to attach the aspnetdb.mdf in app_data folder (for example: c:\inetpub\wwwroot\printjob\app_data\aspnetdb.mdf) to the local SQL server express we installed on this computer in above [step 2 Install SQL Server \(or free SQL Server Express Edition\)](#). The **SQLEXPRESS** can be replaced with your SQL instance name if it has a different name.

2. PrintSaverConnectionString: Data Source=**YourSQLServerName**\SQLEXPRESS;Initial Catalog=PrintSaver;Persist Security Info=True;User ID=**UserName**;Password=**Password** or Data Source=**YourSQLServerName**;Initial Catalog=PrintSaver;Persist Security Info=True;User ID=**UserName**;Password=**Password**

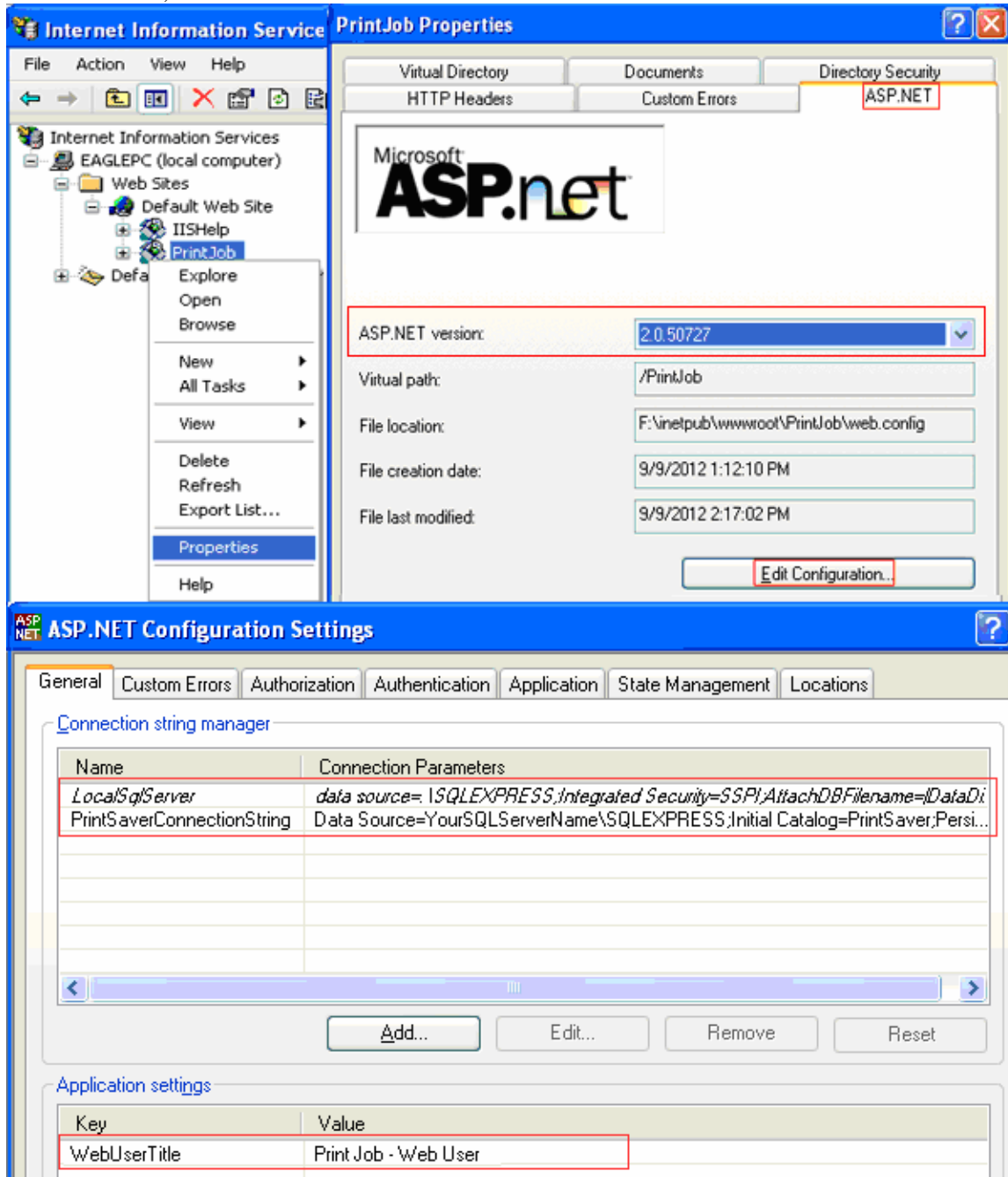
The PrintSaverConnectionString is to connect to a local or remote SQL Server Express (or SQL Server).It is the same connection string for PrinterAdmin Print Job Manager to connect to the SQL database at [Part I Prerequisites](#). "**YourSQLServerName**", "**SQLEXPRESS**", "**UserName**" and "**Password**" can to be replaced with the connection string in PrinterAdmin Print Job Manager.

The WebUserTitle is the head title in each web page. You can change it to any name you like.

Windows Vista, Windows8, Windows 7 or Windows Server 2008 screenshot

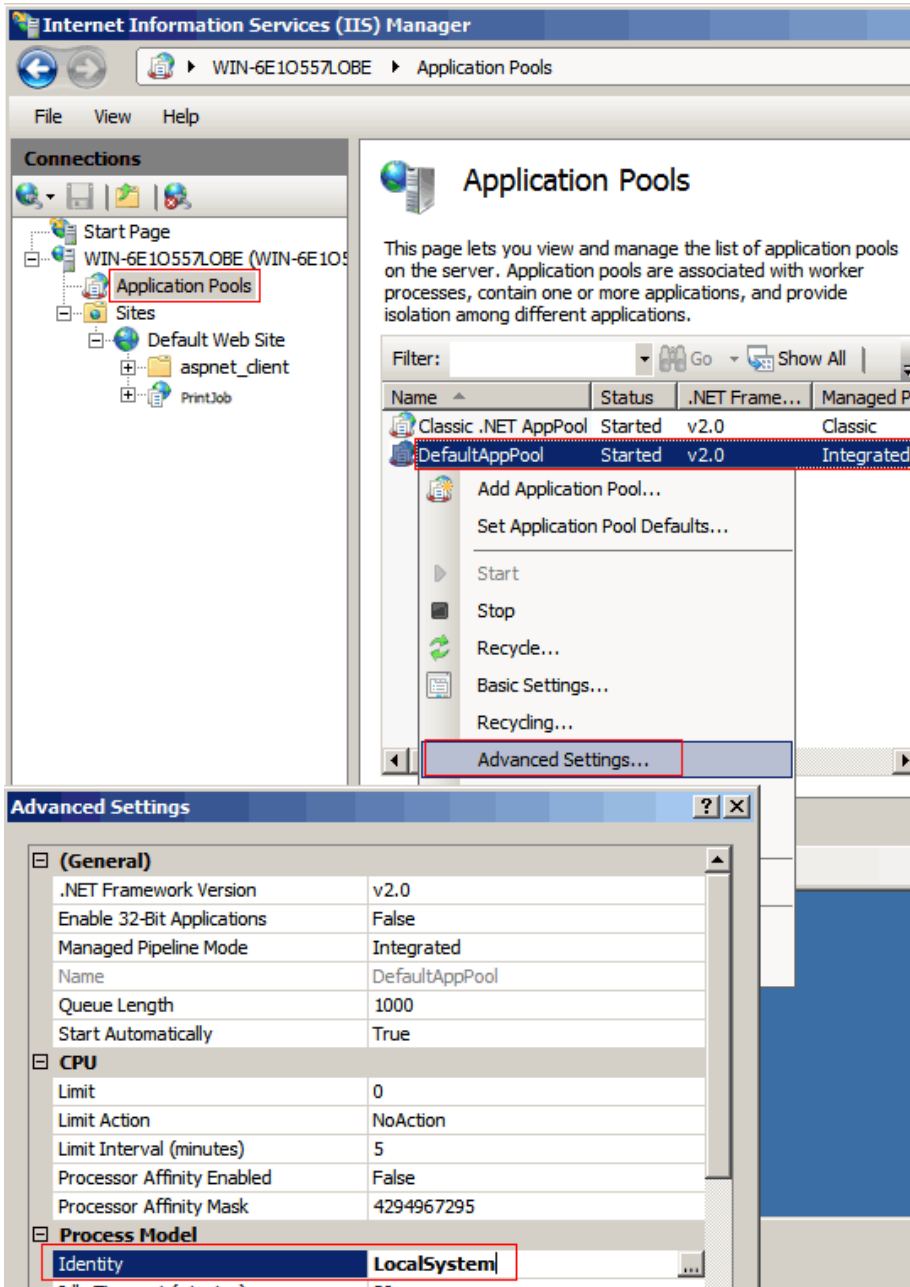


Windows 2000, Windows XP or Windows 2003 screenshot



Additional configuration may be required for IIS on Windows Vista, Windows8, Windows 7 or Windows Server 2008

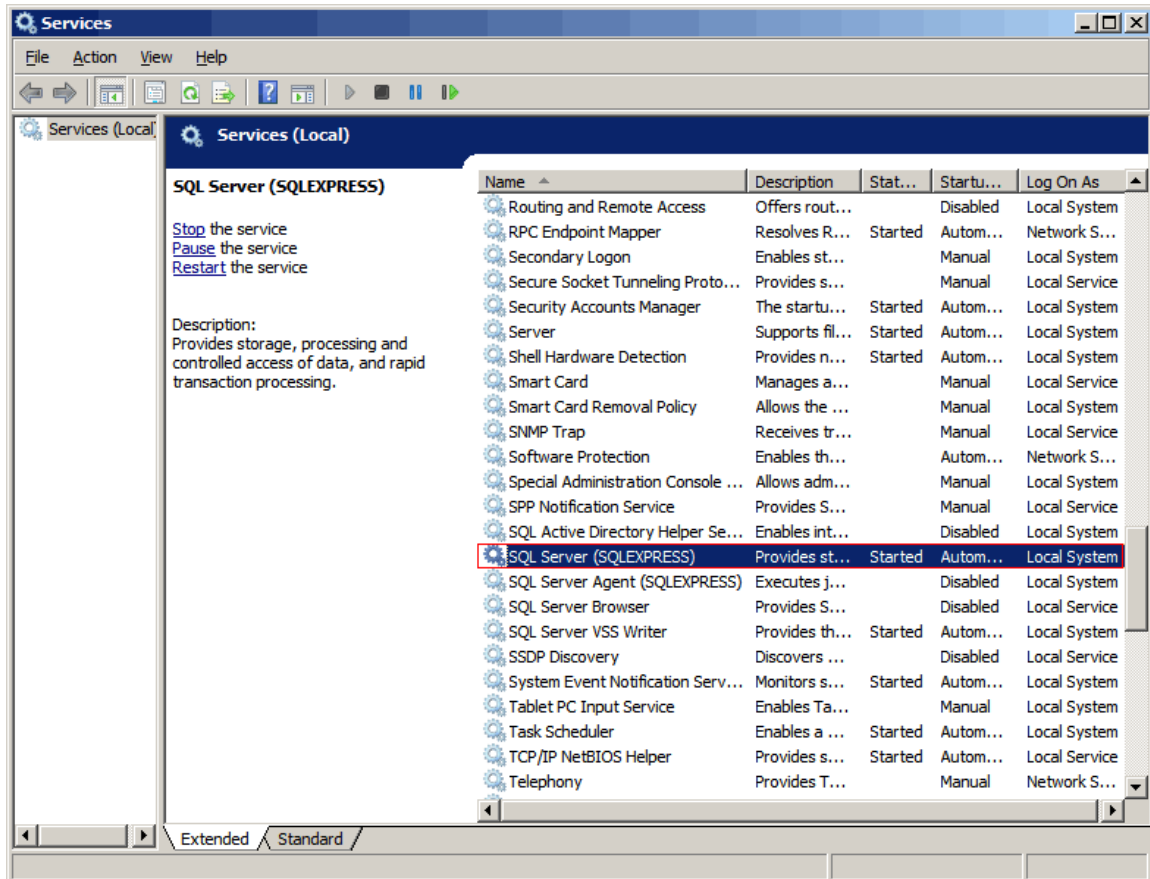
Click “Application Pools” in the left panel, then right click DefaultAppPool -> Advanced Settings, change the Identity to LocalSystem.



In [Step 2 Install SQL Server \(or free SQL Express Edition\)](#), we selected “Local System” account to run SQL Server Database Engine. If the identity “LocalSystem” is not selected for DefaultAppPool, you may get the error “Failed to generate a user instance of SQL Server due to failure in retrieving the user's local application data path. Please make sure the user has a local

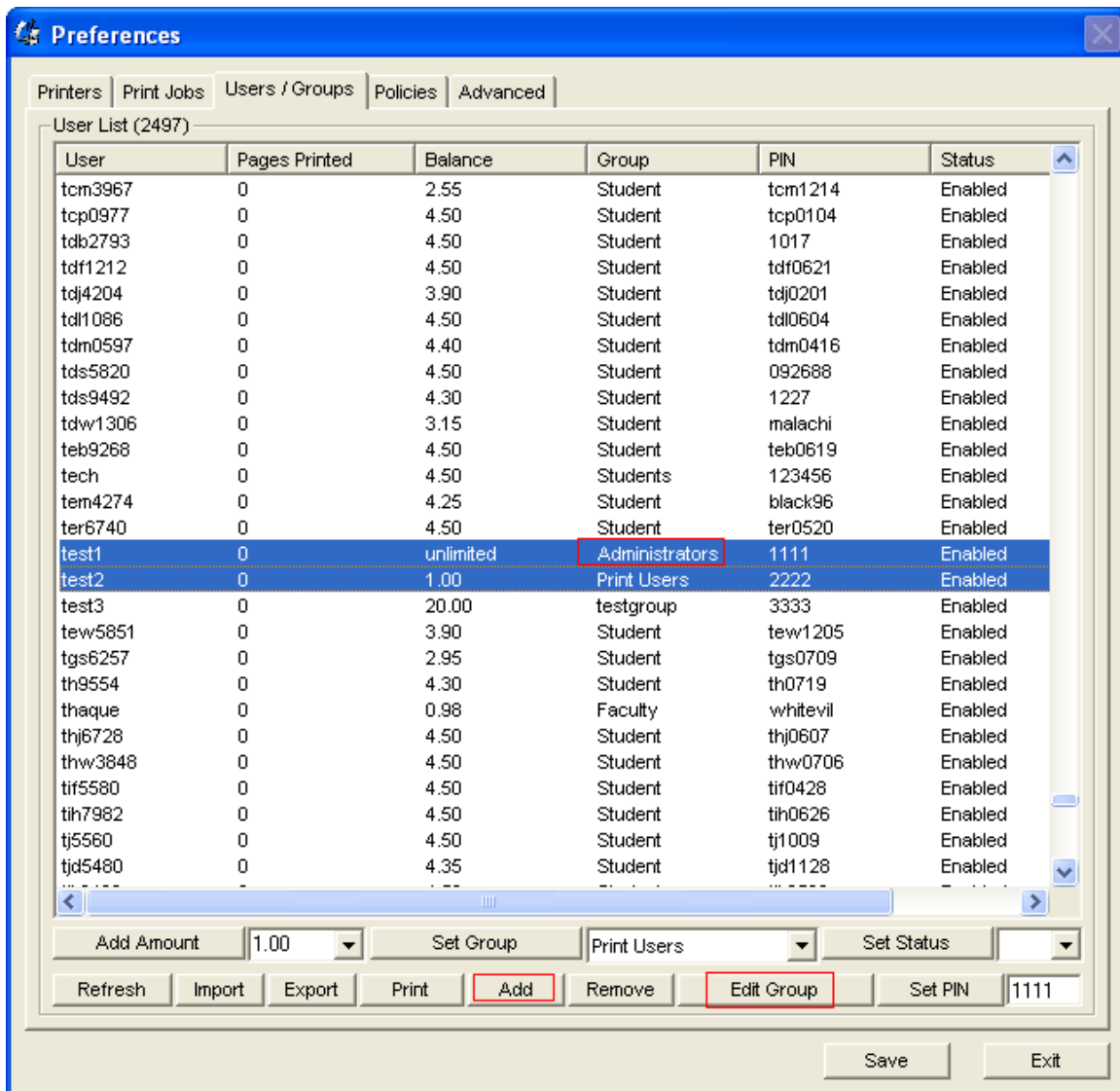
user profile on the computer. The connection will be closed.” in [Step 4 Test Print Job Web User 1.0](#).

You may also use “Network Service” for both SQL Server Database Engine and DefaultAppPool.

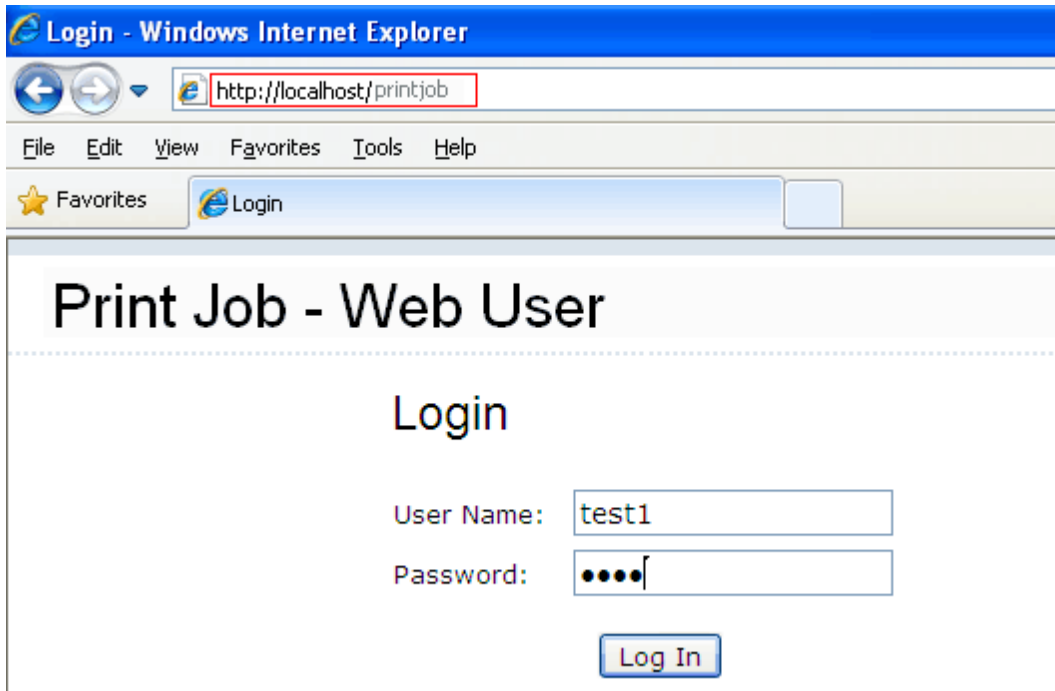


Step 4 Test Print Job Web User 1.0

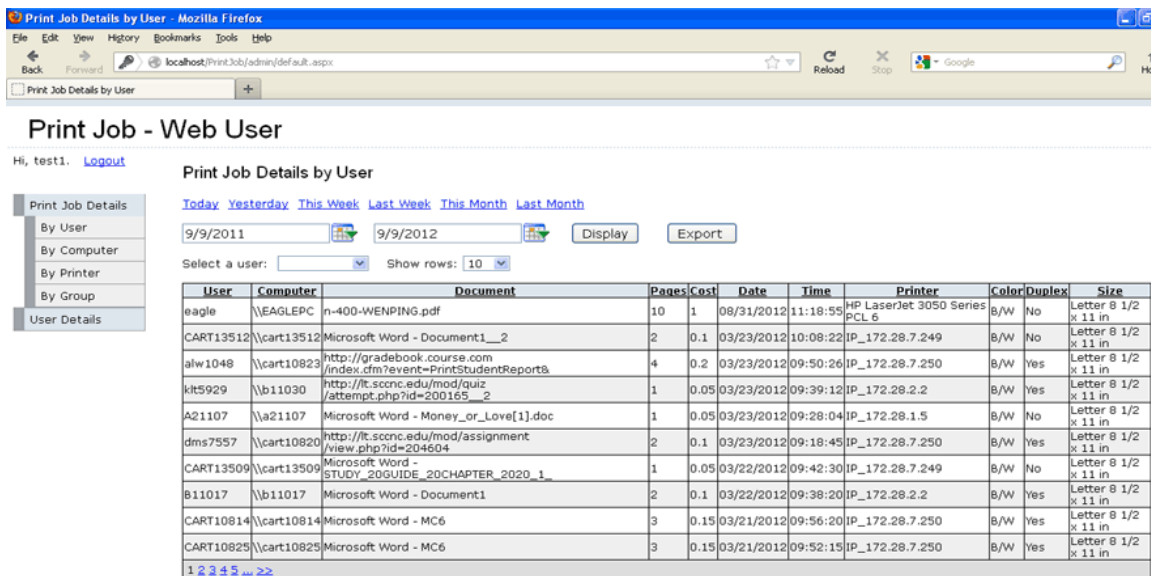
1. In PrinterAdmin Print Job Manager Preferences -> Users / Groups, click “Edit Group”, add a new group “Administrators” and exit. Click “Add” button to create two users: test1 with password 1111 and test2 with password 2222. test1 is in ‘Administrators’ group and test2 is in ‘Print Users’.



2. On the computer that has Print Job Web User 1.0 installed, open the web browser, type <http://localhost/printjob>, then type test1 and password 1111 to login.



test1 in “administrators” group can see all print jobs and all users. The user in other groups can see only that user’s print job and account information.



Print Job - Web User

Hi, test1. [Logout](#)

User Details

Select a user: Show rows:

User	Balance	Group	PIN	Status
1110	23	Print Users	1110	Enabled
1111	unlimited	Print Users		Enabled
A20101	-0.50	Labs		Disabled
A20102	-0.05	Labs		Disabled
A20103	-0.05	Labs		Disabled
A20104	0.00	Labs		Disabled
A20105	-0.60	Labs		Disabled
A20106	0.00	Labs		Disabled
A20107	-0.05	Labs		Disabled
A20108	0.00	Labs		Disabled

[1](#) [2](#) [3](#) [4](#) [5](#) ... [22](#)

User	1110
Balance	23
Group	Print Users
PIN	1110
Status	Enabled
Edit Delete New	

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) ...

3. Click Logout link, then type test2 and password 2222 to login. test2 in “Print Users” group can see only test2’s print job and user information.

4. On the other computer, open the web browser, type <http://servername/printjob> where servername is the name of computer that has Print Job Web User 1.0 installed. If the server name doesn’t work, try the IP Address of the computer that has Print Job Web User 1.0 installed. In this example, the servername is webserver.

Print Job - Web User

Login

User Name:

Password:

Part III Common Issues

1. Failed to access IIS metabase.

- a. Download <http://www.printeradmin.com/download/Metaacl.vbs>
- b. Copy the Metaacl.vbs file to the %systemdrive%\Inetpub\Adminscripts directory.
- c. Click Start, click Run, type CMD, and then click Run to open a command prompt.
- d. At the prompt, run the following command to change to the Adminscripts directory:
cd Inetpub\Adminscripts
- e. Run the command: cscript metaacl.vbs IIS://LOCALHOST/W3SVC ASPNET R

2. Failed to generate a user instance of SQL Server due to failure in retrieving the user's local application data path. Please make sure the user has a local user profile on the computer. The connection will be closed.

Try use the same account (for example networkservice or localsystem) for [SQL Server Database Engine and IIS Application Pool](#).

3. Can't access a website / Network Timeout

To configure IIS on the server so that other machines can access it through web browser, enable http access through Windows Firewall on your server:
In Control Panel, open the Windows Firewall applet, click "Allow a program through Windows Firewall", scroll the bottom of the list and look for World Wide Web Services (HTTP) and enable it on your networks.

4. Failed to update database "C:\INETPUB\WWWROOT\PRINTJOB\APP_DATA\ASPNETDB.MDF" because the database is read-only.

Go to inetpub folder (for example c:\inetpub\wwwroot\printjob\app_data, right click ASPNETDB, select Properties -> Security, Add user "ASPNET" full control permission. Repeat this for aspnetdb_log. See [screenshot](#). Make sure your virtual directory is running [ASP.NET v2.0.50727](#). If [default application pool](#) use identity 'network service", then add user "NetworkService" full control permission for both ASPNET.MDF and aspnetdb_log.ldf.

5. SQL Network Interfaces, error: 26 - Error Locating Server/Instance Specified

If this happens for connection string "localsqlserver" to attach ASPNETDB.MDF, make sure to [install SQL Server Express on the computer that has Print Job Web User 1.0 installed](#).

- 1) Make sure your server name is correct.
- 2) Make sure your instance name (For example: SQLEXPRESS) is correct and there is actually such an instance on your target machine.
- 3) Make sure the server machine is reachable, e.g, DNS can be resolve correctly, you are able to ping the server. If not, try server IP.
- 4) Make sure SQL Browser service is running on the server.
- 5) If firewall is enabled on the server, you need to put sqlservr.exe (For example: C:\Program Files\Microsoft SQL Server\MSSQL.10\MSSQL\Binn\sqlservr.exe) and sqlbrowser.exe (For example: C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe or C:\Program Files(x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe) and/or UDP port 1434 into exception.