

Oracle® Documaker

iPPS Installation Guide

version 3.12.8

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Chapter 1

Setting Up iPPS

This document outlines the requirements for running iPPS version 3.12. Also included are installation instructions for Docupresentment and iPPS plus steps for setting up Windows 2003 Server to run iPPS.

- [Requirements on page 12](#)
- [Installing Docupresentment and iPPS version 3.12 on page 14](#)
- [Setting Up Windows 2003 Server on page 15](#)

REQUIREMENTS

Your computer must have certain software and hardware components to run iPPS. This table outlines those requirements:

Basic requirements

	Requirements
CPU	Pentium III or higher
Operating systems	Windows XP, Windows 7, Windows 2003 or Windows 2008 Server
Memory*	256MB RAM
Hard disk**	400 MB free
Other components	Keyboard and mouse or compatible pointing device
Monitor	Color SVGA monitor

* Additional memory, while not required, will improve system performance.

** The amount of hard disk space you will need depends mainly on the volume of data you must process.

Client requirements

In addition to the basic requirements, each client should have the following:

- WIP Edit, version 11.3, patch 05 or higher
- Windows XP Professional or Windows 7
- Adobe Acrobat Reader 7.0 or higher
- Microsoft Internet Explorer 6.0 or higher with these Internet security options enabled:
 - Run ActiveX controls and plug-ins
 - Script ActiveX controls safe for scripting
 - Allow cookies that are stored on your computer
 - Allow per-session cookies (not stored)
 - Active Scripting

Server requirements

In addition to the basic and client requirements, the computer you will use as a server should be configured with the following:

- Internet Information Services (IIS) with World Wide Web Server and File Transfer Protocol (FTP) Server
- A database such as Microsoft Access (Access 97 or higher), xBase, or SQL
- Visual Basic runtimes
- Microsoft XML Core Services 4.0 SP2 (msxml4) for iPPS 3.11 and below
- Microsoft XML Core Services 6.0 (msxml6) for iPPS 3.12 and higher
- ADO 2.6 or later
- A static IP address

- Web server** For the web server, you should have:
- Intel® Core™ 2 CPU.2.13GHz with 1.99 GB of RAM
 - Windows 2003 Server
 - Component Services or Microsoft Transaction Server
 - Microsoft Visual Basic 6 Runtimes (included/installed with iPPS version 3.1 or higher)
 - Microsoft Active Data Objects 2.6 or higher (included/installed with iPPS version 3.1 or higher)
 - IBM WebSphere MQ (formerly MQSeries) or Microsoft Message Queue client
 - ODBC-compliant database (Oracle, SQL Server, or DB2 recommended for production)
 - Microsoft's XML parser:
 - MSXML 4.0 sp2 for iPPS version 3.11 and below
 - MSXML 6.0 for iPPS version 3.12 and higher
 - Docupresentment version 10.2 (IDS version 1.8) or higher

Additional recommendations

We also recommend these additional products for your iPPS implementation:

Product	Description
Documaker	Use for rules publishing.

ADD IPPS USER TO THE SYSTEM

You need to add a user to the system, before installing the Installing Docupresentment and iPPS version 3.12. to add a user, follow these steps below:

- 1** Start the Server Manager and click Start<<Administrative Tools <<Computer Management<<Local Users and Groups.
- 2** Right click on Users, point to “New” to Add a new iPPSUser.
- 3** Right Click on iPPSUser and select the option “Properties”.
- 4** In the propoerties dialog box, add Member of IIS_USRS/IIS_WPG and Distributed COM User.

The created iPPSUser will be used as an owner of processes related to iPPS COM+.

INSTALLING DOCUPRESENTM ENT AND IPPS VERSION 3.12

Make sure your system meets or exceeds all of the software and hardware requirements listed in [Requirements on page 12](#), then follow these steps to install Docupresentation and iPPS version 3.12:

- 1 Install Java Runtime Environment (JRE) version 5.0 or higher.
- 2 Install Docupresentation version 2.2 in the docserv directory (Server, Shared Objects, and Client).
- 3 Install Amergen.exe from iPPSp_{xx} directory. When prompted, point to the docserv\mstrres directory.

NOTE: Where *xx* equals the patch number.

- 4 Install iPPS Resources version 3.12 (iPPSResources3.12p_{xx}.exe) in the default directory.
- 5 Install iPPSDLL3.12p_{xx}.exe in the default directory.
- 6 Install msxml.msi to the default directory. You can download this file from Microsoft MSXML6.
- 7 Install the WipEdit version corresponding to Shared Objects.

NOTE: Refer to *Using Oracle Web-Enabled Solutions* for special considerations on Windows 2003 Server.

- 8 Reboot your computer.
- 9 Start Docupresentation for testing:
 - At a command prompt, go to the docserv directory.
 - Enter **docserver.bat** to start Docupresentation.
- 10 Test your ability to communicate with Docupresentation:
 - Go to the docserv directory, then run the dsicotb.exe program.
 - Click the Execute button. You should see a list of libraries on the right panel if successful.
- 11 To see the item in iPPS, go to this URL:
<http://localhost/IPPS312/>
and log in as *demo1*. No password is required.

SETTING UP WINDOWS 2003 SERVER

If the required applications were not installed with Windows 2003 Server, follow these steps to set up the applications you need to run iPPS:

- 1** From Control Panel, choose the Add or Remove Programs option. Then select the Add/Remove Windows Components option.
- 2** Install the following under Application Server:
 - *Internet Information Services (IIS)*
 - *ASP.net*
 - *Application Server Console*
 - *Enable Network COM+ Access*
 - *Message Queuing*
- 3** Install the following under IIS:
 - Common Files
 - File Transfer Protocol
 - World Wide Web Service
 - IIS Service Manager
- 4** Install the following under World Wide Web Service.
 - Active Server Pages
 - Server Side Includes
 - World Wide Web Service

Configuring Internet Information Services

- 1** Open “Internet Information Services (IIS) Manager”. Right Click on “Application Pools”, point to New and select “Application Pool” to add application pool.
- 2** In the New Add Application Pool dialog, enter “iPPSAppPool” as the Application Pool ID and Select the application pool option to “Use default settings for new applicatoon pool”.
- 3** Click Ok..
- 4** In the Internet Information Services (IIS) Manager window, right click on the newly created “iPPSAppPool” and select the Properties option.
- 5** In the iPPSAppPool window, go to Identity tab, select the configurable option and enter the iPPS user name and password or click Browse to choose the ipps user name..

Note

The user name and passowrd is of the newly created iPPSUser that we have created. Refer to Add iPPS User to the system on page 13.

- 6** Click Apply to implement the settings.

- 7** Click Ok.
- 8** Go to Administrative tools>Component Services. Expand the Component services and click My Computer and select the COM+ Applications option.
- 9** Right Click on the COM+ component for iPPS, go to the properties and select identity tab and choose or browse for iPPS user.
- 10** Create 2 directories i.e.:- import and spool under “C:\Inetpub\wwwroot_iPPS312”.
- 11** Right Click on _iPPS312and _iPPS312_Services folder in C:\Inetpub\wwwroot\ and give full permission to the iPPSUser.
- 12** Right click on docserv directory in C:\ and select the full permission option for the iPPSUser.
- 13** Go to Docupresenment Watchdog Service, right click and go to the properties Logon tab and select Logon from the account and browse for iPPSUser, enter the password and click apply.
- 14** Restart the service to implement the changes.
- 15** Modify “C:\Inetpub\wwwroot_iPPS312\global.xml” to match your setup.
 - In global.xml, the LOGLOCATION must have a valid value.
 - The entry iMRLDB should point to the valid mrl.mdb file.
 - The PUTURL value should have the IP address of the installed machine.
- 16** Go back to Internet Information Services(IIS) Manager,click on Default Web Site link and expand the node to view the iPPS312 and iPPS312Service.
- 17** Right click on iPPS312 and iPPS312 Service and slect Properties.
- 18** In the iPPS31 and iPS312 Service Properties box, select the Application pool as Switch pool and click Ok..
- 19** In the iPPS312 and iPPS312 Service Properties box, go to Directory Security tab and click Edit. The Authentication Methods box is displayed.
- 20** In the Authentication Methods box, Enter/change the user to iPPSUser and click Ok..
- 21** In the iPPS312 and iPPS312 Service Properties box, go to the Virtual Directory tab,click the configuration button. In the Application Configuration box, click Option tab and select the Enable Parents Paths option.
- 22** Click Ok.
- 23** Go back to Internet Information Services(IIS) Manager, and right click on iPPS312 and iPPS312 Service and select Edit Permission.
- 24** Add iPPSUser and set “Permission for iPPSUser” to “Full control” and Click Apply.
- 25** Restart IIS by issuing the command iisreset.

WEB SITE TUNING FOR WINDOWS 2003

After you install iPPS on Windows 2003 Server, you must do the following steps:

- 1** From IIS Manager, turn on ASP. Then click the Web Service Extensions.
- 2** Enable Active Server Pages. Then enable Server Side Includes and click Ok.

TUNING COMPONENT SERVICES

For better performance, follow these steps to tune Component Services:

NOTE: You may also want to read this KnowledgeBase article:

<http://support.microsoft.com/kb/810153>

- 1** From Component Services MMC, disable security checks by first clicking the Component Services option and then choosing the Computers, My Computer, COM+ Applications option.
- 2** Right-click on *Oracle_iPPS312 Package*, click the Properties tab, then click the Security tab.
- 3** Uncheck the Enforce Access Checks for this Application option and click Ok.

You can run IIS as either a library or server application. Running as a server application is the default. If you are using IIS version 6.0 or higher, running as a library application is recommended. For more information, see [Running as a Server Application on page 18](#).

Running as a Server Application

If you decide to run as a server application instead of a Library application, follow these steps:

- 1** From Component Services MMC, set the identity for the Server Application option by first clicking the Component Services and then choosing the Computers, My Computer, COM+ Applications option.
- 2** Right-click on *Oracle_iPPS312 Package*, click the Properties tab, then click the Identity tab.
- 3** Click This User and then add the user as iPPSUser who has Admin rights. You can change this later, but this user will need access to the queuing system (MSMQ, MQSeries). When you finish, click Ok.

Running as a Library Application

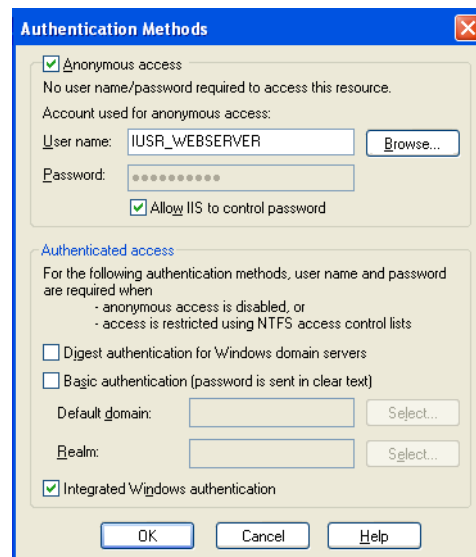
If you are using IIS version 6.0 or higher, you may want to reconsider some of COM+ guidelines. For instance, before Windows Server 2003, COM+ application components were by default configured to run out-of-processes from the caller. The default for COM+ applications is to run as server applications, executing in a DLLHost.exe process called into from the object instantiate or over DCOM.

This means that for every method call there are extra threads running on the system and every call to a method must be marshaled across process boundaries. While the effect on performance is not noticeable on implementations with low request/transaction rates, on a high volume, large multi-processor implementation, this kind of overhead can greatly affect performance.

If you are using Windows Server 2003, it is best to change the default configuration for a COM+ server application to *Library application*. When running as a library application, the user's context is the identity being used.

You can change the identity for the web site by changing the authentication methods on the virtual directory, as shown here:

Change the identity for the web site on the Authentication Methods window



The user defined for anonymous or authenticated access must have...

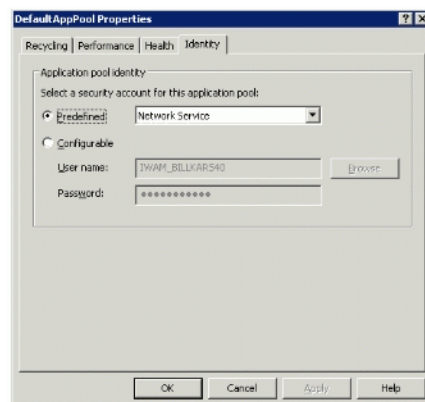
- Write access to the <STATEMGT> location from the global.xml
- Write access the <LOGLOCATION> from the global.xml
- Full control access to the MSMQ queues (request and resultq)

All Application Pools Running with Unique Identity

Another benefit of IIS 6.0 is that the administrator gets to assign the base identity of a worker process. This does not mean custom code running in the worker process runs with this identity. IIS still impersonates the caller when it calls custom code (ASP, ASP.NET, ISAPI) if the caller is authenticated.

If the caller is anonymous, IIS runs the custom code under the IUSR_<computername> identity. The application pool identity is used when the IIS code runs in the worker process.

The default identity is the account Network Service, which has rights approximating a member of the users group of a server. You can, however, set this identity on a per application pool basis.



When running as a library application, the application pool identity must have...

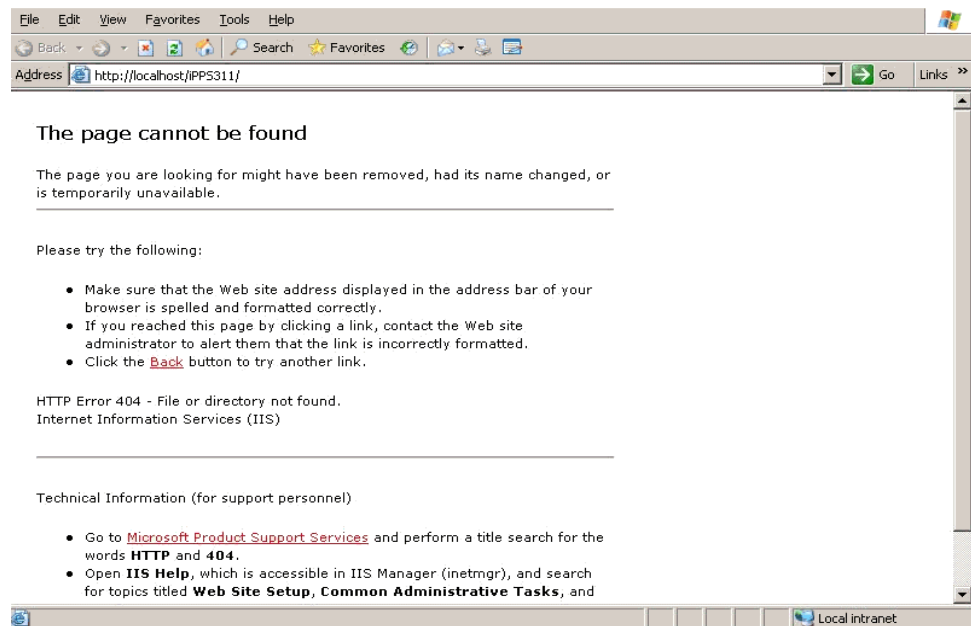
- Read access to the iUserDB definition. The default install uses an Microsoft Access database located in the \iPPS\user folder.
- Read access to the docserv directory.

For more information, see:

<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/technologies/webapp/iis/iis6perf.msp>

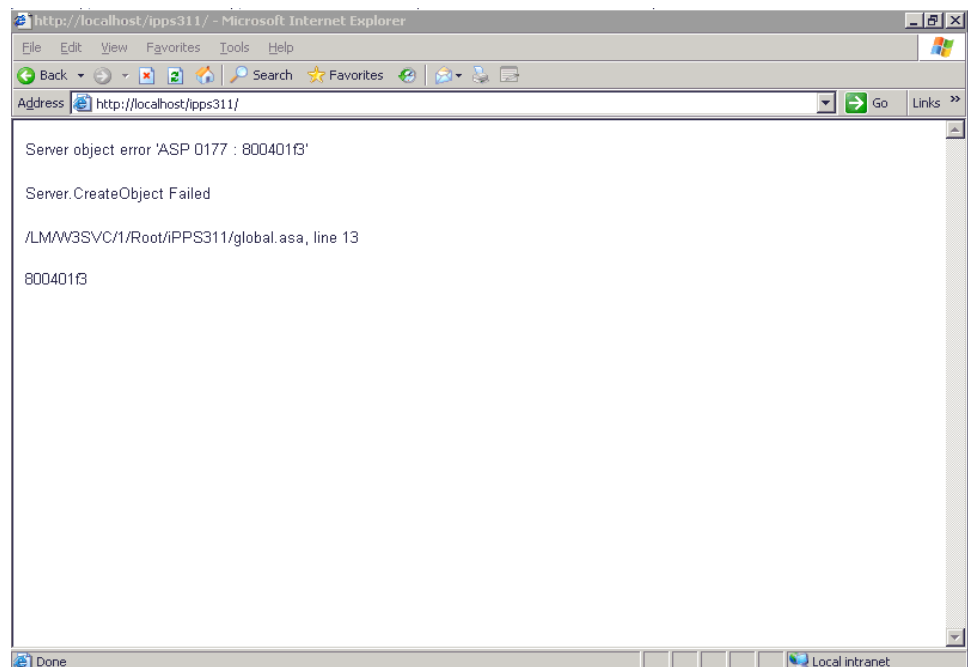
TROUBLESHOOTING

If you get a page cannot be found error, such as the one shown here:



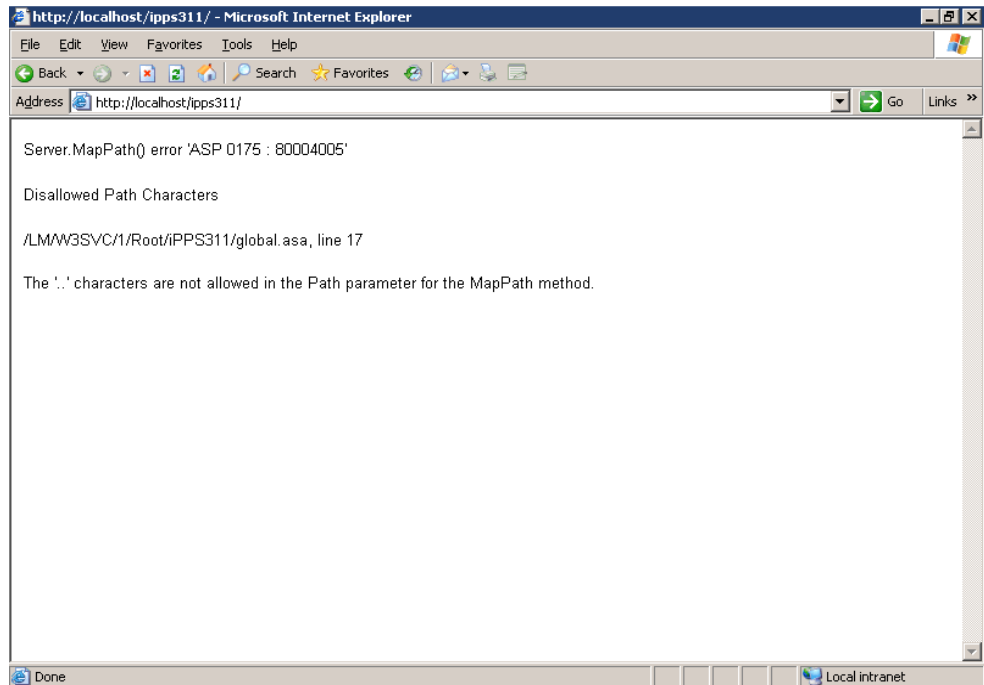
See [Web Site Tuning for Windows 2003 on page 17](#) for more information on tuning IIS.

Once you enable ASP and Server Side Includes, you may get this error:



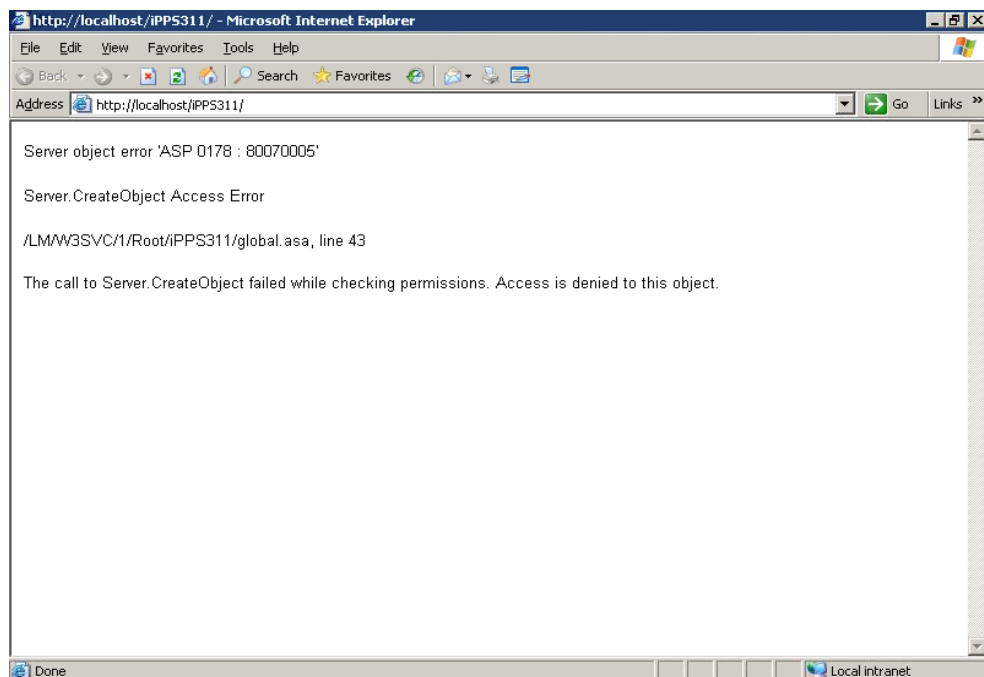
If so, install MSXML 4.0 SP2 from Microsoft.

If you get this error:



See [Web Site Tuning for Windows 2003 on page 17](#) for more information on tuning IIS.

If you get this error next:



See [Tuning Component Services on page 18](#) for more information.