Adaptive Print Studio v1.0

Installation manual

Installing Adaptive Print Studio

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Chapter 1

Introduction

This document describes how to install Sitecore Adaptive Print Studio v1.0 on the server and how to install the plug-ins (InDesign Connector and InCopy Connector) on client systems.

- **Chapter 1 - Introduction**
- **Chapter 2 - Installation Package**
- **Chapter 3 - Server Side**
- **Chapter 4 - Client Side**

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Chapter 2

Installation Package

This chapter describes the installation of the Adaptive Print Studio Module.

This chapter contains the sections:

- Installation Package Download and Extracting
- Installation Package Content

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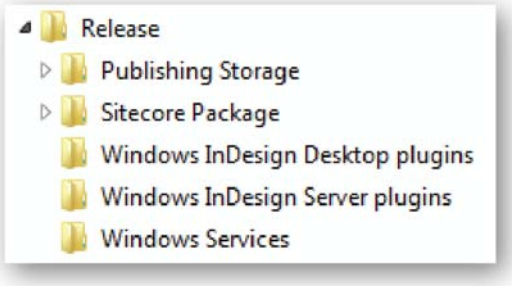
2.1 Installation Package Extracting

Download the installation package from the SDN portal and extract the package on your server or system.

2.2 Installation Package Content

The installation package contains a folder structure as shown below. The folder names describe what is included and the purpose of the files.



The package contains:

- APS Installation Manuals (A4 and US-Letter PDF).
- Storage package (APSPublishing.zip, **this is no Sitecore wizard package**).
- Sitecore package (Adaptive Print Studio-xx.xx.xx).
- Windows services.
- Windows InDesign Desktop plug-ins.
- Windows InDesign Server plug-ins.

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Chapter 3

Server Side

This chapter contains:

- APS System Requirements
- Preparing IIS for Installation
- Importing Sitecore Package
- Changing the Print Studio Settings in Sitecore
- Installing Windows Services
- Configure MS Queue Server

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3.1 APS System Requirements

3.1.1 Sitecore version

The APS module requires **Sitecore 6.4** or higher.

3.1.2 InDesign version

The APS module requires **InDesign Server CS5.5**.

3.1.3 Operating System Requirements

APS can be hosted on the following Microsoft operating systems:

- Windows Server 2003 (32/64-bit).
- Windows Server 2008 (32/64-bit).

3.1.4 IIS Requirements

APS can be hosted on the Internet Information Services version 6 or higher running on supported operating systems.

3.1.5 SMTP Service

SMTP service is required in order to handle e-mail notifications.

3.1.6 .NET Framework Requirements

APS requires .NET Microsoft Framework 3.5.

3.1.7 Windows MSMQ

MSMQ stands for Microsoft Message Queuing and is required to allow applications that run on separate servers/processes to communicate in a failsafe manner.

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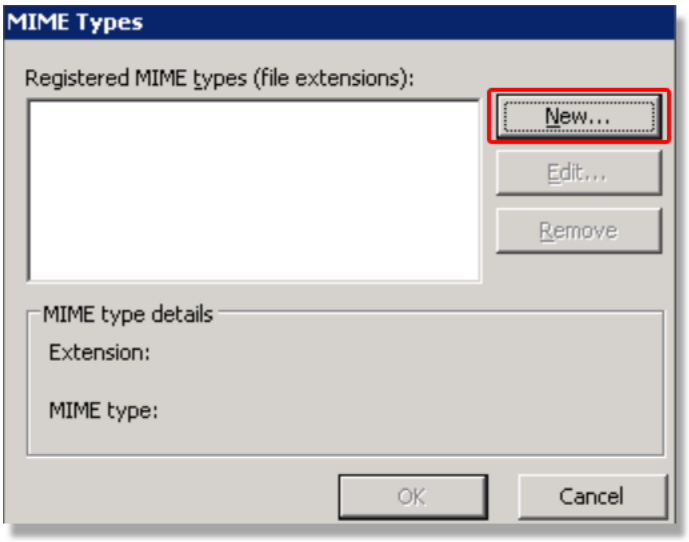
3.2 Preparing IIS for Installation

3.2.1 MIME Type

The InDesign MIME type should be available for the website with the Adaptive Print Studio installation.

To configure it for IIS using a 2003 server:

1. Open IIS and add the following MIME type:
2. Open IIS Manager, right-click on MyComputer (local computer) node
3. Click **Properties**
4. Click on **MIME Types**
5. Click **New**



6. Enter **.indd** in the **Extension box**
7. Enter **application/x-indesign** in the **MIME type** box,
8. Click **OK**
9. Click **Apply**
10. Click **OK**
11. Close the IIS Manager

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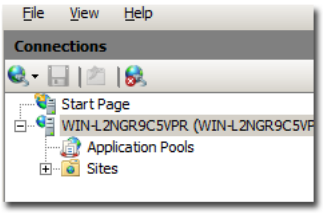
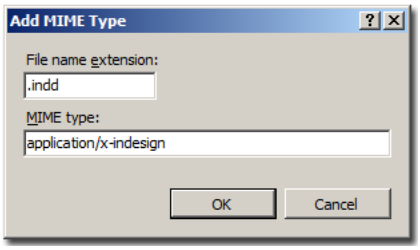
To configure the InDesign MIME type using a 2008 server version, open the local computer node.



- Select **MIME Types** (by double-clicking)
- Click **Add**.

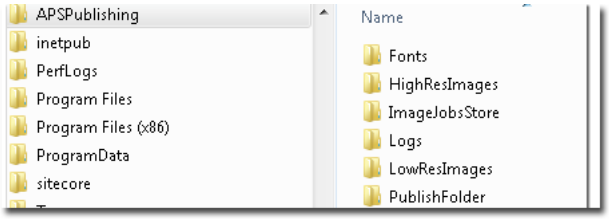
In the File name extension box, enter: **.indd**. In the MIME type box enter in: application/x-indesign.



3.2.2 Creating Folders

All the necessary folders needed for the applications to be able to upload, download and store different images and files, are contained in the **APSPublishingFolders.zip**

Extract the contents of **APSPublishingFolders.zip** to a suitable location, which is accessible for the IIS as shown.



It is best to organize the folder tree within a parent folder named **APSPublishing**, located at a suitable location outside the Sitecore Website folder.

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Folders description

Fonts	used to store the fonts used by the Print Studio Editor application
HighResImages	used to store the original image files
ImageJobsStore	used to store transferred original image files, to be later processed
Logs	is where all Print Studio windows services logs reside
LowResImages	used to store the converted low resolution image files
PublishFolder	stores the publishing results files
PublishingCache	temporary store for the images used in the document being published

Note
The names and locations of the folders can be different and it is configurable through the configuration files of the different services and applications.

Note
The Print Studio web services logs are located in the Sitecore website logs folder (..\Data\logs).

The folders **HighResImages**, **LowResImages**, **ImageJobsStore** and **PublishFolder** have to be created as virtual folders inside the Sitecore web site.

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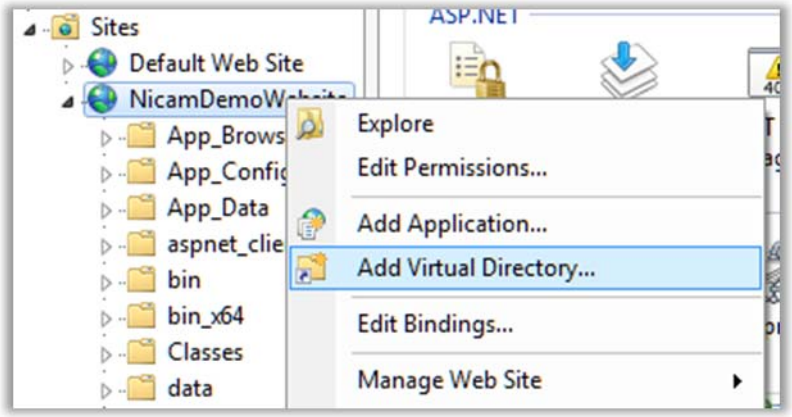
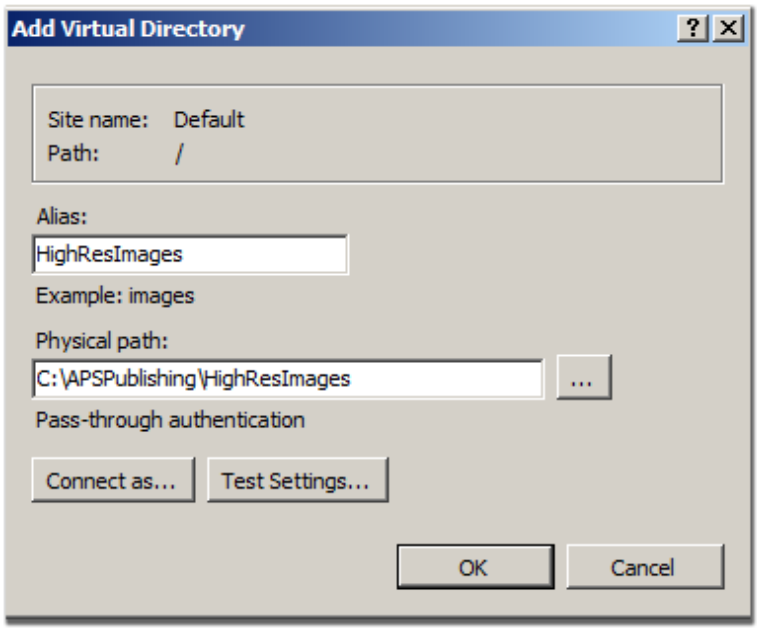
To Create a Virtual Directory With IIS Manager for an ASP.NET Application

1. In IIS Manager, expand the local computer and the **Sites** folder.
2. Right-click the Sitecore website and then click **Add Virtual Directory**.



3. In the **Add Virtual Directory** dialog box, specify the following information: Alias and Physical Path.



4. Click OK.
5. Repeat steps 1-4 for each folder (HighResImages, LowResImages, ImageJobsStore and PublishFolder).

Note
The services operating with the files have to be granted permissions to read, write and create folders. If the services and applications work on different servers, the folders should be shared and accessible along the network.

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Note
Make sure the NETWORK SERVICE account gets sufficient access permissions on the folder ..\APSPublishing and subfolders.

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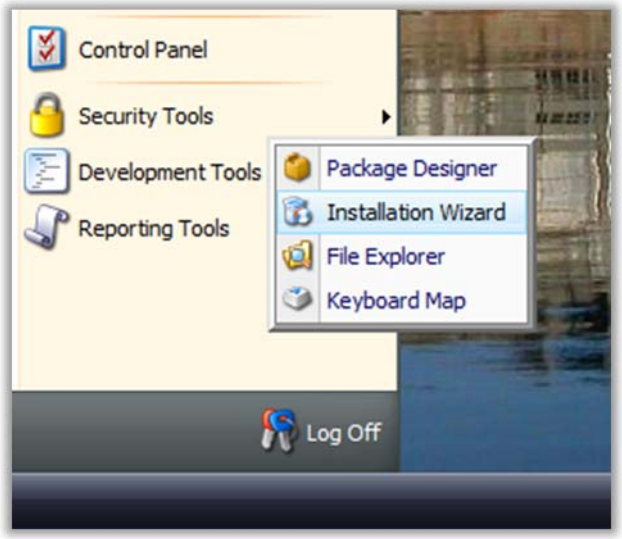
3.3 Importing Sitecore Package

One package needs to be installed, it contains all items, files and the Print Studio website. It is called “Adaptive Print Studio-xx.xx.xx”.

Note
Before importing Sitecore packages, make sure that 32-Bit applications are enabled. See Could not Load File or Assembly.

Importing Package

1. Log in Sitecore.
2. Navigate to **Development Tools** and open **Installation Wizard**.



3. **Browse** and select the package then click **Upload**.

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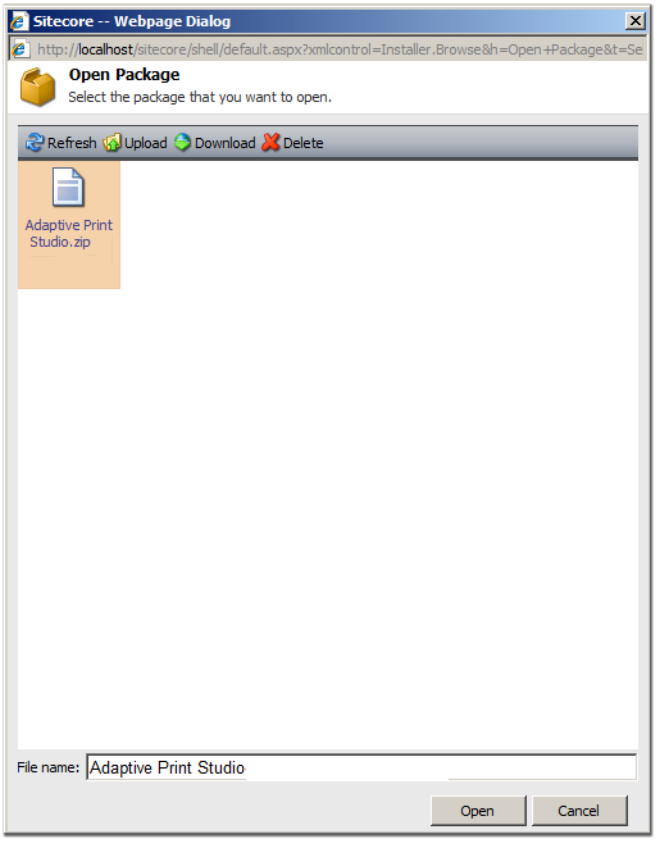
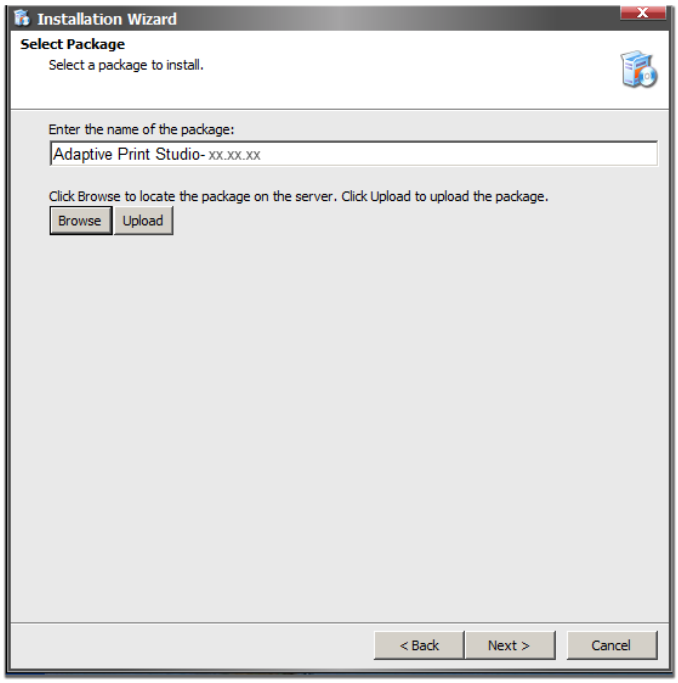
4. Once uploaded select the package and click **Open**.



5. Click **Next**.



6. Select “I Accept the terms of the license agreement”

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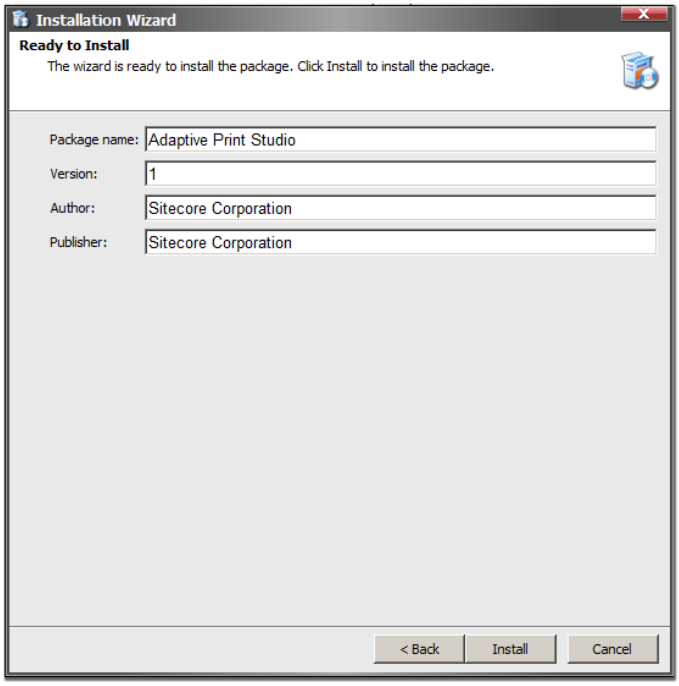
7. Click **Next**.



8. Click **Install**
9. Installation starts and will need approximately 15-20 minutes to finish.
10. Click **Finish**

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3.4 Configure Print Studio Web Services and Applications

3.4.1 Configure the Logger

1. Open *web.config* file from Sitecore Website folder.
2. Navigate down to the **<log4net>** section.
3. Paste the following after the last **</appender>** item:

```
<appender name="APSPrintServiceAppender" type="log4net.Appender.SitecoreLogFileAppender,
  Sitecore.Logging">
    <file value="$(dataFolder)/logs/PrintService.log.{date}.txt"/>
    <appendToFile value="true"/>
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
    </layout>
</appender>

<logger name="APSPrintServiceLogger" additivity="false">
  <level value="INFO"/>
  <appender-ref ref="APSPrintServiceAppender"/>
</logger>

<appender name="APSPublishingServiceAppender" type="log4net.Appender.SitecoreLogFileAppender,
  Sitecore.Logging">
  <file value="$(dataFolder)/logs/PublishingService.log.{date}.txt"/>
  <appendToFile value="true"/>
  <layout type="log4net.Layout.PatternLayout">
    <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
  </layout>
</appender>

<logger name="APSPublishingService" additivity="false">
  <level value="INFO"/>
  <appender-ref ref="APSPublishingServiceAppender"/>
</logger>
```

4. Save and Close the *web.config* File

3.4.2 Configure Web Services

1. **Open** *web.config* file from the Sitecore Website folder.
2. Navigate down to **</system.web>** section.
3. **Paste** the following configuration section after **</system.web>**:

```
</system.web>
  <system.serviceModel>
    <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />
    <services>
      <service behaviorConfiguration="MediaServiceBehavior"
  name="Sitecore.PrintStudio.WebServices.MediaService">
        <endpoint address="" binding="basicHttpBinding"
  bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
  contract="Sitecore.PrintStudio.WebServices.MediaService" />
        <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
      </service>
```

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```
    <service behaviorConfiguration="DesktopServiceBehavior"
name="Sitecore.PrintStudio.WebServices.DesktopService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.DesktopService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
    <service behaviorConfiguration="PrintServiceBehavior"
name="Sitecore.PrintStudio.WebServices.PrintService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.PrintService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
    <service behaviorConfiguration="FileServiceBehavior"
name="Sitecore.PrintStudio.WebServices.FileService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.FileService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
  </services>
  <behaviors>
    <serviceBehaviors>
      <behavior name="MediaServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <behavior name="DesktopServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <behavior name="PrintServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <behavior name="FileServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
    </serviceBehaviors>
  </behaviors>
  <bindings>
    <basicHttpBinding>
      <binding name="BasicHttpBinding_PrintStudioWebServices"
               hostNameComparisonMode="StrongWildcard"
               maxReceivedMessageSize="2147483647"
               maxBufferSize="2147483647"
               maxBufferPoolSize="2147483647"
               transferMode="Buffered"
               messageEncoding="Text"
               textEncoding="utf-8"
               bypassProxyOnLocal="false"
               useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647"/>
        <security mode="None" />
      </binding>
```

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```
        <binding name="BasicHttpBinding_IDashBoardWebService"
                 hostNameComparisonMode="StrongWildcard"
                 receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
  closeTimeout="00:30:00"
                 maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
  maxBufferPoolSize="2147483647"
                 transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
  bypassProxyOnLocal="false" useDefaultWebProxy="true">
          <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
  maxDepth="2147483647" maxStringContentLength="2147483647" />
          <security mode="None" />
        </binding>
      </basicHttpBinding>
    </bindings>
    <client>
      <endpoint address="http://localhost:8070/DashBoardWebService"
          binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
          contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
  name="BasicHttpBinding_IDashBoardWebService" />
    </client>
  </system.serviceModel>
```

Note
Be careful with including the system.serviceModel. There might be an instance in config already. If so, either merge the two instances or delete one.

```
<system.serviceModel>
<serviceHostingEnvironment aspNetCompatibilityEnabled="true"/>
</system.serviceModel>
```

4. Edit the following key values as with the appropriate URL values:

```
<endpoint address=http://localhost:8070/DashBoardWebService
```

Note
When using websites with multiple bindings this should be configured in the `<serviceHostingEnvironment` key as shown below. multipleSIteBindingsEnabled is applicable only if .net framework 4.0 is installed

```
<system.serviceModel>
  <serviceHostingEnvironment aspNetCompatibilityEnabled="true" multipleSiteBindingsEnabled =
  "true"/>
```

5. Navigate down to **</system.web>**section.
6. Edit the following key values as shown below:

```
<httpRuntime maxRequestLength="2097151" executionTimeout="10200" />
```

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7. Add the svc extension.

```
<sitecore database="SqlServer">
…
<pipelines>
…
<preprocessRequest>
…
<processor type="Sitecore.Pipelines.PreprocessRequest.FilterUrlExtensions, Sitecore.Kernel">
   <param desc="Allowed extensions (comma separated)">aspx, ashx, asmx, svc</param>
```

8. **Save** and **Close** the *web.config* file.

3.4.3 Configure Print Studio Web Services

App_Config/Include/PrintStudio.config in Sitecore Root

The configuration settings are separated into sections for each service. The configuration settings are declared by the **Sitecore.PrintStudio.Configuration.dll**, which must be located inside the **bin** folder of the Sitecore root.

Sections description

website	Contains all settings for the print studio web pages.
common	Contains all shared by the web services settings.
printstudiocenter	Contains all settings, used only by desktop service.
media	Contains all settings, used only by media service.
printstudioexplorer	Contains all settings, used only by print service.
printstudioengine	Contains all settings, used only by the print engine.
fileservice	Contains all settings, used only by file service.

WebSite Settings

Website settings are stored inside the **<website>**section:

```
<website type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<!-- core db -->
<setting name="PrintStudio.Localizations" value="/sitecore/content/Applications/Print Studio"/>
<!-- master db -->
<setting name="PrintStudio.AppSettings" value="/sitecore/Print Studio"/>
<setting name="PrintStudio.DownloadHandler" value="http://localhost/PrintStudio/Handlers/
  DownloadHandler.ashx"/>
<setting name="PrintStudio.DBServer.IPAddress" value="localhost" />
<setting name="PrintStudio.DBServer.Port" value="8081" />
</settings>
</website>
```

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Configuration keys description for WebSiteSettings section

PrintStudio.Localizations	Sitecore path to the Print Studio localizations in core database
PrintStudio.AppSettings	Sitecore path to Print Studio application settings in master database
PrintStudio.DownloadHandler	Handler used for downloading original images and zip packages
PrintStudio.DBServer.IPAddress	InDesign service address
PrintStudio.DBServer.Port	InDesign service port

Common Settings

The web services read a shared settings from the **<common>** section.

```
<common type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.Database" value="master"/>
<setting name="PrintStudio.CoreDatabase" value="core"/>
<setting name="PrintStudio.Shell" value="shell"/>
<setting name="PrintStudio.WebHost" value="http://localhost/"/>
<setting name="PrintStudio.Domain" value="sitecore"/>
<setting name="PrintStudio.WcfServiceSendReceiveTimeout" value="20"/>
<setting name="PrintStudio.WcfServiceOpenCloseTimeout" value="10"/>
<setting name="PrintStudio.AdminRoles" value="sitecore/Sitecore Local Administrators" />
<setting name="PrintStudio.StandardFields" value="Title|Keywords|Description|Alt" />
<setting name="PrintStudio.FolderIcon" value="Applications/128x128/folder.png" />
<setting name="PrintStudio.PhotoSceneryIcon" value="Applications/128x128/photo_scenery.png" />
<setting name="PrintStudio.FileService" value="http://localhost/PrintStudio/Services/
  FileService.svc"/>
<setting name="PrintStudio.MediaService" value="http://localhost/PrintStudio/Services/
  MediaService.svc"/>
<setting name="PrintStudio.DesktopService" value="http://localhost/PrintStudio/Services/
  DesktopService.svc"/>
<setting name="PrintStudio.PrintService" value="http://localhost/PrintStudio/Services/
  PrintService.svc"/>
<setting name="PrintStudio.IconHandler" value="http://localhost/PrintStudio/Handlers/
  IconHandler.ashx?url=" />
<setting name="PrintStudio.QrCodeGenerator" value="http://localhost/PrintStudio/Handlers/
  QrCodeGeneratorHandler.ashx"/>
</settings>
</common>
```

Configuration keys description for common section

PrintStudio.Database	Sitecore database to be used.
PrintStudio.CoreDatabase	Sitesore Core database.
PrintStudio.Shell	Sitesore Shell web site.
PrintStudio.WebHost	URL of the Sitecore website. Used for constructing different paths for icons, images and so on.
PrintStudio.Domain	Sitecore domain where the user accounts should be read from.

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Configuration keys description for common section

PrintStudio.WcfServiceSendReceiveTimeout	Wcf Service send/receive time-out in minutes.
PrintStudio.WcfServiceOpenCloseTimeout	Wcf Service open/close time-out in minutes.
PrintStudio.AdminRoles	Comma separated list of roles which will have admin access.
PrintStudio.StandardFields	Standard fields collection for file or image.
PrintStudio.SitecoreShellThemesStandard	Sitecore icon handler.
PrintStudio.FolderIcon	Icon for the folders in the content tree.
PrintStudio.PhotoSceneryIcon	Icon for the images in the content tree.
PrintStudio.FileService	Reference URL to the FileUpload web service.
PrintStudio.MediaService	Reference URL to the Media web service.
PrintStudio.DesktopService	Reference URL to the Desktop web service.
PrintStudio.PrintService	Reference URL to the Print web service.
PrintStudio.IconHandler	IconHandler URL.
PrintStudio.MediaHandler	Address of the handler used for downloading media files.
PrintStudio.QrCodeGenerator	Reference URL of the QR code generator handler.

Desktop Service

Desktop Web Service settings are stored inside the **<printstudiocenter>**section:

```
<printstudiocenter type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.SkinsPath" value="/sitecore/content/Applications/Print Studio/Skin
  Types"/>
<setting name="PrintStudio.DesktopServiceProvider"
  value="Sitecore.PrintStudio.WebServices.Providers.SitecoreDesktopProvider"/>
</settings>
</printstudiocenter>
```

Configuration keys description for printstudiocenter section

PrintStudio.SkinsPath	Path to Print Studio skin files.
PrintStudio.DesktopServiceProvider	The Service Provider to be used for data manipulation.

Media Service Settings

Media Web Service settings are stored inside the **<media>**section:

```
<media type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.MediaThumbnailPath" value="~/media/{0}.ashx?h=32&amp;thn=1&amp;w=32" /
  >
<setting name="PrintStudio.MediaDashboardServiceType" value="ImageProcessingService"/>
```

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```
<setting name="PrintStudio.MediaDashboardServiceMethod" value="QueueImageJobMethod"/>
<setting name="PrintStudio.MediaResponseType" value="Notifying"/>
<setting name="PrintStudio.ImageCleanTemp" value="image" />
<setting name="PrintStudio.PathToICCFile"
  value="C:\WINDOWS\system32\spool\drivers\color\AdobeRGB1998.icc" />
<setting name="PrintStudio.MediaHasWorkbox" value="True"/>
<setting name="PrintStudio.MediaServiceProvider"
  value="Sitecore.PrintStudio.WebServices.Providers.SitecoreMediaProvider"/>
<setting name="PrintStudio.MaxVisibleUploadsCount" value="10"/>
<setting name="PrintStudio.MaxUploadsCount" value="15" />
</settings>
</media>
```

Configuration keys description for media section

PrintStudio.MediaThumbnailPath	Path for downloading thumbnails.
PrintStudio. MediaDashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio. MediaDashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.MediaResponseType	SOAP message response type sent to dashboard.
PrintStudio.ImageCleanTemp	If it is "folder" the folders are deleted. The default is "image" but it could be empty.
PrintStudio.PathToICCFile	Path to the AdobeRGB1998.icc color driver.
PrintStudio.MediaHasWorkbox	Value indicating if workbox node will be added to the content tree in Media Manager application.
PrintStudio.MediaServiceProvider	The Service Provider to be used for data manipulation.
PrintStudio.MaxVisibleUploadsCount	Maximum number of visible files.
PrintStudio.MaxUploadsCount	Value indicating the max number of files to be uploaded/downloaded at once.

Print Settings

Print Web Service settings are stored inside the **<printstudioexplorer>**section:

```
<printstudioexplorer type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.MetaFields" value="Description|Start date|Due date" />
<setting name="PrintStudio.MetaSections" value="ProjectMeta"/>
<setting name="PrintStudio.PrintHasWorkbox" value="True"/>
<setting name="PrintStudio.ReportItemMinUsageCount" value="2" />
<setting name="PrintStudio.PublishingCachePath" value="C:\APSPublishing\PublishingCache\" />
<setting name="PrintStudio.PrintDashboardServiceType" value="InDesignServer"/>
<setting name="PrintStudio.PrintDashboardServiceMethod" value="Publish"/>
<setting name="PrintStudio.PrintResponseType" value="WithLinks"/>
<setting name="PrintStudio.DownloadPdfHandler" value="http://localhost/PrintStudio/Handlers/
  DownloadPdfHandler.ashx?file=" />
<setting name="PrintStudio.PrintServiceProvider"
```

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```
  value="Sitecore.PrintStudio.WebServices.Providers.SitecorePrintProvider"/>
<setting name="PrintStudio.FontsFolderPath" value=" C:\APSPublishing\Fonts\"/>
<setting name="PrintStudio.FontsListXmlPath" value=" C:\APSPublishing\Fonts\FontsList.xml"/>
</settings>
</printstudioexplorer>
```

Configuration keys description for printstudioexplorer section

PrintStudio.MetaFields	List of meta fields shown on UI.
PrintStudio.MetaSections	Item sections containing meta fields shown on UI.
PrintStudio.PrintHasWorkbox	Value indicating if workbox node will be added to the content tree in Print Explorer application.
PrintStudio.ReportItemMinUsageCount	Minimum usages of Images shown in Report tab in Print Explorer.
PrintStudio.PublishingCachePath	Path to Publishing Cache folder.
PrintStudio.PrintDashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio.PrintDashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.PrintResponseType	SOAP message response type sent to dashboard.
PrintStudio.DownloadPdfHandler	Handler to fetch the generated PDF sent via e-mail.
PrintStudio.PrintServiceProvider	The Service Provider to be used for data manipulation.
PrintStudio.FontsFolderPath	Path to fonts folder.
PrintStudio.FontsListXmlPath	Path to fonts list XML.

Print Studio Engine Settings

```
<printstudioengine type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.ProjectsFolder" value=" C:\inetpub\NicamDemoSite\WebSite\Projects\" />
<setting name="PrintStudio.InDesignServerName" value="InDesignServer.Application.CS5.5" />
<setting name="PrintStudio.BarcodeHighResPath"
  value="C:\inetpub\NicamDemoSite\WebSite\Projects\Barcodes\" />
<setting name="PrintStudio.UploadFolder" value=" C:\inetpub\NicamDemoSite\WebSite
  \Projects\Uploads\" />
<setting name="PrintStudio.StoreMastersInDB" value="true" />
<setting name="PrintStudio.MastersStoragePath" value=" C:\inetpub\NicamDemoSite\WebSite
  \Projects\Masters" />
</settings>
</printstudioengine>
```

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Configuration keys description for printstudioengine section

PrintStudio.ProjectsFolder	Path to Projects folder.
PrintStudio.InDesignServerName	Name of the InDesign server.
PrintStudio.BarcodeHighResPath	Path to the Barcodes folder.
PrintStudio.UploadFolder	Path to Upload folder.
PrintStudio.IconsUrl	Sitecore icons path.
PrintStudio.StoreMastersInDB	If true the masters are stored in the database.
PrintStudio.MastersStoragePath	Path to folder for storing masters.

File Service Settings

```
<fileservice type="Sitecore.PrintStudio.Configuration.SettingsSection,
  Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.StorePath" value="C:\APSPublishing\ImageJobsStore" />
<setting name="PrintStudio.DashboardServiceType" value="ImageProcessingService" />
<setting name="PrintStudio.DashboardServiceMethod" value="QueueImageJobMethod" />
<setting name="PrintStudio.VirtualDirectoryUrl" value="http://localhost/ImageJobsStore/" />
<setting name="PrintStudio.ResponseType" value="Notifying" />
</settings>
</fileservice>
```

Configuration keys description for fileservice section

PrintStudio.StorePath	Path to temp image upload folder.
PrintStudio.DashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio.DashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.VirtualDirectoryUrl	URL of temp image upload folder.
PrintStudio.ResponseType	SOAP message response type sent to dashboard

3.5 Changing the Print Studio Settings in Sitecore

The Print Studio application settings are stored in the Sitecore master database in the */sitecore/Print Studio/App Settings* folder

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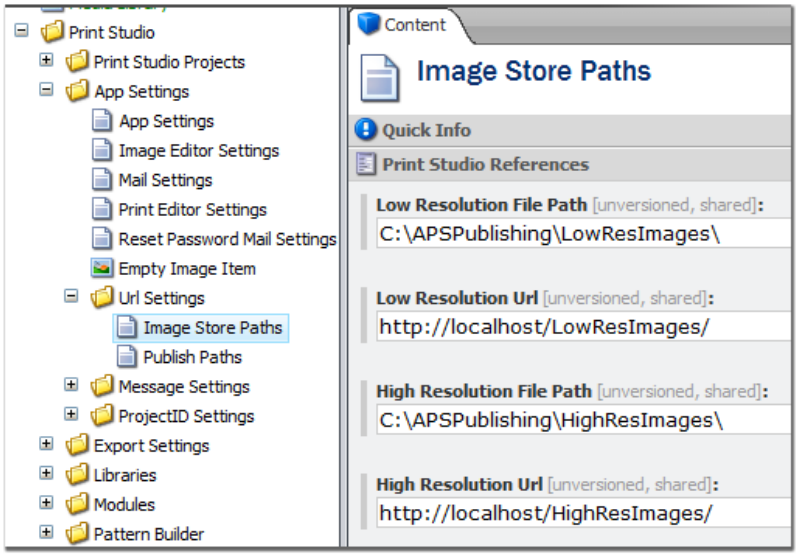
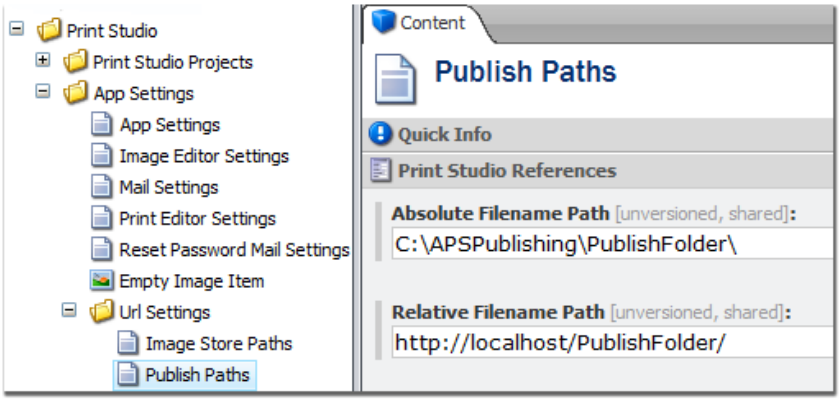
1. **Image Store Paths** */sitecore/Print Studio/App Settings/Url Settings/Image Store Paths*



These settings must be according to the location where the files are being stored on a file server in the network. The files are fetched by InDesign Server when publishing.

2. **Publish Paths** */sitecore/Print Studio/App Settings/Url Settings/Publish Paths*



These settings must be according to the location where the published files must be stored (PDF and/or Flash) on a file server in the network. The files get download links (send in e-mail message) when published and authorized users can download it.

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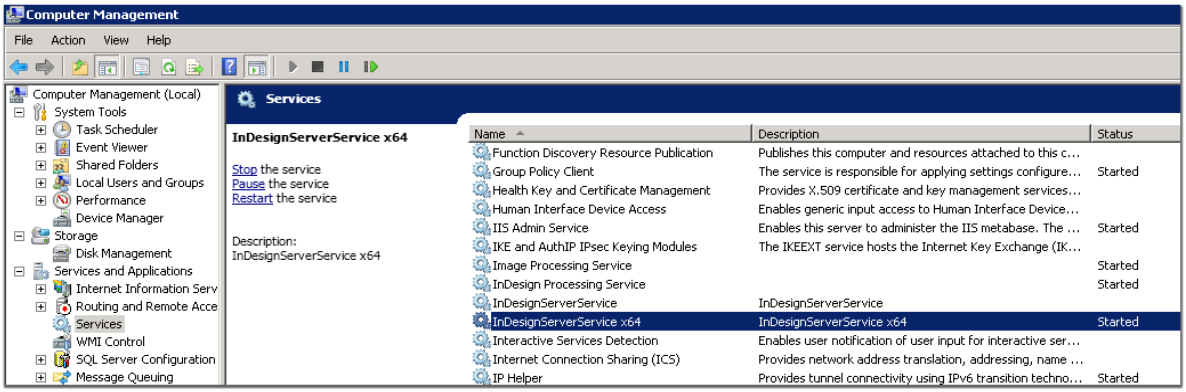
3.6 Installing Windows Services

3.6.1 InDesign Server CS5.5

Installation

The InDesign Server Windows Service is installed with the installer as provided by Adobe. It automatically installs the 64-bit and 32-bit service according to the hardware used and operating system that is available on the system.

When the system is 64-bit it is recommended to use that Service for publishing. This means the 32-bit service does not need to be started.



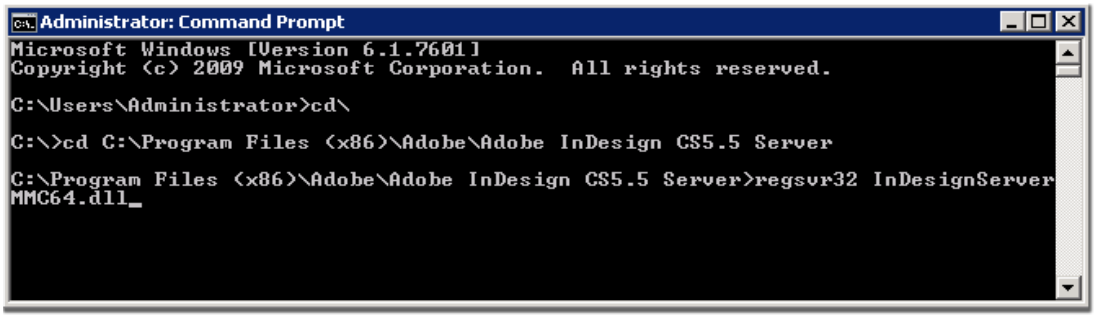
Snap-in

The InDesign Server Windows Service needs the **InDesign Server Service Management Console snap-in** for selecting the correct port for sending Soap messages.

When the needed snap-in is not available for the 64-bit service (after installing with the installer) it needs to be installed with the dos-shell command line.

```
C:\Program Files (x86)\Adobe\Adobe InDesign CS5.5 Server\regsvr32
InDesignServerMMC64.dll
```

1. Select the folder to install the snap-in from (32-bit path).



2. Add the command **regsvr32 InDesignServerMMC64.dll**

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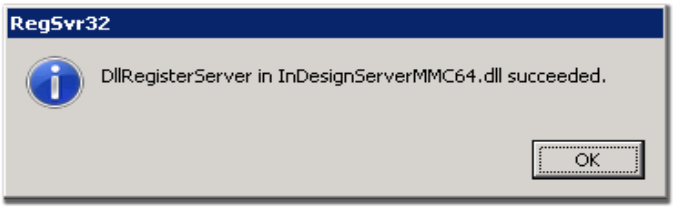
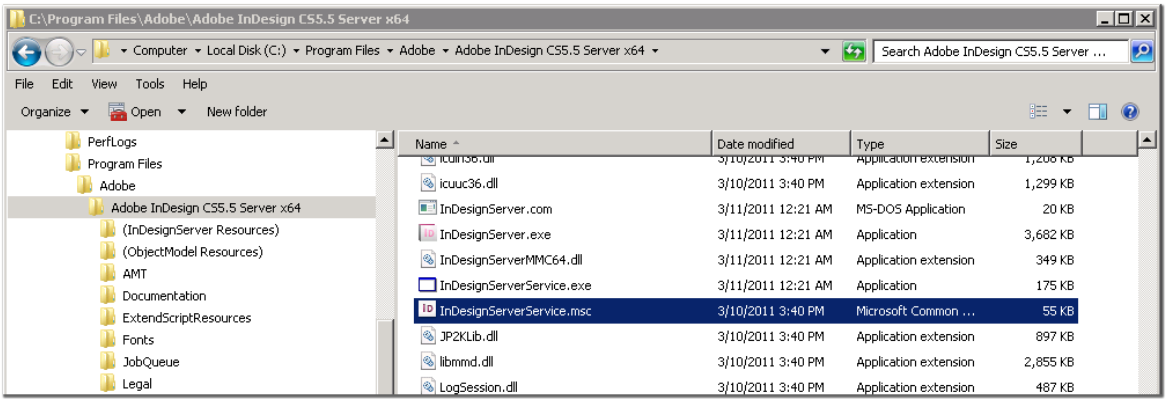
3. Confirm with enter the message as below is shown.



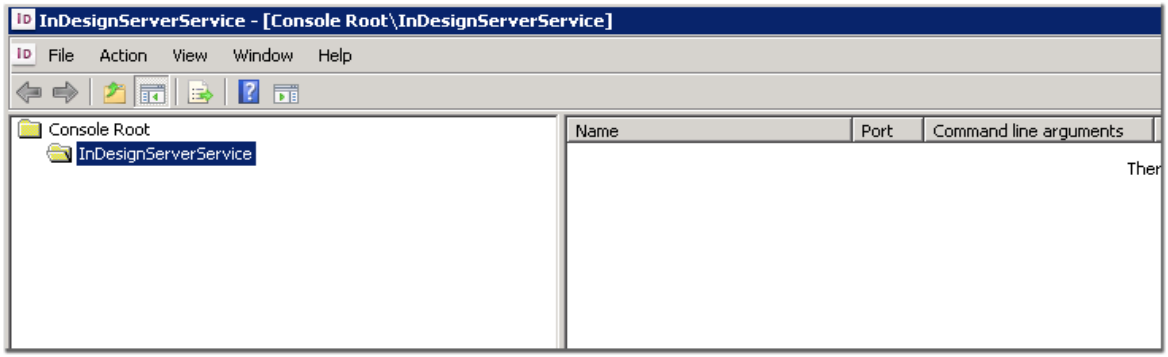
Then continue with the following steps:

1. Select the **Management Console**

```
C:\Program Files\Adobe\Adobe InDesign CS5.5 Server
x64\InDesignServerService.msc
```



2. Double-click the **Management Console** file to start it.



3. Select the folder **InDesignServerService**.

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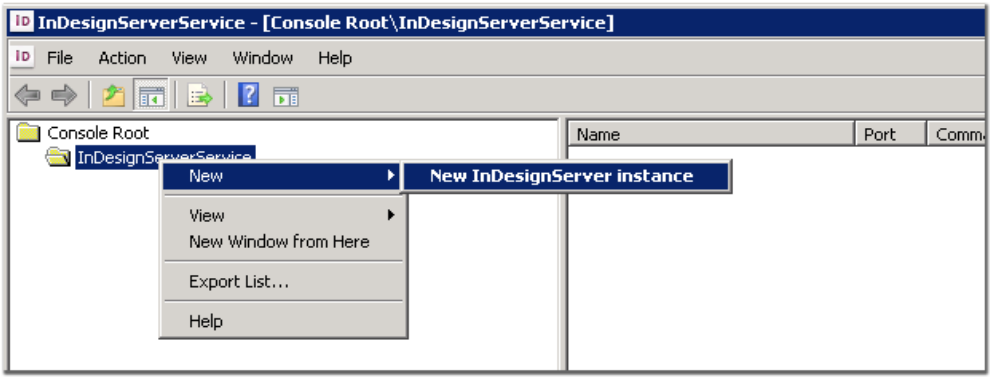
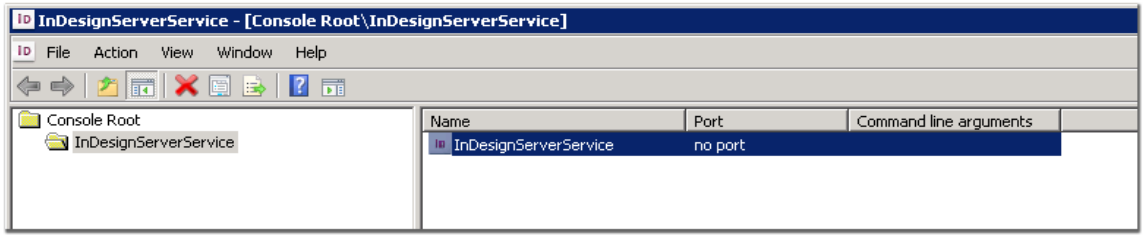
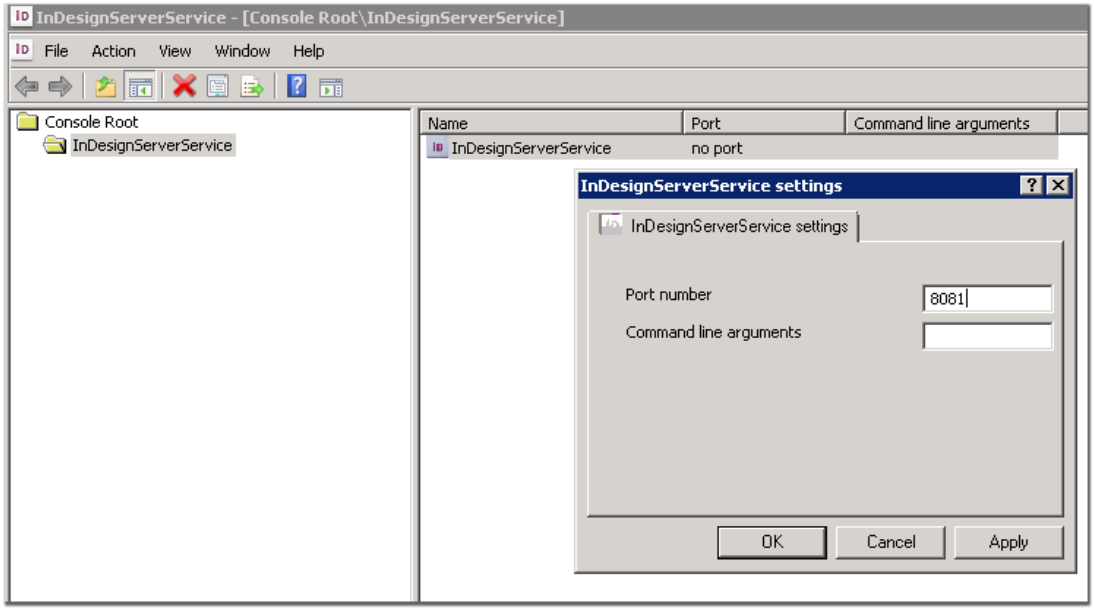
4. Right-click and select **New**, and select **New InDesignServer Instance**.



5. Select **InDesignServer Service**.



6. Right-click and select **Properties**.
7. Insert the needed port number (default 8081 for InDesign Server) and confirm with OK.



8. Open the **Computer Management Console**.

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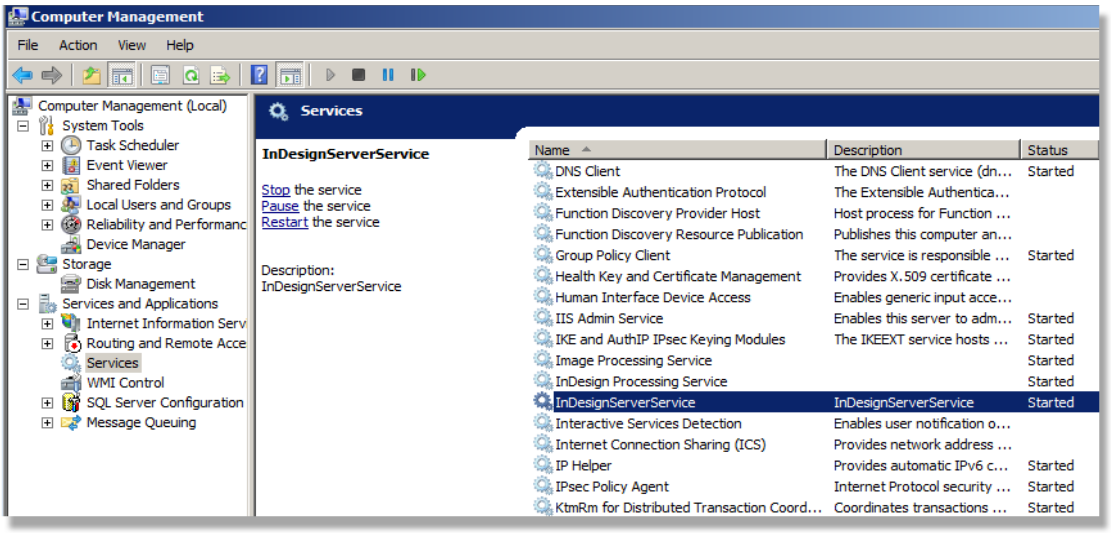
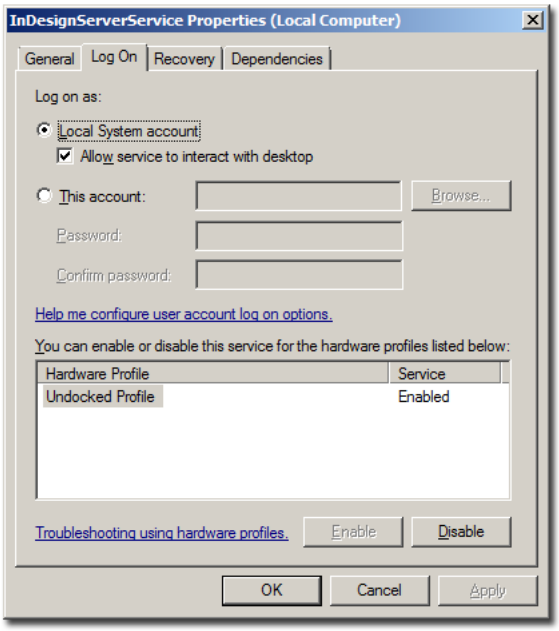
9. Select the InDesignServerService



10. Select the **Local System account** user for running the service



Note
Depending on your network settings, you may need to logon using a different account.

11. (Re)start the **InDesign Server Service** and wait a few seconds.

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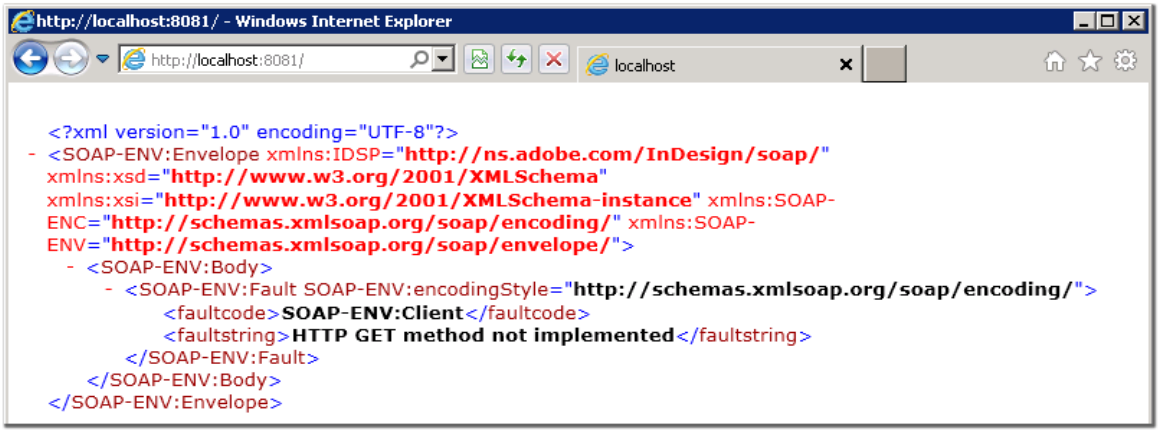
12. Check in the browser with the address and port number (for example http://localhost:8081/) InDesign server runs correctly. If the following message displays, the service runs and can be used for publishing.



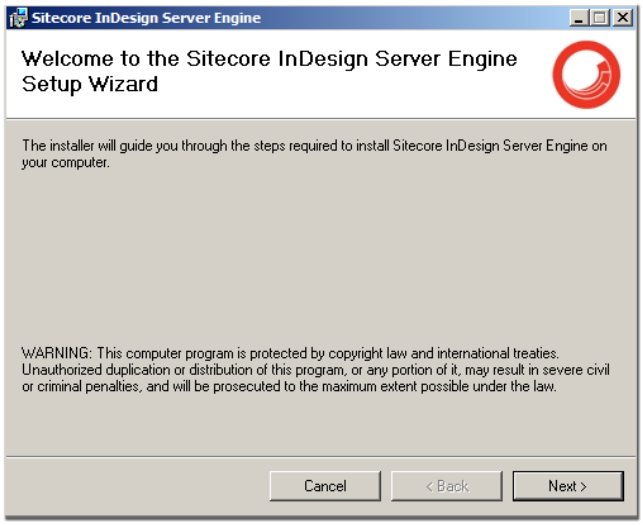
3.6.2 InDesign Server Engine CS5.5

The Indesign Server Engine CS5.5 is used for publishing all documents with InDesign Server CS5.5. It is not a windows service, but a plug-in on InDesign Server. Installation is done using IDSEngineSetup32.msi or IDSEngineSetup64.msi.

Configurations are being stored in the **Config.ini** located in the installation folder of the service, usually in C**:\Program Files\Adobe\Adobe InDesign CS5.5 Server x64\Plug-Ins\Sitecore** or **C:\Program Files (x86)\Adobe\Adobe InDesign CS5.5 Server\Plug-Ins\Sitecore**.

Installation

1. Start the *IDSEngineSetup64.msi*.



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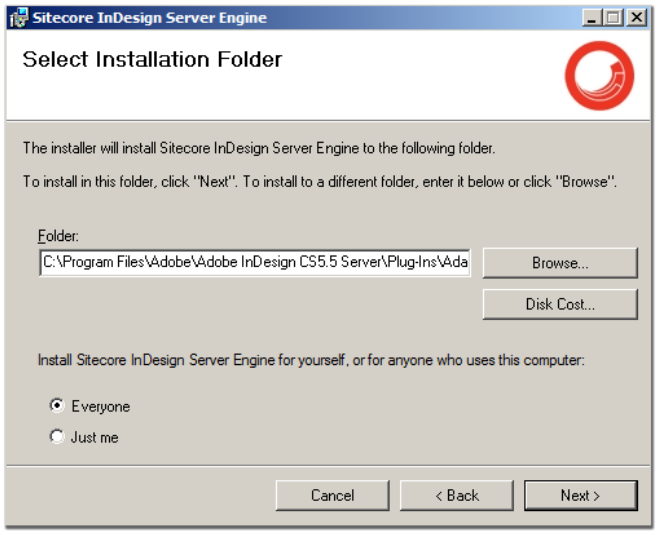
2. Select “I Agree” and confirm with **Next** on the license agreement
3. Click **Next** and on the next screen select “Everyone” option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won’t be able to change it later.



4. Click **Next** to start the installation.

Note
From this point forward the installation will proceed and may only be canceled.

5. The installation is finished, click **Close** to exit.
6. **Start** or **restart** the InDesign Server Service CS5.5.

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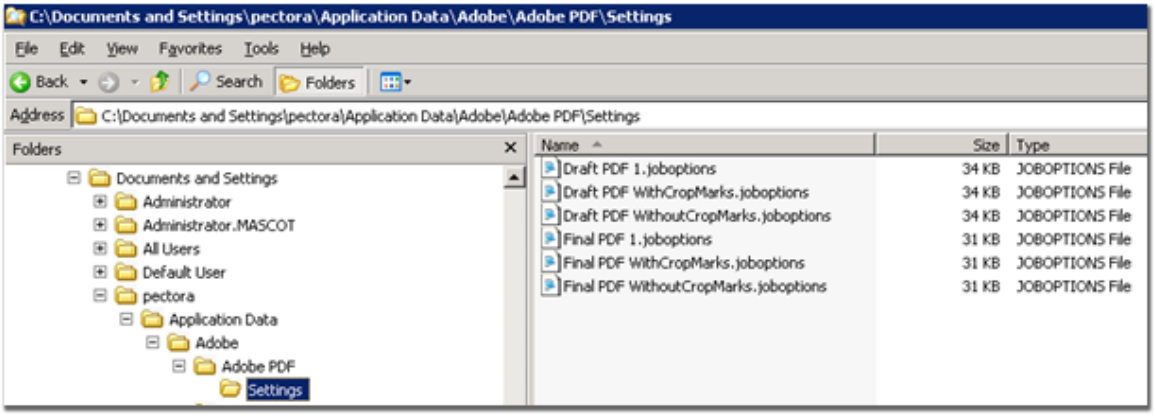
3.6.3 Additional settings

PDF Settings

The Publishing Settings items (/sitecore/Print Studio/Publishing Settings) refer to the PDF settings files (.job.options) as available on the publishing server (Server with InDesign Server CS5.5).

The required “PDF Settings” can be created for example with Adobe InDesign CS5.5.



The joboptions file must be available on the server running InDesign Server for the correct user folder, for example as above.

Note
Restart the InDesign Server Service after adding new .joboptions.

Fonts

All fonts needed for publishing must be available on the server and on the client systems as well. The Print Studio Center uses the fonts as available in the **APSPublishing\Fonts** folder and reference in the **Fontlist.xml** (can be found in the same folder).

Substitute fonts can be used if needed. The publishing will be done with the original fonts which are referred in the Master (InDesign CS5.5 Master) which is used for the final publishing (PDF).

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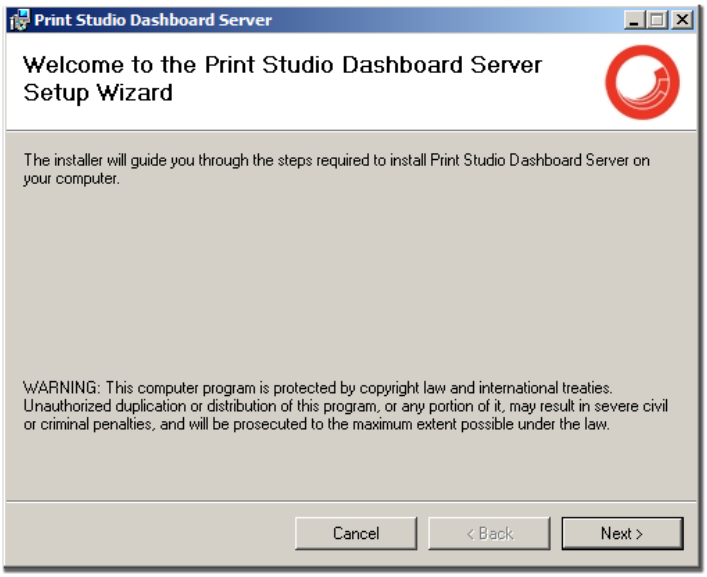
3.6.4 Installing Dashboard Service

The Dashboard Service handles jobs in the MS Queues. Installation is done using *PrintStudioDashboardServerSetup.msi.*

Installation

1. Start the *PrintStudioDashboardServerSetup.msi*.



2. .Select “I Agree” and confirm with **Next** on the license agreement
3. Click **Next** and on the next screen select “Everyone” option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you will not be able to change it later
4. Click **Next** to start the installation

.

Note
From this point forward the installation will proceed and may only be canceled.

5. When installation is done, click **Close** to exit.

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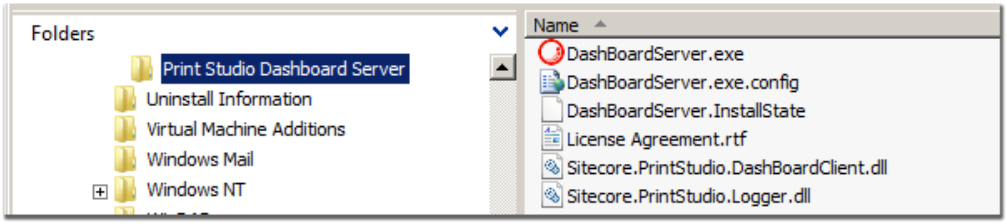
Configuration

The configuration values are stored in **DashBoardServer.exe.config** located in the installation folder of the service, usually in **C:\Program files(x86)\Sitecore\ Print Studio Dashboard Server**.



1. Open *DashBoardServer.exe.config* and Edit the appropriate values.

```
<configSections>
    <section name="Sitecore.PrintStudio.LoggerSettings"
  type="Sitecore.PrintStudio.Logger.Settings.LoggerSettings, Sitecore.PrintStudio.Logger" />
  </configSections>
  <Sitecore.PrintStudio.LoggerSettings>
    <LogFile>
      <add key="LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />
      <add key="LogFileName" value="AppLog" />
      <add key="LogMaxSizeInBytes" value="500000" />
    </LogFile>
  </Sitecore.PrintStudio.LoggerSettings>
  <appSettings>
    <add key="PrintStudio.DBServer.QueuesPath" value=".\Private$\PrintStudio_" />
    <add key="PrintStudio.DBServer.SMTPClient" value="localhost" />
    <add key="PrintStudio.DBServer.FromEmailAddress" value="publishing@printstudio.com" />
    <add key="PrintStudio.DBServer.LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />
  </appSettings>
```

2. Edit the LogFolder with the appropriate value.

```
  <add key="LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />
```

3. Edit the AppSettings section

Configuration keys description for Print Studio Dashboard Server

PrintStudio.DBServer.QueuesPath	Path to MS Queue used for jobs
PrintStudio.DBServer.SMTPClient	SMTP Server address used for handling e-mail notifications.
PrintStudio.DBServer.FromEmailAddress	E-mail address that is used as FROM in the notifications
PrintStudio.DBServer.LogFolder	Location of the Logs files

4. Edit the appropriate value for DashBoardWebService reference in the Service Model section.

```
<system.serviceModel>
    <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />
    <services>
      <service behaviorConfiguration="DashBoardWebServiceBehavior"
```

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```
name="Sitecore.PrintStudio.DashBoardServer.DashBoardWebService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"/>
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
      <host>
        <baseAddresses>
          <add baseAddress="http://localhost:8070/DashBoardWebService"/>
        </baseAddresses>
      </host>
    </service>
  </services>
  <behaviors>
    <serviceBehaviors>
      <behavior name="DashBoardWebServiceBehavior">
        <serviceMetadata policyVersion="Policy15" httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="false" />
      </behavior>
    </serviceBehaviors>
  </behaviors>
  <bindings>
    <basicHttpBinding>
      <binding name="BasicHttpBinding_IDashBoardWebService"
hostNameComparisonMode="StrongWildcard"
      receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
      maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
maxBufferPoolSize="2147483647"
      transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647" />
        <security mode="None" />
      </binding>
    </basicHttpBinding>
  </bindings>
</system.serviceModel>
```

5. **Save** and **Close** the configuration file.

Note
Service needs to be started as described in next step, or restarted if already running.

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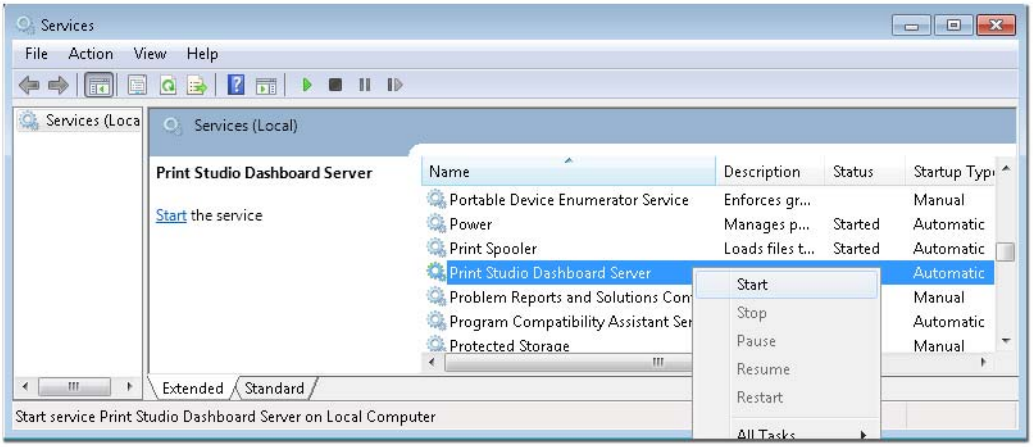
6. Open **Services** management console and select **Print Studio Dashboard Server** service.



7. Right-click and select **Start**.

Uninstalling

To remove the service, open Add/Remove Programs and select **Print Studio Dashboard Server**. Click **Remove** and follow the uninstall wizard steps.

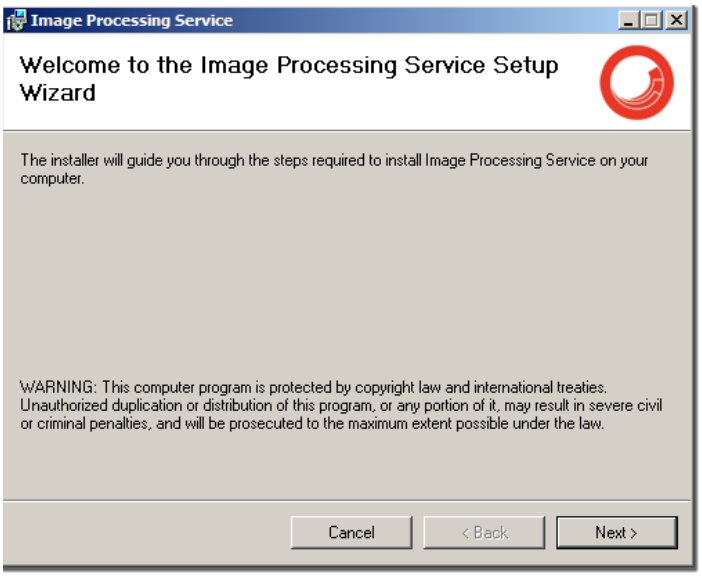
3.6.5 Image Processing Service

Installation is done using ImageEngineProcessingServiceSetup.msi or PrintStudioImageProcessingService_x64.msi.

Configurations are being stored in **ImageProcessingService.exe.config** located in the installation folder of the service, usually in **C:\Program files\Sitecore\Image Processing Service**.

Installation

1. Start the PrintStudioImageProcessingService.msi.



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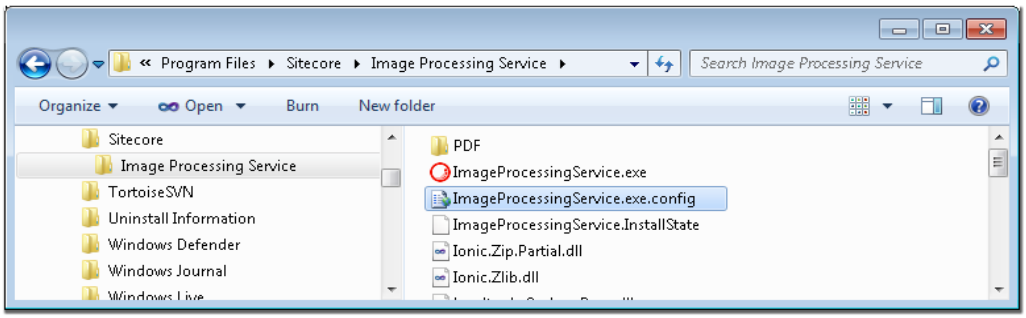
2. Select “I Agree” and confirm with **Next** on the license agreement
3. Click **Next** and on the next screen select “Everyone” option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won’t be able to change it later.
4. Click **Next** to start the installation.

Note
From this point forward the installation will proceed and may only be canceled.

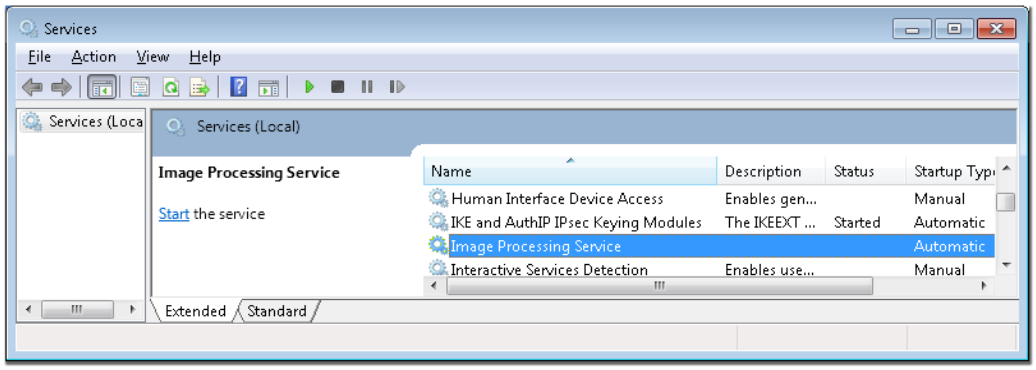
5. The installation is done, click **Close** to exit.

Configuration

The configuration values are stored **ImageProcessingService.exe.config** in the destination folder selected at the previous step of the installation wizard.



After successful installation you the service is available in the system Services, accessible by computer Management console. By default the service is not started.



Prior starting the service it is best to first make sure all the configuration settings are correct and valid.

1. Navigate to the installation folder and **Open** *ImageProcessingService.exe.config.*
   The **<applicationSettings>**is the main section that holds the configuration keys and values, and should be modified according the environment requirements.

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2. Verify and **Edit** if necessary the values for the keys referencing web services or folder locations.

```
<configSections>
    <section name="Sitecore.PrintStudio.LoggerSettings"
  type="Sitecore.PrintStudio.Logger.Settings.LoggerSettings, Sitecore.PrintStudio.Logger" />
    <sectionGroup name="applicationSettings" type="System.Configuration.ApplicationSettingsGroup,
  System, Version=2.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" >
      <section name="ImageProcessingService.Properties.Settings"
  type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0, Culture=neutral,
  PublicKeyToken=b77a5c561934e089" requirePermission="false" />
    </sectionGroup>
  </configSections>

  <Sitecore.PrintStudio.LoggerSettings>
    <LogFile>
      <add key="LogFolder" value="C:\APSPublishing\Logs\ImageProcessingService\" />
      <add key="LogFileName" value="AppLog" />
      <add key="LogMaxSizeInBytes" value="500000" />
    </LogFile>
  </Sitecore.PrintStudio.LoggerSettings>

  <applicationSettings>
    <ImageProcessingService.Properties.Settings>
      <setting name="PingInterval" serializeAs="String">
        <value>3000</value>
      </setting>
      <setting name="ActiveThreads" serializeAs="String">
        <value>3</value>
      </setting>
      <setting name="DashboardServiceType" serializeAs="String">
        <value>ImageProcessingService</value>
      </setting>
      <setting name="DownloadStoreFolder" serializeAs="String">
        <value>Download</value>
      </setting>
      <setting name="IccProfilePath" serializeAs="String">
        <value>C:\Windows\System32\spool\drivers\color\EuroscaleCoated.icc</value>
      </setting>
      <setting name="ImageOperationsProvider" serializeAs="String">
        <value>PrintStudio.ImageProcessing.LeadtoolsOperations</value>
      </setting>
      <setting name="ServerStoreFolderPath" serializeAs="String">
        <value>C:\APSPublishing\ImageJobStore</value>
      </setting>
      <setting name="ServerStoreFolderUrl" serializeAs="String">
        <value>http://localhost/ImageJobStore/</value>
      </setting>
      <setting name="ZipHandler" serializeAs="String">
        <value>http://localhost/PrintStudio/Handlers/DownloadHandler.ashx</value>
      </setting>
     </ImageProcessingService.Properties.Settings>
  </applicationSettings>
```

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Configuration keys description

LogFolder	Path to service log folder.
PingInterval	Interval used to check for a job on Dashboard web service.
ActiveThreads	Maximum number of threads being created and used by the service.
DashboardServiceType	Value indicating what the job type is, so that the service checks for that particular job type in the queue.
DownloadStoreFolder	Name of the folder where the zip file with the corresponding converted files will be stored.
IccProfilePath	Path to ICC Profile used for CMYK color conversion.
ImageOperationsProvider	The Service Provider to be used for image operations.
ServerStoreFolderPath	Physical path of the folder where the zip files are being stored. The zip file will be store inside [ServerStoreFolderPath]\\[UserId]\\[DownloadStoreFolder]\\[SessionId]\\[ddmmyyyy hhmmss].zip
ServerStoreFolderUrl	URL of the folder where the generated zips are being stored, it should be accessible over the intranet/internet as it is used to construct a link for downloading the converted files.
ZipHandler	Address of file download handler for downloading the zip files in the convert and download result e-mail.

3. Edit the appropriate values for DashBoardWebService and MediaService references in the Service Model section.

```
<system.serviceModel>
  <bindings>
    <basicHttpBinding>
      <binding name="BasicHttpBinding_MediaService"
        receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
        allowCookies="false" bypassProxyOnLocal="false" hostNameComparisonMode="StrongWildcard"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
maxBufferPoolSize="2147483647"
        messageEncoding="Text" textEncoding="utf-8" transferMode="Buffered"
        useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647"
          maxBytesPerRead="2147483647"/>
        <security mode="None">
          <transport clientCredentialType="None" proxyCredentialType="None"
            realm="" />
          <message clientCredentialType="UserName" algorithmSuite="Default" />
```

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```
        </security>
      </binding>
      <binding name="BasicHttpBinding_IDashBoardWebService"
hostNameComparisonMode="StrongWildcard"
        receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
maxBufferPoolSize="2147483647"
        transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647" />
        <security mode="None" />
      </binding>
    </basicHttpBinding>
  </bindings>
  <client>
    <endpoint address="http://localhost/PrintStudio/Services/MediaService.svc"
      binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_MediaService"
      contract="MediaService.MediaService" name="BasicHttpBinding_MediaService" />
    <endpoint address="http://localhost:8070/DashBoardWebService"
        binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
        contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
name="BasicHttpBinding_IDashBoardWebService" />
  </client>
</system.serviceModel>
```

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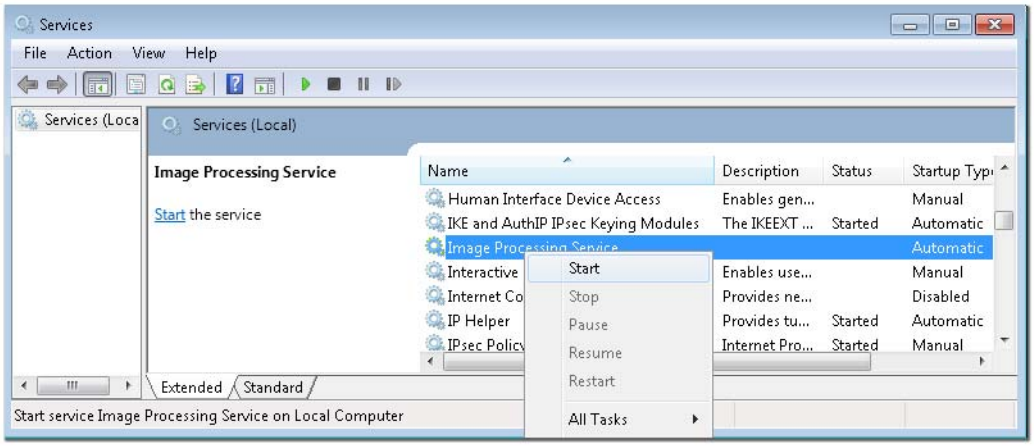
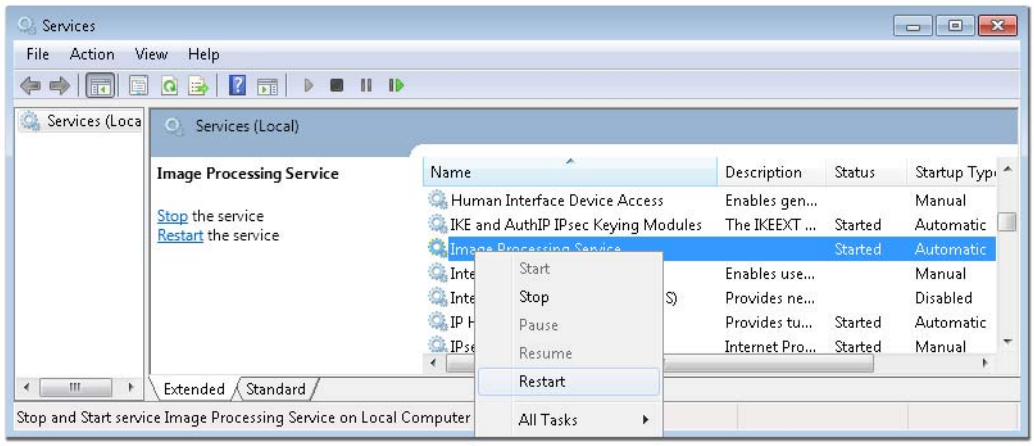
4. After configuration is done, you can start the service.



Note
After changing any of the configuration values the service needs to be restarted.



Uninstalling

To remove the service, open Add/Remove Programs and select **Image Processing Service**. Click **Remove** and follow the uninstall wizard steps.

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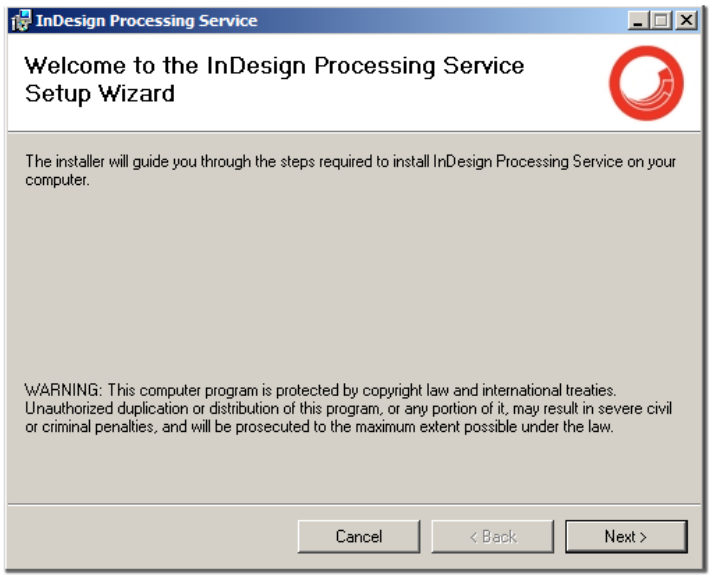
3.6.6 Installing InDesign Processing Service

The InDesign Processing Service handles publishing from Print Studio Editor to InDesign Server. Installation is done using *PrintStudioInDesignServiceSetup.msi.* Configurations are being stored in *DashBoardInDesignService.exe.config* located in the installation folder of the service, usually in **C:\Program files\Sitecore\InDesign Processing Service**.

Installation

1. Start the *PrintStudioInDesignServiceSetup.msi.*



2. Select “I Agree” and confirm with **Next** on the license agreement
3. Click **Next** and on the next screen select “Everyone” option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won’t be able to change it later.
4. Click **Next** to start the installation.

Note
From this point forward the installation will proceed and may only be canceled.

5. The installation is done, click Close to exit.

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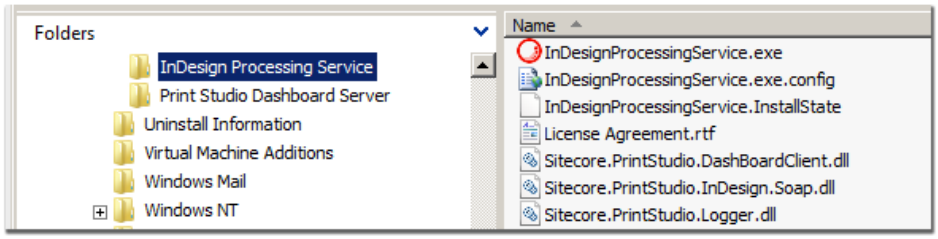
Configuration

The configuration values are stored **InDesignProcessingService.exe.config** in the destination folder selected at the previous step of the installation wizard.



1. Open *InDesignProcessingService.exe.config* and Edit the appropriate values for **PrintStudio.DBServer.LogFolder** and **PrintStudio.DBServer.IPAddress**.

```
<Sitecore.PrintStudio.LoggerSettings>
    <LogFile>
      <add key="LogFolder" value="C:\APSPublishing\Logs\InDesignProcessingService\"/>
      <add key="LogFileName" value="AppLog"/>
      <add key="LogMaxSizeInBytes" value="500000"/>
    </LogFile>
  </Sitecore.PrintStudio.LoggerSettings>
<appSettings>
    <add key="PrintStudio.DBServer.SMTPClient" value="localhost"/>
    <add key="PrintStudio.DBServer.ServiceType" value="InDesignServer"/>
    <add key="PrintStudio.DBServer.ServiceVersion" value="CS5.5"/>
    <add key="PrintStudio.DBServer.FromEmailAddress" value="publishing@sitecore.net"/>
    <add key="PrintStudio.DBServer.ToEmailAddress" value=""/>
    <add key="PrintStudio.DBServer.EmailNotification" value="off"/>
  </appSettings>
```

Configuration keys description for InDesign Processing Service

LogFolder	Folder to write the log files.
PrintStudio.DBServer.SMTPClient	The SMTP Client version.
PrintStudio.DBServer.ServiceType	Service type for publishing.
PrintStudio.DBServer.ServiceVersion	InDesign Server version.
PrintStudio.DBServer.FromEmailAddress	E-mail to notify for the results, used as sender.
PrintStudio.DBServer.ToEmailAddress	E-mail to notify for the results, used as receiver.
PrintStudio.DBServer.EmailNotification	Notification set for e-mail.
system.serviceModel.client.endpoint. address	URL address of Dashboard web service.

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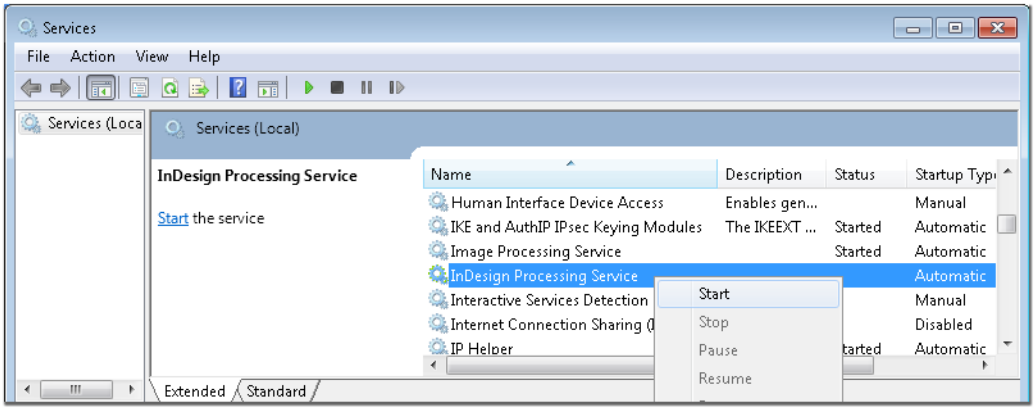
2. Edit the appropriate value for **DashBoardWebService** reference.

```
<system.serviceModel>
    <bindings>
      <basicHttpBinding>
        <binding name="BasicHttpBinding_IDashBoardWebService"
  hostNameComparisonMode="StrongWildcard"
          receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
  closeTimeout="00:30:00"
          maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
  maxBufferPoolSize="2147483647"
          transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
  bypassProxyOnLocal="false" useDefaultWebProxy="true">
         <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
  maxDepth="2147483647" maxStringContentLength="2147483647" />
         <security mode="None" />
        </binding>
      </basicHttpBinding>
    </bindings>
    <client>
      <endpoint address="http://localhost:8070/DashBoardWebService"
          binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
          contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
  name="BasicHttpBinding_IDashBoardWebService" />
    </client>
  </system.serviceModel>

address=http://localhost:8070/DashBoardWebService
```

3. **Save** and close the configuration file.

4. **Open** Services management console, and select InDesign Processing Service.



5. Right-click and select **Start**.

Uninstalling

To remove the service, open Add/Remove Programs and select **InDesign Processing Service**. Click **Remove** and follow the uninstall wizard steps.

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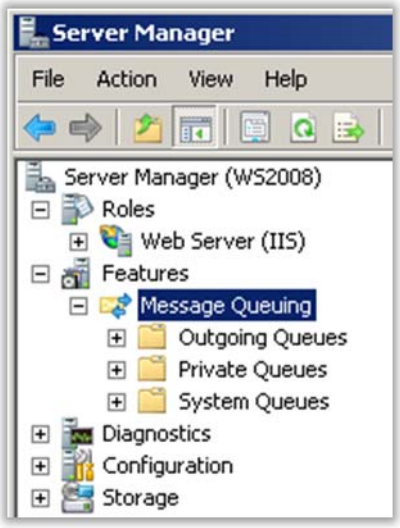
3.7 Configure MS Queue Server

Verify MS Queue server installed (Windows Server 2008)

1. Click Start Menu, navigate to **Administrative Tools** and select **Server Manager**.
2. Click to expand the Features in the Server Manager tree, **Message Queuing** should be available.



Note
If the Message Queuing is not available in the Features node, it can be installed via Add Feature option in the Server Manager's Features Summary panel.

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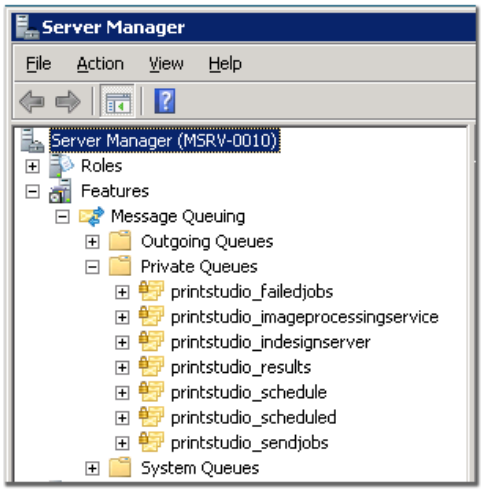
3. Click to expand the **Private Queues** node, if the queues are installed correctly the following should be seen in the Private Queues tree.



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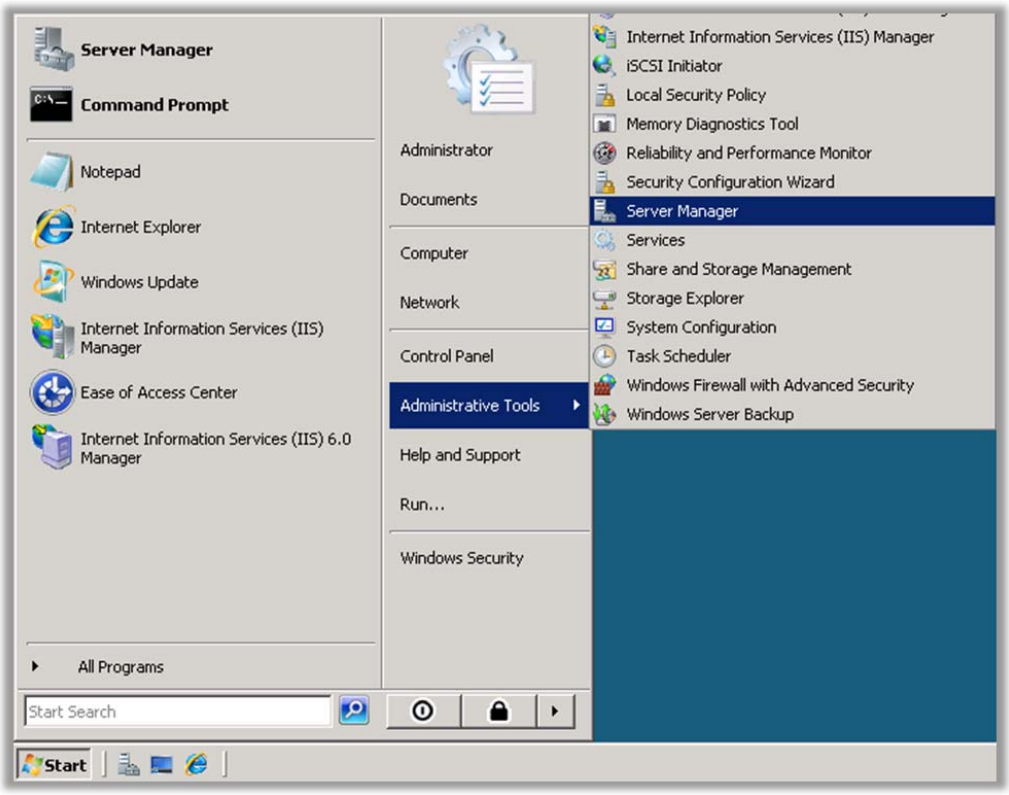
3.8 Configure SMTP Server

3.8.1 Requirements

- SMTP Server.
- Internet Information Services 6.0 Manager (used for configuring the SMTP server settings).
- Telnet client (for testing only).

3.8.2 Verify Service is Installed (Windows Server 2008)

1. Open **Start Menu**, click **Administrative Tools**, **Server Manager**



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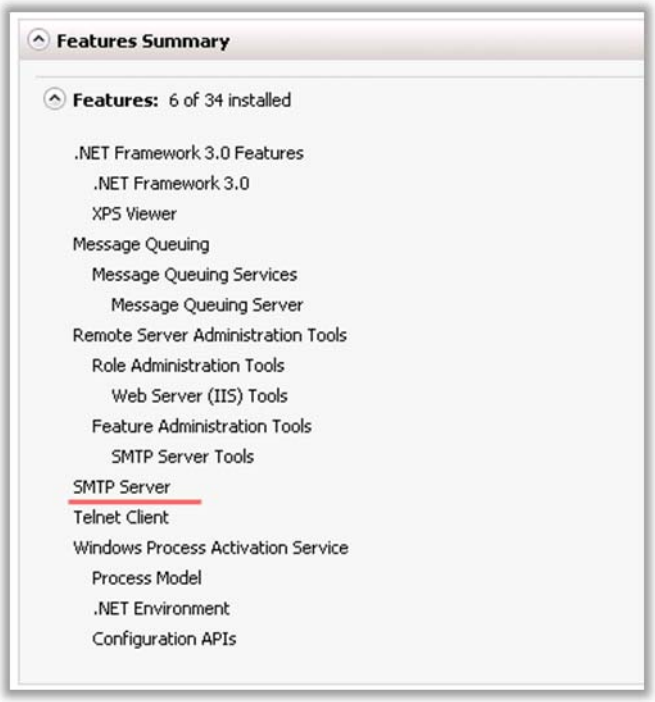
2. In Features Summary verify SMTP Server is listed.



3. Open **Start Menu,** click **Administrative Tools**, **Internet Information Services (IIS) 6.0 Manager**.

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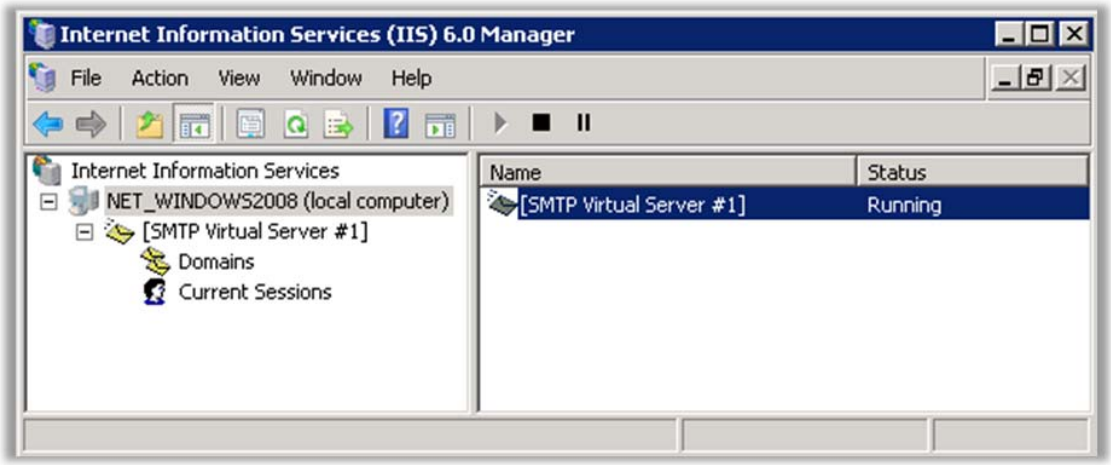
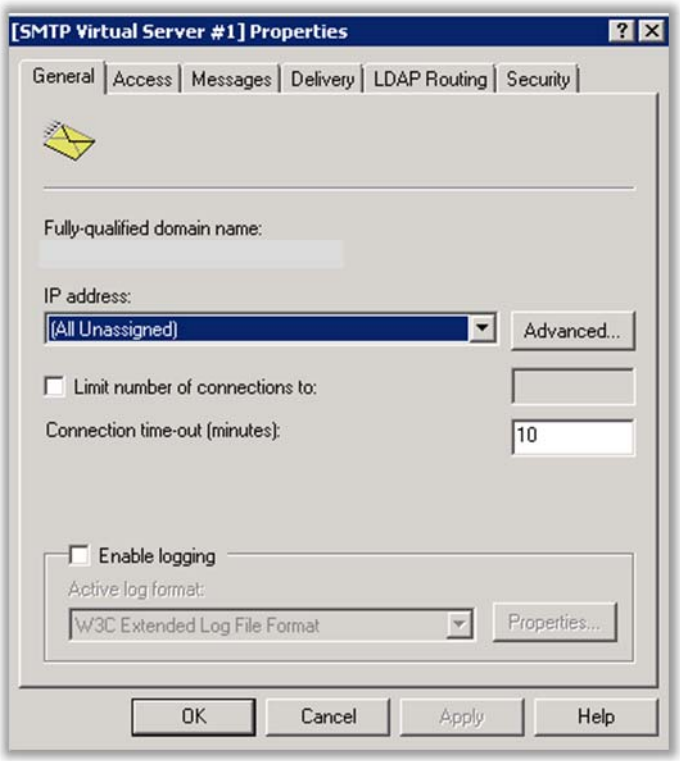
4. Expand local computer and check the [SMTP Virtual Server #1] is running.



5. Right-click [**SMTP Virtual Server #1**] and select Properties. Verify the server IP corresponds to the address used in the configurations of the services.



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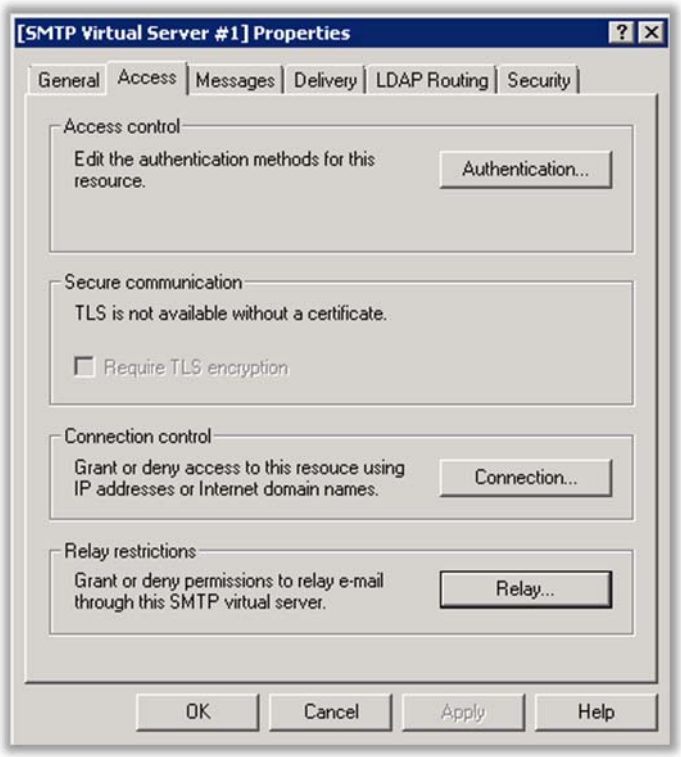
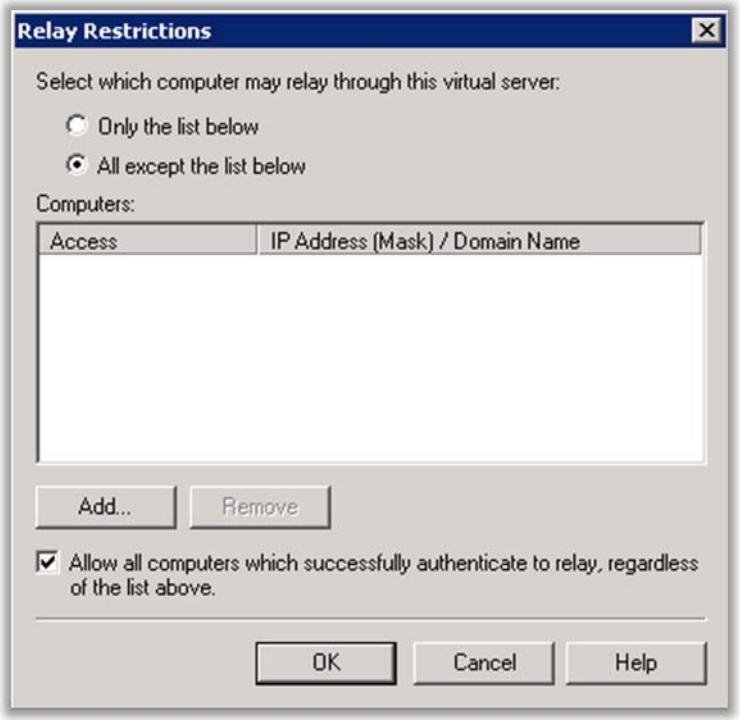
6. Select **Access** tab and click **Relay**.



7. Verify the options are set as shown below.



8. Close **Properties**.

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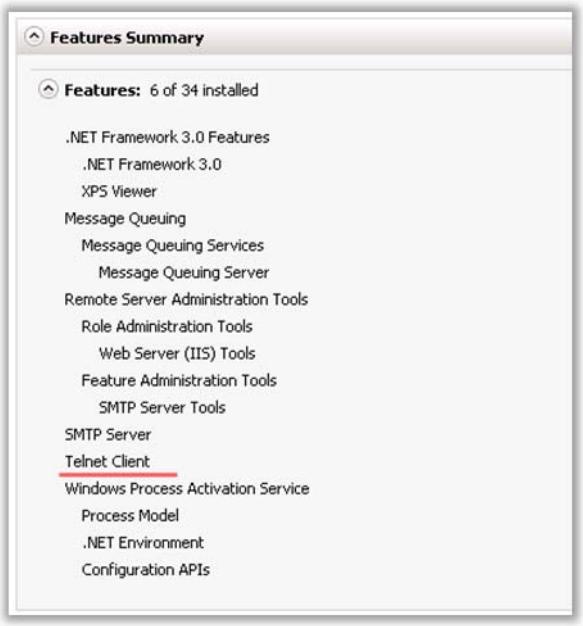
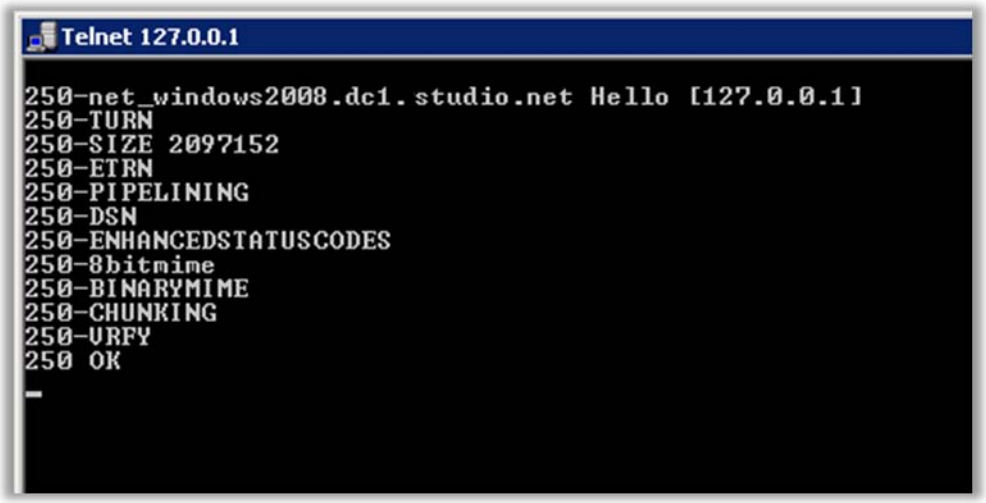
9. In order to test the server is running you need to use a suitable telnet client. Default telnet client can be used if installed.



10. Start a command prompt (**Start Menu**, Run type **cmd** and click **OK**).
11. Type telnet **ServerName 25**, where ServerName is the SMTP server name or IP address and 25 is the port number, and then press ENTER.
12. Type **EHLO**, and then press ENTER, if the service is running and operating normally you should receive result as:



13. To exit telnet client type **QUIT** and hit Enter.

For more information on telnet commands and testing SMTP refer to http://support.microsoft.com/kb/304897

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Chapter 4

Client Side

This chapter describes how to install the InDesign Connector and InCopy Connector plug-ins on the client machines.

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4.1 Client Requirements

The InDesign Connector and InCopy Connector plug-ins require the windows Adobe Desktop versions:

- Windows InDesign CS5.5 (v7.5 or higher)
- Windows InCopy CS5.5 (v7.5 or higher)

4.2 Installation Plug-in InDesign CS5.5

Installation is done using IDConnectorSetup.msi. The configurations are being stored in **config.ini** located in the installation folder, usually in **C:\Program Files\Adobe\Adobe InDesign CS5.5\Plug-Ins\Sitecore**.

Installation

1. Start the IDConnectorSetup.msi.
2. Select “I Agree” and confirm with **Next** on the license agreementClick **Next** and on the next screen select “**Everyone**” option, you can also change the destination folder.
3. Click **Next** to start the installation. Note that from this point forward the installation will proceed and may only be canceled.
4. The installation is done, click **Close** to exit.

Configuration

The Sitecore InDesign Connector does use a cache folder to stored temporary files. During the installation of the plug-in default the folder C:\Projects\ is created on the client system. If you prefer to store these cache files on a different location, just change it manually in the **config.ini**, which can be find in the same location as the plug-in **C:\Program Files\Adobe\Adobe InDesign CS5.5\Plug-Ins\Sitecore**.

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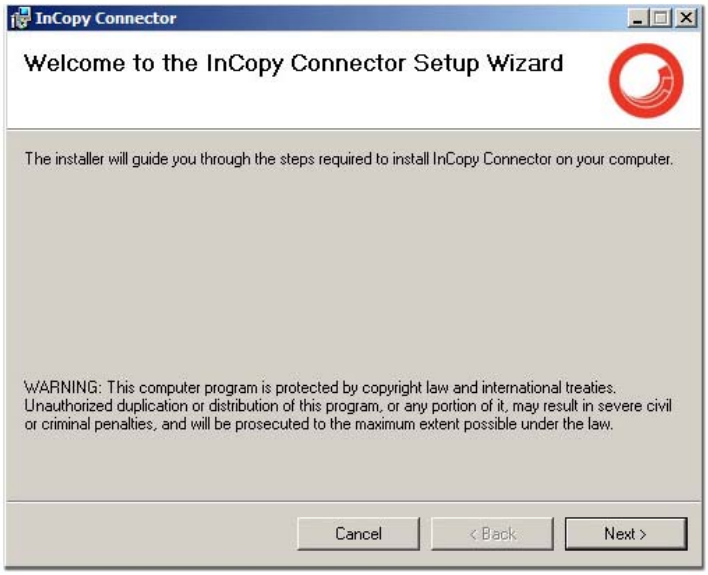
4.3 Installation Plug-in InCopy CS5.5

Installation is done using ICConnectorSetup.msi. The configurations are being stored in **config.ini** located in the installation folder, usually in **C:\Program Files\Adobe\Adobe InCopy CS5.5\Plug-Ins\Sitecore**.

Installation

1. Start the ICConnectorSetup.msi.



2. Select “I Agree” and confirm with **Next** on the license agreement
3. Click **Next** and on the next screen select “**Everyone**” option, you can also change the destination folder.
4. Click **Next** to start the installation. Note that from this point forward the installation will proceed and may only be canceled.
5. The installation is done, click **Close** to exit.

Configuration

The Sitecore InDesign Connector does use a cache folder to stored temporary files. During the installation of the plug-in default the folder C:\Projects\ is created on the client system. If you prefer to store these cache files on a different location, just change it manually in the **config.ini**, which can be find in the same location as the plug-in **C:\Program Files\Adobe\Adobe InCopy CS5.5\Plug-Ins\Sitecore**.

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Chapter 5

Product installation troubleshooting

This chapter provides troubleshooting procedures for basic problems with the installation of the APS Module.

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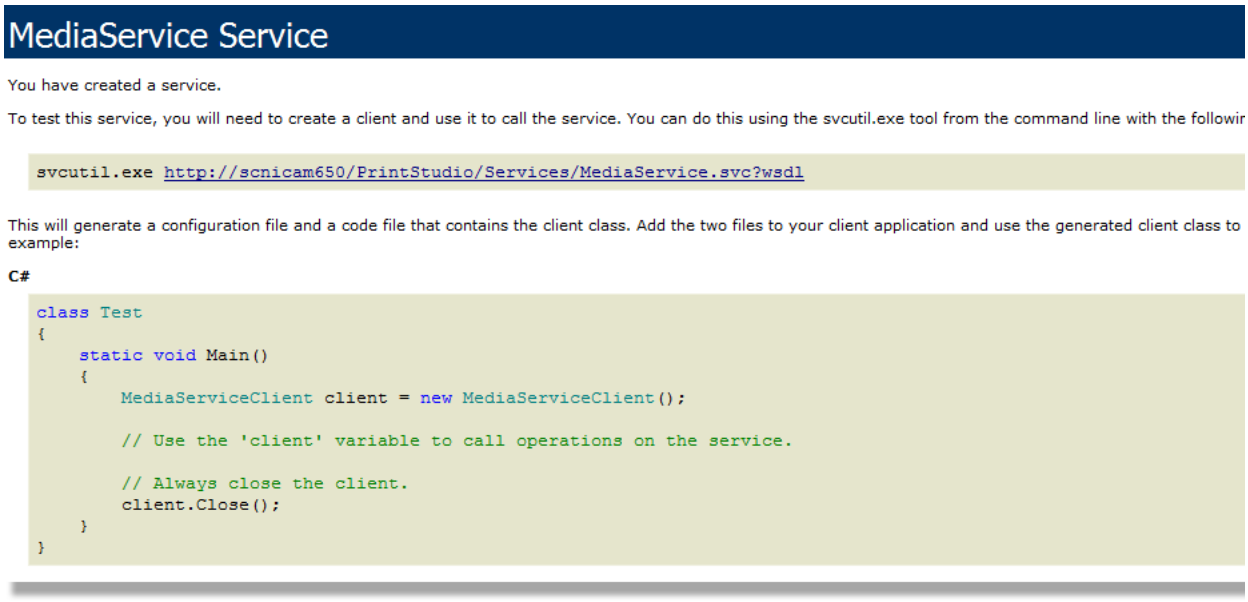
5.1 Common Installation Issues

5.1.1 Application does not Load

If you see the loading splash screen but the application fails to load, make sure that the WCF services are working and that WCF is correctly installed. Try to confirm that WCF services are working on:

http://localhost/PrintStudio/Services/DesktopService.svc

If you installed WCF correctly, the following message will display.



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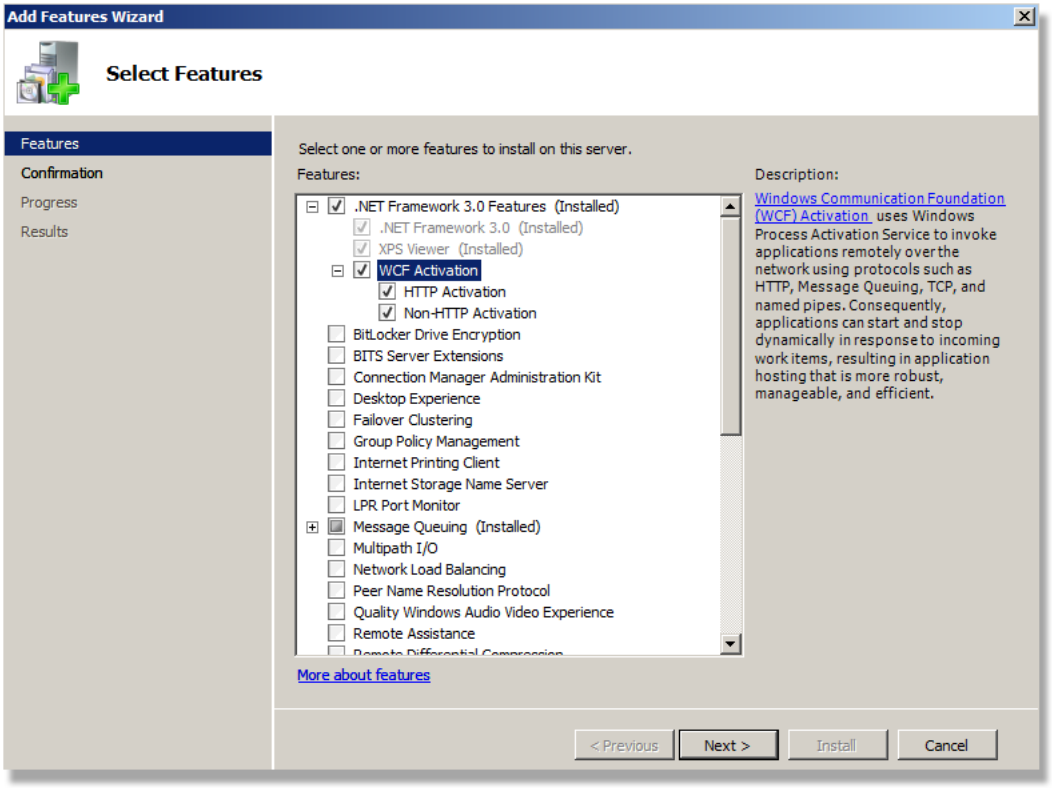
To install WCF, see Deploying an Internet Information Services-Hosted WCF Service



5.1.2 Could not Load File or Assembly

If, during the package install, you encounter the following error:

Server Error in '/' Application.

Could not load file or assembly 'Leadtools.Codecs.Bmp' or one of its dependencies. An attempt was made to load a program with an incorrect format.

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the c

Exception Details: System.BadImageFormatException: Could not load file or assembly 'Leadtools.Codecs.Bmp' or one of its dependencies. An attempt was made to load a program with an incorr format.

Source Error:

```
An unhandled exception was generated during the execution of the current web request. Information regarding the origin a
location of the exception can be identified using the exception stack trace below.
```

Assembly Load Trace: The following information can be helpful to determine why the assembly 'Leadtools.Codecs.Bmp' could not be loaded.

```
WRN: Assembly binding logging is turned OFF.
To enable assembly bind failure logging, set the registry value [HKLM\Software\Microsoft\Fusion!EnableLog] (DWORD) to 1.
Note: There is some performance penalty associated with assembly bind failure logging.
To turn this feature off, remove the registry value [HKLM\Software\Microsoft\Fusion!EnableLog].
```

Stack Trace:

```
[BadImageFormatException: Could not load file or assembly 'Leadtools.Codecs.Bmp' or one of its dependencies. An attempt was made to load
   System.Reflection.Assembly._nLoad(AssemblyName fileName, String codeBase, Evidence assemblySecurity, Assembly locationHint, StackCrawl
   System.Reflection.Assembly.InternalLoad(AssemblyName assemblyRef, Evidence assemblySecurity, StackCrawlMark& stackMark, Boolean forInt
   System.Reflection.Assembly.InternalLoad(String assemblyString, Evidence assemblySecurity, StackCrawlMark& stackMark, Boolean forIntros
   System.Reflection.Assembly.Load(String assemblyString) +35
   System.Web.Configuration.CompilationSection.LoadAssemblyHelper(String assemblyName, Boolean starDirective) +190

[ConfigurationErrorsException: Could not load file or assembly 'Leadtools.Codecs.Bmp' or one of its dependencies. An attempt was made to
```

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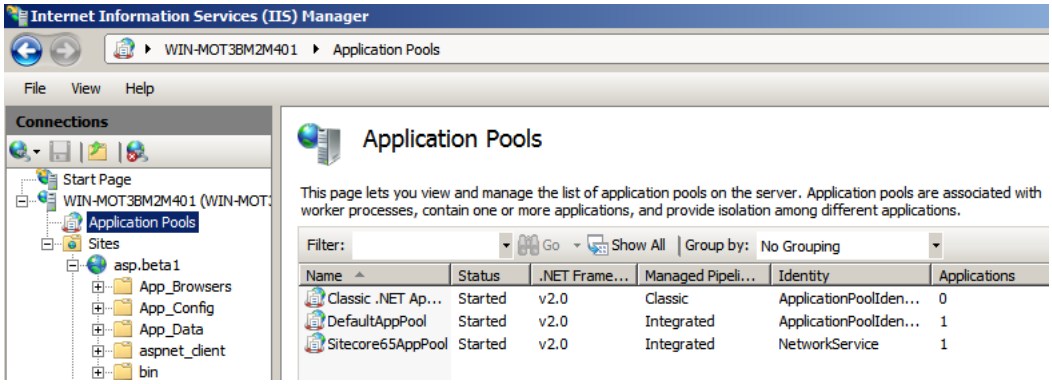
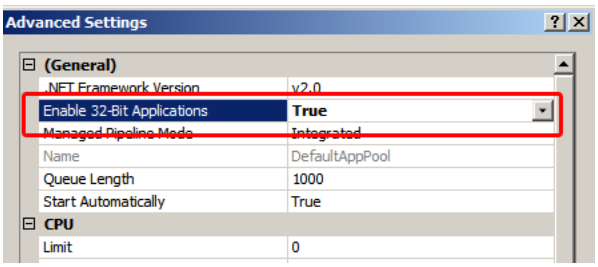
First make sure that the log files are attached. If they are, go to **Advanced Settings**, **Application Pools**..



and set **Enable 32-Bit Applications** to **True**:



5.2 Login Issues

5.2.1 Styles Missing

If the login page appears without any styles and after logging in you see a blank page, check the MIME type: when it is set in IIS, make sure it is not duplicated in Web.config. It would appear as:

```
<system.webServer>
  …
  <staticContent>
    <mimeMap fileExtension=".indd" mimeType="application/x-indesign" />
  </staticContent>
</system.webServer>
```

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5.2.2 Login Loop

If you seem to be in an endless login loop and constantly see the loading splash screen or "**Session expired**" messages, then check the Web.config to make sure that the svc extension is there:

```
<sitecore database="SqlServer">
…
<pipelines>
…
<preprocessRequest>
…
<processor type="Sitecore.Pipelines.PreprocessRequest.FilterUrlExtensions, Sitecore.Kernel">
<param desc="Allowed extensions (comma separated)">aspx, ashx, asmx, svc</param>
```

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