PXM Server Installation Guide

Sitecore XP 9.1

Installing PXM for Individual Workstation and Automated Document Service

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Sitecore XP 9

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Chapter 1

Introduction

This document describes how to install the Sitecore Print Experience Manager core package on the server.

Chapters 1, 2, and 3 describe the requirements and setup settings necessary for working with InDesign Connector. If you want the work with the InDesign Server, please refer to chapter 4.

- Chapter 1 – Introduction
  This chapter describes the system requirements.

- Chapter 2 – The PXM Core Package
  This chapter describes how to download and import the Print Experience Manager package. It also describes the IIS preparations.

- Chapter 3 – Configurations for IDC
  This chapter describes the configuration settings that you need if you want to work with InDesign Connector.

- Chapter 4 – Configuring InDesign Server
  This chapter describes the configuration settings that you need if you want to work with InDesign Server.

- Chapter 5 – Troubleshooting
  This chapter describes the solutions to the most common installation issues.

1.1 Overview

The Print Experience Manager can be installed in several different integrations.

- Individual Workstation – The plugins enable you to connect to the PXM repository in Sitecore. You can load documents, associate content from Sitecore, and so on.

- Automated Document Service – If you want to use Sitecore content in automatically generated InDesign documents, you need InDesign Server.

This manual describes the installation procedures for all of these scenarios.

		Individual Workstation	Automatic Document Generation
System Requirements	Sitecore XP 9.1.	X	X
	Adobe InDesign CC 2019	X	X
	Adobe InDesign Server CC 2019		X
	Microsoft Message Queuing		X
	SMTP service		X
Sections to read in this manual	Chapter 1, 2, and 3.	X	X
	All chapters		X
Packages to install	Print Experience Manager 9.1	X	X
Client Plugins to install	InDesign Connector plugin	X	X
Server Plugins to install	InDesign Server engine		X
Windows Services to install	Dashboard Service		X
	InDesign Processing Service		X
Configurations for Sitecore	Logger (web.config)	X	X
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	InDesign Processing Service InDesignProcessingService.exe.config		X
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Chapter 2

The PXM Core Package

This chapter contains the following sections:

- The Print Experience Manager Package

- Importing the Package

2.1   The Print Experience Manager Package

The Print Experience Manager package includes:

- Sitecore items related to publishing (templates, rules, field types, and so on)
- Web service for InDesign Connector
- Http handler for InDesign Connector
- Publishing Engine Library
- Configuration (base configuration file and web service)

2.2   Importing the Package

Download the installation package – `Sitecore Print Experience Manager 9.1.0 rev.`
`xxxxxx.zip` – from the <u>Sitecore Downloads page</u> on your server or system.

To import the package:

1. Log in to Sitecore.

2. Navigate to **Development Tools** and open the **Installation Wizard**.

3. In the wizard, click **Upload package**, browse to find the `Sitecore Print Experience`
`Manager 9.1.0 rev. xxxxxx.zip`, click **Next** and **Close**.

4. Click **Next**.

5. Read the License Agreement and select the appropriate radio button. Click **Next**.

6. Click **Install**. The installation starts and will need approximately 5-10 minutes to finish.

7. Click **Finish**.

Chapter 3

Configurations for IDC

This chapter describes the configurations necessary at the server-side.

This chapter contains the following sections:

- Configuring Sitecore
- Configuring PrintStudio.config
- Pipelines
- Client Side

3.1 Configuring Sitecore

This section describes how to configure the `Sitecore.config` file.

3.1.1 Configuring the Logger

To configure the logger:

1. Navigate to `Website/App_Config` and open the `Sitecore.config` file.

2. Navigate to the `<log4net>` section and after the last `</appender>` item paste:

```
        <appender name="PXMPrintServiceAppender"
type="log4net.Appender.SitecoreLogFileAppender, Sitecore.Logging">
            <file value="$(dataFolder)/logs/printstudio.log.{date}.txt"/>
            <appendToFile value="true"/>
            <layout type="log4net.Layout.PatternLayout">
              <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
            </layout>
        </appender>
        <logger name="Sitecore.PXM.Diagnostics" additivity="false">
         <level value="INFO"/>
         <appender-ref ref="PXMPrintServiceAppender"/>
        </logger>
```

3. Save the Sitecore.`config` file.

3.1.2 Add HtmlAgilityPack assembly binding

To add the HtmlAgilityPack assembly binding:

1. In the Web.config file add the following "runtime" section:

```
        <runtime>
        <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
        <dependentAssembly>
                <assemblyIdentity name="HtmlAgilityPack" publicKeyToken="bd319b19eaf3b43a" />
                <bindingRedirect oldVersion="1.4.6.0-1.4.9.5" newVersion="1.4.9.5" />
            </dependentAssembly> </assemblyBinding>
        </runtime>
```

2. Save the changes and restart the website.

3.2 Configuring PrintStudio.config

This section describes how to configure the `Sitecore.PrintStudio.config` file. This file is stored in the `\Website\App_Config\Include\PXM` folder.

3.2.1 Print Studio Engine Settings

In the `PrintStudio.config` file, the `Printstudio.ProjectsFolder` is the configuration key for the path to the projects folder.

```
<printstudioengine type="Sitecore.PrintStudio.Configuration.SettingsSection,
Sitecore.PrintStudio.Configuration">
        <settings hint="raw:AddToSettingsList">
        <setting name="PrintStudio.ProjectsFolder"
value="C:\inetpub\sitecore_folder\Website\projects\" />
        <setting name="PrintStudio.InDesignServerName"
value="InDesignServer.Application.CC.2019" />
        <setting name="PrintStudio.StoreMastersInDB" value="true" />
        <setting name="PrintStudio.PublishingCachePath"
value="C:\PXMPublishing\PublishingCache\" />
        <setting name="PrintStudio.PrintDashboardQueueName" value="InDesignServer"/>
        <setting name="PrintStudio.DBServer.IPAddress" value="localhost" />
        <setting name="PrintStudio.DBServer.Port" value="8081" />
        </settings>
        </printstudioengine>
```

Note
Make sure to have sufficient access rights to the `PrintStudio.ProjectsFolder`.

3.3 Pipelines

By default, the configuration settings for the pipelines section are in the `PrintStudio.config` file.

You only need to change these in customized setups.

```
        <pipelines>
            <printToDashboard>
             <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.SetProcessingJob,
Sitecore.PrintStudio.PublishingEngine" />
             <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
Sitecore.PrintStudio.PublishingEngine" />
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.Dashboard.SendToDashboard,
Sitecore.PrintStudio.PublishingEngine" />
            </printToDashboard>
            <printToInDesign>
             <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
Sitecore.PrintStudio.PublishingEngine" />
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.InDesign.SendToInDesign,
Sitecore.PrintStudio.PublishingEngine" />
            </printToInDesign>
            <renderXml>
             <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
Sitecore.PrintStudio.PublishingEngine" />
            </renderXml>
            <printPreview>
             <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
Sitecore.PrintStudio.PublishingEngine" />
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.InDesign.GeneratePreview,
Sitecore.PrintStudio.PublishingEngine" />
            </printPreview>
            <convertHtmlToXml>
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.PrepareHtml,
Sitecore.PrintStudio.PublishingEngine" />
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.ConvertToXml,
Sitecore.PrintStudio.PublishingEngine" />
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.FinalizeXml,
Sitecore.PrintStudio.PublishingEngine" />
            </convertHtmlToXml>
            <convertXmlToHtml>
             <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertXmlToHtml.ConvertToHtml,
Sitecore.PrintStudio.PublishingEngine" />
            </convertXmlToHtml>
        </pipelines>
```

The configuration settings in the `pipelines` section:

Configuration key	Description
printToDashboard	Invokes a publishing processing job and publishes through the Dashboard server. The result is sent in an e-mail message.
printToInDesign	Used for publishing directly to the InDesign Server. Can be invoked from a layout on the website. The result is placed on the appropriate path and the user should fetch it through the resulting URL.
renderXml	Invokes an XML rendering and only generates the XML. Invoked from the InDesign Connector plug-in web service.
printPreview	Produces a preview.
convertHtmlToXml	Converts HTML to XML.
convertXmlToHtml	Converts XML to HTML.

3.4 Client Side

To run InDesign Connector, you can download the setups from the Sitecore Downloads page.

If you want to work with automated productions and InDesign Server, you must follow the procedures described in the next chapter.

Chapter 4

Configuring InDesign Server

This chapter describes the configurations and installations that are required to work with InDesign Server.
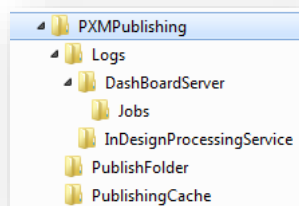
This chapter contains the following sections:

- Creating Folders

- Changing the Print Studio Settings in Sitecore

- Configuring Print Studio Web Services

- Print Studio Configurations Settings

- The Pipelines Section

- Installing the InDesign Server Engine and Windows Services

4.1 Creating Folders

We recommend that you organize the folder tree within a parent folder named *PXMPublishing*, that is located outside the Sitecore `website` folder. The *PXMPublishing* folder requires the following child items:

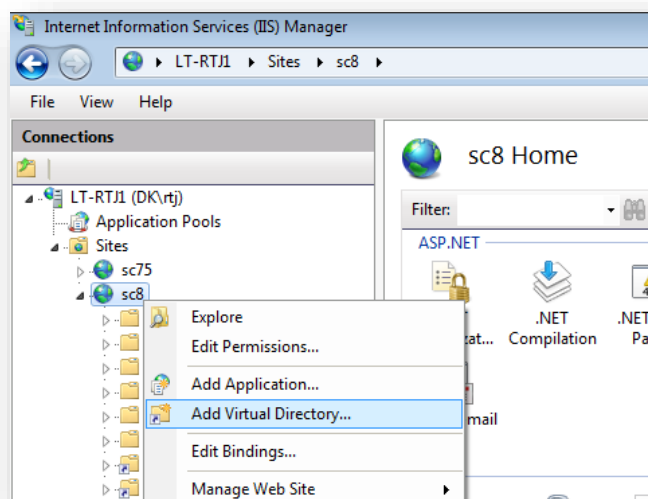| Folder	Description
Logs	All the Print Studio Windows services logs are stored here.
PublishFolder	The publishing results files are stored here.
PublishingCache	The temporary store for the images that are used in published documents.

Note
The Print Studio web services logs are stored in the Sitecore website logs folder – ..\Data\logs.

You must create `PublishFolder` as a virtual folder inside the Sitecore website.

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 click **Add Virtual Directory**.

3. In the Add Virtual Directory dialog box, specify the Alias and Physical path for the PublishFolder, and click OK.

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.
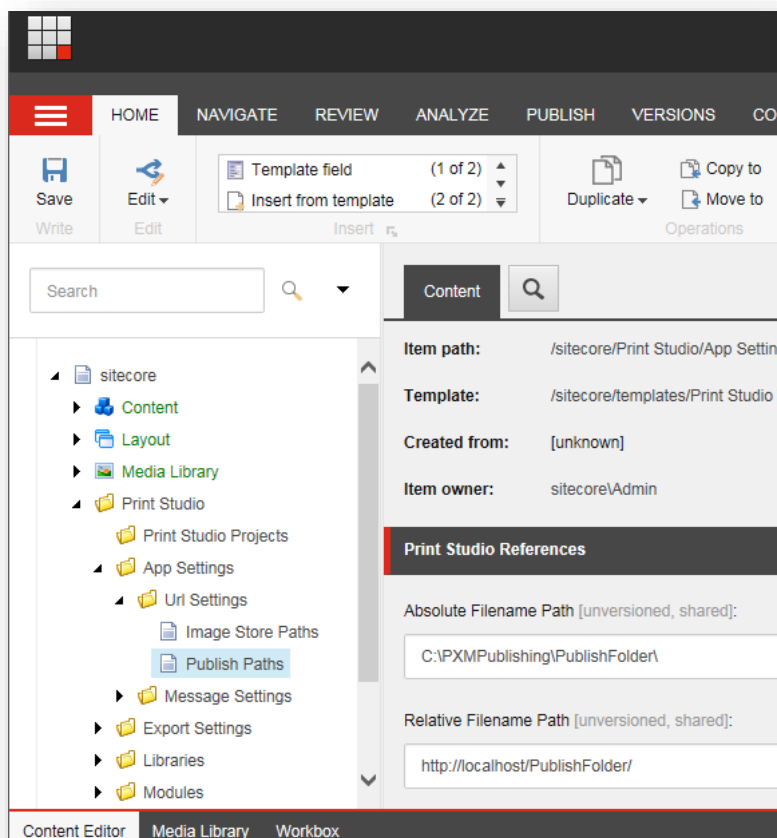
Note
Make sure the NETWORK SERVICE account has sufficient access permissions on the `\PXMPublishing` folder and subfolders.

4.2 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.

Publish Paths are located in `/sitecore/Print Studio/App Settings/Url Settings/Publish Paths`.

The value in the **Absolute Filename Path** field must match the location of the *PublishFolder* in the parent *PXMPublishing* folder.

The value in the **Relative Filename Path** field must match the virtual folder created in the website structure in IIS Manager.

When published, the files contain download links (sent in e-mail message) that authorized users can download.

4.3 Configuring Print Studio Web Services

The following sections describe how to configure web services.

To configure the web services:

1. Open the `web.config` file.

2. Navigate to the `</runtime>` section.

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.

3. Paste the following configuration section:

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

4. Edith following key to ensure that it points to the actual *DashBoardWebService* address:

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

5. Save the `web.config` file.

4.4 Print Studio Configurations Settings

This section describes how to configure the `PrintStudio.config` file for InDesign Server. This config file is stored in the `\Website\App_Config\Include` folder.

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.

Common Section

```
        <!-- Common -->
        <common type="Sitecore.PrintStudio.Configuration.SettingsSection,
Sitecore.PrintStudio.Configuration">
            <settings hint="raw:AddToSettingsList">
        <setting name="PrintStudio.Database" value="master"/>
        <setting name="PrintStudio.Domain" value="sitecore"/>
        <setting name="PrintStudio.AppSettings" value="/sitecore/Print Studio"/>
            </settings>
        </common>
```

The configuration settings in the `Common` section:

Key	Description
PrintStudio.Database	The Sitecore database to use.
PrintStudio.Domain	The Sitecore domain where the user accounts should be read from.
PrintStudio.AppSettings	The Sitecore path to the Print Studio application settings in the master database.

Printstudioengine Section

```
        <printstudioengine type="Sitecore.PrintStudio.Configuration.SettingsSection,
Sitecore.PrintStudio.Configuration">
            <settings hint="raw:AddToSettingsList">
              <setting name="PrintStudio.ProjectsFolder"
value="C:\inetpub\sitecore_folder\Website\projects\" />
              <setting name="PrintStudio.InDesignServerName"
value="InDesignServer.Application.CC.2019" />
              <setting name="PrintStudio.StoreMastersInDB" value="true" />
              <setting name="PrintStudio.PublishingCachePath"
value="C:\PXMPublishing\PublishingCache\" />
              <setting name="PrintStudio.PrintDashboardQueueName" value="InDesignServer"/>
              <setting name="PrintStudio.DBServer.IPAddress" value="localhost" />
              <setting name="PrintStudio.DBServer.Port" value="8081" />
            </settings>
        </printstudioengine>
```

Note
Make sure that the value in the `PrintStudio.PublishingCachePath` setting points to a shared folder on the computer where the InDesign Server is installed.

The configuration settings in the `printstudioengine` section:

Key	Description
PrintStudio.ProjectsFolder	The path to the `Projects` folder.
PrintStudio.InDesignServerName	The name of the InDesign Server.
PrintStudio.StoreMastersInDB	If `true` the masters are stored in the database.
PrintStudio.PublishingCachePath	The path to the `Publishing Cache` folder.
PrintStudio.PrintDashboardQueueName	The SOAP message service type that is sent to the dashboard.

Key	Description
PrintStudio.DBServer.IPAddress	The InDesign service address.
PrintStudio.DBServer.Port	The InDesign service port.

Note

Make sure that the `PrintStudio.DBServer.IPAddress` points to the address of the computer that is running InDesign Server.

4.5 The Pipelines Section

By default, the configuration settings for the pipelines section are available in the `PrintStudio.config` file. You only need to make changes in customized setups.

```
        <pipelines>
          <printToDashboard>
          <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.SetProcessingJob,
            Sitecore.PrintStudio.PublishingEngine" />
          <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
      Sitecore.PrintStudio.PublishingEngine" />
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.Dashboard.SendToDashboard,
  Sitecore.PrintStudio.PublishingEngine" />
          </printToDashboard>
          <printToInDesign>
          <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
      Sitecore.PrintStudio.PublishingEngine" />
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.InDesign.SendToInDesign,
  Sitecore.PrintStudio.PublishingEngine" />
          </printToInDesign>
          <renderXml>
          <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
      Sitecore.PrintStudio.PublishingEngine" />
          </renderXml>
          <printPreview>
          <processor type="Sitecore.PrintStudio.PublishingEngine.Pipelines.RenderProjectXml,
      Sitecore.PrintStudio.PublishingEngine" />
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.InDesign.GeneratePreview,
  Sitecore.PrintStudio.PublishingEngine" />
          </printPreview>
          <convertHtmlToXml>
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.PrepareHtml,
  Sitecore.PrintStudio.PublishingEngine" />
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.ConvertToXml,
  Sitecore.PrintStudio.PublishingEngine" />
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertHtmlToXml.FinalizeXml,
  Sitecore.PrintStudio.PublishingEngine" />
          </convertHtmlToXml>
          <convertXmlToHtml>
          <processor
type="Sitecore.PrintStudio.PublishingEngine.Pipelines.ConvertXmlToHtml.ConvertToHtml,
  Sitecore.PrintStudio.PublishingEngine" />
          </convertXmlToHtml>
        </pipelines>
```
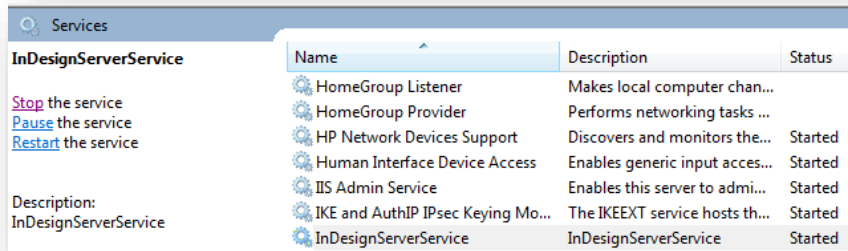
The configuration settings in the `pipelines` section

Key	Description
printToDashboard	Used for publishing with the Dashboard server. This is usually invoked with a publishing processing job from the Silverlight application. The result is sent in an e-mail message.
printToInDesign	Used for publishing directly to the InDesign Server. Can be invoked from a layout on the website. The result is placed in the appropriate path and the user should fetch it with the resulting URL.
renderXml	Invokes XML rendering and only generates the XML. This is invoked from the InDesign Connector plug-in webservice.
printPreview	Creates a preview.
convertXmltoHtml	Converts XML to HTML.
convertHtmlToXml	Converts HTML to XML.

4.6 Installing the InDesign Server Engine and Windows Services

To install the InDesign Server Windows Service, use the installation program provided by Adobe.

4.6.1 Snap-in

The InDesign Server Windows Service uses the InDesign Server Service Management Console snap-in to select the correct port for sending Soap messages.
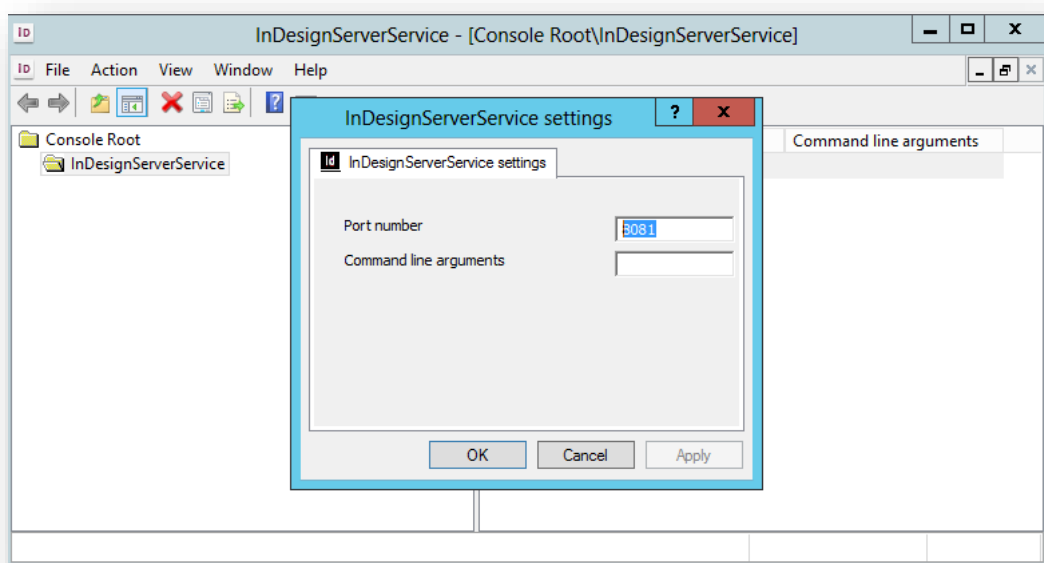
To setup the snap-in:

1. Select the Management Console. For example:

   ```
   C:\Program Files\Adobe\Adobe InDesign CC Server 2019
   x64\InDesignServerService.msc
   ```

2. Double-click the Management Console file.

3. Right-click the `InDesignServerService` folder, click **New**, and then click **New InDesignServer Instance**.

Note
If the necessary snap-in is not available for the 64-bit service, it must be installed with the DOS-shell command line. For more information, see the section *Snap-in Unavailable for 64-bit Service*.

4. Right-click **InDesignServer Service** and select **Properties**.

5. Insert the port number. The default value is 8081 for InDesign Server and then click **OK**.

6. Restart the InDesign Server Service and wait a few seconds.

7. In the browser with the address and port number – for example, http://localhost:8081/service?wsdl – ensure that the InDesign Server is running correctly.
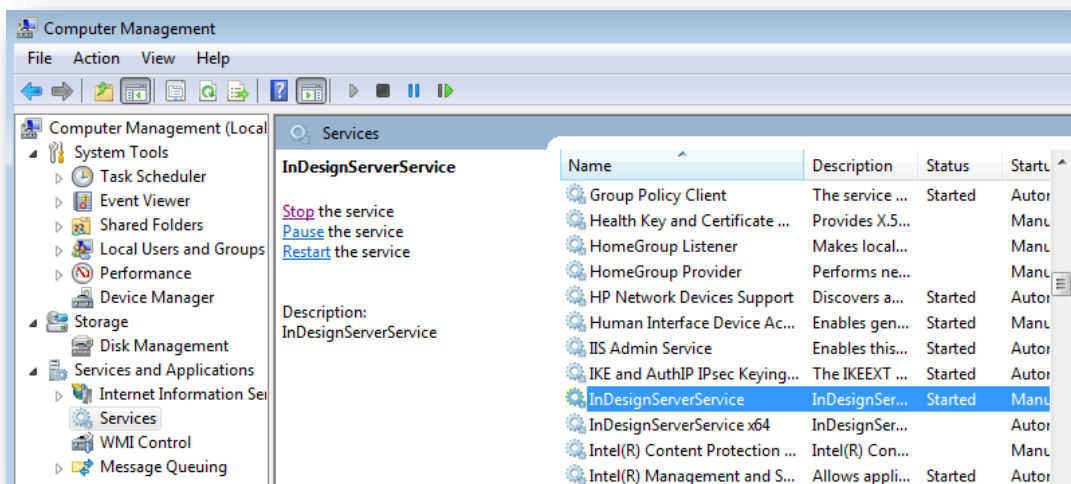
   If the following message appears; the service is running and can be used for publishing.

Depending on your network settings, you may need to login with a different account.

To change the log in account:

1. Open the Computer Management Console.

2. Select the InDesignServerService.

3. Select the *Local System* account or edit the account that is used to run the service.

4.6.2   InDesign Server Engine

The InDesign Server Engine is used for publishing documents with InDesign Server. It is not a Windows service, but an InDesign Server plug-in.

You can download `IDSEngineSetup_x64 CC2019 9.1.0 rev. xxxxxx.msi` from the Sitecore Downloads page.

The installation folder for the plug-in is located at:

`C:\Program Files\Adobe\Adobe InDesign CC Server 2019\Plug-Ins\Sitecore`

To install InDesign Server Engine CC:

1. Start the `IDSEngineSetup_x64 CC2019 9.1.0 rev. xxxxxx.msi`.

2. In the opening window, click **Next**.

3. If you have a previous version installed, you will receive a pop-up message. To continue the installation, click **Yes**.

4. Read the License Agreement, select **I accept the terms in the License Agreement** and then click **Next**.

5. Select the destination folder and click **Next**.

6. Click **Install** to start the installation.

7. If you are upgrading, your system may request a restart. Click **OK**.

8. When the installation is completed, click **Finish**.

9. Start or restart the InDesignServerService.

4.6.3   Installing the Dashboard Service

The Dashboard Service handles jobs in the MS Queues. You can download the `PrintStudioDashboardServerSetup_x64 9.1.0 rev. xxxxxx.msi` installation program from the Sitecore Downloads page.

To install the dashboard service:

1. Start the `PrintStudioDashboardServerSetup_x64 9.1.0 rev. xxxxxx.msi` installation program.

2. If you have a previous version installed, you will receive a pop-up message. To continue the installation, click **Yes.**

3. Read the license agreement, select **I accept the terms in the License Agreement** and then click **Next**.

4. Select the destination folder and click **Next**.

5. Click **Install** to start the installation.

6. When installation is completed, click **Finish**.

Configuring the Dashboard Service

The `DashBoardServer.exe.config` file contains the configuration settings. This configuration file is stored in the installation folder of the service – `C:\Program files\Sitecore\Print Studio Dashboard Server`.

To configure the dashboard service:

1. Open `DashBoardServer.exe.config` file and add the appropriate value to the LogFolder setting.

```
<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:\PXMPublishing\Logs\DashBoardServer\" />
      <add key="LogFileName" value="DashBoardServerLog" />
      <add key="LogMaxSizeInBytes" value="500000" />
      <add key="CountersResetOnStartup" value="true" />
      <add key="CountersEnabled" value="false" />
    </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" val-
ue="publishing@printstudio.com" />
      <add key="PrintStudio.DBServer.LogFolder" val-
ue="C:\PXMPublishing\Logs\DashBoardServer\Jobs\" />
```

```
        </appSettings>
```

2. Edit the AppSettings section.

   The configuration settings for Print Studio Dashboard Server:

Key	Description
PrintStudio.DBServer.QueuesPath	The path to the MS Queue that is used for jobs.
PrintStudio.DBServer.SMTPClient	The SMTP server address that is used to handle email notifications.
PrintStudio.DBServer.FromEmailAddress	The sender email address that is used in notifications.
PrintStudio.DBServer.LogFolder	The location of the log files for each particular processing job.

3. In the Service Model section, enter the appropriate value for the DashBoardWebService reference.

```
<system.serviceModel>
    <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />
    <services>
      <service behaviorConfiguration="DashBoardWebServiceBehavior"
name="Sitecore.PrintStudio.DashBoardServer.DashBoardWebService">
        <endpoint address="" binding="basicHttpBinding" bindingConfigura-
tion="BasicHttpBinding_IDashBoardWebService" con-
tract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"/>
        <endpoint address="mex" binding="mexHttpBinding" con-tract="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" hostNameCompari-
sonMode="StrongWildcard"
          receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
          maxReceivedMessageSize="2147483647" maxBufferSize="2147483647" max-
BufferPoolSize="2147483647"
          transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
          <readerQuotas maxNameTableCharCount="2147483647" maxArray-
Length="2147483647" maxDepth="2147483647" maxStringContentLength="2147483647" />
          <security mode="None" />
        </binding>
      </basicHttpBinding>
    </bindings>
</system.serviceModel>
```
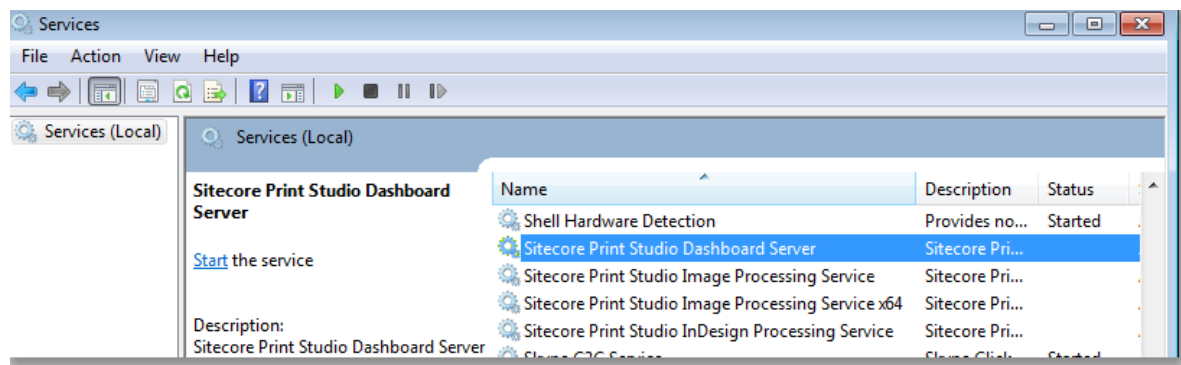
4. Save the changes to the configuration file.

Note
The service must be started or restarted if it is already running.

5. Open the Services management console and start the *Sitecore Print Studio Dashboard Server* service.

4.6.4   Installing the InDesign Processing Service

The InDesign Processing Service handles publishing from the Print Studio Editor to the InDesign Server.

Download the `PrintStudioInDesignServiceSetup_x64 9.1.0 rev. xxxxxx.msi` installation program from the <u>Sitecore Downloads page</u>.

The `InDesignProcessingService.exe.config` contains the configuration settings. This configuration file is stored in the installation folder of the service – `C:\Program files \Sitecore\InDesign Processing Service`.

To install the InDesign Processing Service:

1. Start the `PrintStudioInDesignServiceSetup_x64 9.1.0 rev. xxxxxx.msi` installation program.

2. Click **Next**.

3. If you have a previous version installed, you will receive a pop-up message. To continue the installation, click **Yes**.

4. Read the license agreement, select **I accept the terms in the License Agreement** and then click **Next**.

5. Select the destination folder and click **Next**.

6. Click **Install** to start the installation.

7. When installation is completed, click **Finish**.

Configuring the InDesign Processing Service

The `InDesignProcessingService.exe.config` contains the configuration settings. This configuration file is stored in the destination folder that you selected in the installation wizard.

To configure the InDesign Processing Service:

1. Open `InDesignProcessingService.exe.config` files and edit the appropriate values.

```
<Sitecore.PrintStudio.LoggerSettings>
    <LogFile>
      <add key="LogFolder" val-ue="C:\PXMPublishing\Logs\InDesignProcessingService\"/>
      <add key="LogFileName" value="InDesignProcessingServiceLog"/>
      <add key="LogMaxSizeInBytes" value="500000"/>
        <add key="CountersResetOnStartup" value="true" />
        <add key="CountersEnabled" value="false" />
    </LogFile>
  </Sitecore.PrintStudio.LoggerSettings>
<appSettings>
    <add key="PrintStudio.DBServer.SMTPClient" value="localhost"/>
    <add key="PrintStudio.DBServer.QueueName" value="InDesignServer"/>
    <add key="PrintStudio.DBServer.ServiceVersion" value="CC.2019"/>
```

```
        <add key="PrintStudio.DBServer.FromEmailAddress" val-
ue="publishing@sitecore.net"/>
        <add key="PrintStudio.DBServer.ToEmailAddress" value=""/>
        <add key="PrintStudio.DBServer.EmailNotification" value="off"/>
    </appSettings>
```

The configuration settings for InDesign Processing Service:

Key	Description
LogFolder	The folder that the log files are written to.
PrintStudio.DBServer.SMTPClient	The SMTP Client version.
PrintStudio.DBServer.QueueName	The service type for publishing.
PrintStudio.DBServer.ServiceVersion	The InDesign Server version (CC.2019).
PrintStudio.DBServer.FromEmailAddress	The email of the sender in notifications.
PrintStudio.DBServer.ToEmailAddress	The email of the receiver in notifications.
PrintStudio.DBServer.EmailNotification	Send email notifications – Y/N.

2. Enter the appropriate values for the DashBoardWebService.

```
    <system.serviceModel>
        <bindings>
          <basicHttpBinding>
            <binding name="BasicHttpBinding_IDashBoardWebService" hostNameCompari-
sonMode="StrongWildcard"
                receiveTimeout="00:30:00" sendTimeout="00:30:00" open-Timeout="00:30:00"
closeTimeout="00:30:00"
                maxReceivedMessageSize="2147483647" maxBufferSize="2147483647" max-
BufferPoolSize="2147483647"
                transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
                <readerQuotas maxNameTableCharCount="2147483647" maxArray-
Length="2147483647" maxDepth="2147483647" maxStringContentLength="2147483647" />
                <security mode="None" />
            </binding>
          </basicHttpBinding>
        </bindings>
        <client>
          <endpoint address="http://localhost:8070/DashBoardWebService"
                binding="basicHttpBinding" bindingConfigura-
tion="BasicHttpBinding_IDashBoardWebService"
                contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
name="BasicHttpBinding_IDashBoardWebService" />
        </client>
    </system.serviceModel>
```
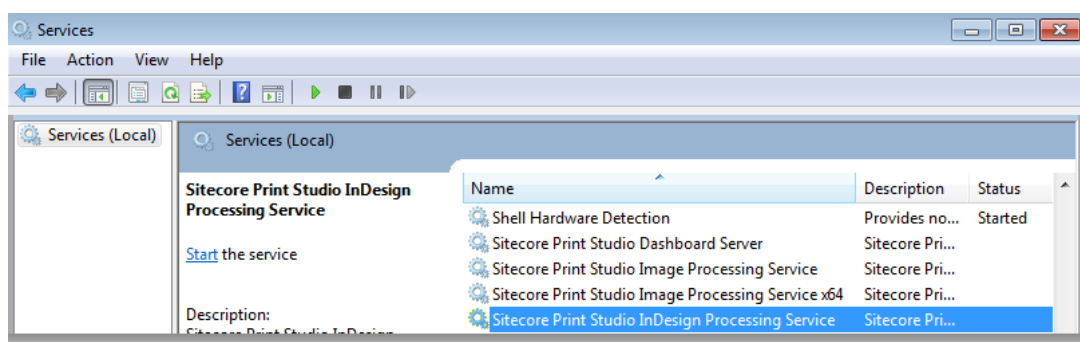
3. Save and close the configuration file.

4. Open the **Services** management console.

5. Right-click *Sitecore InDesign Processing Service* and click **Start**.
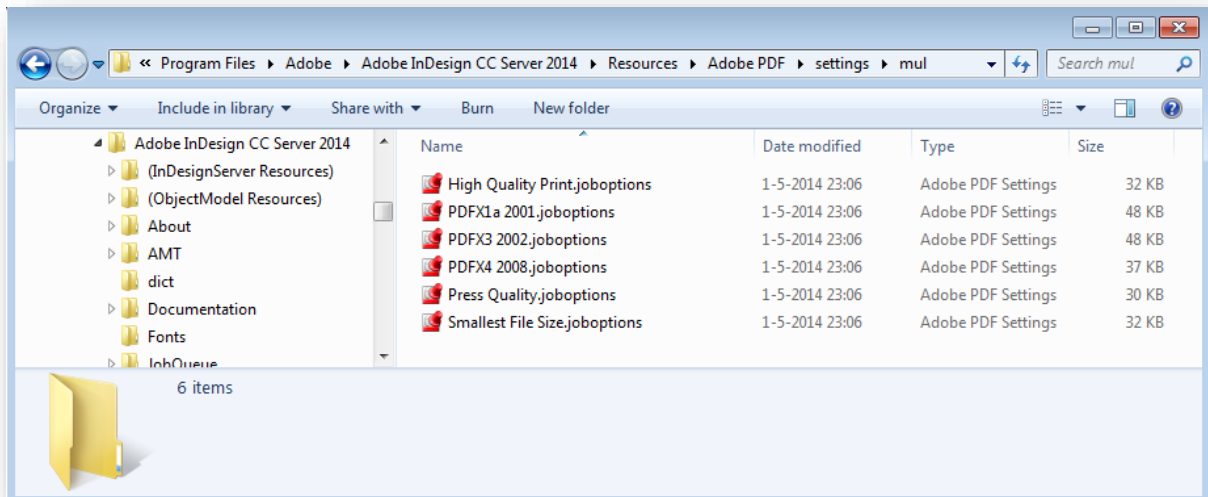
4.6.5   PDF Settings

The Publishing Settings items – `/sitecore/Print Studio/Publishing Settings` – refer to the PDF settings files – `.joboptions` – that are available on the publishing server – the server that runs InDesign Server.

The required PDF Settings can be created with Adobe InDesign.

The joboptions file must be available on the server that runs InDesign Server.

Note
You must restart the InDesignServerService when you add new `.joboptions`.

Chapter 5

Troubleshooting

This chapters describes common installation issues.

This chapter contains the following sections:

- Typical Troubleshooting Scenarios

5.1   Typical Troubleshooting Scenarios

5.1.1   Publishing Error

The pipelines are invoked in the publishing process. The pipelines section is outside the printstudio node and its content should be placed in the pipelines node in the `PrintStudio.config` file. If the pipelines section is placed in another section, it causes a publishing error.

For more information about pipelines, see the section *Pipelines*.

5.1.2   Snap-in Unavailable for 64-bit Service

When the necessary snap-in is not available, it must be installed from the dos-shell command line.
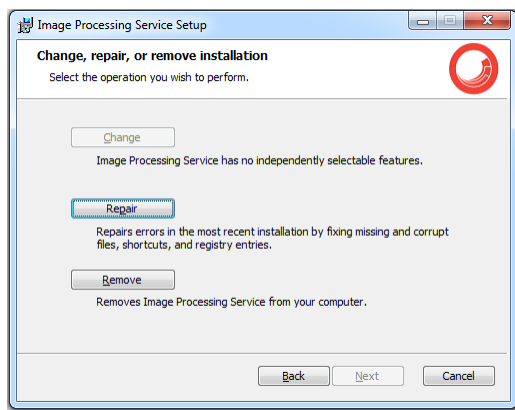
`C:\Program Files\Adobe\Adobe InDesign CC Server x64`

1. Select the folder where you want to install the snap-in.

2. Enter the `regsvr32 InDesignServerMMC64.dll` command.

3. Click **OK**.

5.1.3   Window Services Fails after Upgrade

When you upgrade the windows services, sometimes the upgrade is not completely successful. The service can fail when you try to start it.

To fix this error, repair the installation:

Run the installation program to repair the program or in the installed programs list, right-click the program and then click **Repair**.

5.1.4   Rich Text Field not Visible

If the rich text field from the content item is not visible when publishing:

1. Check if the default transformation set is configured correcty:

   `/sitecore/Print Studio/Modules/InDesign connector/Transformations/Default TransformationSet`

2. Check if the default transformation set is selected in:

   `/sitecore/Print Studio/Modules/InDesign connector/Other Settings/Default settings/Default set-tings`

5.1.5 Unable to Save Master Documents

If you have difficulties saving master documents with, for example, embedded images in InDesign master files, you may need to adjust the `maxRequestLenght` and `executionTimeout` settings in the `web.config` file.

To configure these settings:

1. Open the `web.config` file. It is stored in the Sitecore `website` folder.

2. Navigate to the `</system.web>` section.

3. Edit the following setting:

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

4. Save the `web.config` file.

5.1.6 Could not load file or assembly

When using the transformations for the Rich Text field type the content item fields used for dynamic text from the Content panel (InDesign Connector) might be shown empty and the log will show an error message:

Could not load file or assembly 'HTMLAgilityPack, ...

To solve this problem:

1. Add the following "runtime" section to the Sitecore.config file after the tag:

```
<runtime>
<assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
<dependentAssembly>
        <assemblyIdentity name="HtmlAgilityPack" publicKeyToken="bd319b19eaf3b43a" />
        <bindingRedirect oldVersion="1.4.6.0-1.4.9.5" newVersion="1.4.9.5" />
    </dependentAssembly> </assemblyBinding>
</runtime>
```

2. Save the changes and restart the website.