

# Perceptive Document Composition

Patch 5.3.4



**perceptive**software

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## Patch Requirements

This patch set requires the release 5.3.0. It is not intended for lower releases.


Earlier published patches for 5.3 are included in this patch.

## Current Patch Improvements

### Using Windows authentication with MS SQL Server

It is now possible to use Windows authentication for connecting to MS SQL servers in DB-Alias Administration and in System Administration.

To use Windows authentication for connecting to an MS SQL server, complete the following steps.

1. Open the **DB Alias Administration** or the **System Administration**.
2. Create or modify a DB Alias.
3. In the **Connection Settings** dialog, click the **ellipsis**  button next to the **Connection String** box.
4. In the **Data Link Properties** dialog box, select a server name from the **Specify or enter a server name** drop-down menu.
5. Select the **Use Windows NT integrated security** option.
6. In the **Select the database on the server** box, select a database.
7. To check your settings, click the **Test Connection** button.
8. Optional. To use encryption for the database connection, complete the following substeps.
  1. In the **Data Link Properties** dialog box, click the **All** tab.
  2. Double-click the **Use Encryption for Data** entry.
  3. In the **Edit Property Value** dialog box, select **True** from the **Property Value** drop-down menu and click **OK**.
9. On your **MS SQL Server**, specify the appropriate settings for data encryption.

### Using Windows authentication in the Repository Setup

It is now possible to use Windows authentication for connecting to an MS SQL server in the Repository Setup.

To use Windows authentication for connecting to an MS SQL server in the Repository Setup, complete the following steps.

1. In the **Document Composition** installation directory, start the **RepositorySetup.exe**.
2. In the Repository Setup dialog box, select the **MS SQL Server** database product.
3. In the **SQL Server Connection** dialog, complete the following substeps.
  1. In the **Server** box, type the name of the SQL Server instance.
  2. In the **Database** box, type the name of the SQL Server database in which you want to install the repository database schema.

3. Select the **Use Windows authentication** check box.
4. To check your settings, click the **Test Database Connection** button.
5. Click **Next**.
6. In the **Creating the system** dialog box, complete the following substeps.
  1. In the **System Name** box, type the name of the Document Composition system you want to create.
  2. In the **SystemObjectID** box, type the ID of the Document Composition system you want to create.  
**Note** Enter a unique ID for the new system and write it down. You will need it later during the configuration.
7. In the **Installation** dialog box, click the **Start installation** button.

## System specific DOTM files

The system specific DOTM files are now located in the *%userprofile%/modusone* directory.

## Fix for defect reported with Salesforce support ticket 00551358

The following error occurred sporadically when converting files to XPS using Microsoft Word automation.

```
Retrieving the COM class factory for component with CLSID {000209FF-0000-0000-C000-000000000046} failed due to the following error: 80080005.
```

## Fix for defect reported with internal ticket DE28251

New ConvertOption ROTATE\_LANDSCAPE.

TRUE: Default. If page orientation is landscape, the page rotates by 90°.

FALSE: The page does not rotate.

## Fix for defect reported with internal ticket DE28464

When using the French language resources, the following error occurred when the user opened a script.

```
System.ComponentModel.InvalidEnumArgumentException: The value of argument 'value' (65535) is invalid for Enum type 'DockStyle'
```

## Previous Patch Improvements

### Fix for defect reported with internal ticket MDS-3573

Creating a new DB-Alias in System Administration lead to an error message.

### Fix for defect reported with Salesforce support ticket 00560100 / internal ticket DE16648

Sporadic failure occurred in method FillTreeHost() when executing multiple filter processes.

### Fix for defect reported with Salesforce support ticket 00632523 / internal ticket DE27956

The docx files were recompiled on every usage, although the DocxCompiler was executed after upgrade to 5.3.

### Fix for defect reported with internal ticket US28090

The DB Alias password was visible in the text box connection string.

### Fix for defect reported with Salesforce support ticket 00650024 / internal ticket DE27952

SQL server role 'db\_creator' could not be used for installing the Document Composition DB schemas of Version 5.3.

### Fix for defect reported with Salesforce support ticket 00586654 / internal ticket DE27052

After updating from product version 5.2 to 5.3 an error is thrown when an E-mail printer is used in a PDC process. The error message contains the text "FillTreeHost() failed for object ..." .

### Internal Ticket DE27013

Optimized RAM usage during generation of a bundle.

### Fix for defect reported with Salesforce support ticket 00597168 / internal ticket DE27082

The dialog for selection of the local printer of the web client did not show all local installed printers.

### Fix for defect reported with Salesforce support ticket 00598124 / internal ticket DE27105

Input box for multiline valuehelp was not resizable in WebClient.

## Fix for defect reported with internal ticket MDS-3530 / DE27110

Multiline value help did not work with WebClient in out-of-browser mode.

## Local printing in PDC Client

The Perceptive Document Composition Client (Winform Client) is now able to print documents on local printers.

Configure selected documents of a bundle for local printing. As documents are created via Print and Archive, a Printer Selection dialog appears. Then perform the following steps.

1. In the **Select Printer** area, choose your local printer.
2. In the **Forms to Print** area, assign printer trays to available forms.
3. To start printing, click the **Print** button.

## Use of ODP.Net driver

This patch enables to use the ODP.Net driver, which offers a higher performance.

## New function *ReportBlueBlocksContainedInBlocks*

The function *ReportBlueBlocksContainedInBlocks* was added to the command line tool PDC.Tool.exe.

## Version labels in Transfer Editor

The Transfer Editor was extended by a column showing the version label. This feature is available when Versioning has been licensed.

## Full-text search over version labels

In the Navigator, version labels can now be selected as a full-text search target. This feature is available when Versioning has been licensed.

## Fix for defect reported with internal ticket MDS-3547

The command line tool PDC.Tool.exe used the old name mot.exe in examples.

## Fix for defect reported with Salesforce support ticket 00597614

The PDC.Tool.exe function *ReportBlueBlocksWSA* produced under certain circumstances incorrect results.

## Fix for defect reported with Salesforce support ticket 00616775 / internal ticket DE27389

Umlauts in documents converted to HTML were displayed incorrect.



## Fix for defect reported with Salesforce support ticket 00620307 / internal ticket DE27451

The setup tool *RepositorySetup* did not respond when it was started for an Oracle database.

## Fix for defect reported with Salesforce support ticket 00610439 / internal ticket DE27352

- Under certain circumstances closed or locked processes could be opened in the Client and in the WebClient without notifying the user.
- Using the startparameter */processId*, closed or locked processes could be opened in the Client and in the WebClient without notifying the user.
- The parameter *CheckState* was added to the MWS function *Process\_Open*.

This parameter defines if the state of a process is checked before opening.

**true:** Only saved processes (state = 0) can be opened.

**false (default):** Also locked processes (state = 1) can be opened and thereby taken on.

New syntax:

```
Process_Open(string sessionId,string processId,string options,out  
string xmlResult)
```

## Fix for defect reported with internal ticket MDS-3503

Write-protection was not activated for protected text blocks when opening a generated document in the WebClient.

## Installation Instructions

Read all described steps carefully before starting the installation.

Execute all the described steps in the following order.

### Server Installation

1. Stop all running Perceptive Document Composition services/applications.
2. In the PDC installation directory, replace the following existing files with the ones contained in the patch.
  - ModusSuite.Common.Components.dll
  - ModusSuite.Common.ConnectionStringEditor.dll
  - ModusSuite.Common.MetaDataReader.dll
  - ModusSuite.Common.Resources.dll
  - ModusSuite.Common.SystemFramework.dll
  - ModusSuite.Common.Types.dll
  - ModusSuite.Common.Utills.dll
  - ModusSuite.Common.ValueHelpSystem.dll
  - ModusSuite.Common.WpfComponents.dll
  - ModusSuite.DocumentComposer.dll
  - ModusSuite.Modus.TextSystem.dll
  - ModusSuite.MWS.ProcessSystem.dll
  - ModusSuite.MWS.Types.dll
  - ModusSuite.MWS.Utills.dll
  - ModusSuite.Odin.Convert.DocBridge.dll
  - ModusSuite.Odin.Rendition.dll
  - ModusSuite.Odin.RuntimeComponent.dll
  - ModusSuite.Odin.RuntimeObjects.dll
  - ModusSuite.Odin.Utills.dll
  - ModusSuite.Repository.BusinessFacade.dll
  - ModusSuite.Repository.DataAccess.dll
  - ModusSuite.Repository.Types.dll
  - ModusSuite.Studio.Common.dll
  - ModusSuite.Studio.MwsClientModule.dll
  - ModusSuite.Studio.Navigator.dll
  - ModusSuite.Studio.SystemAdministration.dll
  - ModusSuite.Studio.TransferJob.dll
  - ModusSuite.Studio.WordManager.dll

- ModusSuite.XDoc.DocXConverter.dll
- ModusSuite.XDoc.Hyphenation.dll
- ModusSuite.XDoc.LogPainter.dll
- ModusSuite.XDoc.MetafileLoader.dll
- ModusSuite.XDoc.Print.dll
- ModusSuite.XDoc.VisualPainter.dll
- ModusSuite.XDoc.Word12Loader.dll
- ModusSuite.XDoc.WordMLEditor.dll
- ModusSuite.XDoc.WordMLReaderWriter.dll
- ModusSuite.XDoc.XDocScrollView.dll
- ModusSuite.XDoc.XDocViewerControl.dll
- PDC.Client.exe
- PDC.Tool.exe
- RepositorySetup.exe
- Admin\Oracle\Ora\_Check\_FTSComponents.sql
- Admin\MS-SQL\MSSql\_Rep\_DB\_Schema.sql
- Admin\MS-SQL\MSSql\_Odin5.sql

### Important Note

The scripts Ora\_Check\_FTSComponents.sql, MSSql\_Rep\_DB\_Schema.sql and MSSql\_Odin5.sql are only intended **for new installations**.

They **MUST NOT** be used for patches to **existing installations**.

3. Optional. Update translations.  
New language resources for English, French and Dutch are included in the patch.  
For details on updating the language packs, refer to PDC.Setup.chm.
4. Restart the Perceptive Document Composition services/applications.

## Server Installation – ODP.Net driver

This installation is optional!

The ODP.net driver offers a higher performance compared to the standard driver of the .NET framework.

1. Download the Oracle Data Provider for .NET Version ODAC 11.2 Release 3 (11.2.0.2.1) or higher from <http://www.oracle.com>.

**Important:** Use the 32-bit driver version!

2. Install the driver.
3. Stop all running Perceptive Document Composition services/applications.
4. In the PDC installation directory, open the file **modus\_core.exe.config**.
5. Inside the node <appSettings>, add the following lines:

```
<add key="rws_UseODP" value="1"/>
<add key="rws_odp_FetchSize" value="4000000"/>
<add key="rws_odp_InitialLOBFetchSize" value="131072"/>
<add key="rws_odp_InitialLONGFetchSize" value="131072"/>
```

Parameter	Definition
rws_UseODP	<p><b>value="1":</b> The ODP.NET driver is used</p> <p><b>value="0"</b> The Microsoft Oracle driver is used. The parameters <b>rws_odp_FetchSize</b>, <b>rws_odp_InitialLOBFetchSize</b> und <b>rws_odp_InitialLONGFetchSize</b> are not evaluated.</p>
rws_odp_FetchSize	Corresponds to the Oracle parameter FetchSize
rws_odp_InitialLOBFetchSize	Corresponds to the Oracle parameter InitialLOBFetchSize
rws_odp_InitialLONGFetchSize	Corresponds to the Oracle parameter InitialLONGFetchSize

### Note

The preset values for the parameters **rws\_odp\_FetchSize**, **rws\_odp\_InitialLOBFetchSize** and **rws\_odp\_InitialLONGFetchSize** proved as optimal in our tests.

Adjustments might be necessary depending on the customer installation.

For more information, refer to <http://www.oracle.com>.

6. Repeat the previous step for the file **ModusSuite.WCF.Console.exe.config**, if the WCF Console is used.
7. Determine the home directory of the ODP driver in the registry path HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1 in the key ORACLE\_HOME..  
Make sure the directory [ORACLE\_HOME]\Network\Admin contains the correct **tnsnames.ora**.
8. Restart the Perceptive Document Composition services/applications.

## Studio Installation

1. Stop the Studio application.
2. In the PDC installation directory, replace the following existing files with the ones contained in the patch.
  - ModusSuite.Common.Components.dll
  - ModusSuite.Common.ConnectionStringEditor.dll
  - ModusSuite.Common.MetaDataReader.dll
  - ModusSuite.Common.Resources.dll
  - ModusSuite.Common.SystemFramework.dll
  - ModusSuite.Common.Types.dll
  - ModusSuite.Common.Utills.dll
  - ModusSuite.Common.ValueHelpSystem.dll
  - ModusSuite.Common.WpfComponents.dll
  - ModusSuite.DocumentComposer.dll
  - ModusSuite.Modus.TextSystem.dll
  - ModusSuite.MWS.ProcessSystem.dll
  - ModusSuite.MWS.Types.dll
  - ModusSuite.MWS.Utills.dll
  - ModusSuite.Odin.Convert.DocBridge.dll
  - ModusSuite.Odin.Rendition.dll
  - ModusSuite.Odin.RuntimeComponent.dll
  - ModusSuite.Odin.RuntimeObjects.dll
  - ModusSuite.Odin.Utills.dll
  - ModusSuite.Repository.BusinessFacade.dll
  - ModusSuite.Repository.DataAccess.dll
  - ModusSuite.Repository.Types.dll
  - ModusSuite.Studio.Common.dll
  - ModusSuite.Studio.MwsClientModule.dll
  - ModusSuite.Studio.Navigator.dll
  - ModusSuite.Studio.SystemAdministration.dll
  - ModusSuite.Studio.TransferJob.dll
  - ModusSuite.Studio.WordManager.dll
  - ModusSuite.XDoc.DocXConverter.dll
  - ModusSuite.XDoc.Hyphenation.dll
  - ModusSuite.XDoc.LogPainter.dll
  - ModusSuite.XDoc.MetafileLoader.dll

- ModusSuite.XDoc.Print.dll
- ModusSuite.XDoc.VisualPainter.dll
- ModusSuite.XDoc.Word12Loader.dll
- ModusSuite.XDoc.WordMLEditor.dll
- ModusSuite.XDoc.WordMLReaderWriter.dll
- ModusSuite.XDoc.XDocScrollView.dll
- ModusSuite.XDoc.XDocViewerControl.dll
- PDC.Client.exe
- PDC.Tool.exe
- Admin\Oracle\Ora\_Check\_FTSComponents.sql
- Admin\MS-SQL\MSSql\_Rep\_DB\_Schema.sql
- Admin\MS-SQL\MSSql\_Odin5.sql

### Important Note

The scripts Ora\_Check\_FTSComponents.sql, MSSql\_Rep\_DB\_Schema.sql and MSSql\_Odin5.sql are only intended **for new installations**.

They **MUST NOT** be used for patches to **existing installations**.

3. Optional. Update translations.  
New language resources for English, French and Dutch are included in the patch.  
For details on updating the language packs, refer to PDC.Setup.chm.
4. Restart the Studio application.

## Client Installation

1. Stop the Client application.
2. In the PDC installation directory, replace the following existing files with the ones contained in the patch.
  - ModusSuite.Common.Components.dll
  - ModusSuite.Common.ConnectionStringEditor.dll
  - ModusSuite.Common.MetaDataReader.dll
  - ModusSuite.Common.Resources.dll
  - ModusSuite.Common.SystemFramework.dll
  - ModusSuite.Common.Types.dll
  - ModusSuite.Common.Utills.dll
  - ModusSuite.Common.ValueHelpSystem.dll
  - ModusSuite.Common.WpfComponents.dll
  - ModusSuite.DocumentComposer.dll
  - ModusSuite.Modus.TextSystem.dll
  - ModusSuite.MWS.ProcessSystem.dll
  - ModusSuite.MWS.Types.dll
  - ModusSuite.MWS.Utills.dll
  - ModusSuite.Odin.Convert.DocBridge.dll
  - ModusSuite.Odin.Rendition.dll
  - ModusSuite.Odin.RuntimeComponent.dll
  - ModusSuite.Odin.RuntimeObjects.dll
  - ModusSuite.Odin.Utills.dll
  - ModusSuite.Repository.BusinessFacade.dll
  - ModusSuite.Repository.DataAccess.dll
  - ModusSuite.Repository.Types.dll
  - ModusSuite.Studio.Common.dll
  - ModusSuite.Studio.MwsClientModule.dll
  - ModusSuite.Studio.Navigator.dll
  - ModusSuite.Studio.SystemAdministration.dll
  - ModusSuite.Studio.TransferJob.dll
  - ModusSuite.Studio.WordManager.dll
  - ModusSuite.XDoc.DocXConverter.dll
  - ModusSuite.XDoc.Hyphenation.dll
  - ModusSuite.XDoc.LogPainter.dll
  - ModusSuite.XDoc.MetafileLoader.dll

- ModusSuite.XDoc.Print.dll
  - ModusSuite.XDoc.VisualPainter.dll
  - ModusSuite.XDoc.Word12Loader.dll
  - ModusSuite.XDoc.WordMLEditor.dll
  - ModusSuite.XDoc.WordMLReaderWriter.dll
  - ModusSuite.XDoc.XDocScrollView.dll
  - ModusSuite.XDoc.XDocViewerControl.dll
  - PDC.Client.exe
  - PDC.Tool.exe
3. Optional. Update translations.  
New language resources for English, French and Dutch are included in the patch.  
For details on updating the language packs, refer to PDC.Setup.chm.
  4. Restart the Client application.



## WebClient Installation

1. On the web server, replace the following file in the virtual IIS directory with the one contained in the patch.
  - PDC.WebClient.xap

### Updating a local Installation - 'Out-of-Browser' Mode

When the WebClient is launched on a client computer, it automatically checks whether a newer version is available in the virtual directory of the IIS. If this is the case, the newer version is transferred to the client computer and relevant information displayed. The newer version is then installed locally the next time the WebClient is started.

### Updating an 'In-Browser' WebClient

Using the WebClient in an in-browser mode does not require an explicit client update after changes have been made to the web server. In this case, the only requirement is to configure the expiration date of the corresponding web content in the http-headers IIS settings so that caching is no longer allowed.