ScanInfo for INVOICES

User Guide

Version: 5.9

Written by: Product Knowledge, R&D
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Lexmark™ Enterprise Software

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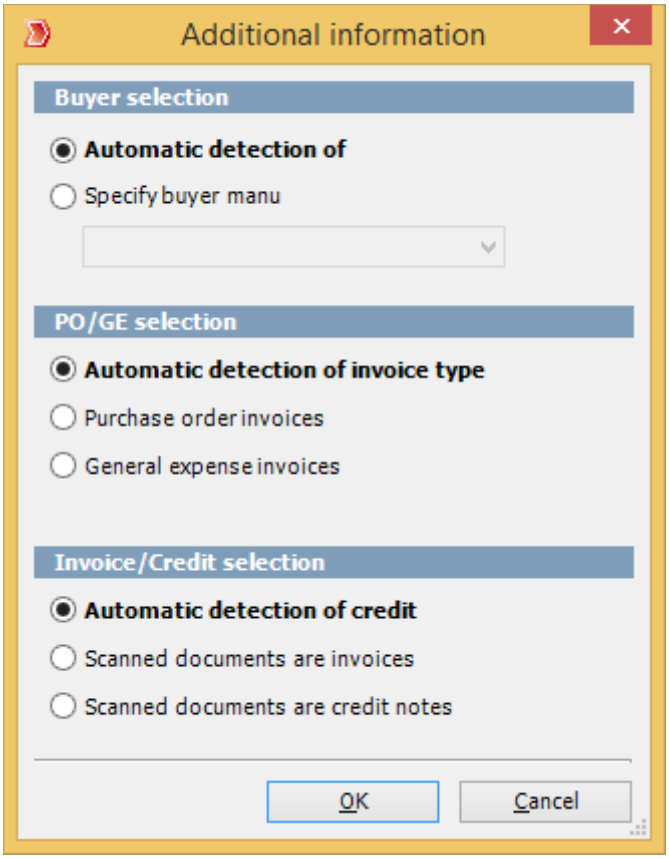
What is Scan Info, and what does it do?

Scan Info is an optional component that can be used with INVOICES. It displays an additional dialog to the Scan operator when a Scan job is started. In this **Additional information** dialog, the Scan operator can specify certain additional information for scanning. Here is an example:



The options that this dialog includes are configured using the Scan Info configuration tool, described later in this document.

Throughout this document you will see different versions of the **Additional information** dialog, depending on which "part" is being described.

Requirements

- INVOICES 5.9
- Microsoft .NET Framework 4.0 – you can download this from Microsoft's website

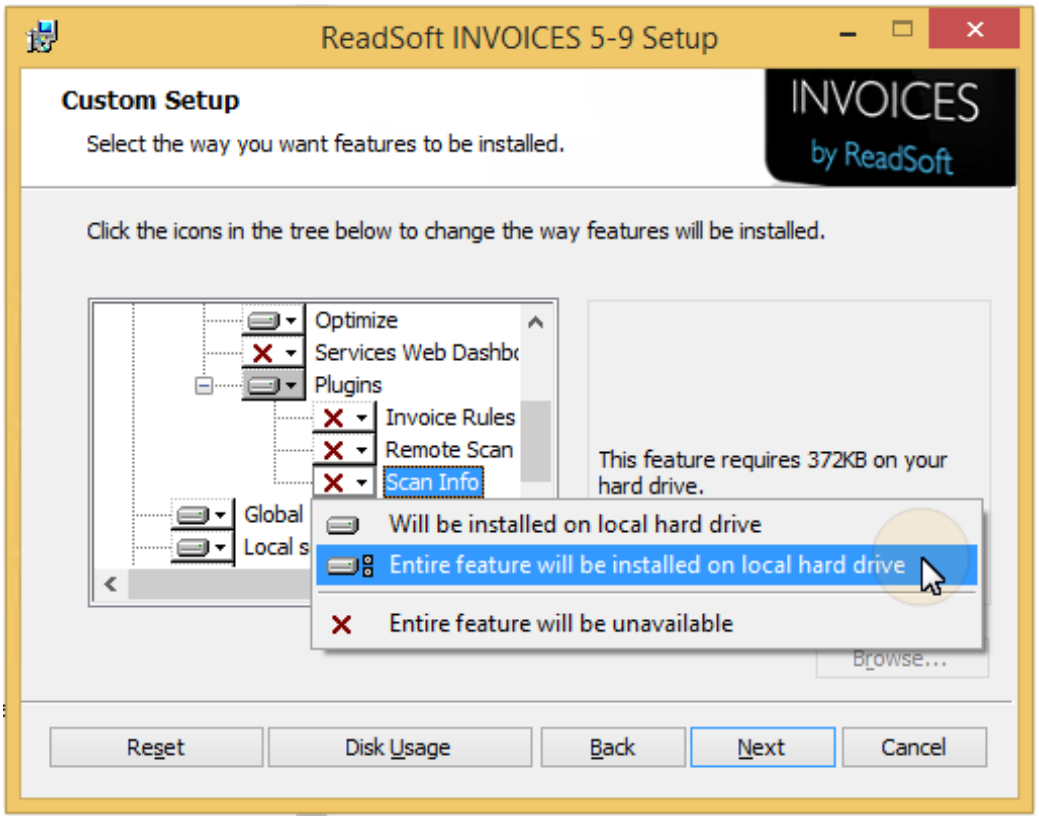
(Please note that previous versions of ScanInfo (v3.95 and older) required a different version of the .NET Framework)

Install Scan Info

The Scan Info plugin is installed while installing INVOICES, but it is not installed by default, so it must be selected.

Note: if a previous version of this plugin is already installed on the computer prior to installing INVOICES 5.9, it should be uninstalled using the uninstall programs feature in the **Control Panel** before INVOICES 5.9 is installed.

1. In the **Custom Setup** dialog, navigate to and click the arrow next to **Scan Info**, and then click **Entire feature will be installed on local hard drive**.



2. Click **Next** to continue with the rest of the INVOICES installation.

Manually enable Scan Info after after INVOICES is installed

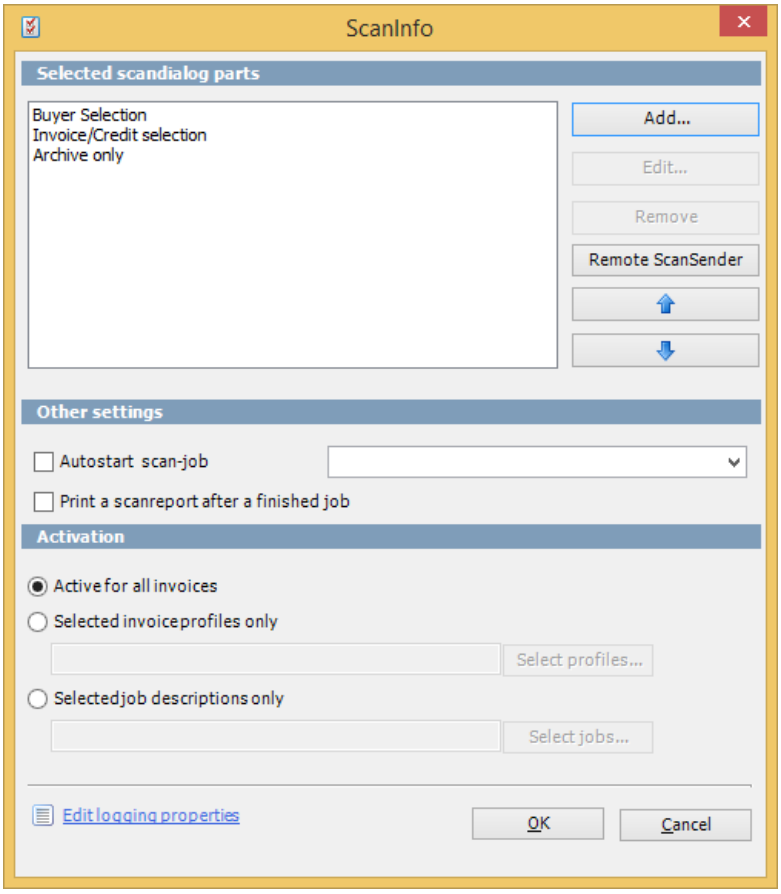
If Scan Info was not selected during the INVOICES installation, you can enable it afterwards by adding the colored information in the following example sections to the `eilocal.ini` file for the installation.

```
;**********************
;*      Manager       *
;**********************
[Plugins::eimngr]
Plugin1=Common
Plugin2=DBMaintenance
Plugin3=ERPImport
Plugin4=InvoiceSelection
Plugin5=AutoValue
Plugin6=ReadSoft.ScanInfo
.......
[eimngr::ReadSoft.ScanInfo]
Name=ReadSoft.ScanInfo
Type=COM
SupportIDispatch=TRUE
Classname=ReadSoft.ScanInfo.Connect

;******************
;*      Scan      *
;******************
[Plugins::eiscan]
Plugin1=Common
Plugin2=ReadSoft.ScanInfo
.......
[eiscan::ReadSoft.ScanInfo]
Name=ReadSoft.ScanInfo
Type=COM
SupportIDispatch=TRUE
Classname=ReadSoft.ScanInfo.Connect


;************************
;*      Interpret       *
;************************
[Plugins::eiitrp]
Plugin1=Common
Plugin2=JobScheduler
Plugin3=AutoValue
Plugin4=ReadSoft.ScanInfo
........
[eiitrp::ReadSoft.ScanInfo]
Name=ReadSoft.ScanInfo
Type=COM
SupportIDispatch=TRUE
Classname=ReadSoft.ScanInfo.Connect
```

```
;************************
;*      Transfer        *
;************************
[Plugins::eitran]
Plugin1=Common
Plugin2=JobScheduler
Plugin3=ReadSoft.ScanInfo
.....
[eitran::ReadSoft.ScanInfo]
Name=ReadSoft.ScanInfo
Type=COM
SupportIDispatch=TRUE
Classname=ReadSoft.ScanInfo.Connect
```

Configuring Scan Info

Start the Manager module and click **Settings** > **ScanInfo configuration** to open the ScanInfo configuration tool. This is where you configure what the **Additional information** dialog will look like to the Scan operator.



- **Selected scandialog parts** – specifies which parts to display in the **Additional information** dialog displayed to the Scan operator.
- **Add** – adds a new section to the **Additonal information** dialog. See “Adding and configuring parts”.
- **Edit** – opens a dialog to edit the selected part of the **Additional information** dialog.
- **Remove** – deletes the selected part from the **Additional information** dialog.
- **RemoteScanSender** – specifies the location where invoices need to be transferred. The configuration is done here, but the transfer of invoice information is done using the Transfer module.
- **Up** and **down arrows** – moves the selected part up or down in the list. This affects the order in which parts are displayed in the **Additional information** dialog.
- **Autostart scan-job** – the Scan job selected here starts automatically when the Scan module opens.
- **Print a scanreport after a finished job** – prints a scan report after each job finishes. The report contains information about the job and the values selected by the Scan operator. The default printer is used.

- **Active for all invoices** – enables ScanInfo for all invoices.
- **Selected invoice profiles only** – if selected, ScanInfo is only enabled for the invoices processed by the invoice profiles selected using **Select profiles**.
- **Selected job descriptions only** – if selected, ScanInfo is only enabled for invoices processed by the job descriptions selected using **Select jobs**.
- **Edit language resource** – opens the Resource editor dialog used to localize (translate) Scan Info. See "**Error! Reference source not found.**" for instructions.
- **Edit logging properties** – opens the Edit Logging properties dialog used to specify the amount of logging to produce and where to put the files.

Add and configure parts

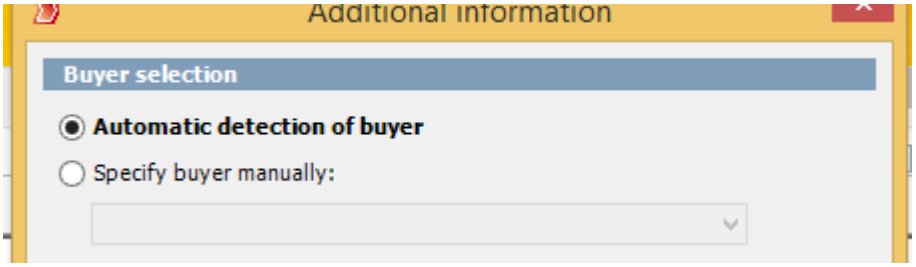
Click **Add** to select from among the following parts that can be added to the **Additional information** dialog. See sections following for details on how to configure each part.

- **Buyer selection** – sets the buyer of scanned documents to the one selected.
- **PO/GE** selection – sets the documents scanned to either purchase order or general expense invoices, depending on what the Scan operator selects.
- **Invoice/Credit selection** – sets the documents scanned to either purchase order or general expense invoices, depending on what the Scan operator selects.
- **Page properties** – lets the Scan operator choose from various scanning options, such as multi-page invoices, duplex scanning, and so on.
- **Queue selection** – allows the Scan operator to select which queue the scanned invoices are to be added to. Only the queues you select during setup are available in the **Additional information** dialog.
- **Create user-defined variable** – creates a user-defined variable on all scanned documents. Can be added two or more times to add multiple user-defined variables.
- **Batch counter** – adds a numeric counter to the **Additional information** dialog. This number is also printed on the scan report (if printing scan reports is enabled) and can also be added as a user-defined variable on the invoices being scanned.
- **Archive only** – is used to send fiscal year and referenced document number to an ERP system when the scanned document is an attachment to an existing invoice document that already exists in the ERP system. This functionality is mainly used together with INVOICES COCKPIT.

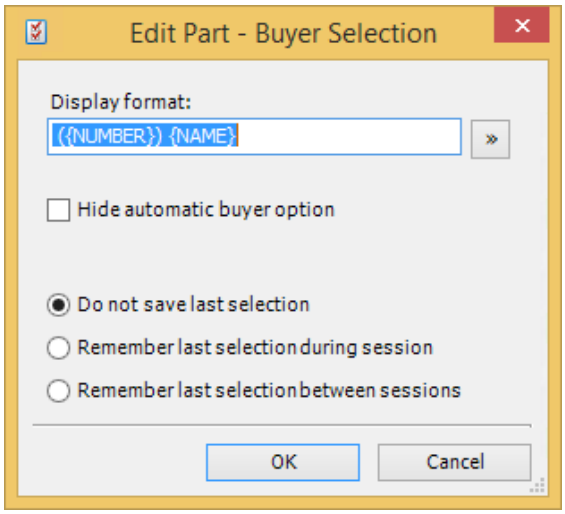
After a part is added, click it, and then click **Edit** to configure it. The dialog displayed depends on what part was selected. Each part—and how to configure it—is described below.

Buyer selection

If you include **Buyer selection** in the configuration, these options are displayed in the **Additional information** dialog when a Scan job starts:



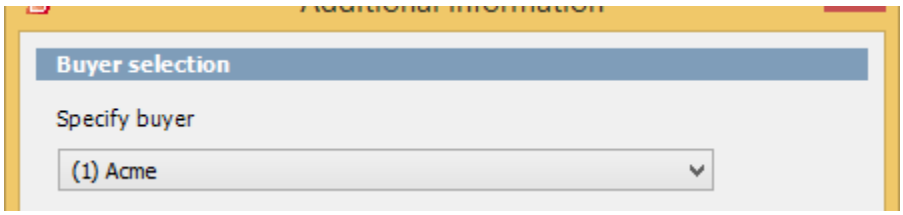
Click **Edit** to configure how buyers are displayed in the drop-down list and whether to save the Scan operator's choice during a scanning session and from one session to the next:



- **Display format** – click the arrow to insert the default macro, {NAME} ({NUMBER}), which at runtime results in (for example):

  My company (123)
  My subsidiary (987)

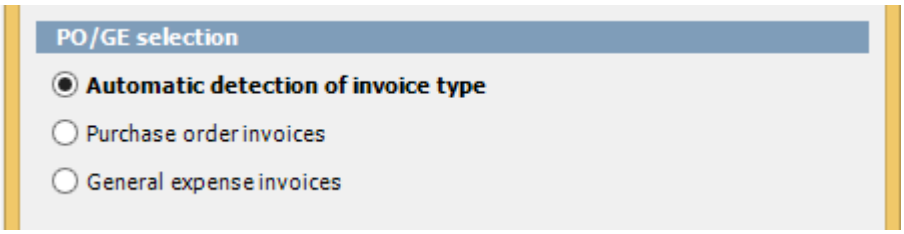
- **Hide automatic buyer option –** Hides **Automatic detection of buyer** in the **Additional information** dialog in Scan. The user needs to specify the buyer manually.



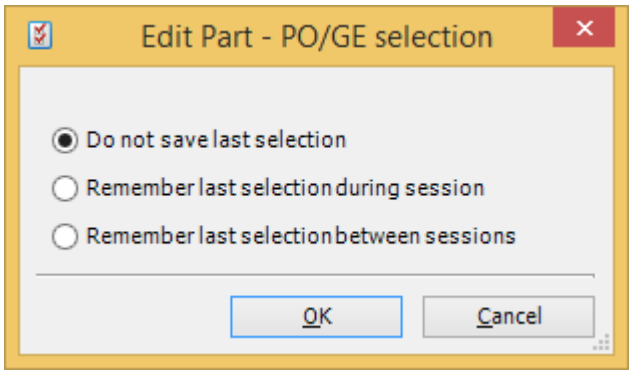
- **Do not save last selection –** the **Specify buyer** box is empty when the Additional information dialog opens.
- **Remember last selection during session** – The most recently selected buyer is the default buyer during the current Scan session. However, the next time you start the Scan module, no buyer is selected initially.
- **Remember last selection between sessions** – The most recently selected buyer is the default buyer, even if Scan is restarted.

PO/GE selection

If you include **PO/GE selection** in the configuration, these options are displayed in the **Additional information** dialog when a Scan job starts:



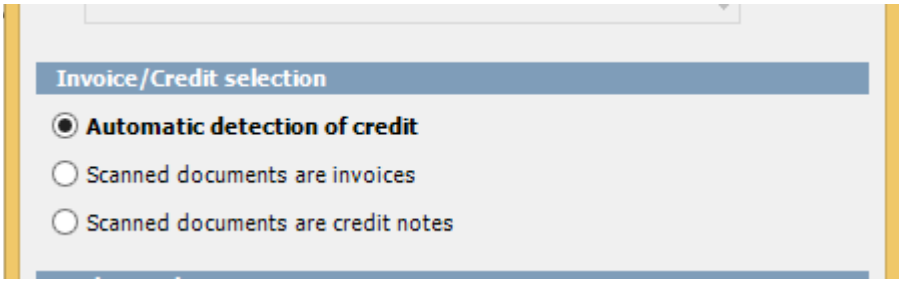
Click **Edit** to configure how to save the Scan operator's choice during a scanning session and from one session to the next:



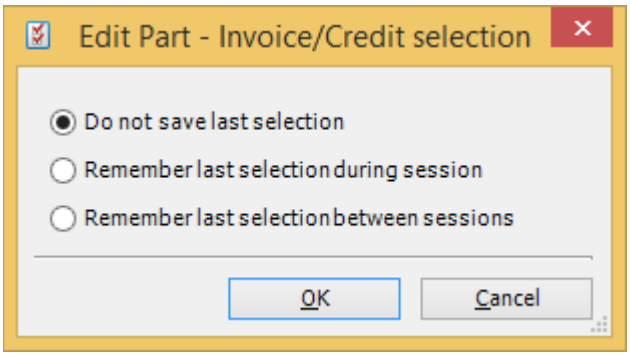
- **Do not save last selection** – **Automatic detection of invoice type** is selected by default.
- **Remember last selection during session** – The most recent selection is the default one. However, the next time the Scan module starts, **Automatic detection of invoice type** is selected again.
- **Remember last selection between sessions** – The most recent selection is the default one, even after Scan restarts.

Invoice/Credit selection

If you include Invoice/Credit selection in the configuration, these options are displayed in the **Additional information** dialog:



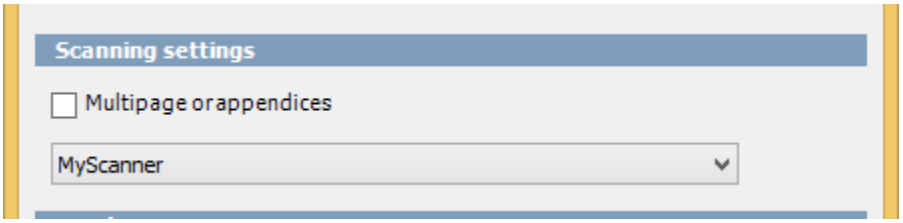
Click **Edit** to configure whether to save the Scan operator's choice during a scan session and from one session to the next:



- **Do not save last selection** – **Automatic detection of credit** is always selected by default in the **Additional information** dialog.
- **Remember last selection during session** – the most recent selection is used in the **Additional information** dialog during the current session. However, **Automatic detection** of credit is selected again the next time Scan starts.
- **Remember last selection between sessions** – the most recent selection is used by default in the **Additional information** dialog even if Scan restarts.

Page properties

Adding **Page properties** adds a section for **Scanning settings** to the **Additional information** dialog. In this part of the dialog, the Scan operator chooses whether to scan only the fronts of pages, or the front and back; whether invoices consist of two or more pages; whether back page images are to be saved for all pages (even when no content is detected); and/or which scanner description to use. One example:

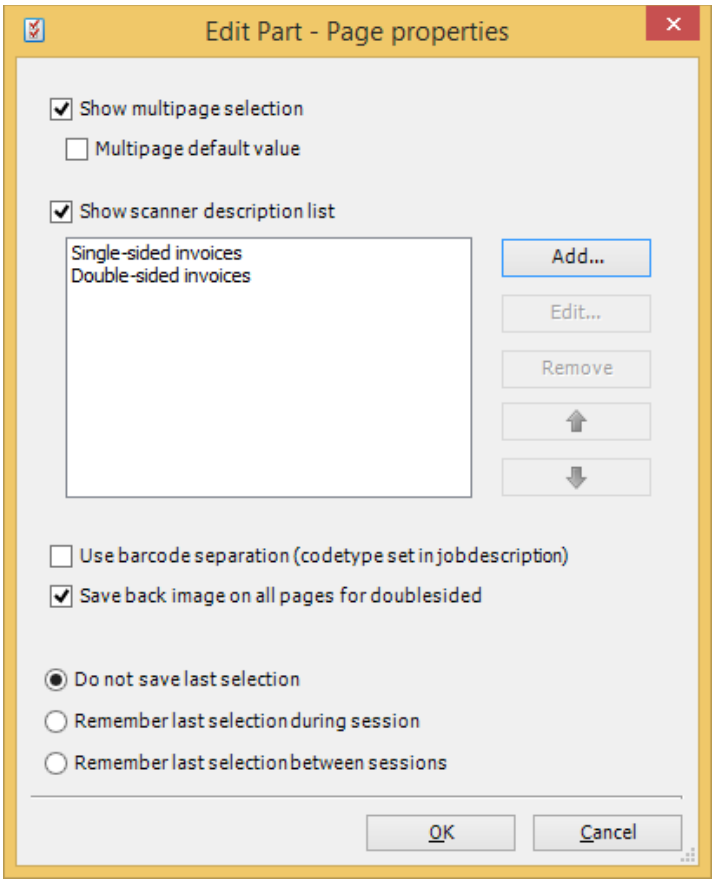


Click **Page properties** > **Edit** to select which options are displayed in the **Additional information** dialog and whether to save the Scan operator's choice during a Scan session and from one session to the next.

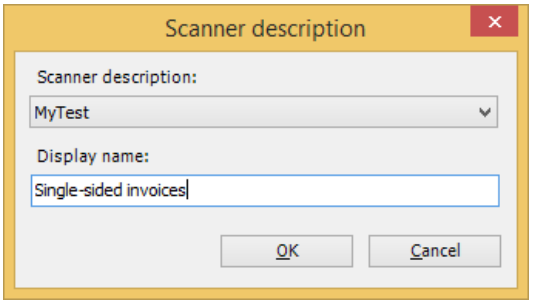
Important: Using the Scanning settings "part" can change the job description:

- If you select **Show multi-page selection**, the **Multi-page invoices or invoices with appendices** option in the job description is updated at runtime, depending on whether or not the Scan operator selects **Multi-page or appendices** in the **Additional information** dialog.
- If you select **Show scanner description list**, it is possible to add one or more scanner descriptions where you map a display name for each description. At runtime, when the Scan operator selects a scanner description, the **Scanner description** setting in the job description is set to one of the scanner descriptions that have been chosen in the **Additional information** dialog.

  Typically two scanner descriptions are created in INVOICES – one for single-sided invoices, and one for double-sided invoices. They can be added to the Additional information dialog with appropriate names to allow the Scan operator to select the correct one from a drop-down list while processing invoices.
- Your choice in selecting **Save back image on all pages for double-sided** also affects the job description duplex scanning is used.



- **Show multipage selection** - displays the **Multi-page or appendices** option in the **Additional information** dialog.
  - **Multipage default value** – if selected, **Multi-page documents** is selected by default in the **Additional information** dialog.
- **Show scanner description list** - If selected, a list of scanner descriptions given appropriate names are displayed in the **Additional information** dialog.
  The list shows the names of the scanner descriptions specified by clicking the **Add** button. The first (top) scanner description is the default in the **Additional information** dialog if **Do not save last selection** is selected.
  - **Add** – click this button to add a scanner description to the list.

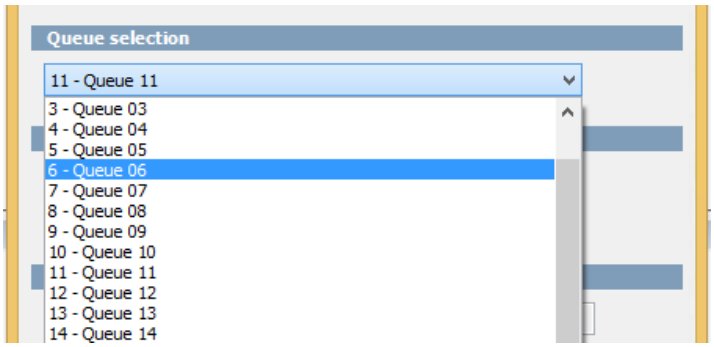


  - **Scanner description** – drop-down list of scanner descriptions defined in INVOICES. Click the appropriate one in the list.

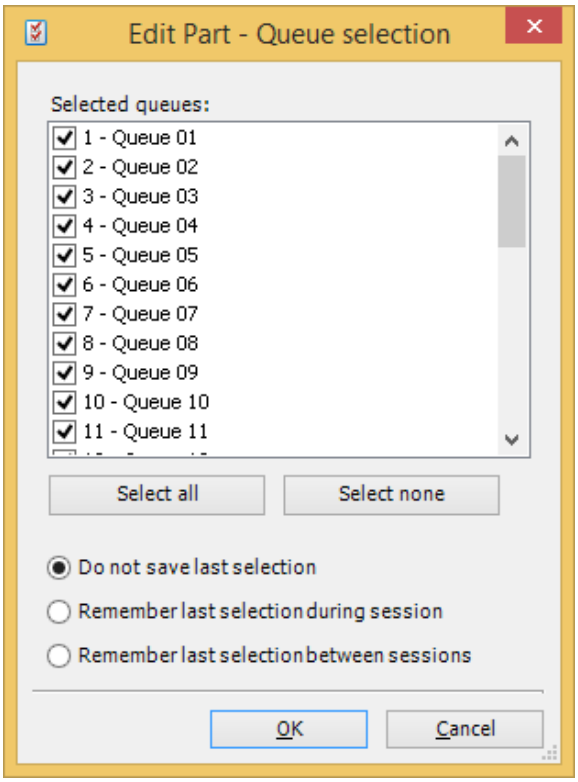
    - **Display name** – the name you want displayed for the scanner description in the **Additional information** dialog.
- **Use barcode separation (codetypes set in jobdescription)** -
- **Save back image on all pages for doublesided** – A back page image is saved for all pages, instead of just the first page.
- **Do not save last selection** – Default values are selected when the **Additonal information** dialog opens.
- **Remember last selection during session** – The most recent selections made in the **Additional information** dialog are used for the current session. However, the default values are used again the next time Scan starts.
- **Remember the last selection between sessions** – the most recent selections made in the **Additional information** dialog are the default ones even if Scan restarts.

Queue selection

This part allows the Scan operator to select which queue the scanned invoices are to be added to:



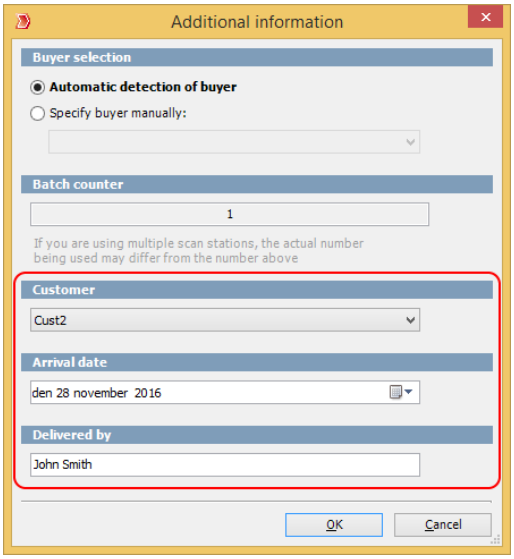
Click **Queue selection** > **Edit** to configure this part:



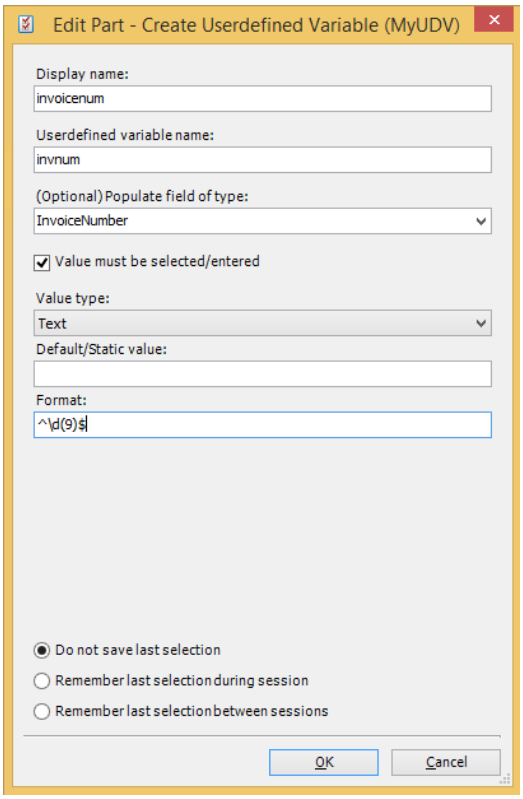
- **Selected queues** - Queues the Scan operator can choose from in the **Additional information** dialog.
- **Do not save last selection** – No queue is selected when the **Additional information** dialog opens.
- **Remember last selection during session** - The most recently selected queue is the default one. However, the next time you start the Scan module, no queue is selected initially.
- **Remember last selection during selection** – The most recently selected queue is the default one, even after Scan restarts.

Create user-defined variable

This part adds user-defined variables to the **Additional information** dialog. In this example, three of these variables were added – a list (**Customer**), a date selection (**Arrival date**), and a free-text field (**Delivered by**):



Click **Create user-defined variable** > **Edit** to configure a variable to be added to scanned invoices. You can also configure whether the Scan operator's selection or entry is saved during a scanning session and from one session to the next.



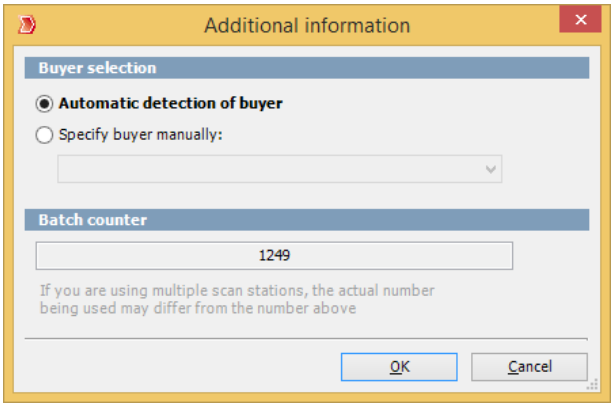
- **Display name** – The name that appears in the Additional information dialog.
- **User defined variable name** – The name of the new user-defined variable.
- **(Optional) Populate field of type** – Optional setting. Fields of the selected field type are filled in with the same value as the user-defined variable.

  Notes:

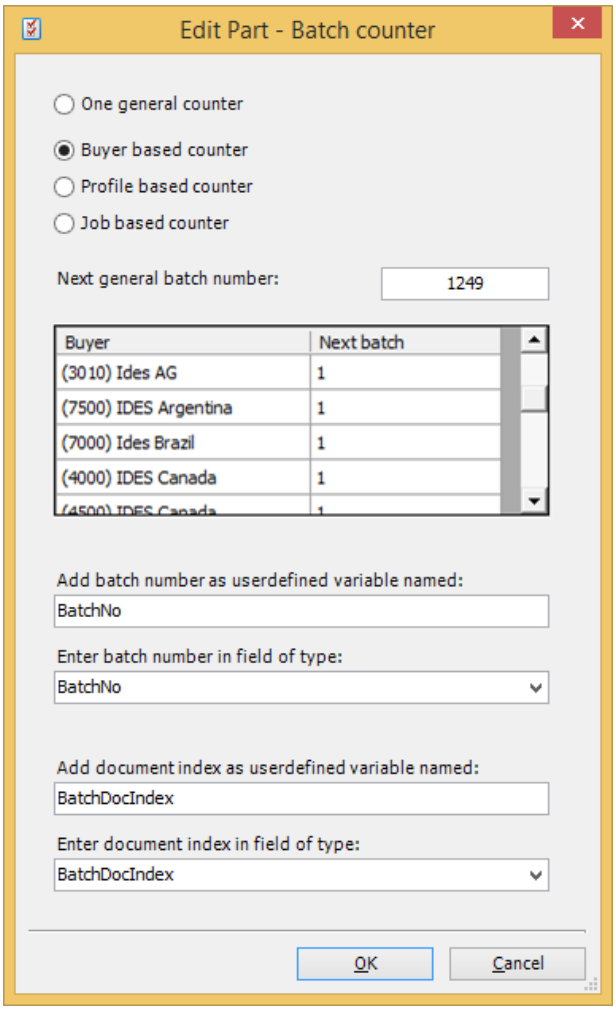
  - This only works if Scan Info is installed on the computer(s) running Interpret.
  - Any existing values in fields of the selected type are overwritten.
- **Value must be selected/entered** – The Scan operator must select or enter a value in the **Additional information** dialog; it cannot be left blank.
- **Value type** – One of the following value types:
  - **Text** – A text box is provided in which the Scan operator can specify a value. A default value can be specified in the **Default/static value** box.
  - **List** – A list of values from which the Scan operator can select a value is provided. If **Set top item as default** is selected, the top item in the list is selected initially.
  - **Static text** – The value of the user-defined variable is set to the text string specified in the **Default/static value** box. The operator does not see the variable in this case.
  - **Date selection** – a calendar is made available from which the operator can select a date. The current date is selected initially.
- **Format** – A regular expression describes the format of the user-defined variable. When defined, the user must type a value that matches the format specified.
- **Do not save last selection** – No value is selected initially except in the case of a date where the current date is selected by default.
- **Remember last selection during session** – The default value is the one most recently selected or entered. However, the next tme you start the Scan module, no value is selected initially.
- **Remember last selection between sessions** – The default value is the one most recently selected or entered even if Scan is restarted.
- **List of values** – This setting is only visible if **Value type** is set to **List**. It contains a list of values for the user-defined variable. A display value can also be defined for each value by writing the value within parantheses. If a display value is not used, the actual value is shown in the **Additional information** dialog.

Batch counter

This adds a numeric counter to the **Additional information** dialog. This number is also printed on the scan report (if printing scan reports is enabled) and can also be added as a user-defined variable on the invoices being scanned.



Click **Batch counter** > **Edit** to configure this part.



- Specify one of the following to define on what to base the counter series:
  - **One general counter** – The batch number is based on one general counter series.
  - **Buyer based counter** – You can specify the counter series used for each buyer.
  - **Profile based counter** – You can specify the counter series used for each invoice profile.
  - **Job based counter** – You can specify the counter series used for each job description.
- **Next general batch number** - If one general counter series is used, specify the next batch number here. This number is automatically incremented when a job is started.

  Note: If a specific counter series is used (based on buyer, for example), and the buyer is not configured (the buyer is new), the general counter is used instead
- **Buyer/Profile/Job description** counter series selection – If any other counter option is selected instead of **One general counter**, a list of the selected type is available in the dialog. In this list, the counter series can be specified for each buyer/profile/job description (depending on the type chosen).
- **Add batch number as userdefined variable named –** (Optional) If a name is specified here, a user-defined variable with the specified name is added to each scanned invoice, and the value is set to the value of the current counter.
- **Enter batch number in field of type –** (Optional) Fields of the field type selected here are filled in with the same value as the batch counter during interpretation.

  Note: This only works if Scan Info is installed on the computer(s) running Interpret, and only if **User-defined variable name** is also filled in.

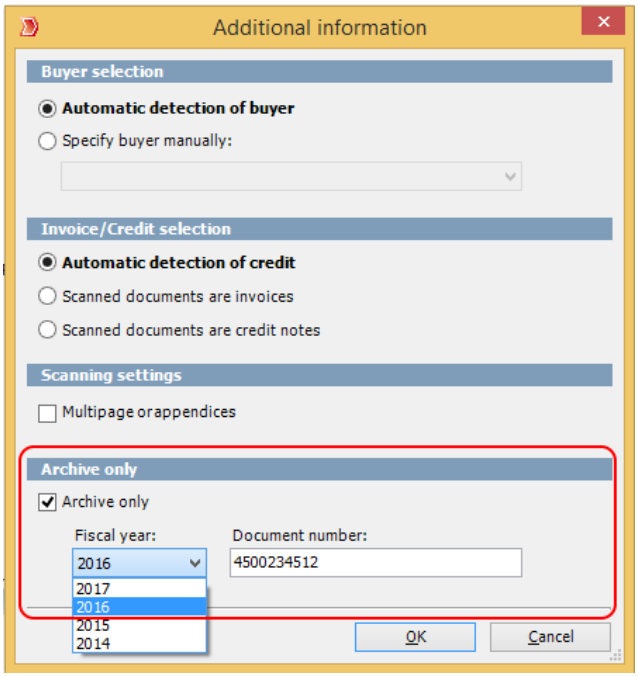
  Warning: Any existing values in fields of the selected type are overwritten.
- **Add document index as userdefined variable named –** (Optional) If a name is specified here, a user-defined variable with the specified name is added to each scanned invoice, and the value is set to the value of the current batch document index (starting with number 1 for each batch).
- **Enter document index in the field of type** – (Optional) Fields of the selected field type are filled in with the same value as the batch document index during interpretation.

  Note: This only works if Scan Info is installed on the computer(s) running Interpret, and only if **User-defined variable name** is also filled in.

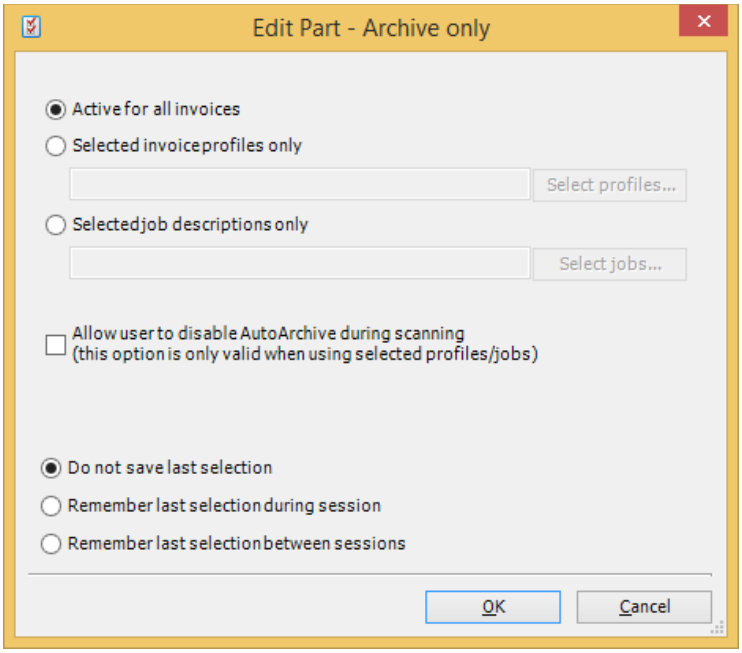
  Warning: Any existing values in fields of the selected type are overwritten.

Archive only

This option adds three user-defined variables that are transferred to the ERP system, mainly used by INVOICES COCKPIT. The functionality is used to send the fiscal year and the referenced document number the scanned document should be attached to into the ERP system.



The configuration for this part includes a setting on how the last selected fiscal year should be saved. The other information (archive only checkbox value, and document number value) are never saved.



- **Active for all invoices** – Archive settings apply to all invoices.
- **Selected invoice profiles only** – Archive setting only apply to selected invoice profiles.
- **Selected job description only** – Archive settings only apply to a selected job description for which invoices are processed.
- **Allow user to disable Auto Archive during scanning** – The Scan operator can toggle the **Archive only** box while scanning when using selected profiles or job descriptions.
- **Do not save last selection** – The fiscal year is always set to the current year.
- **Remember last selection during session** – The most recent fiscal year selected is the default during the current Scan session. However, when the Scan module restarts, the current fiscal year is the default selection again.
- **Remember last selection between sessions** – The most recent fiscal year selected is always the default, even if Scan is restarted.

Advanced configuration

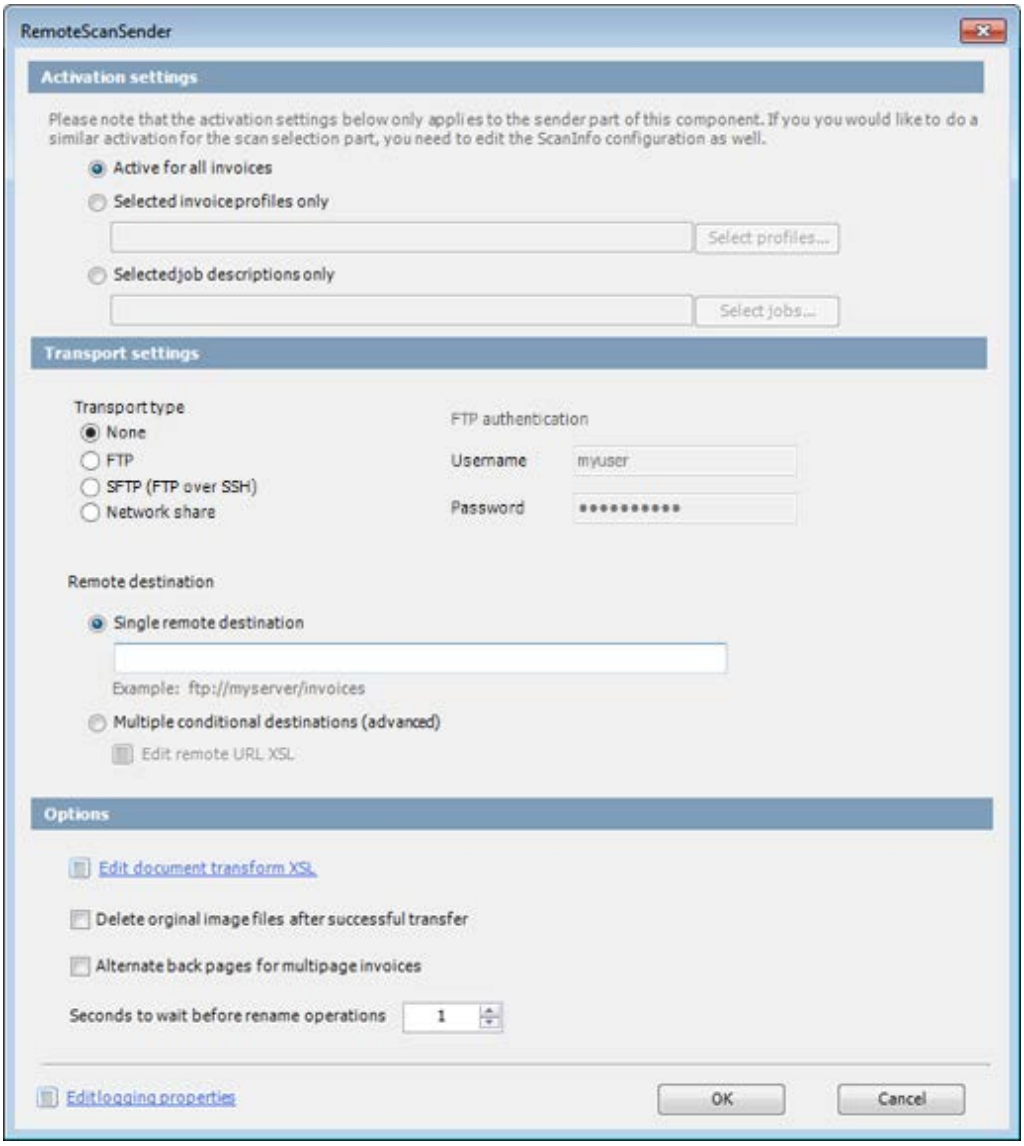
Other advanced configuration options for this part can be changed in the `ScanInfoConfiguration.xml` file as specified below :

```
...
    <ScanInfoPartBase xsi:type="ArchiveOnly">
      <ID>b23362163e1f4aea8651a6839722b831</ID>
      <RememberSelection>None</RememberSelection>
      <FiscalYearUDVName>FiscalYear</FiscalYearUDVName>
      <DocumentNoUDVName>SAPDocumentNo</DocumentNoUDVName>
      <ArchiveOnlyUDVName>ArchiveOnly</ArchiveOnlyUDVName>
      <ArchiveOnlyUDVValue>1</ArchiveOnlyUDVValue>
      <AllowedYearsForward>1</AllowedYearsBack>
      <AllowedYearsBack>2</AllowedYearsBack>
    </ScanInfoPartBase>
...
```

The names of the user-defined variables created and some extra functionality can be modified, if necessary, in this XML file. Use caution when doing this.

Remote ScanSender

Click **Remote ScanSender** to specify which invoices it applies to, the location where to send transferred files using Transfer, and the transport type used to send them. However, note that **Remote ScanSender** cannot be used if **PO/GE selection** or **Batch counter** scan dialog parts are included.



Activation settings

Activation settings specify for which invoices **Remote ScanSender** is used.

- **Active for all invoices** – It is used for all invoices.
- **Selected invoice profiles only** – It is only used for invoices in connection with selected invoice profiles.
- **Selected job descriptions only** – It is only used for invoices in connection with selected job descriptions

Transport settings

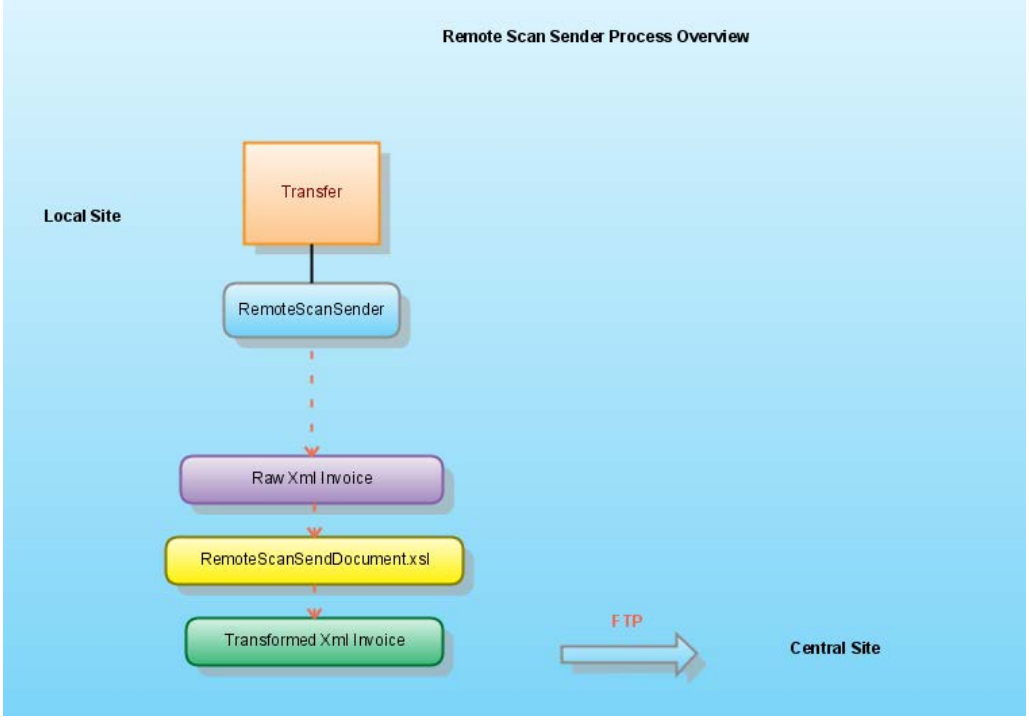
Transport settings specify the mechanism used to transport invoices.

- **Transport type** – specifies which of the following mechanisms is used to transport the invoices.
  - **None**
  - **FTP**
  - **SFTP (FTP over SSH)**
  - **Network share**
- **FTP authentication** – the username and password required when FTP or SFTP transport types are specified.
  - **Username**
  - **Password**
- **Remote destination** – specifies the destination for transferred invoices.
  - **Single remote destination** – the path to the intended destination based on the transport type selected. Example path syntax is provided for each transport type when the type is selected.
  - **Multiple conditional destinations (advanced)** – multiple destinations are specified in the URL XSL transform file accessed using following link.
    - **Edit remote URL XSL** – only available if the previous setting is selected. The link provides access to the URL XSL transform file where multiple destinations can be specified. Knowledge of required syntax needed. See “Changing the remote URL” below.

Customizing Remote Scan Sender

The Remote Scan Sender works with an internal invoice document structure that we call the *Raw XML Invoice*. When the invoice is to be transferred from the local site to the central site, the raw xml invoice is transformed to another xml format that we call the *Transformed XML Invoice*. This xml invoice file, along with the invoice image, is transferred to the central site either by network file copying or by FTP.

The transformation from *Raw XML Invoice* to *Transformed XML Invoice* is made by using XSLT using a file named `RemoteScanSendDocument.xsl`. This file can be customized. To open it, click **Edit document XSL transform** in the **RemoteScanSender** dialog.



For more information about the data format and modification of the XSL file, please refer to the Appendix, where the *Raw XML Invoice*, the XSL file, and the *Transformed XML Invoice* are described. For modification of the XSL file, please refer to external XPath and XSLT documentation (for example http://www.w3schools.com/).

Customization example

The following example illustrates how the `RemoteScanSendDocument.xsl` can be changed so the buyer number that is sent in the *Transformed XML Invoice* is collected from a user-defined variable "company_code".

```
...

<remotescanimportinvoice>

  <xsl:if test="/invoice/udvlist/udv[name='company_code']/value != ''">
    <buyerinfo>
      <number>
        <xsl:value-of select="/invoice/udvlist/udv[name='company_code']/value"/>
      </number>
    </buyerinfo>
  </xsl:if>

  ...
```

Changing the remote URL

If multiple (conditional) remote destinations should be used (e.g. one folder for each buyer), an XSL file named `RemoteScanRemoteUrl.xsl` is used to determine the remote URL to be used for each invoice. You can open this file by clicking **Edit remote URL XSL** in the **RemoteScanSender** dialog.

Below is an example of a customized remote URL XSL where the FTP server folder depends on the buyer number. If buyer number starts with 4, the invoice is sent to the folder named “MyFolder”. If the buyer number starts with 5, the invoice is sent to the folder named “MyOtherFolder”.

```
<?xml version='1.0' encoding='UTF-8'?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="text" encoding="UTF-8"/>
  <xsl:template match="/">
    <xsl:if test="substring(/invoice/information/buyernumber,1,1) = '4'">
      <xsl:text>ftp://ftp.someserver.com/myfolder</xsl:text>
    </xsl:if>
    <xsl:if test="substring(/invoice/information/buyernumber,1,1) = '5'">
      <xsl:text>ftp://ftp.someserver.com/myotherfolder</xsl:text>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
```

Options

The following options are also available:

- **Edit document transform XSL** – provides access to a configurable XSL file used to specify what values should be copied into the XML file that is sent with the invoice image to the central site.
- **Delete original image files after successful transfer** – specifies if the original image files should be deleted from the local site after a successful transfer.
- **Alternate back pages for multipage invoices** – if selected, back pages of multipage documents are alternated with the front pages in the order front, back, front, back. If not selected, back pages are included at the end as in front, front, back, back.
- **Seconds to wait before rename operations** – the transport mechanism uses temporary file names in the process, and this setting is used to change the time to wait before the files names are changed. Normally, it is not necessary to change this setting.
- **Edit logging properties** – accesses a dialog in which the level of logging is specified along with the name and location of the log file.

Support

If you have problems or questions, contact your local distributor first. Each installation is unique, and your Lexmark distributor has knowledge about your particular installation and how you use it.

XSL and XML document structure reference

The following XSL and XML documents show the document structures. Use them as a reference when modifying the XSL file.

RemoteScanSendDocument.xsl

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">


  <!-- Set encoding here -->
  <xsl:output method="xml" encoding="UTF-8" omit-xml-declaration ="no"/>
  <xsl:template match="/">
     <remotescanimportinvoice>
       <xsl:if test="/invoice/information/buyernumber>0">
        <buyerinfo>
          <number>
            <xsl:value-of select="/invoice/information/buyernumber"/>
          </number>
        </buyerinfo>
      </xsl:if>
        <udvlist>
        <udv>
          <name>
            <xsl:text>RemoteScanTime</xsl:text>
          </name>
          <value>
            <xsl:value-of select="/invoice/information/scantime"/>
          </value>
        </udv>
        <xsl:for-each select="/invoice/udvlist/udv">
          <udv>
            <name>
              <xsl:value-of select="name"/>
            </name>
            <value>
              <xsl:value-of select="value"/>
            </value>
          </udv>
```

```
        </xsl:for-each>
      </udvlist>
       <headerfieldlist>
        <xsl:for-each select="/invoice/headerfieldlist/headerfield">
          <headerfield>
            <fieldtype>
              <xsl:value-of select="fieldtype"/>
            </fieldtype>
            <value>
              <xsl:value-of select="value"/>
            </value>
          </headerfield>
        </xsl:for-each>
      </headerfieldlist>
        <xsl:if test="/invoice/information/queuenumber>0">
        <queuenumber>
            <xsl:value-of select="/invoice/information/queuenumber"/>
        </queuenumber>
      </xsl:if>
       <xsl:if test="/invoice/information/endorser!=''">
        <endorser>
          <xsl:value-of select="/invoice/information/endorser"/>
        </endorser>
      </xsl:if>

      <xsl:if test="/invoice/udvlist/udv[@id='archiveonly']/value=1">
        <statusoverride>64</statusoverride>
      </xsl:if>

      <xsl:if test="/invoice/udvlist/udv[@id='creditdetection']/value!=''">
        <creditdetection>
          <xsl:value-of select="/invoice/udvlist/udv[@id='creditdetection']/value"/>
        </creditdetection>
      </xsl:if>
    </remotescanimportinvoice>
  </xsl:template>
</xsl:stylesheet>
```

Remote Scan Sender Raw XML Invoice schema

```
<xsd:schema xmlns:xsd='http://www.w3.org/2001/XMLSchema'
          xmlns:tns='urn:readsoft.invoices.remotescan'
            targetNamespace='urn:readsoft.invoices.remotescan' >

  <!-- ////////////////////////////////////////////////////// -->
  <!--                          Remote Scan                   -->
  <!--                                                        -->
  <!-- This structure defines the raw XML invoice used        -->
  <!-- in the RemoteScan component                            -->
  <!-- Version: 1.0                                           -->
  <!--                                                        -->
  <!-- ////////////////////////////////////////////////////// -->

  <!-- Basic types -->

  <xsd:simpleType name='Boolean'>
    <xsd:restriction base='xsd:integer' >
      <xsd:minInclusive value='0' />
      <xsd:maxInclusive value='1' />
    </xsd:restriction>
  </xsd:simpleType>

  <!-- Item types -->

  <xsd:complexType name='UDV'>
    <xsd:sequence>
      <xsd:element name='name' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='value' type='xsd:string' minOccurs='1' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name='HeaderField'>
    <xsd:sequence>
      <xsd:element name='fieldtype' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='value' type='xsd:string' minOccurs='1' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name='TransactionItem'>
    <xsd:sequence>
      <xsd:element name='name' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='value' type='xsd:string' minOccurs='1' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name='Information'>
    <xsd:sequence>
      <xsd:element name='profilename' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='suppliername' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='suppliernumber' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='buyerid' type='xsd:integer' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='buyernumber' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='buyername' type='xsd:string' minOccurs='1' maxOccurs='1'  />
```

```
      <xsd:element name='currency' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='credit' type='tns:Boolean' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='id' type='xsd:integer' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='guid' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='invoicetypestring' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='userremark' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='scantime' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='queuenumber' type='xsd:integer' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='endorser' type='xsd:string' minOccurs='1' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <!-- List types -->

<xsd:complexType name='UDVList'>
  <xsd:sequence>
    <xsd:element name='udv' type='tns:UDV' minOccurs='0' maxOccurs='unbounded'  />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name='HeaderFieldList'>
  <xsd:sequence>
    <xsd:element name='headerfield' type='tns:HeaderField' minOccurs='0'
maxOccurs='unbounded'  />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name='TransactionItemList'>
  <xsd:sequence>
    <xsd:element name='transactionitem' type='tns:TransactionItem' minOccurs='0'
maxOccurs='unbounded'/>
  </xsd:sequence>
</xsd:complexType>

<!-- Invoice -->

<xsd:complexType name='Invoice'>
    <xsd:sequence>
      <xsd:element name='information' type='tns:Information' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='udvlist' type='tns:UDVList' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='headerfieldlist' type='tns:HeaderFieldList' minOccurs='1'
maxOccurs='1'  />
      <xsd:element name='transactionitemlist' type='tns:TransactionItemList' minOccurs='1'
maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name='invoice' type='tns:Invoice'/>

</xsd:schema>
```

Remote Scan Sender Raw XML Invoice example

```
<?xml version="1.0" encoding="UTF-8"?>
<invoice>
  <information>
    <profilename>GBR_PO</profilename>
    <suppliername>Matthews Foods</suppliername>
    <suppliernumber></suppliernumber>
    <buyerid>1</buyerid>
    <buyernumber>1</buyernumber>
    <buyername>NCB Cantina Catering</buyername>
    <currency>GBP</currency>
    <credit>0</credit>
    <id>33</id>
    <guid>{576FFF39-59F5-4B0E-AF9E-1884BADA3405}</guid>
    <invoicetypestring>POInvoices</invoicetypestring>
    <userremark></userremark>
    <scantime>20080114_154144</scantime>
    <queuenumber>0</queuenumber>
    <endorser></endorser>
  </information>
  <udvlist>
    <udv id="creditdetection">
      <name>CreditDetection</name>
      <value>0</value>
    </udv>
    <udv id="invoicedate">
      <name>InvoiceDate</name>
      <value>20080101</value>
    </udv>
  </udvlist>
  <headerfieldlist />
  <transactionitemlist>
    <transactionitem id="#profile">
      <name>#Profile</name>
      <value>GBR_PO</value>
    </transactionitem>
    <transactionitem id="#date">
      <name>#Date</name>
      <value>080114</value>
    </transactionitem>
    <transactionitem id="#status">
      <name>#Status</name>
      <value>11</value>
```

```
</transactionitem>
<transactionitem id="#time">
  <name>#Time</name>
  <value>154144</value>
</transactionitem>
<transactionitem id="lineitems">
  <name>LineItems</name>
  <value></value>
</transactionitem>
<transactionitem id="#batchprefix">
  <name>#BatchPrefix</name>
  <value></value>
</transactionitem>
<transactionitem id="#batchno">
  <name>#BatchNo</name>
  <value></value>
</transactionitem>
<transactionitem id="#batchidx">
  <name>#BatchIdx</name>
  <value>0</value>
</transactionitem>
<transactionitem id="#batchdate">
  <name>#BatchDate</name>
  <value>080114</value>
</transactionitem>
<transactionitem id="#batchtime">
  <name>#BatchTime</name>
  <value>154144</value>
</transactionitem>
<transactionitem id="debit/credit">
  <name>Debit/Credit</name>
  <value>debit</value>
</transactionitem>
<transactionitem id="invoicenumber">
  <name>InvoiceNumber</name>
  <value>88273941697</value>
</transactionitem>
<transactionitem id="invoicedate">
  <name>InvoiceDate</name>
  <value>20080101</value>
</transactionitem>
<transactionitem id="netvalue">
  <name>NetValue</name>
```

```
      <value>340.00</value>
    </transactionitem>
    <transactionitem id="vatrate">
      <name>VATRate</name>
      <value>17.50%</value>
    </transactionitem>
    <transactionitem id="vatvalue">
      <name>VATValue</name>
      <value>59.50</value>
    </transactionitem>
    <transactionitem id="deliverycost">
      <name>DeliveryCost</name>
      <value>0.00</value>
    </transactionitem>
    <transactionitem id="grossvalue">
      <name>GrossValue</name>
      <value>399.50</value>
    </transactionitem>
    <transactionitem id="currency">
      <name>Currency</name>
      <value>GBP</value>
    </transactionitem>
    <transactionitem id="ordernumber">
      <name>OrderNumber</name>
      <value>4200183729</value>
    </transactionitem>
    <transactionitem id="vatreg">
      <name>VATReg</name>
      <value>23</value>
    </transactionitem>
    <transactionitem id="deliverynote">
      <name>DeliveryNote</name>
      <value></value>
    </transactionitem>
  </transactionitemlist>
</invoice>
```

Remote Scan Sender Transformed XML Invoice schema

```
<xsd:schema xmlns:xsd='http://www.w3.org/2001/XMLSchema'
          xmlns:tns='urn:readsoft.invoices.remotescan'
            targetNamespace='urn:readsoft.invoices.remotescan' >

  <!-- ////////////////////////////////////////////////////// -->
  <!--                            Remote Scan                  -->
  <!--                                                        -->
  <!-- This structure defines the transformed XML invoice used  -->
  <!-- in the RemoteScan component                            -->
  <!-- Version: 1.0                                            -->
  <!--                                                        -->
  <!-- ////////////////////////////////////////////////////// -->

  <!-- Basic types -->

  <xsd:simpleType name='Boolean'>
    <xsd:restriction base='xsd:integer' >
      <xsd:minInclusive value='0' />
      <xsd:maxInclusive value='1' />
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name='CreditDetection'>
    <xsd:restriction base='xsd:integer' >
      <xsd:minInclusive value='0' />
      <xsd:maxInclusive value='2' />
    </xsd:restriction>
  </xsd:simpleType>

  <!-- Item types -->

  <xsd:complexType name='UDV'>
    <xsd:sequence>
      <xsd:element name='name' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='value' type='xsd:string' minOccurs='1' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name='HeaderField'>
    <xsd:sequence>
      <xsd:element name='fieldtype' type='xsd:string' minOccurs='1' maxOccurs='1'  />
      <xsd:element name='value' type='xsd:string' minOccurs='1' maxOccurs='1'  />
```

```
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name='BuyerInfo'>
    <xsd:choice>
      <xsd:element name='id' type='xsd:string'  />
      <xsd:element name='number' type='xsd:string'  />
      <xsd:element name='name' type='xsd:string'  />
    </xsd:choice>
  </xsd:complexType>

  <!-- List types -->

<xsd:complexType name='UDVList'>
  <xsd:sequence>
    <xsd:element name='udv' type='tns:UDV' minOccurs='0' maxOccurs='unbounded'  />
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name='HeaderFieldList'>
  <xsd:sequence>
    <xsd:element name='headerfield' type='tns:HeaderField' minOccurs='0' maxOccurs='unbounded'  />
  </xsd:sequence>
</xsd:complexType>

 <!-- Invoice -->

 <xsd:complexType name='ImportInvoice'>
    <xsd:sequence>
      <xsd:element name='buyerinfo' type='tns:BuyerInfo' minOccurs='0' maxOccurs='1'  />
      <xsd:element name='udvlist' type='tns:UDVList' minOccurs='0' maxOccurs='1'  />
      <xsd:element name='headerfieldlist' type='tns:HeaderFieldList' minOccurs='0'
maxOccurs='1'  />
      <xsd:element name='statusoverride' type='xsd:integer' minOccurs='0' maxOccurs='1'  />
      <xsd:element name='creditdetection' type='tns:CreditDetection' minOccurs='0'
maxOccurs='1'  />
      <xsd:element name='queuenumber' type='xsd:integer' minOccurs='0' maxOccurs='1'  />
      <xsd:element name='endorser' type='xsd:string' minOccurs='0' maxOccurs='1'  />
      <xsd:element name='invoicetypeoverride' type='xsd:string' minOccurs='0' maxOccurs='1'  />
    </xsd:sequence>
  </xsd:complexType>

  <xsd:element name='remotescanimportinvoice' type='tns:ImportInvoice'/>

</xsd:schema>
```

Remote Scan Sender Transformed XML Invoice example

```
<remotescanimportinvoice>
  <buyerinfo>
    <number>1</number>
  </buyerinfo>
  <udvlist>
    <udv>
      <name>RemoteScanTime</name>
      <value>20080114_154144</value>
    </udv>
    <udv>
      <name>CreditDetection</name>
      <value>0</value>
    </udv>
    <udv>
      <name>InvoiceDate</name>
      <value>20080101</value>
    </udv>
  </udvlist>
  <headerfieldlist />
  <creditdetection>0</creditdetection>
</remotescanimportinvoice>
```