



Lexmark™

Distributed Intelligent Capture

Integration Guide

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Overview

The Lexmark Distributed Intelligent Capture system has two parts:

- *Intelligent Data Extraction* (IDE) engine—This is composed of the project and learnset created from the Distiller.
- Distributed Capture Platform—This is the workflow solution created from the software development kit (SDK).

This document is intended to guide the integration of the two parts, the IDE engine and the Distributed Capture Platform. The following skills are essential for integrating these parts:

- A thorough knowledge of the Distiller, especially its workflow for a document, and solution authoring by way of the WinWrap script engine
- A general understanding of the basics of solution authoring by way of the SDK, including submitting jobs to Lexmark Distributed Intelligent Capture using the job submission application programming interface (JSAPI)

Getting started

Installing the Distributed Capture Platform

To install the Distributed Capture Platform, see the "Installing Lexmark Distributed Intelligent Capture" section of the *Lexmark Distributed Intelligent Capture Administrator's Guide*.

Installing the IDE engine

- 1 Insert the CD into the computer where the Distiller and Lexmark Distributed Intelligent Capture are installed.
- 2 Follow the instructions on the computer screen.

Note: For more information on installing the IDE engine, see the *Intelligent Data Extraction Install Guide*.

Understanding the integration process

The integration process can occur at these integration points:

- The Distributed Capture Platform submits a file to the IDE engine as a file drop.
- The IDE engine submits a file to the Distributed Capture Platform as a file drop that is being watched by the directory watcher service.
- The IDE engine submits a file to the Distributed Capture Platform as a file drop that is being watched by a scripted (Job Submission) directory watching code.
- The IDE engine submits a file to the Distributed Capture Platform using the JSAPI.

The expected most common implementation is customizing the export event in the IDE engine so that it automatically sends the classification and extraction results to the Distributed Capture Platform. Another expected implementation is sending the entire workdoc (.wdc) file to the Distributed Capture Platform, and then instructing it to parse the workdoc file. However, there is no sample script for parsing the workdoc file, so this requires writing your own script.

Configuring the engines

Setting the correct DLL file for your project

Make sure the project you created in the IDE Engine references the correct *Dynamic Link Library* (DLL) file.

- 1 In Distiller, open Script View for Project.
- 2 Click **Edit > References**.
- 3 From the Available References section, scroll down and select **Microsoft Scripting Runtime (1.0)**, and then click **OK**.

Creating a script for an export event

The Distiller may already contain a default script for exporting documents. Configure the default script so that the Distiller exports the documents into the Lexmark Distributed Intelligent Capture database by calling the JSAPI. The JSAPI starts the scripted task and passes metadata and the original scanned file as a Tagged Image File Format (TIFF) file.

- 1 In Distiller, open Script View for Project, and then load the ExportDocument event.
- 2 Replace the following script with your own script.

```
Private Sub ScriptModule_ExportDocument(pWorkdoc As SCBCdrPROJLib.SCBCdrWorkdoc,  
ByVal ExportPath As String,  
pCancel As Boolean
```

Notes:

- For an example of an export script, see [“Sample script for an export event” on page 7](#).
- Make sure the pWorkdoc object can access all of the document classification and extraction results. For more information, see the *Scripting Guide*.

Creating a script for a customized workflow

You may configure the IDE engine to automatically send the output results to a preset folder in the Distributed Capture Platform.

- 1 Open Distiller Designer, and then click **View > Definition Mode**.
- 2 From the Classes tab, select your project, and then click **Edit > Show DocClass > Edit Script**.

Note: Make sure your project uses the correct DLL file. For more information, see [“Setting the correct DLL file for your project” on page 5](#).

- 3 On the Script sheet, write the script to customize your workflow.

Creating a profile in Distributed Capture Platform

Create a profile in Distributed Capture Platform so that it can accept the requests from the IDE engine and execute the script.

To create a profile, see "Creating and populating software client groups" in the *Lexmark Distributed Intelligent Capture Administrator's Guide*.

Note: In step 4 of the topic "Adding software clients to a software client group," type the IP address of the server where Lexmark Distributed Intelligent Capture is installed.

Appendix

Sample script for an export event

```
Public Function fnJSAPIProfileCall(ByVal profileName As String,
pWorkdoc As SCBCdrPROJLib.SCBCdrWorkdoc)
    Dim SOAPResponse, XML

    SOAPResponse = fnJSAPIStart(profileName, pWorkdoc)

    ' Parse START response
    Set XML = CreateObject("Microsoft.XMLDOM")
    XML.setProperty "SelectionLanguage", "XPath"
    XML.async = False
    XML.loadXML(SOAPResponse)

    Dim names, values
    Set names = XML.selectNodes("//name")
    Set values = XML.selectNodes("//value")

    Dim key, sessionID, scanUrl, tomcatIP, webdavUser, webdavPasswd
    Dim idx
    For idx=0 To names.length-1
        key = names(idx).Text

        If key = "sessionID" Then
            sessionID = values(idx).Text
        ElseIf key = "tomcatIP" Then
            tomcatIP = values(idx).Text
        ElseIf key = "scanUrl" Then
            scanUrl = values(idx).Text
        ElseIf key = "webdavUser" Then
            webdavUser = values(idx).Text
        ElseIf key = "webdavPasswd" Then
            webdavPasswd = values(idx).Text
        End If
    Next

    ' Optionally put the original tiff to the correct webdav folder
    ' location for processing by the script being run.
    Dim doWebDavPut As Boolean
    doWebDavPut = True ' hardcoded True for this example
    If doWebDavPut Then
        Dim http, fNameWithoutExt, fName, fileObject, fileBytes
        ' Original tiff file
        fNameWithoutExt = Left(pWorkdoc.FileName, CStr(Len(pWorkdoc.FileName) - 3))
        fName = fNameWithoutExt & ".tif"

        ' Load tif bytes
        Set fileObject = CreateObject("ADODB.Stream")
        fileObject.type = 1
        fileObject.Open
        fileObject.LoadFromFile fName

        fileBytes = fileObject.Read

        ' webdav put bytes
        Set http = CreateObject("MSXML2.XMLHTTP.3.0")
```

```
    http.Open "PUT", scanUrl & "/scan.0.file.0.tif", False, webdavUser, webdavPasswd
    http.setRequestHeader "translate", "f" ' Set this to prevent stream problems
    http.Send fileBytes ' Send the stream across
End If

    fnJSAPIMetadata(sessionID, scanUrl, tomcatIP)
End Function
```


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