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Kofax Ascent Capture

Script Reference

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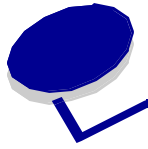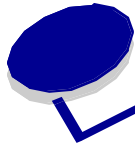
Table of Contents

Purpose

This action module directly imports documents from an LDSS server into a Kofax Ascent Capture application repository.

Required Action Module Files

- **SBKofax.amo** – the action module binary code file that contains the Kofax object.
- **SBKofax.xml** – the action module description file.
- **Kofax.xl8** – the action module translatable strings file.
- **SBKofaxServer.exe** – the .EXE server, through which .AMO interact with Kofax.
- **SBKofaxProxy.dll** – Handles the marshaling job between .AMO and .EXE.

Prerequisites

The Kofax Ascent Capture action module depends upon having the following prerequisites:

- LDSS Server version 3.3.

- Kofax Ascent Capture versions 5.5 or 6.0, installed on the LDSS Server.

- Ascent Capture can be installed in one of two modes: Standalone or Client/Server. If Ascent Capture has been installed in standalone mode, the Document Server software must be installed on the same machine.

  If Ascent Capture has been installed in client/server mode, then only the Ascent Capture Scan Client must be installed on the same machine as the LDD server. Since the Document Server runs as a service, it has no access to mapped network drives. So, during the installation of the Ascent Capture server, the server installation directory should have been specified as a UNC path instead of a mapped network drive path. This also affects the paths that should be used when creating batch classes. For more information on this, please consult Appendix D, "Ascent Capture Services," in the *Getting Started with Ascent Capture 5* book that was included with the Ascent Capture product.

- If client/server mode is being used by Ascent Capture, the Lexmark Document Server service must be configured to log in as a user that has network access rights to the Ascent Capture Server. The username/password specified for the service is for an NT account, not an Ascent Capture account; the Ascent Capture UserID and password will be specified in the script. For more information on configuring the Document Server service to login as a user, please consult the readme file installed with the Document Server.

Properties

This section details the properties/methods used to insert one or more documents with any associated metadata into Kofax Ascent Capture.

Name	Type	Mandatory	Additional Comments
UserID	string	No	The username of an account that has permission to import a batch. This is only necessary if Ascent Capture has enabled User Profiles.
Password	string	No	The password of the account specified by username.
BatchName	string	No	Name of the batch to create. The name must be unique; no two batches can exist at the same time with the same name. If no name is specified, Ascent Capture will use the date/time as the name.
BatchDescription	string	No	Description of the batch being created. If provided, it cannot exceed 80 characters.
BatchClass	string	Yes	Name of the batch class that defines how the batch is to be processed by Ascent Capture.
BatchPriority	int	Yes	Priority level for the batch; this impacts the order in which the batch is processed by Ascent Capture modules. Valid values are 0 to 10. If 0 is specified, the priority level specified in the batch class definition will be used. If a value from 1 (highest priority) to 10 (lowest priority) is specified, it will override the priority set in the batch class definition. Default Value: 0

BatchDeleteOnError	bool	Yes	If set to TRUE, the batch will be deleted if any errors are encountered during the batch creation processes.
			If set to FALSE, the batch will be retained and sent to the Quality Control module. NOTE: Even if set to FALSE, Ascent Capture may still delete the batch in some cases. Please see the section on error handling below.
			Default Value: FALSE

Methods

Method	Comments

bool Go()	Once all the data for the batch has been set using the above properties and the following methods, call this method to actually create and import the batch.
	
	Parameters:
	    None
	
	Returns:
	    TRUE – batch was imported with no errors
	    FALSE – batch could not be imported or it was imported with errors

void Reset()	Reset () clears all information previously set for this action and returns all properties to their default value.
	
	Reset () has no effect on script variables.
	The Reset method is not required but can be useful to ensure all properties and any internal states are known.
	
	Note that property values remain set after the selection of any method, unless explicitly stated otherwise.
	
	This means that a subsequent selection of a previously invoked method will use the same values as the original selection unless they are either explicitly set again or are set to their default values by the Reset () method.
	
	Parameters:
	    None
	
	Returns:
	    None

|	
bool AddBatchField (string FieldName, string FieldValue)	When the batch class was created, one or more batch fields may have been defined to gather information relevant to the whole batch, such as the user id of the person that submitted the job. This action will automatically set the default value (if any) for all batch fields defined for this batch class. Call this method to override the default value or set one in case a default was not specified. The value is allowed to be an Ascent Capture macro value such as "{Site ID}"; the macro will be executed and the batch field set to the resulting value. Parameters: 　　FieldName – name of the batch field 　　FieldValue – value to be used for the specified 　　field (maximum of 254 characters allowed) Returns: 　　TRUE – batch field was successfully set 　　FALSE – batch field name was empty or already 　　set, or value was too long
bool AddBatchTotal (string FieldName, int FieldValue)	When the batch class was created, batch totaling may have been used for certain numeric index fields. If so, you can use this method to set the expected totals for this batch. (Refer to Batch Totaling in the Ascent Capture help for more information on this topic.) Parameters: 　　FieldName – name of the batch total field 　　FieldValue – expected total for this field Returns: 　　TRUE – batch total was successfully set 　　FALSE – batch field name was empty or already 　　set

int AddDocument (string FormType)	When the batch class was created, it was defined to use one or more document classes. A document class refers to a set of one or more form types that share the same index fields.
	Each batch can contain one or more documents. A document represents a single form to be imported as a part of this batch. Each document contains one or more pages (since a form can be one or multi-page) and optionally index fields. The documents are imported in the order in which they are added.
	Parameters: FormType – Name of the Ascent Capture form type associated with the document

	Returns:
	    DocIndex – document index used to add pages and index fields for this document.
	    Returns -1 if parameter is empty or greater than 32 characters.

bool AddPage (int DocIndex, doc PageToAdd)	A page refers to a single form to be imported as part of this document or batch. If the specified document contains multiple pages or files, a page object will be created for each, so there is no need to make separate calls for each if all the pages belong to the same document. NOTE: Non-image files such as PDF or Microsoft Word documents can only be used if the batch class definition includes support for eDocuments; if supported, they are treated as a single page.

	Parameters:
	    DocIndex – if 0, loose pages are being used and this page should be added to the batch. Otherwise, this is the document index as returned by the AddDocument method to which this page should be added.
	    PageToAdd – page to be added to the specified document

	Returns:
	    TRUE – page was added
	    FALSE – DocIndex of 0 was specified but a document has been previously added; loose pages cannot be added if a document has been added

bool AddIndexField (int DocIndex, string FieldName, string FieldValue)	When the document class was defined, various index fields could have been defined. If so, use this method to set values for any of the index fields you want. If loose pages are being used, no index fields can be set.
	Parameters:
	DocIndex – document index for which the index field is being added
	FieldName – name of the index field
	FieldValue – value to be used for the specified field (maximum of 254 characters allowed)
	Returns:
	TRUE – index field successfully set
	FALSE – DocIndex was invalid, FieldName was empty, FieldName was already defined for this DocIndex, or FieldValue was too long

Error Handling

Until the Go method is called, the validity of any data that is set via the properties or via the Add methods is not checked. The error codes returned by the Add methods only indicate errors that involve length or mixing or loose pages and documents.

When the Go method is called, all the information set via the properties and Add methods is used to login to Ascent Capture, create the batch, import the documents, set the various batch fields, batch totals, and index fields. Until the batch is created, the DeleteOnError property has no effect. Once a batch has been successfully created, if an error occurs and delete is set to TRUE, the batch will be deleted from the Ascent Capture. If delete is set to FALSE, the batch will be rejected, which will send the batch to the Quality Control queue. If no errors occur while setting the values and importing the files, the batch is closed and sent on to the next queue.
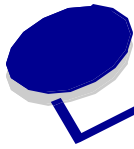
ADDITIONAL INFORMATION

Examples

The following basic script fragments demonstrate common actions that the Kofax Ascent Capture action module can perform. Typically, these script fragments will be used as parts of larger scripts. In all of the examples, it is assumed the Notes ID on the LDD machine is already set up to share a password. Otherwise, or for HTTP connections, the password would be specified in the script.

To insert the scanned document into Kofax Ascent Capture

This example assumes that the scanned document is a single file. This is the smallest complete example of using the insert action and does not include any options.

```
int DocIndex

with KofaxInsert
   .BatchClass = "myClass"
   .BatchName = original.usertime
   .BatchDescription = "Created by mfp user"
   .UserID = "myId"
   .Password = "myPass"
   .BatchPriority = 1
   DocIndex = .AddDocument( "myFormType" )
   if( !.AddPage( DocIndex,original.document ) )
      exit "AddPage Failed - 1"
   endif
   if( !.AddBatchField( "SiteID", "1" ) )
      exit"Wrong AddBatchField"
   endif

   if( !.AddIndexField( DocIndex, "Customer_Name", "John Doe" ) ) then
      exit("AddIndexfield returns FALSE")
   endif
   if( !.AddIndexField( DocIndex, "Address", "myPlace" ) ) then
      exit("AddIndexfield returns FALSE")
   endif
   if( !.AddIndexField( DocIndex, "Pin", "700074" ) ) then
      exit("AddIndexfield returns FALSE")
   endif
   .Go()
      endwith
```

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