

KOFAX Capture

Ascent® 7.0 Release Script for
Hummingbird DM 5.0-5.1
Release Notes



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Contents

Introduction	7
Additional Documentation	7
System Requirements	7
Hummingbird DM Server Support	8
Hummingbird Records Management Support	8
Client Operating System Support	8
Administration and Release Workstations – Additional Requirements	9
Source Code	9
Features	10
Ascent Capture Value {Document GUID}	10
Ascent Values / DM Index Fields	10
DM Custom Constants	10
Excluding DM Index Fields	10
Security	10
Versioning Options	11
DM Libraries and Profiles	11
German DM 5.1 Support	11
Keywords	11
Duplicate Documents	11
Folder Support	12
Release to Records Management System	12
Integrated Release Setup	12
SecurityBoost Supported	12
Online Help Available for Release Setup	12
Image Support	13
Kofax PDF Support	13
Adobe PDF Support	13
OCR Full Text Support	13
eDocument Support	13
Additional Information	14
Unsupported Ascent Capture Features	14
File Name Retention	14
Access to Documents and Folders	14
{Index Operator’s Station ID} Ascent Capture Values	15
Context Menu Removed From the Folder Hierarchy	15
Hummingbird DM Extensions API Patch	15
Hummingbird DM Projects	15
Hummingbird DM User Permissions	15
Application and Document Type Fields	16
Releasing to Records Management	16

Search Criteria for Duplicate Folders	16
DM Check Box Attributes Requires Numeric Values	17
Releasing to Localized Versions of Hummingbird DM	17
Excluding DM Profile Attributes	17
Sharing Data Among Release Scripts	19
OCR Full Text Options	19
Kofax PDF Options	20
Adobe Acrobat Capture Options	20
Operating System Requirements for Ascent Capture	20
Adobe Acrobat Capture and the Ascent Capture Release Workstation Installations	21
Releasing Adobe PDF Documents	21
Workflow Steps	21
Multipage TIFFs	22
Releasing from Multiple Ascent Capture Standalone Workstations	22
Re-releasing Documents in Error	22
Invalid Watched Folders	22
Installing the Release Script	23
Important Note About Installation	23
Installation Instructions	23
Upgrading the Release Script	23
Important Note About Upgrade	23
Upgrade Instructions	24
Application Maintenance	25
Repairing the Release Script	25
Removing the Release Script	26
Logging on to the Release Script	27
Setting Up the Release Script	30
Document Settings Tab	30
Folder Settings Tab	31
Security Settings Tab	32
Image Format Tab	33
General Settings Tab	34
Publishing a Batch Class	35
Releasing Batches	36
Known Problems	37
Problems When Installing on Windows XP	37
Problems When Uninstalling the Release Script	37
Uninstalling the DMRel Folder	37
Blank Passwords are Not Supported	37
Document Released to Last Converted Folder is Not Viewable	38
Deleting the Last Remaining Folder from the Hummingbird DM Server	38
Duplicate "Billable" Attributes in the LAWPROF Profile	38
eDocument Name Not Preserved at Release	39
Images, PDF Documents, and eDocuments Display in Versions Tab	39

Duplicate Folders With Public Settings	40
Public Setting Creates Duplicate Folders	40
Changing Public Setting on Hummingbird DM Server	40
Non-public Folder Created When the Public Check Box Selected	41
Public Folder Created Without Permissions	41
“Error 75 - Path/File Access” Error	41
Select a Version to Publish Dialog Box Displays During Release	41
Adobe Acrobat Capture Error	42
Releasing Versions of Documents With OCR Attachments	42
Possible Memory Leak When Releasing Documents	43
OCR Full Text Files Saved With TIF Extension	43
Customizing a Hummingbird Profile Form	43
Releasing Kofax PDF With TIFF Files	43
Multiple Release Problems	44
Using Duplicate User Names	44
Releasing Documents With Multiple Release	44
Appendix A - Data Type Conversion	45
Ascent Value Data Types	45
Text Constants	45
Appendix B - Kofax Technical Support	46

Introduction

This document contains the release notes for the Ascent 7.0 Release Script for Hummingbird DM, which supports:

- Hummingbird DM 5.0
- Hummingbird Enterprise – DM 5.1
- Hummingbird Enterprise – DM 5.1.05 (*Hummingbird Enterprise 2004 – DM*)
- Hummingbird Enterprise – DM 5.2.1

This release script releases images, OCR full text files, PDF documents, eDocuments, and index values from Ascent Capture into your DM repository.

Please read these notes carefully as they contain information not included in the Ascent Capture Help or printed documentation.

Additional Documentation

These release notes are a supplement to the following:

- *Ascent Capture Advanced Features Guide*
- Ascent Capture Release Notes
- *Getting Started with Ascent Capture guide*
- *Installation Guide for Ascent Capture and Ascent Capture Internet Server*
- *Learning Ascent Capture guide*
- Help provided from any of the Ascent Capture modules
- Help provided with the Ascent 7.0 Release Script for Hummingbird DM

For more information about Hummingbird DM or other Hummingbird products, contact your Hummingbird representative or refer to the documentation that came with your Hummingbird DM product.

Tip For additional information about Kofax products, visit our Web site at www.kofax.com and go to the Technical Support pages. The Technical Support Web pages provide product-specific information, such as current revision levels, the latest drivers and software patches, technical tips, and a searchable knowledgebase. In addition, updates to product documentation (if any) are available from these pages.

System Requirements

The Ascent 7.0 Release Script for Hummingbird DM requires the following components to be installed prior to installing this release script.

Warning Before installing any of the Hummingbird DM software patches, we suggest that you review the patch installation sequence recommended by Hummingbird. For more information about the installation sequence or the software patches provided by Hummingbird, visit the Hummingbird Web site at www.hummingbird.com or contact your Hummingbird representative.

Hummingbird DM Server Support

The Ascent 7.0 Release Script for Hummingbird DM requires the following network server components:

- Hummingbird DM Server 5.0 (with Patch 1 and Patch 5), Hummingbird DM Server 5.1 (with Patch 4), or Hummingbird DM Server 5.1.0.5 (with Service Release 4 and Maintenance Release 4)
- Hummingbird DM Web Server 5.0 (with Patch 1 and Patch 7), Hummingbird DM Web Server 5.1 (with Patch 1), or Hummingbird DM Web Server 5.1.05 (with Service Release 4 and Maintenance Release 4)
- Hummingbird DM API 5.0 (with Patch 1 and Patch 5). Hummingbird DM API 5.1 (with Patch 1), or Hummingbird DM API 5.1.05 (with Service Release 4 and Maintenance Release 4)
- Hummingbird DM Extension API 5.0 (with Patch 7) or Hummingbird DM Extension API 5.1 (with Patch 1), or Hummingbird DM Extension API 5.1.05 (with Service Release 4 and Maintenance Release 4)

Note This release script was tested against a Hummingbird DM Server 5.2.1 on a Windows 2003 Server (with Service Pack 1) and Microsoft SQL Server 2000 (with Service Pack 4).

Hummingbird Records Management Support

The Ascent 7.0 Release Script for Hummingbird DM supports the following Hummingbird Records Management systems:

- Hummingbird Records Management Server 5.0, Hummingbird Records Management Server 5.1, or Hummingbird Records Management 5.1.05

Client Operating System Support

The Ascent 7.0 Release Script for Hummingbird DM supports the following client platforms:

- Windows 2000 Professional with Service Pack 4
- Windows 2000 Server with Service Pack 4
- Windows Server 2003 with Service Pack 1 (Standard or Enterprise Edition)
- Windows XP Professional with Service Pack 2

Note At the time of publishing these release notes, the Ascent 7.0 Release Script for Hummingbird DM was certified with the Service Packs listed above.

Administration and Release Workstations – Additional Requirements

The Ascent Capture Administration and Release workstations must have the following components installed:

- Ascent Capture 7.0, 7.5, or Kofax Capture 8
- Hummingbird DM API and DM Extensions API 5.0, 5.1, 5.1.05, or 5.2.1
- Hummingbird Windows Explorer DM Extension 5.0, 5.1, 5.1.05, or 5.2.1

Note We recommend that you install the Hummingbird DM 5.1 Performance Patch Build 168 (for Hummingbird DM 5.1 with Patch 2) or Build 169 (for Hummingbird DM 5.1 with Patch 1) on your client workstations.

Source Code

The source code for the Ascent 7.0 Release Script for Hummingbird DM is provided and it is located on the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 installation CD in the Hummingbird\DM5 folder. The source code can be opened, edited, and compiled in Visual Basic 6.0 with Service Pack 6.

► To modify the release script

- 1 Install the Hummingbird DM release script. Refer to *Installing the Release Script* on page 23 for the installation instructions. When you install the Hummingbird DM release script, you will install the required components referenced in the source code.
- 2 Open, make any desired modifications, and compile the Hummingbird DM source code in Visual Basic.
- 3 Copy the newly created DMRel5_v7.dll to the installation directory (for example, C:\Program Files\Ascent\CAP\DMRel5_v7\DMRel5_v7.dll). When you are prompted to replace the existing file, select “Yes.” You will need to repeat this procedure on each Administration and Release workstation that will be using the Hummingbird DM release script. You may want to make a copy of the file for backup purposes, and store the copy in a safe location.

Note In order to successfully modify and compile the release script, development must occur on a workstation with the appropriate versions of Ascent Capture, CAPTools, and the Hummingbird DM release script previously installed. To use the modified release script, you must replace the Hummingbird release script DMRel5_v7.dll with the modified version on the client workstation. If you receive an access denied error, you will need to close the Administration module.

Refer to the documentation that came with your Hummingbird DM product and Visual Basic documentation for assistance.

Features

This section contains information about features provided with the Ascent 7.0 Release Script for Hummingbird DM.

Ascent Capture Value {Document GUID}

The Ascent Capture Value {Document GUID} is a new value that can be used for index fields and release values. This Ascent Capture value is a type of document ID that is unique across the central site and all remote sites that comprise an Ascent Capture installation. The Document GUID is the concatenation of the Batch GUID and the document ID number. For example, a Batch GUID of {D3C58EE2-5627-443b-BBFA-EE7A5790482A} and a document ID of 123 will yield {D3C58EE2-5627-443b-BBFA-EE7A5790482A} 123 as the Document GUID.

Ascent Values / DM Index Fields

The Ascent 7.0 Release Script for Hummingbird DM provides an easy-to-use interface for linking Ascent Capture Ascent Values to DM index fields. Examples of Ascent Values include Document index fields, Folder index fields, Batch fields, Ascent Capture Values, and Text Constants. The names of “required” DM index fields are marked with an asterisk (*), giving you a visual indicator that certain fields must be linked.

DM Custom Constants

Allowed values for DM index fields defined in a DM profile are available for selection from the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 — Release Setup dialog box. This allows you to easily link DM custom constants to DM index fields.

Excluding DM Index Fields

If desired, you can exclude certain DM index fields from the list of fields to be linked during release setup. You do this by creating the ACFusion.INI file in the Ascent root directory (for example, C:\Program Files\Ascent).

Refer to *Excluding DM Profile Attributes* on page 17 for more information about excluding DM index fields.

Security

Options available with the Hummingbird DM release script allow document access rights and folder access rights to be defined for selected DM groups and users during release setup. One example is that users can be granted access rights that allow the profile of a released document and/or user-defined folder to be edited.

Refer to *Access to Documents and Folders* on page 14 for more information about security options.

Versioning Options

The Ascent 7.0 Release Script for Hummingbird DM supports two methods for versioning documents:

- **Version using Document Number Instead of the Document Name:** This is a feature that allows you to version your documents using the Hummingbird DM document number. The document number is created by Hummingbird DM. This feature is available on the General Settings tab.
- **Version Document:** This method allows you to version your documents using the document name.

Note that if you select the “Version using the document number instead of the Document name” option, the following options will be unavailable on the Document Settings tab:

- Version document
- Create exception document
- Create new document

DM Libraries and Profiles

When setting up the Ascent 7.0 Release Script for Hummingbird DM, you can easily select the DM library and profile to use for releasing images. The Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box honors access privileges defined for your Hummingbird DM users, and makes accessible only those libraries and profiles allowed for the logged in user. The Hummingbird DM release script supports all libraries, including default, remote, and independent libraries.

German DM 5.1 Support

The Ascent 7.0 Release Script for Hummingbird DM supports releasing to German Hummingbird DM version 5.1.

Refer to *Releasing to Localized Versions of Hummingbird DM* on page 17 for more information.

Keywords

For profiles that contain keyword fields, the Hummingbird DM release script allows you to add one or more keywords to a document. You can also control how new keywords are handled. For example, you can create new keywords in the DM repository, or skip keywords not found in the indexed document.

Duplicate Documents

The Ascent 7.0 Release Script for Hummingbird DM offers three options for handling duplicate documents. For example, you can specify that duplicate documents be:

- Created as new major versions to existing documents
- Created as exception documents, and given unique exception document names
- Created as new documents with the same name as the existing documents

Folder Support

The Ascent 7.0 Release Script for Hummingbird DM displays folders from a selected library in a hierarchical tree view that provides an easy-to-use format for choosing the DM folder to select or create at release time. From the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box, you can add, rename, and delete user-defined DM folders that have not yet been created in the DM repository. Simply select an Ascent Value or specify a text constant to find or create the DM folder.

Release to Records Management System

The Ascent 7.0 Release Script for Hummingbird DM copies document images, OCR full text files, PDF documents, eDocuments, and index values from Ascent Capture into your DM repository. Optionally, you can release documents into your Hummingbird Records Management system.

For more information about releasing to Records Management, refer to the Help that is available with the Ascent 7.0 Release Script for Hummingbird DM (Help keyword: *Records Management*).

Integrated Release Setup

The Ascent 7.0 Release Script for Hummingbird DM provides an easy-to-use setup dialog box available from the Ascent Capture Administration module. This dialog box allows you to specify release settings at batch class setup time that control how documents are released into your DM repository.

SecurityBoost Supported

The Ascent 7.0 Release Script for Hummingbird DM supports the Ascent Capture SecurityBoost feature. The SecurityBoost feature allows you to enhance Ascent Capture security for systems using Windows XP and Windows 2000.

Refer to your Ascent Capture Help for more information about the SecurityBoost feature. (Ascent Capture Help keyword: *SecurityBoost > about*)

Online Help Available for Release Setup

Ascent 7.0 Release Script for Hummingbird DM Help is installed with your release script. It is available from the Administration module when you are setting up your release script. You can click the Help button from the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box to display help information about release options.

Image Support

This release script supports the following file formats/compression formats:

- Multipage TIFF with Group 3, Group 3/2D, and Group 4 Compression
- Multipage TIFF with JPEG Compression
- Multipage TIFF – Uncompressed
- JPG with JPEG Compression
- Kofax PDF
- Adobe PDF from JPEG
- Adobe PDF from TIFF

Kofax PDF Support

With the Ascent 7.0 Release Script for Hummingbird DM, you can release Kofax PDF documents into your Hummingbird DM repository. Kofax PDF is bundled with Ascent Capture and does not require additional software implementation. Kofax PDF documents can be saved in the following output types:

- PDF Image Only
- PDF Image + Text

Refer to *Kofax PDF Options* on page 20 for more information about Kofax PDF documents.

Adobe PDF Support

The Ascent 7.0 Release Script for Hummingbird DM supports releasing Adobe PDF documents into your Hummingbird DM repository. The software is provided by Adobe Acrobat Capture and is not included with the Ascent Capture product. To release Adobe PDF documents, you must install the Adobe® Acrobat Capture® 3.0 Clustered or Personal Edition software.

Refer to *Adobe Acrobat Capture Options* on page 20 for more information about Adobe PDF documents.

OCR Full Text Support

With the Ascent 7.0 Release Script for Hummingbird DM, you can release documents processed through the Ascent Capture OCR Full Text module into your DM repository.

Refer to *OCR Full Text Options* on page 19 for more information about OCR full text files.

eDocument Support

With the Ascent 7.0 Release Script for Hummingbird DM, you do not need to limit your batches to image files. eDocuments are supported for release into your DM repository.

Additional Information

This section contains additional information about the Ascent 7.0 Release Script for Hummingbird DM.

Unsupported Ascent Capture Features

Ascent 7.0 Release Script for Hummingbird DM does not support the following Ascent Capture feature.

File Name Retention

This release script does not support file name retention. Therefore, the original imported file name will not be retained and the default numeric name will be used.

If you have enabled the “Use the original file name of image and eDocument files” check box in the Ascent Capture Release Properties dialog box and you release a batch in Hummingbird DM, the release will fail with the following error message. (SPR 30293)

The specified file does not exist.

In addition, if you set the “SupportsOriginalFileName” property to “True” (SupportsOriginalFileName=True) in Hummingbird DM and you release a batch, the release will fail with the same error message.

Refer to your Ascent Capture Help for more information about retention of file names. (Ascent Capture Help keyword: *Release Properties dialog box*)

Tip The Ascent Capture Value “{First Page Original File Name}” allows you to retain the original file name for the first page of a document. This value can be linked to DM attributes that support Ascent Values. Notice that the DM attribute type must be able to accept all the characters that are part of the original file name and must not exceed the defined length or release may fail.

Access to Documents and Folders

If you create documents and folders with no security settings at release setup, the documents and folders will only be available for you to edit. This means that your released documents and user-defined folders are protected and can only be accessed by you. If you want certain DM groups and users to have access to your documents and folders, you must use the Security Settings tab to assign access privileges to your documents and folders.

For more information about the Security Settings tab, refer to the Help available with the Ascent 7.0 Release Script for Hummingbird DM (Help keyword: *Security Settings tab*).

Warning If you create documents with no security settings and place it in a folder with security settings, the documents will automatically inherit the permissions that you set for the folder.

{Index Operator's Station ID} Ascent Capture Values

The Ascent Capture Value {Index Operator's Station ID} has been deprecated, and replaced by {Validation Operator's Station ID}. It is strongly recommended that you use {Validation Operator's Station ID} instead.

Context Menu Removed From the Folder Hierarchy

In the Ascent 7.0 Release Script for Hummingbird DM, the context menu has been removed from the folder hierarchy on the Folder Settings tab. This means that a context menu will no longer be displayed when you right-click on any DM folder in the folder hierarchy to add, delete, or rename a folder. To successfully add, delete, or rename a DM folder, use the Add Folder button, Delete Folder button, or Rename Folder button on the Folder Settings tab.

Note that the right mouse button will now behave like the left mouse button. You can right-click or left-click on a DM folder in the folder hierarchy to select the folder.

Refer to the Help available with the Ascent 7.0 Release Script for Hummingbird DM for more information about adding, deleting, or renaming DM folders in the Folder Settings tab (Help keyword: *Folder Settings tab*).

Hummingbird DM Extensions API Patch

When you install the Hummingbird DM API on a Hummingbird DM server containing the Hummingbird DM Extensions API (Hummingbird DM API 5.0 with Patch 5 or Hummingbird DM API 5.1 with Patch 1), the Hummingbird DM release script will not be able to run side-by-side with the DOCSFusion 5.0 release script or Hummingbird DM 5.1 release script. The patch for the Hummingbird DM Extensions API alters the Hummingbird DM API registry key.

In addition, if you install the patch directly to a release workstation, the Hummingbird DM release script will not be able to run side-by-side with the DOCSFusion 5.0 release script or Hummingbird DM 5.1 release script.

Hummingbird DM Projects

The Ascent 7.0 Release Script for Hummingbird DM does not support projects. In addition, the release script will not upgrade existing projects to folders during the upgrade process. Therefore, we recommend that you use the Hummingbird DM Folder Conversion Utility provided by Hummingbird that converts your projects into folders. The conversion utility will replace all your projects with folders in the Hummingbird DM repository. For more information on the conversion utility, refer to your Hummingbird DM Suite Installation Guide.

Due to a limitation with the Hummingbird DM Folder Conversion Utility, you will not be able to directly view a document in the last converted folder in a hierarchy of converted folders. (Hummingbird case number 375239; Kofax SPR 29388)

Hummingbird DM User Permissions

The Ascent 7.0 Release Script for Hummingbird 5.0-5.1 – Release Setup dialog box honors access permissions defined for your Hummingbird DM users, and makes accessible only those profiles allowed for the logged in user. You can easily set the user profiles from the Permissions tab on the Hummingbird Group Maintenance dialog box. We recommend that you set the following fields to

“Yes” for the user you specified at release setup to create and remove folders on the Hummingbird DM server.

- **Can Create New Documents:** allows the user to create documents
- **Can Create Folders:** allows the user to create folders
- **Can Create/Remove Public Folders:** allows the user to create and remove public folders.

For more information about the Hummingbird DM user permissions, refer to the documentation that came with your Hummingbird DM product.

Application and Document Type Fields

When you are creating a user-defined folder for release, the Application and Document Type folder profile attributes *must* be set to “FOLDER,” which is the default choice. If you attempt to change this value, you will receive an error message at release and the value will be returned to “FOLDER.”

Releasing to Records Management

If you are releasing to Records Management via the Ascent 7.0 Release Script for Hummingbird DM, make certain that you have the following items set in the link control when you want your documents to be released into Records Management as records:

- The Code field is set to a text constant containing the File Part Number (for example, “2002/1(A)”)
- Item Type field for released documents is set to “Document”
- The Type field is set to “Keep”
- The Document Type field is set to “RM”

To release to Records Management, check the “Mark document as a record for Records Management” check box on the General Settings tab, and select a Records Management profile form from the Profile drop-down list on the Document Settings tab. Then, leave the Item Type unlinked.

Note If you specify an Item Type of Record, File, or Box, the following error will occur and release will fail. “An error occurred while releasing the document <document name> to the Records Management system. 9519.”

Search Criteria for Duplicate Folders

If the “Create new folder” option is selected on the Folder Settings tab, a new folder will be created as long as the Ascent 7.0 Release Script for Hummingbird DM does not find a duplicate folder. The release script classifies a duplicate folder as an existing folder with the same name, same profile, same public setting, and exists in the same parent (library or folder).

If a duplicate folder is found that satisfies the above criteria, then that folder is used for releasing documents. The attributes for the duplicate folder are not updated and will not be used at release.

DM Check Box Attributes Requires Numeric Values

The Hummingbird DM release script allows you to establish links between DM index fields and Ascent Values. However, the DM check box data type only accepts numeric string values. You must use “1” for a checked value and any other numeric string value for an unchecked value (for example, “0” or “2”).

Note The numeric values must be in quotation marks.

Releasing to Localized Versions of Hummingbird DM

When you are releasing to German Hummingbird DM version 5.1, the Ascent 7.0 Release Script for Hummingbird DM requires an INI file containing localized table names. You must create the INI file in the Ascent Capture root directory (for example, C:\Program Files\Ascent) and name it “DMTables.INI.” The INI file must contain a section named “[Table Names]” followed by the localized table names. The following information must be entered into the “DMTable.INI” file:

```
[Table Names]
DOC_FORMS=DEU_FORMS
DOC_PEOPLE=DEU_PEOPLE
DOC_GROUPS_ENABLED=_DEU_GROUPS_ENABLED
DOC_KEYWORD=KEYWORD
```

Where:

[Table Names] is the section name and each subsequent line refers to a localized table in Hummingbird DM. The INI file name, section name, and table names are **not** case sensitive.

If you do not create the DMTables.INI file and attempt to login to the German Hummingbird DM release script, login will fail with an error message similar to the following:

```
The retrieval query did not return results.
```

Warning The third table name (DOC_GROUPS_ENABLED) requires an underscore prior to the localized prefix. The fourth table name (DOC_KEYWORD) may not require a localized prefix.

Notice that if you attempt to use the INI file on an English system, you will receive an error. This happens because the table names expected by the Hummingbird DM release script do not match the actual names on the Hummingbird DM server. You will receive the following error message on the English system:

```
Runtime error. <DM Server Name>: <DM Server Name> Your search was unsuccessful.
```

Excluding DM Profile Attributes

The DM index fields defined for a profile will display in the DM Profile Attributes area on the Document Settings tab and Folder Settings tab. If desired, you can prevent one or more of the DM index fields from displaying in the list.

To do so, you must create a file named ACFusion.INI and store this file on the Ascent Capture server’s installation folder (for example, C:\Program Files\AscentSS\AscentSV).

► To create the ACFusion.INI file

- 1 From Windows Explorer, select Program Files | Ascent.

- 2 On the File menu, click New and then Text Document.
- 3 Rename the file to ACFusion.INI.
- 4 Right-click the ACFusion.INI file in the Ascent folder, and select “Open with” from the context menu. Use any text editor to edit this file.
- 5 Insert a section heading titled [Profile Display Names]. This section heading lists the column names to exclude from display. Columns are derived from the SQL column attributes.
- 6 Add the desired column names. The DM profile fields for the column names that you list will not display in the DM Profile Attributes area on the Document Settings tab and/or Folder Settings tab.
- 7 When you are finished, save the file.

Warning When you first log on to release setup, you will receive a warning message. The warning message is “Cannot find the DM attribute <attribute> in the profile form <profile>. The link will be removed.” Simply click OK to acknowledge the removal of the DM index field. Notice that you will receive warning messages for each DM index field that you excluded.

Note If any *required* DM index fields are listed in the ACFusion.INI file, a warning message will display at release setup time, and the required fields will display in the DM Profile Attributes area. Consequently, you cannot hide required fields. As a result, Ascent Values can be linked to all required DM index fields.

Each line listed under [Profile Display Names] specifies one column name to exclude, as follows:

Sequence number=Column name

Where:

- *Sequence number* is a unique incrementing number that identifies the line in the [Profile Display Names] section.
- *Column name* is the name of the DM profile attribute as it is known in the DM repository.

A sample of an ACFusion.INI file is shown below. Note that each line under the section heading must conform to the required format.

```
[Profile Display Names]
1=CREATION_DATE
2=CREATION_TIME
3=PROCESS_DATE
```

Note The list of excluded index fields is checked at release setup; it is not checked at release. All linked index fields will be released. Changes to the list of excluded index fields after a batch class is published will have no impact on existing batches.

Sharing Data Among Release Scripts

The Ascent Capture Release Script Information Interchange feature is useful when more than one release script has been configured for a particular batch class and document class combination.

The sharing of information is accomplished by allowing the release script to pass information to other release scripts. The Ascent Capture Value {Repository Document ID} is used to store and retrieve the RepositoryDocumentID that will be used by the first invoked release script. Therefore, the first release script that runs can set this value, and subsequent release scripts can read the same value.

Notice that when you are passing the RepositoryDocumentID information to a different release script, the release script must exist within the same document class using multiple release. In addition, the release script that is passing the RepositoryDocumentID information must be placed first in the list on the Release Scripts dialog box. For example:

```
Ascent 7.0 Hummingbird DM 5.0-5.1
Ascent Capture Text
```

Only the first release script can set the RepositoryDocumentID value. Subsequent release scripts can only read this value.

Refer to your Ascent Capture Help for more information about configuring the RepositoryDocumentID. You can display Ascent Capture Help from the Help menu available from any Ascent Capture module. Alternatively, you can click Start | Programs | Ascent Capture | Ascent Capture Help

OCR Full Text Options

To release OCR full text files, you must enable Ascent Capture OCR full text processing in your applicable document class and add the OCR Full Text module to your applicable batch class.

For details about how OCR full text files and non-image files are released to the DM repository, refer to the Help available with the Ascent 7.0 Release Script for Hummingbird DM (Help keyword: *File format combinations*).

Note OCR full text files are displayed in the Attachments tab with a three-character label matching the extension of the OCR document. For more information about attachment labels, refer to the documentation that came with your Hummingbird product.

► To enable OCR full text processing for a document class

- 1 From the Create Document Class dialog box or Document Class Properties dialog box, select the OCR tab.
- 2 Check the Enable OCR full text check box to enable OCR full text processing for the document class.
- 3 Click Apply to save your settings without closing the dialog box. Click OK to save your settings and close the dialog box.

► To add the OCR Full Text module to a batch class

- 1 From the Create Batch Class dialog box or Batch Class Properties dialog box, select the Queues tab.
- 2 Select OCR Full Text from the list of Available Queues, and click Add.

- 3 Click **Apply** to save your settings without closing the dialog box. Click **OK** to save your settings and close the dialog box.

For more information about OCR full text processing, refer to the *Getting Started with Ascent Capture* guide.

Kofax PDF Options

To release Kofax PDF documents, you must enable Ascent Capture Kofax PDF generation in your applicable document class and add the Kofax PDF Generator module to your applicable batch class.

For details about how Kofax PDF documents and non-image files are released to the DM repository, refer to the Help available with the Ascent 7.0 Release Script for Hummingbird DM (Help keyword: *File format combinations*).

► To add the Kofax PDF Generator module to a batch class

- 1 From the Create Batch Class dialog box or Batch Class Properties dialog box, select the Queues tab.
- 2 Select PDF Generator from the list of Available Queues, and click **Add**.
- 3 Click **Apply** to save your settings without closing the dialog box. Click **OK** to save your settings and close the dialog box.

► To enable Kofax PDF generation for a document class

- 1 From the Create Document Class dialog box or Document Class Properties dialog box, select the PDF tab.
- 2 Check the Enable Kofax PDF generation check box to enable Kofax PDF processing for the document class.
- 3 Click **Apply** to save your settings without closing the dialog box. Click **OK** to save your settings and close the dialog box.

For more information about the Kofax PDF Generator module, refer to the *Getting Started with Ascent Capture* guide.

Adobe Acrobat Capture Options

The Ascent 7.0 Release Script for Hummingbird DM supports Adobe Acrobat Capture. This section contains information related to using Adobe Acrobat Capture for your Adobe PDF documents.

For additional details about creating Adobe PDF documents, refer to your Adobe Acrobat Capture documentation.

For details about how Adobe Acrobat Capture PDF documents and non-image files are released to the DM repository, refer to the Help available with the Ascent 7.0 Release Script for Hummingbird DM (Help keyword: *File format combinations*).

Operating System Requirements for Ascent Capture

To release Adobe PDF documents, your Ascent Capture Administration and Release workstations must be running on Windows XP or Windows 2000 computers. Windows 95, Windows 98, Windows Me, and Windows NT are not supported operating systems for Ascent Capture.

Adobe Acrobat Capture and the Ascent Capture Release Workstation Installations

During the conversion process, communication must occur between Adobe Acrobat Capture and the Ascent Capture Release module. However, due to timing conflicts, Adobe Acrobat Capture and Ascent Capture cannot be run at the same time on a workstation. Therefore, Adobe Acrobat Capture and Ascent Capture must be installed on separate workstations on the same LAN.

Releasing Adobe PDF Documents

To release in Adobe PDF format, you must install the appropriate Adobe Acrobat Capture software. In addition, the release working directory must be available to the Ascent Capture workstation where you are setting up the release script and the Adobe Acrobat Capture workstation. One way to do this is to specify a UNC path for the Release directory. This can also be done with a mapped drive, the drive letter and path must be the same on all workstations. If you specify a local Release working directory, please note the following:

- A folder with that name will be created on the Ascent Capture workstation, but it will not be used.
- The same path must already exist on the Adobe Acrobat Capture workstation.
- Adobe PDF images will be placed in the folder on the Adobe Acrobat Capture workstation.

Workflow Steps

Adobe Acrobat Capture lets you create your own workflow or use one of the predefined workflows. Note the following:

For complete image conversion for Formatted Text & Graphics or Searchable Image page content, a basic Adobe Acrobat Capture workflow needs to contain at least four steps, in the following order:

- 1 Capture Image
- 2 Bind Pages
- 3 Export to PDF
- 4 Store File (PDF)

For complete image conversion for Image Only page content, the Adobe Acrobat Capture workflow needs to be called “PDF Image Only” and contain at least three steps, in the following order:

- 1 Convert Image to PDF
- 2 Combine PDFs
- 3 Store File (PDF)

Note When creating workflows, do not include manual steps such as Quick Fix Page, Review Document, and Zone Images. If you do, Adobe Acrobat Capture will stop running when it encounters any of these steps and require manual processing by the user. This kind of workflow is not suitable for Ascent Capture Release because it disrupts the automated process of releasing Adobe PDF documents.

Multipage TIFFs

If you are releasing multipage TIFFs, you must use the Split Multipage TIF step in your Adobe Acrobat Capture workflow.

Releasing from Multiple Ascent Capture Standalone Workstations

If you use multiple Ascent Capture standalone workstations and one Adobe Acrobat Capture hub, you must create unique Adobe Acrobat Capture “workflows” and “watched folders” for each Ascent Capture standalone workstation. This is because Adobe Acrobat Capture uses Ascent Capture document IDs for its document naming scheme. Since standalone Ascent Capture document IDs may not be unique, the document names could conflict in Adobe Acrobat Capture and cause the release process to fail.

Re-releasing Documents in Error

If an Adobe Acrobat Capture error occurs during the release process, you must clear your Adobe Acrobat Capture finished documents and cancel any hung documents before re-releasing the same documents in Ascent Capture.

Invalid Watched Folders

If you attempt to release documents to an invalid Adobe Acrobat Capture watched folder, the documents will be rejected. To cancel the release, click Cancel on the Ascent Capture PDF Release dialog box displayed at the Release workstation. The Cancel button will automatically cancel the Adobe Acrobat Capture documents.

Installing the Release Script

You can install the Ascent 7.0 Release Script for Hummingbird DM on an Ascent Capture client workstation or standalone workstation.

Important Note About Installation

To install the Ascent 7.0 Release Script for Hummingbird DM you must have Windows administrator privileges. If you do not have administrator privileges and install this release script, you may receive error messages and several of the files may not install correctly.

Before you install the Ascent 7.0 Release Script for Hummingbird DM, refer to *System Requirements* on page 7 for information about installation requirements.

Installation Instructions

Use the following instructions to install the Ascent 7.0 Release Script for Hummingbird DM.

► To install the release script

- 1 Insert your Ascent 7.0 Release Scripts for Hummingbird DM 5.0-5.1 installation CD into your CD drive.
- 2 From your Windows task bar, select Start | Run, browse to the Hummingbird\DM5 folder on the CD, and run Setup.exe. The installation program will start.
- 3 Follow the instructions on your screen to install the release script.
- 4 When the installation is complete, a message will display that indicates the release script was successfully installed.

Note Installing the release script automatically registers it with Ascent Capture.

- 5 Repeat this procedure on all Administration and Release workstations that will use the Hummingbird DM release script.

Upgrading the Release Script

If you are currently using version 6.0 of the Hummingbird release script, you can upgrade to Ascent 7.0 Release Script for Hummingbird DM, if desired. All release setup settings will be retained with the exception of project settings. In addition, the release script name and version number will change to "Hummingbird DM 5.0-5.1."

Important Note About Upgrade

To upgrade to the Ascent 7.0 Release Script for Hummingbird DM you must have Windows administrator privileges. If you do not have administrator privileges and upgrade this release script, you may receive error messages and several of the files may not upgrade correctly.

Before you upgrade to the Ascent 7.0 Release Script for Hummingbird DM, refer to *System Requirements* on page 7 for information about installation requirements.

Note The Ascent 7.0 Release Script for Hummingbird DM will not upgrade your projects to folders during the upgrade process. We recommend that you use the Hummingbird DM Folder Conversion Utility provided by Hummingbird that converts your projects into folders. For more information on the Hummingbird DM Folder Conversion Utility, refer to your Hummingbird DM Suite Installation Guide.

Upgrade Instructions

Use the following instructions to upgrade to the Ascent 7.0 Release Script for Hummingbird DM.

► **To upgrade the release script**

- 1 Release any existing batches associated with the release script. Refer to *Releasing Batches* on page 36 for more information.
- 2 From the Definitions panel in the Administration module, select the Batch class tab and right-click the applicable document class associated with the release script. (Expand the batch class item to select associated document classes.) A context menu will display.
- 3 From the context menu, select “Release Scripts.” The Release Scripts dialog box will display.
- 4 From the Release Scripts dialog box, ensure that the previous version of the release script is selected from the list of Assigned Release Scripts (on the right-hand side of the screen). Then, select the new “Hummingbird DM 5.0-5.1” release script from the list of Available Release Scripts (on the left-hand side of the screen).
- 5 Click Upgrade. When you are prompted to confirm that you want to upgrade, click Yes.

Once you have upgraded, you should log on to the Hummingbird DM release script and verify that all of the settings are correct. In particular, note the following:

- Make sure that all of the desired DM index fields are displayed in the DM Attributes table on the Document Settings tab and Folder Settings tab. If some are not displayed, check the profile form in DM Designer to make sure that the fields are present and are not marked as read-only. Refer to your Hummingbird documentation for more information about DM Designer.
- Notice that profiles other than the default profile can now be selected from the Document Settings tab and Folder Settings tab.
- You must select the Release working directory on the General Settings tab.

Before you can use the upgraded release script, you must republish the associated batch class. Refer to *Publishing a Batch Class* on page 35 for instructions.

Note It is recommended that you run some sample batches through the system to test the operation of the release script.

Application Maintenance

This section describes how to repair and remove the Ascent 7.0 Release Script for Hummingbird DM.

Users with full administrative privileges can:

- Install the release script
- Remove the release script (from Add or Remove Programs or Application Maintenance)
- Repair the release script (from Application Maintenance)

Users with Power User privileges can repair the release script from Application Maintenance.

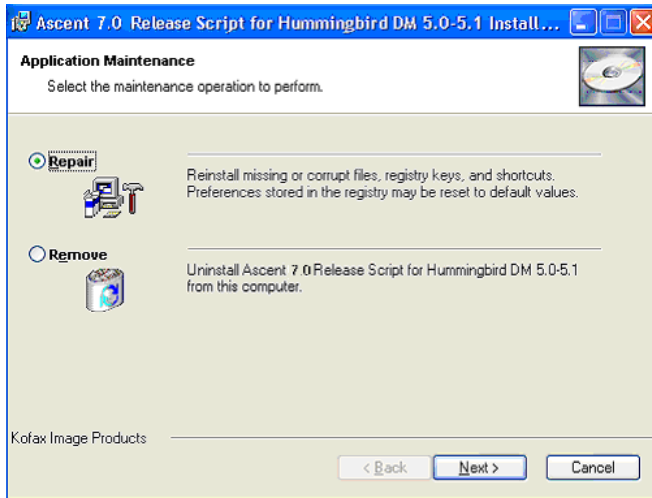


Figure 1. Application Maintenance Dialog Box

Repairing the Release Script

The Repair option replaces missing, renamed, or deleted files.

► To repair the release script

- 1 Insert your Ascent 7.0 Release Scripts for Hummingbird DM 5.0-5.1 installation CD into your CD drive.
- 2 From your Windows task bar, select Start | Run, browse to the Hummingbird\DM5 folder on the CD, and run Setup.exe.
- 3 Setup will detect an existing installation and the Application Maintenance dialog box will display, as shown in Figure 1.
- 4 From the Application Maintenance dialog box, ensure that the “Repair” option is selected and click Next.
- 5 Follow the instructions on the screen to repair the release script.
- 6 When the repair is complete, a message will display that indicates the release script was successfully installed.

Removing the Release Script

The Remove option will delete the release script.

► To remove the release script

- 1 Insert your Ascent 7.0 Release Scripts for Hummingbird DM 5.0-5.1 installation CD into your CD drive.
- 2 From your Windows task bar, select Start | Run, browse to the Hummingbird\DM5 folder on the CD, and run Setup.exe.
- 3 Setup will detect an existing installation and the Application Maintenance dialog box will display, as shown in Refer to Figure 1 on page 25.
- 4 From the Application Maintenance dialog box, select “Remove” and then click Next.
- 5 Follow the instructions on the screen to delete the release script.
- 6 When the uninstallation is complete, a message will display that indicates the release script was successfully uninstalled.

Alternatively, you can use the Add or Remove Programs utility from the Windows Control Panel to uninstall the Hummingbird DM release script.

Refer to your Microsoft documentation for more information about the Add or Remove Programs utility.

Refer to *Problems When Uninstalling the Release Script* on page 37 for information about a known problem.

Note After uninstalling, the Ascent 7.0 Release Script for Hummingbird DM will continue to display in the Release Script Manager, although it will not be functional. To remove the release script from the list, you must go into every batch class and associated document class, select the applicable release script from the Assigned Release Scripts list and click Remove. You must do this for every instance of the Ascent 7.0 Release Script for Hummingbird DM. After all references to the release script are removed, you will be able to delete the Ascent 7.0 Release Script for Hummingbird DM from the Release Script Manager.

Logging on to the Release Script

Once you have associated a document class with a batch class in Ascent Capture, you may specify the release script to use when releasing your images, OCR full text files, PDF documents, eDocuments, and index data.

► To log on to the release script

- 1 Start the Ascent Capture Administration module. The module's main screen will display.
- 2 Select the Batch class tab from the Definitions panel, and right-click the applicable document class. (Expand the batch class item to select associated document classes.) A context menu will display.
- 3 From the context menu, select "Release Scripts." The Release Scripts dialog box will display.

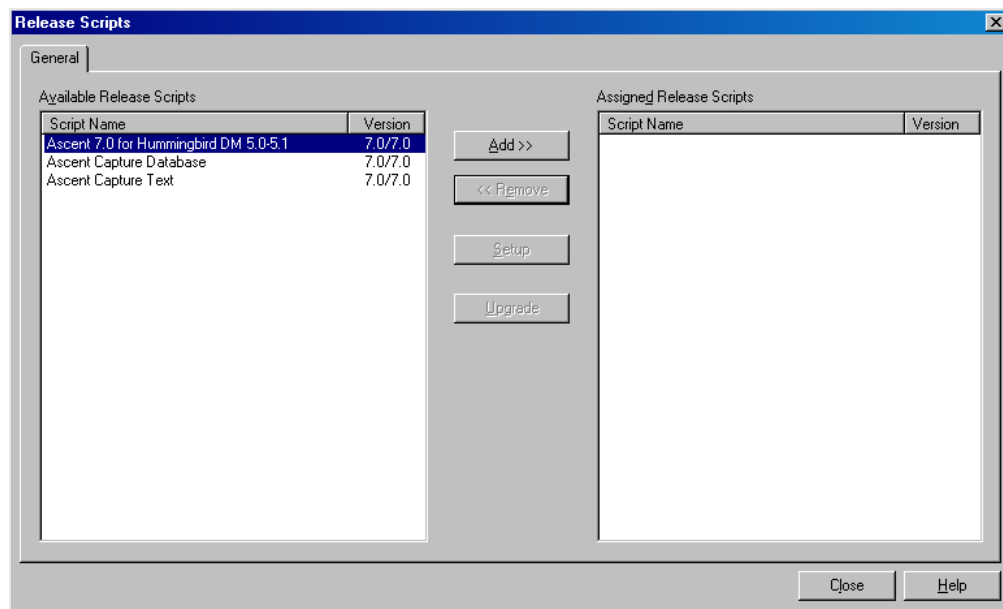


Figure 2. Release Scripts Dialog Box

- 4 The Release Scripts dialog box lists all available release scripts. Available release scripts are those that are registered with Ascent Capture. From the Release Scripts dialog box, select the "Ascent 7.0 for Hummingbird DM 5.0-5.1" release script and click Add. The DM Login Information dialog box will display, as shown in Refer to Figure 3 on page 28.
- 5 Enter your DM library name, user name, and password. This information will be used to log on to DM.

Note The Hummingbird DM release script does not accept empty or NULL passwords. If you attempt to log on to DM without a password you will receive an error. (SPR 00011363)

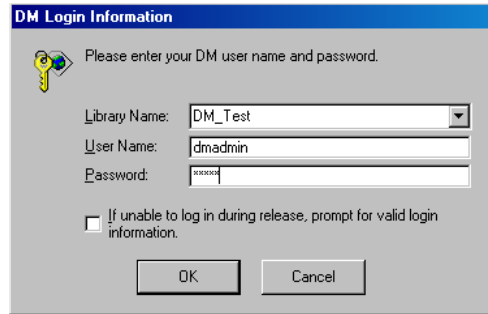


Figure 3. DM Login Information Dialog Box

The Library Name combo box lists the default primary library and all available remote and independent libraries. If this is the first time you are logging on to the Hummingbird DM release script, then this setting defaults to the primary library. Notice that the library name you choose will display in the title bar of the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box, as shown in Refer to Figure 4 on page 29.

Note The login information will be saved and used during release.

- 6 To prompt for a user ID and password if the release script is not able to log in to DM at release time, select the “If unable to log in during release, prompt for valid login information” check box.
 - If selected and there is a problem logging on to DM during release, the DM Login Information dialog box will display and the library name will be disabled. The user may then enter valid login data and click OK. However, if the user clicks Cancel, the release will fail and the batch will be routed to the Ascent Capture Quality Control module.
 - If not selected and problems occur when logging on to the Hummingbird DM release script, the DM Login Information dialog box will not display during release. Release will fail and the batch will be routed to the Ascent Capture Quality Control module.

Note Do not select this feature if you plan to run the Ascent Capture Release module as a service or if you plan to run the Release module during off-hours. The DM Login Information dialog box requires a user response, which interferes with the automated nature of running the Release module as a service or without operator attention.

- 7 Click OK. The Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box will display, as shown in Refer to Figure 4 on page 29.

Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 - Release Setup [Library: DM_Test]

Batch Class: Order Forms
 Document Class: Catalog Orders
 Release Script Name: _____

Document Settings | Folder Settings | Security Settings | Image Format | General Settings

Profile: DEF_PROF

Name	Value
Document Name*	{Batch Name}
Author	"dmadmin"
Document Type*	"DEFAULT"
Type	
Description	
Entered By*	"dmadmin"
Application*	"DOCSIMAGE"
Mail ID	

Asterisk (*) denotes the attribute is required.

If Document Exists:
 Version document
 Create exception document
 Create new document

Keywords:
 Add new keywords to library
 Ignore keywords not in library

Retention: 10 days

OK Cancel Apply Help

Figure 4. Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 — Release Setup Dialog Box

- 8 Refer to the next section, *Setting Up the Release Script*, for information about the set up options.

Setting Up the Release Script

The following sections describe the setup options available with the Ascent 7.0 Release Script for Hummingbird DM.

Note For more details about the setup options, refer to the Help available from the Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 – Release Setup dialog box.

Document Settings Tab

This tab allows you to select from a list of available DM profile attributes, and link Ascent Values to DM index fields.

The screenshot shows the 'Document Settings Tab' of the 'Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 - Release Setup' dialog box. The window title is 'Ascent 7.0 Release Script for Hummingbird DM 5.0-5.1 - Release Setup [Library: DM_Test]'. The 'Batch Class' is 'Order Forms' and the 'Document Class' is 'Catalog Orders'. The 'Release Script Name' field is empty. The 'Document Settings' tab is selected, with other tabs being 'Folder Settings', 'Security Settings', 'Image Format', and 'General Settings'. The 'Profile' dropdown is set to 'DEF_PROF'. Below this is a table for 'DM Profile Attributes' with columns 'Name' and 'Value'. The table contains the following entries:

Name	Value
Document Name*	{Batch Name}
Author	"dadmin"
Document Type*	"DEFAULT"
Type	
Description	
Entered By*	"dadmin"
Application*	"DOCSIMAGE"
Mail ID	

Asterisk (*) denotes the attribute is required. Below the table are three sections: 'If Document Exists' with radio buttons for 'Version document' (selected), 'Create exception document', and 'Create new document'; 'Keywords' with a text field and radio buttons for 'Add new keywords to library' (selected) and 'Ignore keywords not in library'; and 'Retention' with a text field containing '10' and the label 'days'. At the bottom are 'OK', 'Cancel', 'Apply', and 'Help' buttons.

Figure 5. Document Settings Tab

Folder Settings Tab

This tab allows you to specify or create a DM folder location for your released documents. At release, the released documents will be linked to the selected folder.

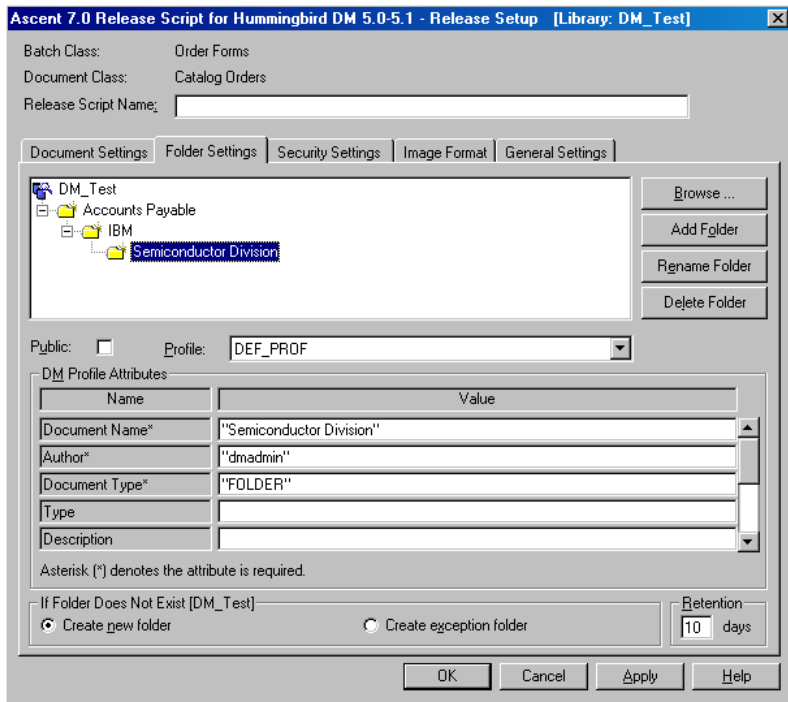


Figure 6. Folder Settings Tab

Security Settings Tab

The options on this tab allow you to specify which DM groups and users will have access to the released documents and/or user-defined folders. In addition, you can specify the profile access rights for the selected DM groups and users.

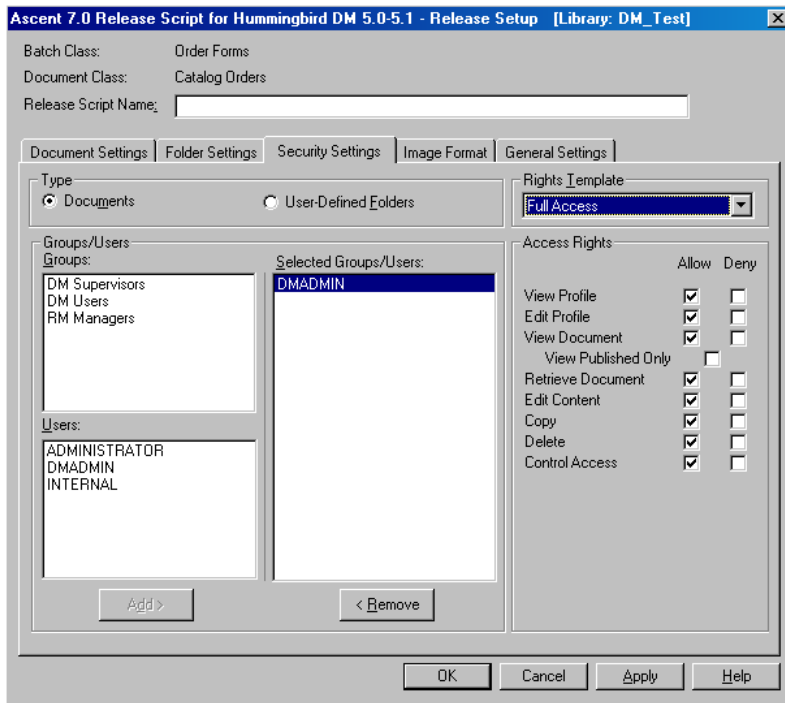


Figure 7. Security Settings Tab

Image Format Tab

This tab allows you to specify the desired image formats for releasing your images. You can specify a primary format and a secondary format. If Adobe PDF is selected as an image format, the PDF Settings on this tab will become available for selection.

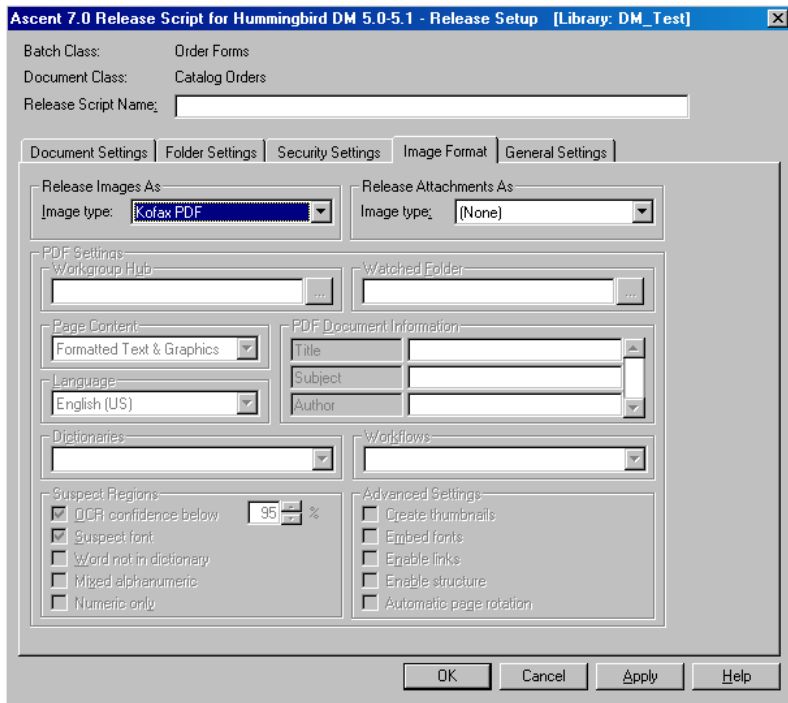


Figure 8. Image Format Tab

General Settings Tab

This tab allows you to specify a temporary storage location to be used at release time, and specify whether to skip the first page of each document at release. You may want to skip the first page if you are using standalone separator sheets to separate your documents, and you do not want to release scanned images of the separator sheets. In addition, you can specify whether the released document will be released directly to the DM Records Management system, publish new documents to the library, enable content searching, and version a document using the document number.

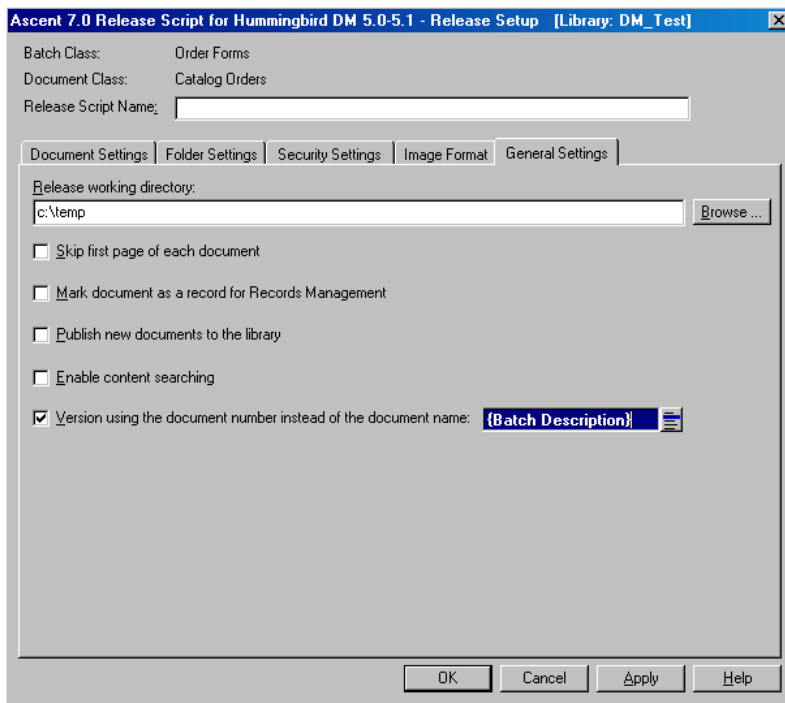


Figure 9. General Settings Tab

Publishing a Batch Class

After you select all your batch class settings, you must publish your batch class before you can use it. The publishing process checks the integrity of the settings in your batch class, and makes the batch class available for use. If problems are found with any of the settings, error and warning messages will display along with recommended actions for fixing the problems.

If you ever decide to edit your batch class, you must publish your batch class again before your changes can be used. Your changes will not be applied to batches created before the new publication date.

► To publish a batch class

- 1 Start the Ascent Capture Administration module. The module's main screen will display.
- 2 Select the Batch class tab from the Definitions panel, and right-click the applicable batch class. A context menu will display.
- 3 From the context menu, select "Publish." The Publish dialog box will display.
- 4 From the Publish dialog box, select your batch class and click Publish. Ascent Capture will check all your batch class settings and display the results in the Results box.
 - a If no problems are detected, the message "Publishing successful" will display.
 - b If problems are detected, warning/error messages will display along with the recommended actions to resolve the problems. Perform the recommended actions, and then try to publish the batch class again.
- 5 Run some sample batches through the system to test the operation of the release script.

After successfully publishing, you can create batches based on your batch class. As your batches flow through your Ascent Capture system, they will be routed from module to module. The modules that are used to process a batch, and the order that processing occurs, are specified as part of the batch class definition for the batch.

Refer to the Ascent Capture Help for more information about batch classes (Ascent Capture Help keyword: *Batch classes > about*).

Releasing Batches

With the Ascent 7.0 Release Script for Hummingbird DM, the Ascent Capture Release module will process batches based on the settings of the associated batch classes. The Release module is responsible for releasing documents, as well as index data using the attributes defined during release setup.

The Ascent Capture Release module usually runs as an unattended module on a Windows workstation, periodically polling the Release module for available batches. The Release module may be configured to run during off-hours to avoid any impact to the throughput of Ascent Capture and/or the network system. To start the Release module, select Start | Programs | Ascent Capture | Release. All batches queued for release will be released after initiation of the Release module.

Note Refer to your Ascent Capture Help for more information about configuring the Release module (Ascent Capture Help keyword: *Release module > about*). You can display Ascent Capture Help from the Help menu available from any Ascent Capture module. Alternatively, you can click Start | Programs | Ascent Capture | Ascent Capture Help.

► To release a batch

- 1 Start the Ascent Capture Release module. The module's main screen will display. Any batches waiting to be released will be processed.
- 2 Once your batch is released, it will be removed from Ascent Capture. If any documents or pages are rejected, the batch will be routed to the Ascent Capture Quality Control module.
- 3 When you want to exit the Release module, select Batch | Exit from the Release module's menu bar.

Known Problems

This section contains information about known problems with the Ascent 7.0 Release Script for Hummingbird DM.

Problems When Installing on Windows XP

If you are installing the Ascent 7.0 Release Script for Hummingbird DM on a Windows XP Professional workstation and you specify a mapped drive, you will receive the following error message. (SPR 31250)

Error 1904. Module <mapped drive> failed to register. HRESULT -2147467259. Contact your support personnel.

Workaround: The error message is incorrect and can simply be ignored. Click the Ignore button and the release script will successfully install and register the release script.

If you click the Abort button, the installation will end. If you click the Retry button, you will receive the above error message again.

Problems When Uninstalling the Release Script

If you click the Cancel button while you are uninstalling the release script, all the release script original files will remain properly installed on the system. However, depending on the point during the uninstallation that the Cancel button is clicked, the release script may be un-registered. In such a case, once you attempt to log on to the release script, login will fail. (SPR 31221)

Workaround: If this problem occurs, run Repair. Refer to *Repairing the Release Script* on page 25 for more information. Alternatively, you can re-register the release script in the Release Script Manager.

Uninstalling the DMRel Folder

Uninstall does *not* remove the DMRel folder when using Add or Remove Programs utility. If you want to completely uninstall the DMRel folder from your workstation, you must manually delete the folder. (SPR 28017)

Blank Passwords are Not Supported

The Hummingbird DM release script does not support using a blank or NULL password when logging on to the release script. You will receive the following error message when you attempt to log on to the release script. (SPR 00011363)

The release script could not log you on. Please make sure that your library name, user name, and password are correct. In addition, make sure that the Caps Lock is not accidentally turned on.

Document Released to Last Converted Folder is Not Viewable

Due to a limitation with the Hummingbird DM Folder Conversion Utility in version 5.0, you will not be able to directly view a document in the last converted folder in a hierarchy of converted folders. In other words, if you use the Conversion Utility to convert nested projects into folders, you will not be able to view the document in the last converted folder. When you try to open the converted folder, you will receive the following error message. (Hummingbird case number 375239; Kofax SPR 29388)

80040341

Workaround: Use the Hummingbird Windows Explorer DM Extension 5.0 to locate the document. From this application, highlight the document and then click the “Where Used” tab. This tab will display the folder that is linked to the document.

Note This problem has been fixed with Hummingbird DM 5.1.

Deleting the Last Remaining Folder from the Hummingbird DM Server

The release script does not allow you to delete the last remaining folder in the folder hierarchy from the Folder Settings tab. Therefore, if you delete this folder from the Hummingbird DM server, you will receive a warning message when you return to release setup. Although this folder has been deleted from the Hummingbird DM server, the folder name will still appear in the folder hierarchy in release setup. In addition, the Browse button will be disabled since there are no existing folders on the Hummingbird DM server. (SPR 30356)

Workaround: Replace or recreate the deleted folder on the Hummingbird DM server. Another option is to recreate the release script settings.

Duplicate “Billable” Attributes in the LAWPROF Profile

If you have generated new libraries based on the Hummingbird “Legal” template, you will automatically have a “LAWPROF” profile that may be specified in the Document Settings tab and Folder Settings tab. This profile has a duplicate “Billable” attribute, which is a hidden object and is not displayed in the normal design view. This minor problem has been reported to Hummingbird and will likely be resolved in a future Hummingbird DM Patch. (SPR 00011020)

If this presents a problem, your DM system administrator can use the DM Designer application to resolve the problem. To view the hidden profile attributes, click “Show Hidden Objects” from the Edit menu. Then, remove the duplicate “Billable” attribute and save the profile. Notice that it may be necessary to refresh the Hummingbird DM server and DM client before the update displays in the Hummingbird DM release script.

eDocument Name Not Preserved at Release

Ascent Capture releases eDocuments as attachments. This means that the original file name of the eDocument is renamed and displayed in Hummingbird DM as a 3-digit hexadecimal number. Note that the original eDocument file extension is retained and used in the final name.

Images, PDF Documents, and eDocuments Display in Versions Tab

Primary images, secondary images, PDF documents, and eDocuments submitted to Hummingbird DM will display in the Versions tab when viewed via Windows Explorer DM Extension. The images, PDF documents, and eDocuments receive a unique hexadecimal number as a version label, as shown in Figure 10. This is a visual limitation of the Hummingbird DM API since the attachment name begins with numeric characters rather than alphabetical characters. (Hummingbird case number 348736; Kofax SPR 26091)

Workaround: You can use Windows Explorer DM Extension to view the images, PDF documents, and eDocuments, as they will display as attachments. The Comments area displays the original file name and the version to which the image, PDF document, or eDocument is linked.

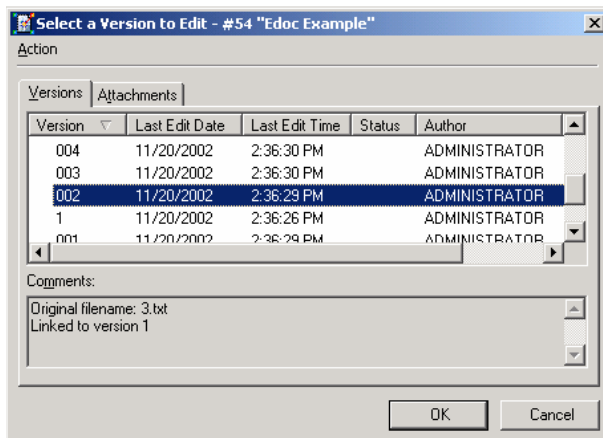


Figure 10. Select a Version to Edit Dialog Box

Duplicate Folders With Public Settings

At release setup, you can enable the “Public” check box for a user-defined folder, which is available from the Folder Settings tab. When this option is enabled, it allows all users to view, edit, create, or delete a user-defined DM folder.

Public Setting Creates Duplicate Folders

Duplicate folders may be created with the Public check box enabled in release setup. This can be resolved via a configuration change on the Hummingbird DM server. (SPR 30869)

Workaround: Do the following:

- 1 Open Library Maintenance on the Hummingbird DM server.
- 2 Click the Groups icon and double-click the group for the user account used in release setup.
- 3 Select the Permissions tab and set the following permissions:
Can Create New Documents = Yes
Can Create Folders = Yes
Can Create/Remove Public Folders = Yes
- 4 Close Library Maintenance.
- 5 Refresh the cache on the Hummingbird DM server.
- 6 If Windows Explorer DM Extension is running on the client, be sure to close the application before releasing the next batch.

Changing Public Setting on Hummingbird DM Server

If you change the public setting to non-public or vice versa on the Hummingbird DM server, this setting will not change on the Folder Settings tab. At release, the user-defined folder will retain the settings from the Folder Settings tab *and* the Hummingbird DM server. Although no error messages are given, the release will create two folders (a public folder and a non-public folder) using identical batch names. (SPRs 29329 and 29330)

Workaround: To ensure that duplicate folders are not created at release, we recommend that you only change the public setting on the Folder Settings tab.

Non-public Folder Created When the Public Check Box Selected

Note This problem applies to Hummingbird DM 5.0.

If you have *not* been granted access rights on the Hummingbird DM server to create a public folder, the release script will automatically create a non-public folder at release. This problem is more evident when the following permissions are set on the Hummingbird DM server. (SPR 30357)

- Can Create New Documents = Yes
- Can Create Folders = Yes
- Can Create/Remove Public Folder = No

Workaround: If this problem occurs, adjust the user permissions on the Hummingbird DM server by setting the Can Create/Remove Public Folder field to “Yes” for the user you specified at release setup to create and remove folders on the Hummingbird DM server.

Public Folder Created Without Permissions

Note This problem applies to Hummingbird DM 5.1.

If you have *not* been granted access rights on the Hummingbird DM server to create a public folder, the release script will still create a public folder at release. (SPR 30876)

Workaround: None. Do not select the Public check box at release setup if the user belongs to a group that does not have permissions to create public folders.

“Error 75 – Path/File Access” Error

An “Error 75 – Path/File access” error will occur if you try to release hidden files. (SPR 28969)

Workaround: Remove the hidden files from the batch.

Select a Version to Publish Dialog Box Displays During Release

If you have enabled the “Publish new documents to the library” check box on the General Settings tab and release, the “Select a Version to Publish” dialog box will display as shown in Figure 13. This dialog box will display each time a document is to be published, and you will need to click the OK button each time this dialog box is displayed. Therefore, if you are releasing ten documents, this dialog box will display ten times. (Hummingbird case number 377909; Kofax SPRs 29874 and 30665)

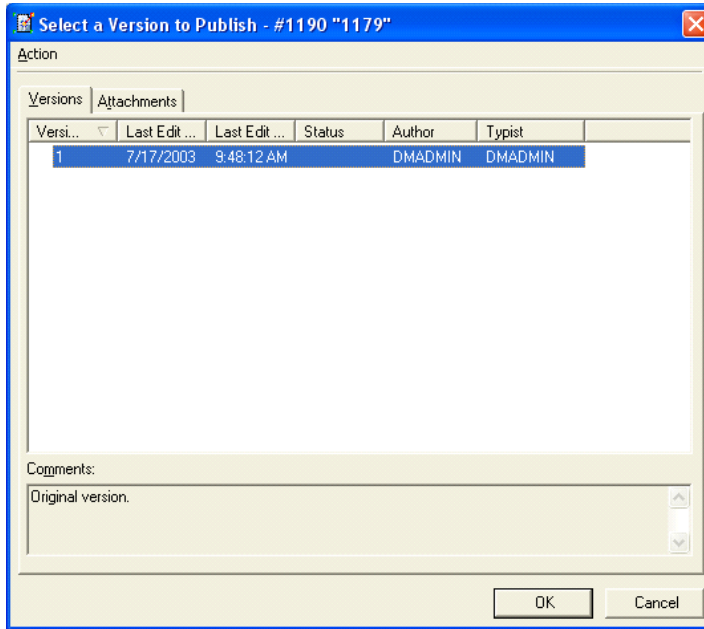


Figure 11. Select a Version To Publish Dialog Box

Workaround: If this occurs, your DM system administrator can adjust the Group Versions settings on the Hummingbird DM server by setting the “Always Display Version Selection List” drop-down list box to “No.”

Adobe Acrobat Capture Error

If you are running the Release module as a service and have specified a mapped drive for your Adobe configuration (hub, watched folder, and release working directory), the release will fail with the following error message.

Acrobat Capture workflow does not exist.

Workaround: Specify a UNC path for your Adobe hub, Adobe watched folder, and Adobe release working directory.

Releasing Versions of Documents With OCR Attachments

If you enable the “If Document Exists – Version document” option on the Document Settings tab and release a document with an OCR full text attachment, the document will fail with the following error message. (Hummingbird case number 684801; Kofax SPRs 29709 and 31107)

{Release Error Script #1 (Hummingbird DM 5.0-5.1) [9530 The attachment “TXT” cannot be versioned for the document <documentname>. (9530)}

Workaround: None. The Hummingbird DM API does not allow versioning of documents with an OCR full text attachment.

Possible Memory Leak When Releasing Documents

When releasing a large number of documents to an existing folder, you may experience a possible memory leak. In this case, you will notice that the system performance will be considerably slower. The problem is more evident on a system where system resources are low. (Hummingbird case number 384571; Kofax SPR 31312)

Workaround: If you experience low virtual memory, shut down the workstation and restart it.

Visit the Hummingbird Web site at www.hummingbird.com or contact your Hummingbird representative.

OCR Full Text Files Saved With TIF Extension

When releasing to Records Management via this release script, Hummingbird will automatically save all released images with a “.TIF” file extension. This means that Hummingbird will not save your OCR full text files with the expected “.TXT” file extension. Instead, the DM repository will actually store the OCR full text file as a text file with a “.TIF” extension. (Hummingbird case number 384591; Kofax SPR 31210)

Workaround: None. This is the default behavior of Hummingbird DM. OCR full text files are searchable in the DM repository.

Customizing a Hummingbird Profile Form

When customizing a Hummingbird profile form, you must add the FULLTEXT attribute to the form. When the FULLTEXT attribute is set, the Hummingbird DM server will index documents. If you do not add this attribute to the Hummingbird profile, the release will fail with the following error message. (SPR 30769)

```
[ -2147221032 NYPSSVR3: You have supplied an invalid property value. : =
FULLTEXT: X9748\CLIENT ID\X8809 = 1\1\ (-2147221032)
```

Workaround: Add the FULLTEXT attribute to the Hummingbird profile form. Notice that this attribute is normally labeled “Enable Content Searching” in the DEF_PROF profile.

Releasing Kofax PDF With TIFF Files

When releasing Kofax PDF as the primary image file and multipage TIFF as the secondary image file from an Integrated Development Environment (IDE), the release will occur successfully. However, you will receive the following error message after the Release module closes. (SPR 00017358)

```
Release.exe - Application Error.
```

Workaround: You can do **one** of the following:

- Run from an installed version of the Hummingbird DM release script
- Scan or import JPEG images instead of TIFF

Multiple Release Problems

The following sections describe a couple of known multiple release problems.

Using Duplicate User Names

If you attempt to run multiple DM release scripts from one workstation using different user names, the release script will use the login properties from the last logged in user. (SPR 00011500)

Releasing Documents With Multiple Release

If you run multiple DM release scripts from one workstation and release documents to folders, the first document will always release to the correct folder in each release script. However, the remaining documents will not release to the correct specified folder. The folder that released last will receive all the remaining documents. (SPR 00011607)

For illustration, let's say that you are releasing the following:

Release Script	Folder	Documents
RS1	Existing A	docA1 docA2 docA3
RS2	Existing B	docB1 docB2 docB3
RS3	Existing C	docC1 docC2 docC3

When you run multiple DM release scripts and release documents to folders, the following will occur:

Release Script	Folder	Documents
RS1	Existing A	docA1
RS2	Existing B	docB1
RS3	Existing C	docA2 docA3 docB2 docB3 docC1 docC2 docC3

Workaround: Release the batches in the release script order.

Appendix A – Data Type Conversion

The tables in this appendix map Ascent Capture data types to Hummingbird DM data types, and indicate which combinations are valid.

Refer to your Ascent Capture Help for more information about Ascent Capture data types (Ascent Capture Help keyword: *Data types*). You can display Ascent Capture Help from the Help menu available from any Ascent Capture module. Alternatively, you can click [Start | Programs | Ascent Capture | Ascent Capture Help](#).

Ascent Value Data Types

When Ascent Value fields are copied to DM profile attributes their data types are converted to DM data types. The following table contains the conversion between the Ascent Value fields and the DM profile attributes.

Table 1. Data Type Compatibility

Ascent Value Data Types	DM Text	DM Boolean	DM Number	DM Date
CHAR	✓			
DATE	✓			✓
DECIMAL	✓		✓	
DOUBLE	✓		✓	
FLOAT	✓		✓	
INTEGER	✓	✓	✓	
NUMERIC	✓		✓	
REAL	✓		✓	
SMALLINT	✓	✓	✓	
TIME	✓			✓
VARCHAR	✓			

Text Constants

The following table lists the supported Hummingbird DM data types for Ascent Capture text constants.

Table 2. Text Constants

Ascent Capture Text Constants	DM Text	DM Boolean	DM Number	DM Date
Text Constants	✓	✓	✓	✓

Appendix B – Kofax Technical Support

For additional technical information about Kofax products, visit the Kofax Web site at www.kofax.com and select an appropriate option from the Support menu. The Kofax Support pages provide product-specific information, such as current revision levels, the latest drivers and software patches, online documentation and user manuals, updates to product release notes (if any), technical tips, and an extensive searchable knowledgebase.

The Kofax Web site also contains information that describes support options for Kofax products. Please review the site for details about the available support options.

If you are a certified representative from an authorized company, and need to contact Kofax Technical Support, please have the following information available:

- Ascent Capture software version
- The Hummingbird DM release script version
- Operating system and Service Pack version
- Network and client configuration
- Copies of your error log files
- Information about your release script