

KOFAX Capture

Release Notes for Ascent Capture® for IBM ImagePlus/400 WAF®



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Introduction

This document contains the release notes for the Ascent Capture for IBM ImagePlus/400 Workfolder Application Facility (WAF) and the WAF Feature of IBM Content Manager for AS/400. This version of the Ascent Capture application is used to export document images and index data into IBM's ImagePlus/400 imaging system.

Please read these release notes carefully as they contain certain information that is not included in the Ascent Capture printed documentation or online help. In addition, you should have a thorough understanding of ImagePlus/400. For more information, refer to your IBM documentation.

Note Hereafter these release notes will refer to the name of the iSeries client components and WAF client components as simply WAF.

Additional Documentation

These release notes are a supplement to the following:

- Documentation that came with your Ascent Capture product
- Ascent Capture Release Notes
- Online help provided from any of the Ascent Capture modules

For more information on the AS/400, IBM ImagePlus/400 and Client Access, contact your IBM representative or refer to the documentation that came with your IBM 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 searchable knowledgebase. In addition, updates to product documentation (if any) are available from these pages.

System Requirements

Network Server Components

This Ascent Capture for IBM release script requires the following network server components:

- IBM Client Access/400 or IBM iSeries Access for Windows
- TCP/IP
- Content Manager for AS/400 V4R1 with WAF Feature, Content Manager for AS/400 V4R3 with WAF Feature, IBM Content Manager for iSeries V5R1 with WAF Feature or IBM Content Manager for iSeries V5.3 with WAF Feature

Note This release script was tested using the IBM Content Manager for iSeries V5R3 with iSeries Access for Windows V5R3 (SP SI10817). Additional testing was performed using IBM Content Manager for iSeries V5R1 with iSeries Access for Windows V5R1MO (SP SI16135).

The V5R3 patch is available from the Kofax Technical Support Web site that allows this script to release to the WAF component on the IBM Content Manager for iSeries V5R1 or IBM Content Manager for iSeries V5R3. For more information, visit our Kofax Web site at http://www.kofax.com/products/ascent/release_scripts/.

In the list of release scripts, scroll down to find the entries for IBM | Content Manager WAF (AS/400).

For prerequisite AS/400 hardware and operating system requirements for these products, refer to the appropriate IBM literature.

Client Workstation Operating System Support

Ascent Capture for IBM release script supports the following client platforms.

- Ascent Capture 5.x supports the following operating systems:
 - Windows 2000 Professional
 - Windows 98
 - Windows Me
 - Windows NT 4.0 Server or Workstation with Service Pack 4
- Ascent Capture 6.0 supports the following operating systems:
 - Windows 2000 Server with Service Pack 3
 - Windows 2000 Professional with Service Pack 3
 - Windows XP Professional with Service Pack 1 or Service Pack 2
- Ascent Capture 7.0 supports the following operating systems:
 - Windows 2000 Server with Service Pack 4
 - Windows 2000 Professional with Service Pack 4
 - Windows Server 2003 (Standard or Enterprise Edition)
 - Windows XP Professional with Service Pack 2

Note At the time of publishing these release notes, the Ascent Capture for IBM release script 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 5.x, 6.0, 7.x, or Kofax Capture 8
- Microsoft Internet Explorer 6.0 (or higher)
- One of the following iSeries Client Access Family for Windows:
 - Client Access/400 for Windows NT V3R2M0 (SP SF62608)
 - Client Access Express for Windows V4R4M0 (SP SF63638)
 - Client Access Express for Windows V5R1M0 (SP SI08389)
 - Client iSeries Access for Windows V5R2 (SP SI16135)
 - Client iSeries Access for Windows V5R3 (SP SI10817)

Note The Release workstations must be configured so that the AS/400 drive letter is assigned to the file system specified in the WAF system configuration. (This may be “QDLS,” “Root,” “IFS,” or others depending on your system configuration.)

Source Code

The source code for the Ascent Capture for IBM release script is provided and it is located on the Kofax Web site at www.kofax.com. The source code can be opened, edited, and compiled in Visual Basic 6.0 with Service Pack 5. To use the modified release script, you must replace the Ascent Capture for IBM release script WAFRel.dll with the modified version on the client workstation.

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

Additional Information

This section contains additional information about the Ascent Capture for IBM release script.

Unsupported Ascent Capture 6.0 and Ascent Capture 7.0 Features

Kofax PDF

The Ascent Capture for IBM release script does not support releasing images in Kofax PDF format. Therefore, if you add the Kofax PDF Generator to your applicable document class/batch class and enable Kofax PDF generation in Ascent Capture, you will not be able to release in the Kofax PDF image format.

Adobe PDF

The Ascent Capture for IBM release script does not support releasing images in Adobe PDF format.

File Name Retention

The Ascent Capture for IBM release script does not support file name retention. This means that if you enable this option, the original imported file name will not be retained and the default numeric name will be used.

eDocuments

The Ascent Capture for IBM release script does not support eDocuments. This means you cannot release non-image files other than OCR Full Text.

SecurityBoost

The Ascent Capture for IBM release script does not support the Ascent Capture SecurityBoost feature. The SecurityBoost feature allows you to enhance Ascent Capture security for systems using Windows XP and Windows 2000.

If the SecurityBoost feature is enabled for Ascent Capture on your Microsoft Windows workstation, you will receive the following error message:

```
75 Path/File access error.
```

You will need to bypass this feature. Use the following procedure to bypass the SecurityBoost feature.

► To bypass the SecurityBoost feature

- 1 From the Windows taskbar, select Start | Run.
- 2 In the text box, enter `release.exe /NoBoost` (for example, `"C:\Program Files\Ascent\Bin\release.exe" /NoBoost`).
- 3 Click OK.

Refer to your Ascent Capture Help for more information about the SecurityBoost feature.

Installation Notes

Read the following sections before you start your installation.

Setup Tasks

A host code library containing interface software must be installed and configured on the IBM system. This will allow the Ascent Capture workstations that are running this release script to communicate with the IBM system. The host code library is available from the Kofax Technical Support Web site.

Host Code Library Installation

► To install from the Technical Support Web site

- 1 Download the Ascent Capture for IBM release script from the Kofax Technical Support Web site. The file that downloads is a self-extracting executable that contains the release script files.
- 2 Copy KFXLIB40.SAVF to the Windows directory or WINNT directory on your Release workstation.
- 3 Type “FTP <IBM IP address>” and press Enter.
- 4 Enter the username and password for the IBM administrator (QSECOFR is recommended).
- 5 Type “binary” and press Enter.
- 6 Type “QUOTE SITE NAMEFMT 1” and press enter (Notice that there is a space between NAMEFMT and 1).
- 7 Type “put KFXLIB40.SAVF” and press Enter.
- 8 Once the success message is displayed, type “Quit” and press Enter.
- 9 From the IBM command prompt, type “RSTLIB” and press Enter.
- 10 Use the following parameters:
 - a Library: KFXLIB40
 - b Type: *SAVE
 - c Save File: KFXLIB40
 - d Library: QGPL

If desired, you can change the name of the host code library during the restore procedure by using the RSTLIB parameter of the RSTLIB command. All references to the library in this document assume the name KFXLIB40.

Note The name of the host code library must match the name specified in the Host Code parameter in the Configuration tab on the Ascent Capture – ImagePlus WAF/400 Release Setup dialog box (discussed later in this document). If you change the name of the library during installation, the Host Code library parameter on the Configuration tab must also be changed to match.

Configure or Validate Profiles

Users releasing documents to the IBM system must have:

- A valid user ID and password
- Appropriate authorities to write objects to the libraries
- A valid user profile
- A valid language profile

In addition, you should ensure that any document types, file cabinet codes, or file cabinet keys that you specify in Ascent Capture are properly defined on the IBM system. For example, if an Ascent Capture index field will be mapped as a WAF File Cabinet Code, the File Cabinet must already be defined on the IBM system. Similarly, if an Ascent Capture index field is mapped as a WAF Document Type, the Document Type must be defined on the IBM system.

Validations against the mappings are performed during Ascent Capture release and by the Automatic Index Processor after Ascent Capture has released documents to the IBM system.

Refer to *Releasing Documents* on page 17 for more details.

Note on Default Entry in Job Queue Name

The default entry in the Job Queue Name field in the Configuration tab may cause a “Server Job not started in time allowed” error message.

The Ascent Capture for IBM release script default value for the Job Queue Name field is *JOBDB, which tells the IBM system to use the default subsystem assigned to that user's profile. Unfortunately, the typical default is QBATCH, which may cause release to fail with a “Server Job not started in time allowed.” error message.

Two Job Queues work by default.

The QINTER (QINTER subsystem) and the QPWFSERVER (QSERVER subsystem) job queues work in conjunction by default. One of these two values can be entered in the Job Queue Name field for release to work properly.

To get *JOBDB and QBATCH entries to work properly, the IBM administrator can change the QBATCH profile's Number of Jobs value to *NOMAX.

Release Workstation Setup Tasks

After installing and configuring the host code library on the IBM system, the Release workstation must be configured as described in this section.

Ascent Capture

This section outlines the procedures to follow before installing the Ascent Capture for IBM release script.

Un-install Previous Versions

Existing Ascent Capture for IBM release script must be un-installed before the current version is installed. To do this, go to the Control Panel and click on the Add/Remove Programs utility from the Windows Control Panel. Once the Add/Remove Programs window is displayed, select the

Ascent Capture for IBM release script. Then, click the Add/Remove button to initiate the un-install process. All Batch and Document Classes will be left intact.

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

Client Access Setup

The Ascent Capture for IBM release script requires the network drive and data queue facilities of IBM Client Access in order to communicate with the IBM system and move images from Ascent Capture to the IBM system.

Refer to the documentation that came with IBM product for more information.

Install Client Access (For Client Access Express for Windows Prior to V5R1)

Install Client Access on the Release workstation by following the instructions in the Client Access Setup Manual. When prompted during the setup process, you must install the network drives and data queue features of Client Access.

Note It is strongly recommended that you also install the latest IBM Client Access Service Pack for the particular version of Client Access you are using. Service Packs are available at no charge from the IBM Web site (www-1.ibm.com/servers/eserver/series/access/).

Install Client iSeries Access (Client iSeries Access for Windows V5R1 - V5R3)

Install Client Access on the Release workstation by following the instructions in the Client Access Setup Manual. When prompted during the setup process, you must install the file system component of the iSeries Navigator System components.

Note It is strongly recommended that you also install the latest IBM Client Access Service Pack for the particular version of Client Access you are using. Service Packs are available at no charge from the IBM Web site (www-1.ibm.com/servers/eserver/series/access/).

Create an IBM Connection (For Client Access Express for Windows V5R1 and Earlier)

After Client Access has been installed on the Release workstation, create a connection with the IBM system by performing the following steps.

Note You may configure either a TCP/IP connection or an APPC connection to your IBM system.

- 1 From the Start Menu, select Programs | IBM AS400 Client Access | AS400 Connections.
- 2 Select Connection, New... from the "AS/400 Connections – Primary Environment" menu bar.
- 3 Follow the steps in the "Add AS/400 Connection" wizard to configure and test a connection.

Create an IBM iSeries NetServer File Share (Client iSeries Access for Windows V5R2 and V5R3)

Visit the IBM technical document on the IBM Web site for instructions (<http://www-912.ibm.com/8625680A007CA5C6/1AC66549A21402188625680B0002037E/0D0860F6C782CDB786256A0F007C240E>).

Map a Network Drive

After creating a Client Access connection, use Windows Explorer to map a network drive to the IBM system on the Release workstation by performing the following steps:

- 1 Start Windows Explorer and select Tools, Map Network Drive... from the menu bar
- 2 Select an available drive letter from the dropdown list.

The drive letter you select must match the drive letter defined as the DASD (Direct Access Storage Drive) System ID in your IBM installation. Or else it can be mapped to match the DASD System ID from the "General Settings" tab on the Ascent Capture – ImagePlus WAF/400 Release Setup dialog box (see General Settings Tab on page 17 for more details).

Note To check your DASD System ID, go to panel EKD000 (the main menu) on your IBM system and select option "3 – Administrative Processing". From there, select option "5 – Update Profiles" and then option "13 – DASD System ID".

- 3 Specify the path to your IBM object directories or select the path from the "Path" dropdown box. For example, your path may be:

\\AS400NAME or \\AS400NAME\QDLS

Where AS400NAME is the name of the IBM connection you configured in Client Access, as described on page 8.

The drive path must be assigned to the file system specified in the IBM system configuration. This may be "QDLS" (for example: \\AS400NAME\QDLS), "Root" (for example: \\AS400NAME), or others depending on your system configuration.

Note To check the file system used for your IBM object directories, go to panel EKD000 (the main menu) on your IBM system and select option "3 – Administrative Processing". From there, select option "5 – Update Profiles" and then option "14 – Object directory".

- 4 Check the "Reconnect at logon" check box so the connection will automatically be made each time you start the workstation.

Note You may need to add a drive icon for this drive to your Windows Startup Folder so that the drive is mapped automatically every time Windows is started.

Refer to the documentation that came with your IBM product for more information.

Setting the Workstation ID

The workstation ID on the Release workstation is automatically generated at release time. One workstation ID is created for each Release workstation and each workstation is assigned a unique workstation ID.

Note Make certain that each workstation is assigned a unique workstation ID.

If you need to view and/or change the automatically generated workstation ID, the WAF Workstation Setup utility must be used. The WAF Workstation Setup utility will display the current workstation ID and will accept any new entries as the new workstation ID. The icon for the WAF Workstation Setup utility is found under the Ascent Capture program group.

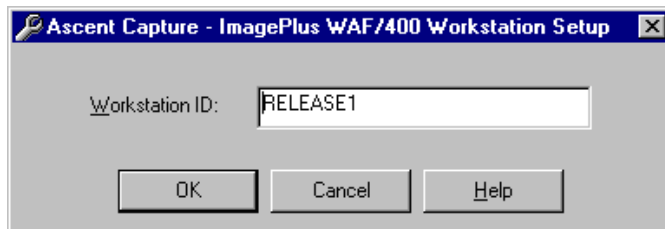


Figure 1. WAF Workstation Setup Utility

Workstation ID

This field displays the current workstation ID. You can change the workstation ID by entering in a unique workstation ID and clicking the OK button. The Cancel button will cancel all changes.

Setting Up the Release Script

The following section contains information pertaining to setting up the Ascent Capture for IBM release script. For additional information regarding Ascent Capture batch classes, document classes and index field types, refer to the *Getting Started with Ascent Capture* guide.

Release Script Setup

You must configure at least one Ascent Capture for IBM release script before releasing any documents to Ascent Capture.

► To access the Release module options for a document class

- 1 Start 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, which lists all available release scripts. Available release scripts are those that are registered with Ascent Capture.
- 4 From the Release Scripts dialog box, select the Ascent Capture for IBM release script and click Add. The Ascent Capture – ImagePlus WAF/400 Release Setup dialog box will display.
- 5 Refer to the sections below for information about the release script settings.

Index Storage Tab

The Index Storage tab allows you to define where the Ascent Values are stored using the available IBM key fields. Each IBM field to be populated with an Ascent Value should be indicated by specifying the Ascent Value next to the IBM key field in the table.

Note You must ensure that the appropriate profiles (such as document type or file cabinet) are defined in IBM prior to releasing documents to Ascent Capture. Undefined items may result in error messages.

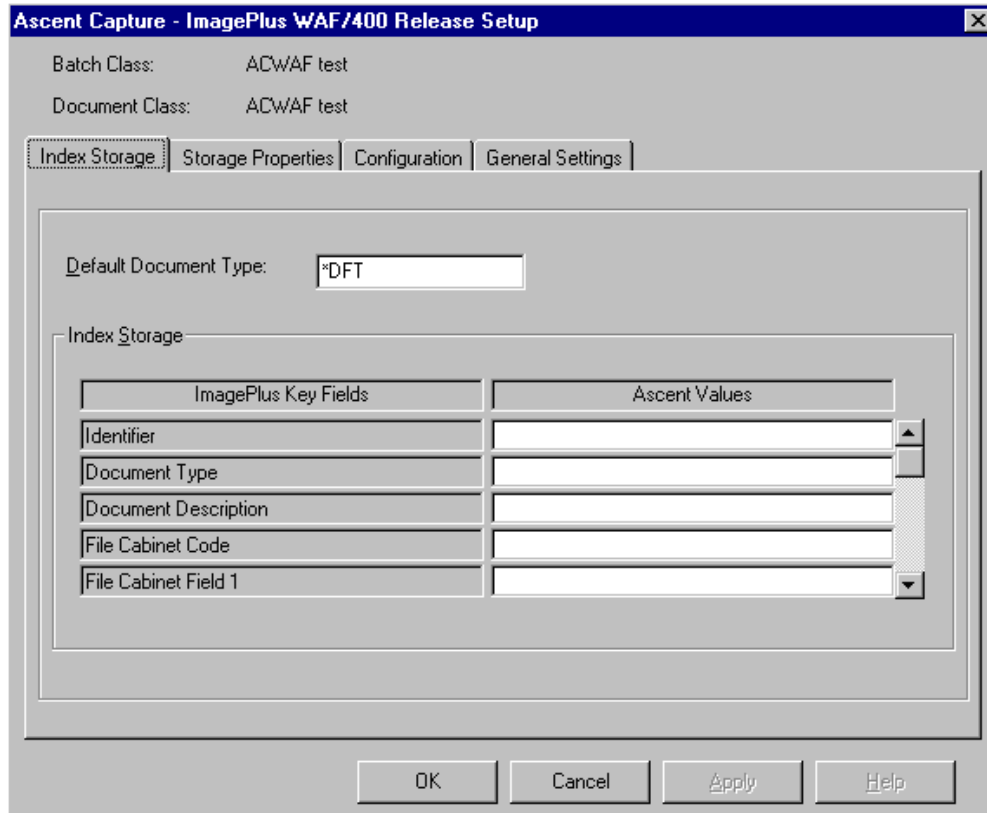


Figure 2. Index Storage Tab

Default Document Type

This field is the default IBM document type that is associated with this document class. If the IBM Key Field “Document Type” is linked to an Ascent Value, then this value is ignored. This field must be a document type that has already been defined in the IBM system.

Index Storage

ImagePlus Key Fields

This column of fields lists all available IBM key fields that can be populated with Ascent Value field information. These fields should be mapped to the appropriate Ascent Values in the current document class by specifying an Ascent Value in the Ascent Values column. When the documents are released, the data in the Ascent Value field is transferred to the associated field in the target IBM database. The available IBM fields are detailed in Table 1 on page 13.

Note If Document Description is left blank, the document description specified for the Document type in IBM is used.

Ascent Values

This column lists all available Ascent Values defined for the current document class. These Ascent Values should be mapped to the appropriate IBM Key Fields by selecting the Ascent Value from the popup menu. When the documents are released, the data in the Ascent Values is transferred to the fields in the target IBM database.

Table 1. Available IBM Index Fields

Field#	EKD0215 Name#	Length#	Type#
Identifier	IDENTIFIER	40	Character
Document Type	DOCTYP	8	Character
Document Description	DESCRL		
This field is in the EKD0310 file.	40	Character	
File Cabinet Code	FCCODE	8	Character
File Cabinet Key 1	FCFLD1	40	Character
File Cabinet Key 2	FCFLD2	40	Character
File Cabinet Key 3	FCFLD3	40	Character
File Cabinet Key 4	FCFLD4	40	Character
File Cabinet Key 5	FCFLD5	40	Character
File Cabinet Key 6	FCFLD6	40	Character
File Cabinet Key 7	FCFLD7	40	Character
File Cabinet Key 8	FCFLD8	40	Character
Scanner Data Field 1	SDFLD1	10	Character
Scanner Data Field 2	SDFLD2	64	Character
Scanner Data Field 3	SDFLD3	20	Character
Scanner Data Field 4	SDFLD4	20	Character
Scanner Data Field 5	SDFLD5	20	Character
Scanner Data Field 6	SDFLD6	20	Character
Scanner Data Field 7	SDFLD7	20	Character
User Data Field 1	UFLD1	40	Character
User Data Field 2	UFLD2	40	Character
User Data Field 3	UFLD3	40	Character
User Data Field 4	UFLD4	40	Character
User Data Field 5	UFLD5	40	Character

Table 1. Available IBM Index Fields (continued)

Field#	EKD0215 Name#	Length#	Type#
User Data Field 6	UFLD6	40	Character
User Data Field 7	UFLD7	40	Character
User Data Field 8	UFLD8	40	Character
User Data Field 9	UFLD9	40	Character
User Data Field 10	UFLD10	40	Character

Storage Properties Tab

The Storage Properties tab is used to define how document images are to be stored for the current document class.

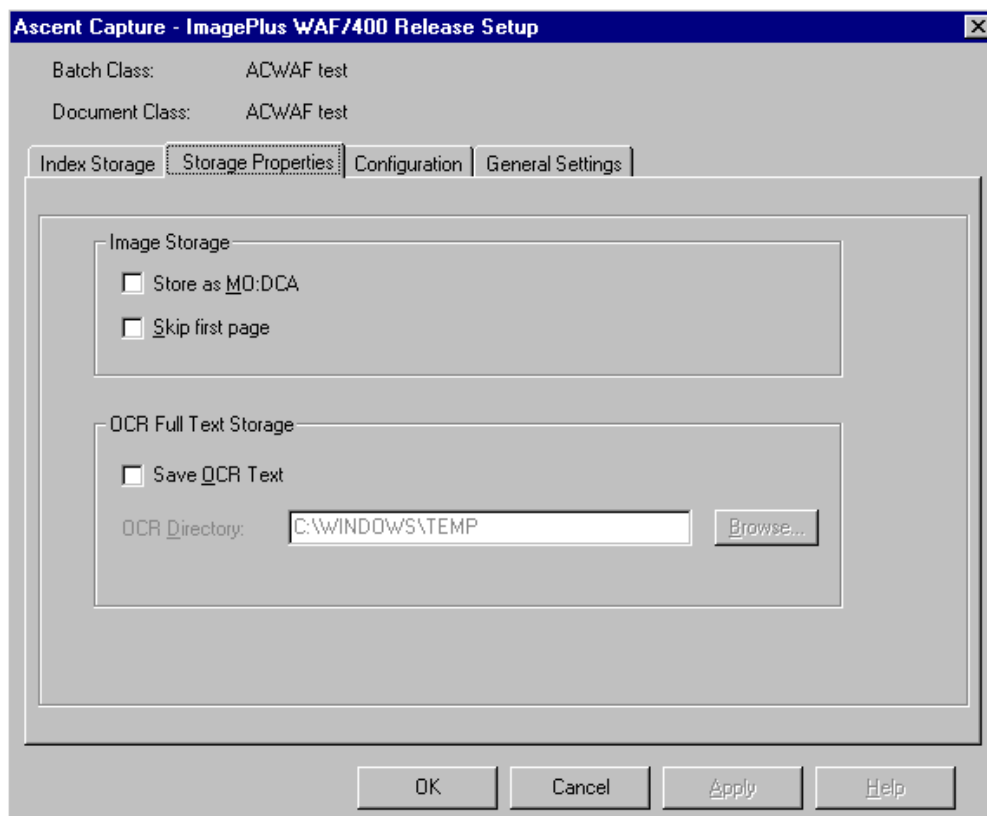


Figure 3. Storage Properties Tab

Image Storage

Store as MO:DCA

When this check box is checked, it indicates that the images in the document class will be converted to the IBM MO:DCA format. When it is not checked, it indicates that the images in the document class will be converted to the Ascent Capture TIFF format.

Note This option is not supported for color and grayscale images for the MO:DCA image format. Make certain that this option is unchecked when scanning color and grayscale images.

Skip first page

This check box indicates whether the first page of each document should be discarded. You may want to do this if you are using standalone separator sheets to separate your documents.

OCR Full Text Storage

Save OCR Text

This check box indicates whether the OCR text produced by Ascent Capture should be saved.

OCR Directory

This field is the directory in which the Ascent Capture for IBM release script will store the OCR files if the "Save OCR Text" check box is checked.

Browse

This button is used to locate a directory to be used as the OCR Directory.

Configuration Tab

The Configuration tab is used to define the IBM system name and the libraries to be used for the current document class. A different set of libraries can be specified for each batch/ document class, if desired.

The screenshot shows the 'Ascent Capture - ImagePlus WAF/400 Release Setup' dialog box with the 'Configuration' tab selected. The 'Batch Class' and 'Document Class' are both set to 'ACWAF test'. The 'Configuration' tab contains the following fields:

- Host System Name: *DFT
- Job Queue Name: *JOBDB
- Host Libraries section:
 - ImagePlus: EKDLIB
 - ImagePlus File: EKDLIBFIL
 - ImagePlus API: EKDAPI
 - Host Code: KFXLIB40
 - User 1: [Empty]
 - User 2: [Empty]
 - User 3: [Empty]
 - User 4: [Empty]
 - User 5: [Empty]

Buttons at the bottom include OK, Cancel, Apply, and Help.

Figure 4. Configuration Tab

Host System Name

This field is the name of the IBM system on which the system is installed (as it was defined in the Client Access configuration). The default value is *DFT and is the managing system specified in Client Access.

Job Queue Name

This field is the name of the IBM job queue that the Ascent Capture for IBM release script jobs are started in. The job queue controls which IBM subsystem the jobs will run in. The default is *JOBDB (This means to use the Job Queue specified in the Job Description for the User Profile).

Note Ensure that the job queue specified and subsystem are configured to allow for multiple processes. Otherwise, it is possible that only one Release workstation will be able to release documents and index data at a time.

Host Libraries

ImagePlus Library

This field is the name of the program library. This name was determined during the IBM installation. The default is EKDLIB.

ImagePlus File Library

This field is the name of the data file library. This name was determined during the IBM installation. The default is EKDLIBFIL.

ImagePlus API Library

This field is the name of the API program library. This name was determined during the IBM installation. The default is EKDAPI.

Host Code Library

This field is the name of the Ascent Capture for IBM release script program library. This value must match the library name used when the interface software was installed on the IBM system. The default is KFXLIB40.

User (Library) 1 – 5

These fields are optional values used to specify additional libraries to be added to the library list of the IBM interface program (SRVCOMM) when it is executed on the IBM system. The User fields may be used to add Line of Business libraries to the library list.

Note Default values are not available to be restored once the items in the Configuration Tab are changed and saved. Items in the Configuration Tab are stored in the Windows Registry. See *Appendix A – WAF Default Values* on page 24 for a listing of all items saved in the Windows Registry.

General Settings Tab

The General Settings tab is used to define general options for the current document class.

The screenshot shows a dialog box titled "Ascent Capture - ImagePlus WAF/400 Release Setup". At the top, it displays "Batch Class: ACWAF test" and "Document Class: ACWAF test". Below this are four tabs: "Index Storage", "Storage Properties", "Configuration", and "General Settings" (which is selected). The "General Settings" tab contains the following fields:

- Drive Remap:** An empty text input field.
- Working Directory:** A text input field containing "C:\WINDOWS\TEMP" and a "Browse..." button to its right.
- Server Timing (in seconds):** A group box containing two sub-fields:
 - Start Allowance:** A spin box with the value "10".
 - Response Allowance:** A spin box with the value "60".

At the bottom of the dialog are four buttons: "OK", "Cancel", "Apply", and "Help".

Figure 5. General Settings Tab

Drive Remap

This field is used to map the DASD System ID to the IBM network drive or directory assigned on the Release workstation (for example, Q: or \\AS400NAME\QDLS). It must match the drive assignment specified in Client Access. If this field is left blank, the drive letter assigned on the Release workstation is used as the DASD System ID.

Working Directory

This field is the temporary storage location will use to store document images during release processing.

Browse

This button is used to locate a directory to be used as the Working Directory.

Server Timing (in seconds)

Start Allowance

This field is used to define the number of seconds to allow the IBM server program to start before timing out. The value can be increased to allow more wait time on heavily loaded networks or slower networks. Increasing the value may decrease overall release performance. Valid entries are from 1 through 60.

Response Allowance

This field is used to define the number of seconds to allow the IBM server to respond to receiving data from the Release workstation before timing out. The value can be increased to allow for more wait time on heavily loaded networks or slower networks. Increasing the value may decrease overall release performance. Valid entries are from 5 through 60.

Releasing Documents

With the Ascent Capture for IBM release script, 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 the available batches. The Release module may be configured to run during off-hours to avoid impact to the throughput of Ascent Capture and /or the network system.

Ascent Capture Release Workstation

► To initiate a transfer of documents

- 1 Ensure that the appropriate network drive is mapped to the Ascent Capture for IBM release script.
- 2 Start the Ascent Capture Release module by double clicking on the Release icon. The module's main screen will display. Any batches waiting to be released will be processed.

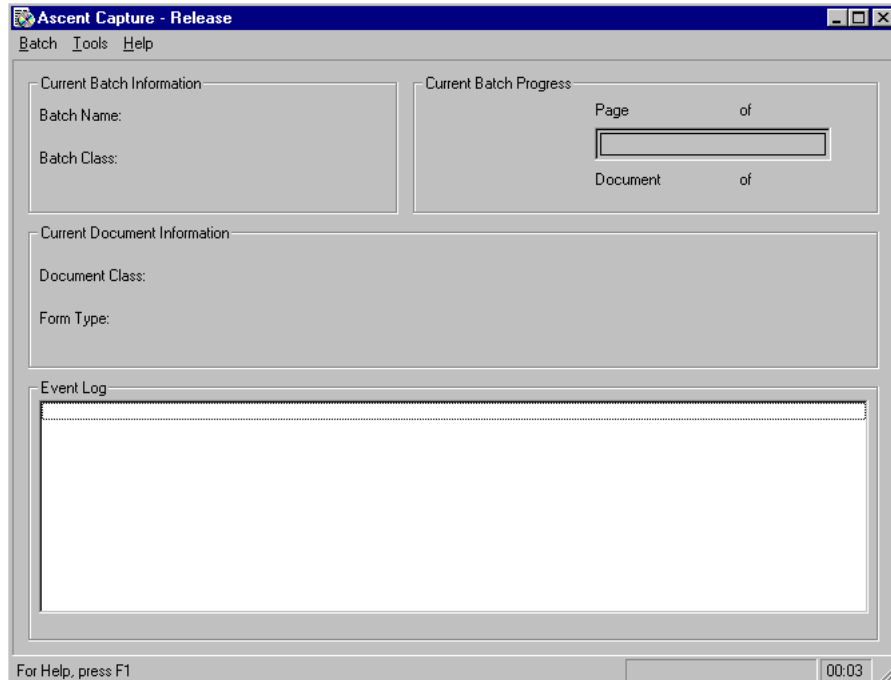


Figure 6. Ascent Capture - Release Module

After all eligible documents are released, the Ascent Capture – Release module will continue to run and monitor for new batches that are ready to release. The module can be

left running unattended if desired. If any documents or pages are rejected, the batch will be routed to the Ascent Capture Quality Control queue.

- 3 When you want to exit the Release module, select Batch | Exit from the Release module's menu bar. Alternatively, you can click the "X" in the upper right corner of the Ascent Capture – Release dialog box.

Automatic Indexing Processor

Documents released by Ascent Capture into IBM are queued for indexing via the Automatic Indexing Processor. Once started, the Automatic Indexing Processor can run unattended and will check for new documents to be indexed from Ascent Capture at a user-specified interval (based on the IBM settings).

Note No Ascent Capture documents will be indexed into Ascent Capture for IBM release script until the Automatic Indexing Processor is started. The processor can be operated manually or incorporated into an IBM job scheduler if desired. Refer to the documentation that came with your IBM product for more information.

► **To begin indexing documents released by Ascent Capture into IBM**, you can start the Automatic Indexing processor by performing the following steps on the IBM system:

- 1 Sign on to the IBM system as user with appropriate IBM authority.
- 2 Go to menu EKD000 (Type GO EKD000 at the IBM command line).
- 3 Select option "3 – Administrative processing" from menu EKD000.
- 4 Select option "3 – System services processing" from menu EKD300.
- 5 Select option "1 – Index, import, and export services" from menu EKD500.
- 6 Select option "1 – Start automatic indexing" from menu EKD510.
- 7 Specify how often (in minutes) that the IBM index processor should check for new documents to be indexed on panel EKD50114. Press Enter. The Automatic Index Processor will begin indexing documents into IBM.

To end the Automatic Index Processor, perform the steps listed above, except select option "5 – Stop automatic indexing" from menu EKD510.

The IBM Reindex Queue

During the Automatic Indexing process, IBM validates the Ascent Values that have been mapped to the IBM Key Fields. Documents that fail the validation (for example, because the value mapped to a WAF File Cabinet Code is not a valid IBM File Cabinet) are moved to the IBM Reindex Queue (EKD0260) for manual re-processing. A record will also be added to the IBM error log file (EKD0080) detailing the reason the document was rejected (see *Troubleshooting* on page 21 for more details).

These documents can be re-processed by accessing the IBM Reindex Queue from the standard IBM menus. Refer to the documentation that came with your IBM product for more information.

Ending Ascent Release Server Jobs

Although the Ascent release server jobs are designed to start and run continuously, there may be a need to shut down job(s) for backup or diagnostics. The KFXENDSVR command is provided as a utility to end the Ascent release server job(s) and optionally do some additional cleanup.

Caution Do not run this command while a batch is in the process of releasing!

► To end the Ascent release server job(s)

- 1 Sign on to the IBM system.
- 2 Add the library KFXLIB40 to your library list by typing the following command and pressing Enter:
ADDLIB KFXLIB40 <Enter>
- 3 Issue the command to change or update the version of Ascent Capture for IBM release script with which Ascent will be used by typing the following command and pressing the F4 key:

KFXENDSVR <F4>

The “End Ascent Server” panel, as shown below, is displayed.

```

                                End Ascent Server (KFXENDSVR)

Type choices, press Enter.

Workstation ID . . . . . *ALL      Name, *ALL
Delete data queues . . . . . Y      Y, N

                                                                 Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

Figure 7. End Ascent Server Panel

This panel is used to specify the following parameters:

Workstation ID

This is workstation ID of the Release workstation server job that is to be manually ended. Entering *ALL will end all Release workstation jobs. The default is *ALL.

Delete data queues

This is an option to delete the data queues that the server job is using for communication. The data queues are automatically created when the release script is started. The default is Y.

Known Problems

This section contains information about known problems with the Ascent Capture for IBM release script.

MO:DCA Documents are Blank

The Enable Width Alignment check box must be checked before scanning MO:DCA documents. Leaving the "Enable Width Alignment" and the "Pad Width to Byte Boundary" check boxes unchecked will cause all scanned images to be blank when viewed. The "Enable Width Alignment" and the "Pad Width to Byte Boundary" check boxes are found by clicking on the Advanced Source Properties button in the Kofax Source Manager. The Kofax Source Manager window is displayed by clicking on the KSM icon in the Control Panel.

Color and Grayscale MO:DCA Documents

Color and Grayscale images are not supported when using the MO:DCA image format. Ensure that the Store as MO:DCA check box on the Storage Properties tab is unchecked when scanning color and grayscale documents.

Troubleshooting

During the Ascent Capture Release process, errors may occur due to configuration problems, security authorization problems, or other operational problems.

Release Error Messages

Error messages are listed in the Ascent Capture Release module Event Log area, as well as written to the Release error log file on the Release workstation. The Release error log file is named `Err_yymm.txt`, where *yy* is the last two digits of the year and *mm* is a two-digit number representing the month in which the information is logged.

The format of these messages is as follows:

Error in document #*N*, *TTT*...
or
Message: *BBB TTT*....

Where *N* is the document number in the batch, *TTT*... is the message text, and *BBB* is the type of message (for example "WARNING"). The type of message (*BBB*) may be blank.

Message IDs, a description of the message, an explanation, and possible diagnostic or corrective actions are listed in Table 2. Errors that do not appear below are considered internal errors and should be reported to IBM System Support.

Table 2. Release Error Messages

Message ID	Description	Explanation	Possible Diagnostic or Corrective Action
20130	Cannot copy file to this path: PPP...	Release cannot copy the scanned document to the IBM system. PPP... is the destination where Release tried to copy the document.	Map the appropriate drive letter and/or file system to the IBM system.
20138	This file is not RIDIC compliant.	The scanned or imported document is not RIDIC compliant, which is required for conversion to MO:DCA.	Make the image RIDIC compliant and re-enter into Ascent Capture.
20218	Server job not started in time allowed.	The server job was not able to start in the allowed time.	Check the IBM server for any error logs pertaining to the Ascent server job. If the network is slow, try increasing the "Start Allowance" time in Release Setup.
22000	An unexpected error occurred with a WAF API.	While calling an IBM API, the program received a bad return code and could not continue processing.	Look up the return code and reason code from the EKD0080 error log in the IBM Messages and Codes manual for more information.

Table 2. Release Error Messages (continued)

Message ID	Description	Explanation	Possible Diagnostic or Corrective Action
22001	The document type is invalid.	The WAF document type is not valid.	Specify a correct WAF document type in Ascent Release, or define the document type in the IBM system.
22002	XXX is invalid.	The XXX specified is not numeric.	Specify a numeric value.
22003	The Document ID is required.	The Document ID is blank.	Specify a Document ID.
22004	The Identifier or the File Cabinet Code is required.	Both the Identifier and the File Cabinet code are blank. A value must be specified for at least one.	Link an Ascent index field to the WAF Case Identifier and/or a File Cabinet Code into which to place the document.
22005	The Document ID does not exist.	The Document ID does not exist in Ascent Capture for IBM release script.	Specify a Document ID that has been created in Ascent Capture for IBM release script.
22006	A batch indexing record already exists for Document ID.	A duplicate key was detected while trying to write a record to the automatic indexing file	Contact IBM System Support.
22007	Error writing batch indexing record for Document ID.	Release received an unexpected file status while trying to write to an IBM file.	Check the IBM EKD0080 error log for information. Look up the file status in the reference manual. Retry the request after the problem has been resolved.
22008	An open error occurred for a file.	An unexpected file status was received while trying to open a file.	Look up the file status in the COBOL reference manual. Retry the request after the problem has been resolved.
22009	Error writing reindexing record for Document ID.	An unexpected file status was received while trying to write to an IBM file.	Look up the file status in the COBOL reference manual. Retry the request after the problem has been resolved.
22010	Service could not be found by the server.	The server could not find service.	Write down the message number and service name and contact IBM System Support.
22011	Error changing library list.	An error occurred when Release tried to change an IBM library list.	Check whether the user is authorized to change IBM library lists.
Message ID	Description	Explanation	Possible Diagnostic or Corrective Action
22012	Error clearing data area.	An error occurred when Release tried to clear an IBM data area.	Check whether the user is authorized to clear IBM data areas.

Table 2. Release Error Messages (continued)

Message ID	Description	Explanation	Possible Diagnostic or Corrective Action
22020	The requested message number was not found in the message file.	The message requested by the client was not found in the message file. Either an invalid message was requested, or the message was not placed in the file.	Contact IBM System Support.
24001	Error on ZZZ call. A configuration error has occurred.	The Client Access API call ZZZ has a problem with the Client Access configuration.	Check the Client Access configuration.
24004	Error on ZZZ call. A security error has occurred.	The Client Access API call ZZZ has a problem with Client Access security.	The user signed on to Client Access does not have adequate user authority for the operation. Assign more authority or use a different user.
24012	Error on ZZZ call. AS/400 system inactive or does not exist.	The IBM system name specified in Release Setup for the document class is invalid.	Use a valid IBM system name in Release Setup for the document class. The IBM system name specified in Release Setup must match the name configured in Client Access.
24019	Error on ZZZ call. A communications error occurred.	There is a problem with the communications with the IBM.	Check the IBM error logs for an indication of what caused this error.
24022	Error on ZZZ call. Data Queues will not run with this version of communications.	Wrong version of the data queue API's are loaded on the system.	An unsupported or incompatible version of Client Access was used. Install a compatible version of Client Access and try again.

IBM Host Error Messages

In addition to the Release error messages, the IBM host error log (usually located in file EKD0080 in library EKDLIBFIL) may contain a record of the error. IBM error messages are in the form EKD-9999, where 9999 is the IBM error number, followed by the date and time the error was logged and additional diagnostic information. To display the text of an error message, enter the following command at the IBM command line:

```
DSPMSGD RANGE (USR9999) MSGF(EKDLIBTXT/EKDMSG)
```

Where 9999 is the EKD message number from file EKD0080 and EKDLIBTXT is the name of the IBM panel library.

Appendix A – WAF Default Values

These WAF Default values are saved in 'My Computer\HKEY_CURRENT_USER\Software\VB and VBA Program Settings\WAFREL\WAF Defaults'.

Table 3. Configuration Tab Items

Registry Data Name	VB Data Name
WAFSystemName	txtHostSystemName.Text
WAFJobQName	txtJobQName.Text
WAFWorkstationID	txtWorkstationID.Text
WAFHostCodeLib	txtHostCodeLib.Text
WAFLib	txtWAFLib.Text
WAFFileLib	txtWAFLibFil.Text
WAFApiLib	txtWAFApi.Text
WAFUserLib1	txtLib1.Text
WAFUserLib2	txtLib2.Text
WAFUserLib3	txtLib3.Text
WAFUserLib4	txtLib4.Text
WAFUserLib5	txtLib5.Text

Table 4. General Settings Tab items

WAFStartAllow	txtStartAllow.Text
WAFResponsAllow	txtResponse.Text
WAFTempDir	txtTempDir.Text
WAFDriveRemap	txtDriveRemap.Text

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
- Ascent Capture for IBM release script version
- Operating system and Service Pack version
- Network and client configuration
- Copies of your error log files
- Information about your release script

