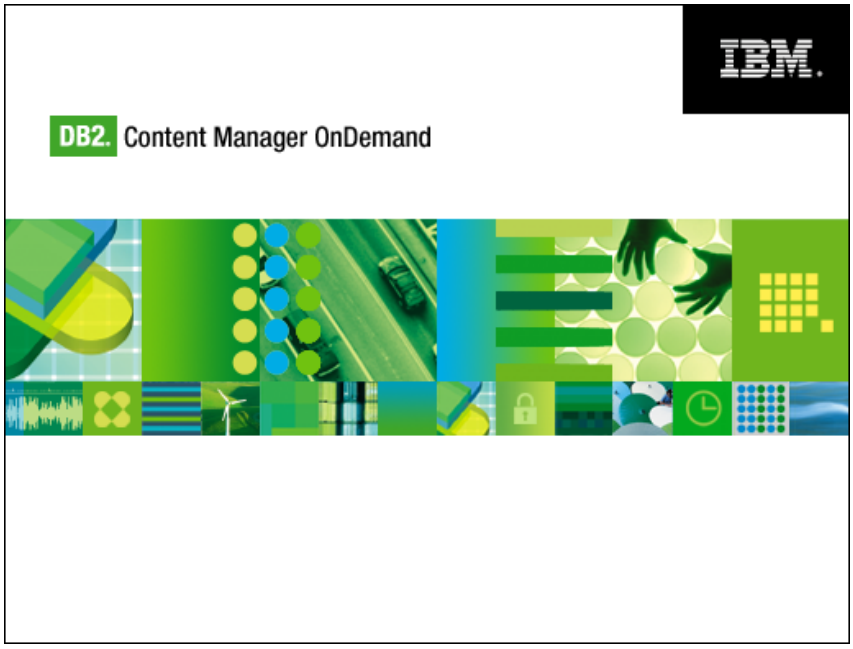
IBM DB2 Content Manager

OnDemand for iSeries / Kofax Ascent Capture

Release Script Guide



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Preface

The integration between Content Manager OnDemand (OnDemand) and Kofax Ascent Capture can be thought of as an electronic file cabinet. Documents can be scanned, indexed, archived, migrated to other media (tape or optical storage), and retrieved for viewing. This solution does not have workflow or any of the Content Manager enhanced features like Forms or Masks. If any of those features are needed, please contact your IBM marketing representative about Content Manager for iSeries (formerly know as ImagePlus VisualInfo/400).

Throughout this book, you will be taken through sample definitions for a hospital application. A few terms are used that are foreign to most people, like Encounter and Tab. It is not important to understand what an Encounter or Tab is, just that it represents an index, or key, to an archived document.

Updates in This Edition

This edition of the document is updated to include

- Part 1: OnDemand Spool File Archive Integration with Kofax Ascent Capture
- Part 2: OnDemand Common Server Integration with Kofax Ascent Capture

How This Book Is Organized

This book is organized as follows:

Part 1: OnDemand Spool File Archive Integration with Kofax Ascent Capture

- Chapter 1, Overview

  This Chapter gives you an overview of the OnDemand for iSeries AnyStore Integration Release Script for use with OnDemand Spool File Archive.

- Chapter 2, Setup Tasks - iSeries

  This Chapter gives you the instructions necessary to install and configure all software on the iSeries.

- Chapter 3, Setup Tasks - Workstation

  This Chapter gives you the instructions necessary to install and configure all software on the workstation.

- Chapter 4, Release Processing

  This Chapter gives you instructions for releasing batches of documents from Ascent Capture to OnDemand Spool File Archive.

- Chapter 5, AnyStore Processing

  This Chapter describes how to control AnyStore processing on the iSeries using the AnyStore monitor.

- Chapter 6, Error Processing

  This Chapter describes the methods that can be used to correct errors that can occur as a result of incorrect input data and recommends possible solutions.

- Chapter 7, User Exit Programming

  This Chapter describes two available user exit programs and how they might be used to reduce keying and improve accuracy when indexing documents.

- Chapter 8, Commands

  This Chapter describes the commands available with the AnyStore Integration Release Script PRPQ.

- Chapter 9, Backup and Recovery

  This Chapter discusses backup and recovery considerations for this solution.

- Chapter 10, Security Considerations

  This Chapter describes security-related topics.

- Chapter 11, Error Messages

  This Chapter describes sources of information that can be used to investigate error messages.

- Chapter 12, Using the iSeries AnyStore Monitor to Archive User-Defined Data

This Chapter describes the method you can use to archive user-defined AnyStore data using the AnyStore monitor rather than the AnyStore APIs.

- Chapter 13, Content Manager Integration

  This Chapter discusses the integration options for OnDemand AnyStore with IBM Content Manager.

Part 2: OnDemand Common Server Integration with Kofax Ascent Capture

- Chapter 14, Overview

  This Chapter provides an overview of the OnDemand for iSeries Integration Release Script for use with OnDemand Common Server.

- Chapter 15, Setup Tasks - iSeries and Workstation

  This Chapter gives you the instructions necessary to install and configure all software on both the iSeries server and workstation.

- Chapter 16, Release Processing

  This Chapter contains instructions for releasing batches of documents from Ascent Capture to OnDemand Common Server.

Appendices

- Appendix A, Additional Information Sources

- Appendix B, Notices

Part 1. OnDemand Spool File Archive Integration with Kofax Ascent Capture

Chapter 1. Overview

This solution is used to integrate the IBM OnDemand for iSeries Spool File Archive and AnyStore software with the Kofax Ascent Capture product. This solution is provided for V5R1 and higher of OnDemand for iSeries. (This solution will work for releases back to V4R4 of OnDemand for AS/400, but those releases are no longer supported and are not covered in this document.)

OnDemand for iSeries AnyStore Feature

The OnDemand for iSeries AnyStore feature provides Application Program Interfaces (APIs) which allow a user to store data into and retrieve data from OnDemand for iSeries. AnyStore data is handled similar to OnDemand for iSeries Spooled File Archive data in that:

- It can be retrieved using the report name, report date and up to five (5) user-defined searchable keys.
- It fits into the OnDemand for iSeries storage hierarchy.
- OnDemand Spooled File Archive commands can be used for administration of AnyStore objects.
- Security is available for report groups, reports, and optionally for individual key values.

AnyStore data is different from OnDemand for iSeries Spooled File archive data in that:

- It cannot be stored or retrieved using OnDemand report archive or retrieval commands.
- It can only be stored and retrieved via the AnyStore APIs.
- Data archived with AnyStore cannot be viewed using a 5250 display, you must use the OnDemand Client.
- AnyStore reports are always part of a report group.
- An AnyStore Report Definition can only be used to store AnyStore objects.

Ascent Capture

Ascent Capture, from Kofax, is a high-volume batch scanning and indexing application that lowers the cost of document capture by reducing the amount of manual labor involved in the image capture process. Ascent Capture consists of five basic modules:

- Scanning or Importing (includes document preparation and batch scanning)
- Image Cleanup and Optical Character Recognition (deskew, despeckle, destreak, deshade, line removal, black border removal, image filtering, and full-text or zonal OCR to assist indexing)
- Validation (assigning keywords or values to each document so they can be retrieved later from a database). This includes bar code recognition, with an appropriate PC adapter card. (Validation was known as Index in Ascent Capture V3)

- Rescanning (checking documents for readability and rescanning if necessary)
- Release (export of images and indexes to OnDemand for iSeries)

System Overview - Example

This solution is made up of several software and hardware components. It includes scanners, PCs, a Local Area Network and an iSeries. With all of these different pieces of software involved, the setup time for the first document type may appear to be a little long, but many of these setup activities are only done once, so subsequent document types can be setup more quickly.

Our example involves scanning in hospital patient documents, then using the following keys to retrieve the documents after they have been archived into OnDemand for iSeries:

- Encounter - A number representing a visit, or visits, to a hospital for a single illness
- Last Name - The last name of the patient
- History Number - A sequential number designating a single hospital visit by a patient
- Tab - The name of a file tab, like LAB or X-RAY
- Hospital - The name, or hospital number, of the hospital visited

The usual steps to capture and view a document image are:

1. Scan in a document using Ascent Capture at a workstation.
2. Enter the values for each of the keys (or indexes) for the scanned document using Ascent Capture.
3. Verify the key values are entered correctly using Ascent Capture.
4. Release the document images and the key values for each document (transfer them from the PC to the iSeries) using the OnDemand for iSeries AnyStore Integration Release program.
5. Archive the image into OnDemand for iSeries using the AnyStore monitor.
6. Use the OnDemand Client to view the image

Chapter 2. Setup Tasks - iSeries

Prerequisite Software

The following software is required and assumed to be installed prior to using this solution. Refer to product specific documentation for installation and setup.

- TCP/IP communications
- OnDemand for iSeries Base feature (product option *BASE)
- OnDemand for iSeries Spool File Archive feature (not Common Server; product option 1)
- OnDemand for iSeries AnyStore feature (product option 4)
- OnDemand for iSeries Server feature (product option 5)
- OnDemand Client
- IBM iSeries Access for Windows V5 (5722-XE1)
- OnDemand for iSeries Administrative Functions plug-in for iSeries Navigator
- Kofax Ascent Capture V5.0 or higher

Install Integration Software on iSeries

- Sign on to the system as QSECOFR
- If the *BASE option of product 5799GEQ has not been previously installed, then use the following command:

RSTLICPGM LICPGM(5799GEQ) DEV(TAPxx) OPTION(*BASE) ENDOPT(*LEAVE)

- (Note: TAPxx = your tape drive name)
- After the *BASE feature is installed, use the following command to install the AnyStore Integration Release Script feature:

RSTLICPGM LICPGM(5799GEQ) DEV(TAPxx) OPTION(3)

- After option 3 is installed you must install all the currently available PTFs for 5799GEQ *BASE and option 3. A list of PTFs is included in the information APAR II11458**.**

Remove Integration Software from iSeries

If you need to remove the Integration software for any reason, perform the following steps:

- Sign on to the system as QSECOFR.
- To remove the AnyStore Integration feature of the OnDemand Enhancements PRPQ, use the following command:

  DLTLICPGM LICPGM(5799GEQ) OPTION(3)

- If the *BASE option of product 5799GEQ is no longer required use the following command:

  DLTLICPGM LICPGM(5799GEQ) OPTION(*BASE)

OnDemand for iSeries AnyStore Setup

Two things must be defined within OnDemand for iSeries for the AnyStore environment:

- A Report Group
- A Report Definition

AnyStore Report Groups and Report Definitions can be creating using either of two methods.

1. The Report Administration Menu (from a 5250 session)
2. The OnDemand Archive plug-in (from iSeries Navigator)

The following pages will show both of the methods that can be used to create Report Groups and AnyStore Report Definitions.

Report Group Setup using the Report Administration Menu

The creation of a sample report group is shown on the following OS/400 screens:

```
MAIN                          OS/400 Main Menu

                                                    System:    RDR400M
Select one of the following:
     1. User tasks
     2. Office tasks
     3. General system tasks
     4. Files, libraries, and folders
     5. Programming
     6. Communications
     7. Define or change the system
     8. Problem handling
     9. Display a menu
    10. Information Assistant options
    11. Client Access/400 tasks

    90. Sign off

Selection or command
===> go ondemand
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F23=Set initial menu
```

Enter GO ONDEMAND from any command line to reach the OnDemand for iSeries main menu.

```
ONDEMAND                  OnDemand for AS/400

                                                    System: RDR400M
Select one of the following:

     1. Report Administration Menu
     2. Object Administration Menu
     3. Record Archive Menu
     4. Media Administration Menu

    90. Sign off




Selection or command
===> 1
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F16=System Main Menu
```

Select Option 1 from the main OnDemand for iSeries Menu and press enter.

```
RDARSRPT        OnDemand Report Administration Menu

                                                        System: RDR400M
Select one of the following:

     1. Retrieve Reports
     2. Work with Report Collections
     3. Work with Report Overlays
     4. Work with Report Definitions
     5. Work with Report Groups

    10. Edit/Authorize OnDemand Users
    11. Edit/Authorize OnDemand Report Users
    12. Edit/Authorize OnDemand Report Group Users
    13. Work with Key Security

    20. Report Definition Menu
    21. Report Utility Menu
                                                                More...
Selection or command
===> 5
_____________________________________________________________________
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F16=System Main Menu
```

At the OnDemand Report Administration Menu select option 5, Work with Report Groups and press enter.

```
              Work with Admin for OnDemand (WRKADMRDAR)

Type choices, press Enter.

Administrator function . . . > *RPTGRP     *REPORT,*RPTGRP,*RPTOVL…
Report group . . . . . .   *ALL        Name,generic*,*ALL…









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

Leave the Report Group set to *ALL and press enter.

```
                          Work with Report Groups              RDR400M
                                                          8/28/03  09:30:49

 Type options, press Enter.

 1=Create    2=Change    3=Copy    4=Delete    5=Display
 Opt Group       Text
  1  ANYSKOFAX
  _  NAOANYSGRP  NAO's report group









                                                                   Bottom
F3=Exit   F5=Refresh   F12=Cancel
```

To create a new report group, enter a 1 in the option field and enter your report name (in this example ANYSKOFAX) in the Group Name field and press enter.

```
                    Create Report Group - Description          RDR400M
                                                          8/28/03  09:35:03
 Type choices, press Enter.

 Group . . . . . .  ANYSKOFAX   Name
 Group abbreviation . . . . . .  KOF
 Text . . . . . .  Kofax/AnyStore Group Definition









 F3=Exit   F12=Cancel
```

Define the characteristics of the report group:

- Enter any 3 character abbreviation (in this example KOF) in the group abbreviation field.
- Enter a text description for this group, such as “Kofax/AnyStore Group Definition”
- Press the Enter key.

```
                     Create Report Group - Keys            RDR400M
                                                  8/28/03  09:40:20
Group  . . . . . . . . . . . . . . . :   ANYSKOFAX

Type choices, press Enter.

Key 1 group name . . . . . . . . . .   Encounter_______
  Length . . . . . . . . . . . . . .     25          1-25
  Minimum search characters  . . . .     1__    1-25
  Key security . . . . . . . . . . .     N       Y=Yes, N=No

Key 2 group name . . . . . . . . . .   History #____
  Length . . . . . . . . . . . . . .     20__   1-20,   0=Not used
  Minimum search characters  . . . .     1__    0-20
  Key security . . . . . . . . . . .     N      Y=Yes, N=No

Key 3 group name . . . . . . . . . .   Last Name____
  Length . . . . . . . . . . . . . .     20__   1-20,   0=Not used
  Minimum search characters  . . . .     1__    0-20
  Key security . . . . . . . . . . .     N       Y=Yes, N=No
                                                          More...
F3=Exit   F12=Cancel
```

Next, there may be up to five key fields, or indexes, defined for retrieving your AnyStore data. In this example use the key fields shown above.

The first three key fields appear on this screen. To reach the next two key fields, press the page down key.

```
                     Create Report Group - Keys            RDR400M
                                                  8/28/03  09:47:10
Group  . . . . . . . . . . . . . . . :  ANYSKOFAX

Type choices, press Enter.

Key 4 group name . . . . . . . . . .  Tab_____________
  Length . . . . . . . . . . . . . .    20__   1-20,   0=Not used
  Minimum search characters  . . . .     1__   0-20
  Key security . . . . . . . . . . .     N     Y=Yes,N=No

Key 5 group name . . . . . . . . . .  Hospital
  Length . . . . . . . . . . . . . .    15__   1-15,   0=Not used
 Minimum search characters  . . . . .    1__   0-15
  Key security . . . . . . . . . . .     N     Y=Yes,N=No

                                                          Bottom
F3=Exit   F12=Cancel
```

Here, sample key fields four and five are defined.

All five key fields are defined in the example. A minimum of one key field is required.

After filling in the desired key fields, press the Enter key.

```
                        Work with Report Groups              RDR400M
                                                    8/28/03  09:55:13
Type options, press Enter.
1=Create    2=Change    3=Copy    4=Delete    5=Display
Opt Group       Text
 _  __________
 _  NAOANYSGRP  NAO's report group









                                                                Bottom
F3=Exit   F5=Refresh   F12=Cancel
Report group created, F5 for Refresh.
```

A message is displayed indicating that the group definition is being created.

After the definition is created, the Work with Report Groups Screen is redisplayed, as shown above. To verify that the report group has been created, press F5 to refresh the list. The refreshed list appears below.

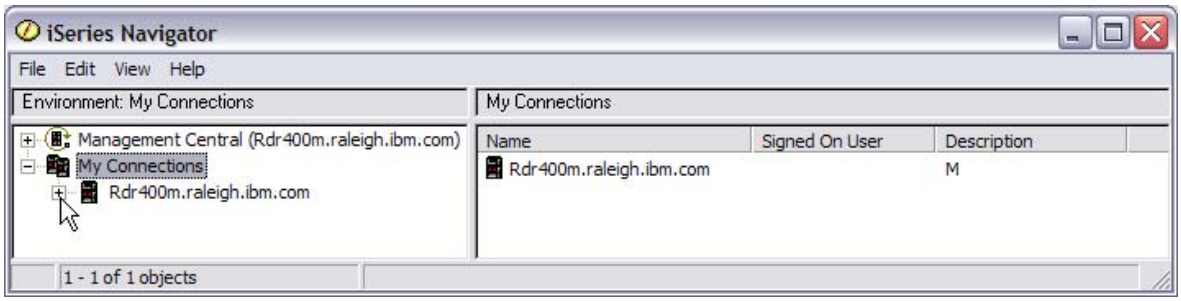
To exit the Work with Report Groups display, press the F3 key.

```
                        Work with Report Groups              RDR400M
                                                    8/28/03  09:55:13
Type options, press Enter.
1=Create    2=Change    3=Copy    4=Delete    5=Display
Opt Group       Text
_  __________
_  ANYSKOFAX   Kofax/AnyStore Group Definition
_  NAOANYSGRP  NAO's report group









                                                                Bottom
F3=Exit   F5=Refresh   F12=Cancel
```

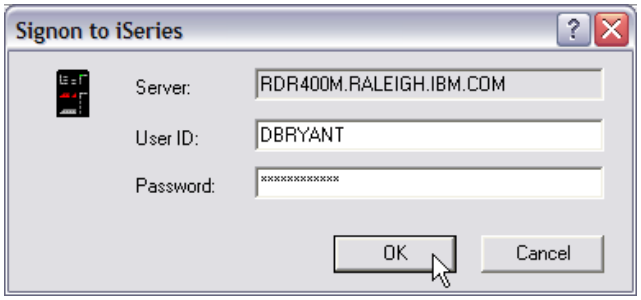
Report Group Setup using iSeries Navigator

Click on Start > Programs > IBM iSeries Access for Windows > iSeries Navigator

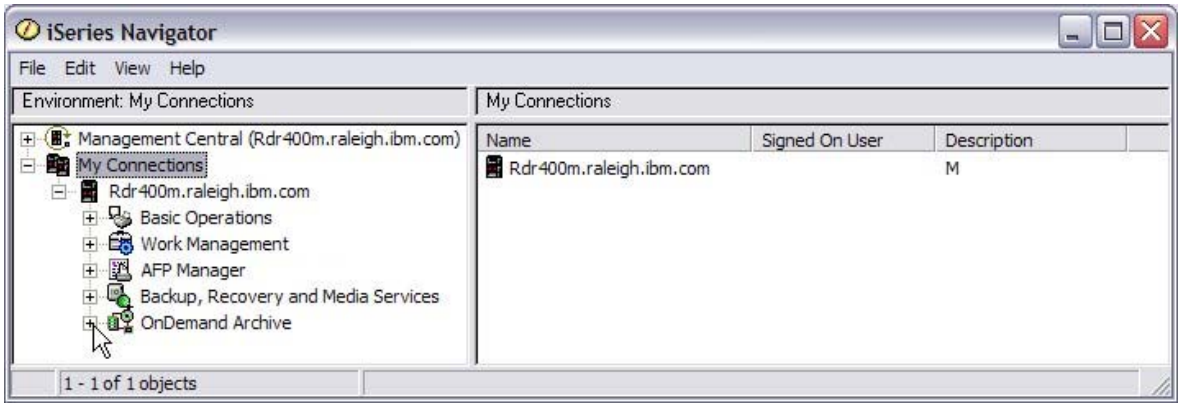
You should see an iSeries Navigator window, similar to the one shown below. Click on the '+' sign in front of the iSeries connection name.



Enter your user id and password and click OK.

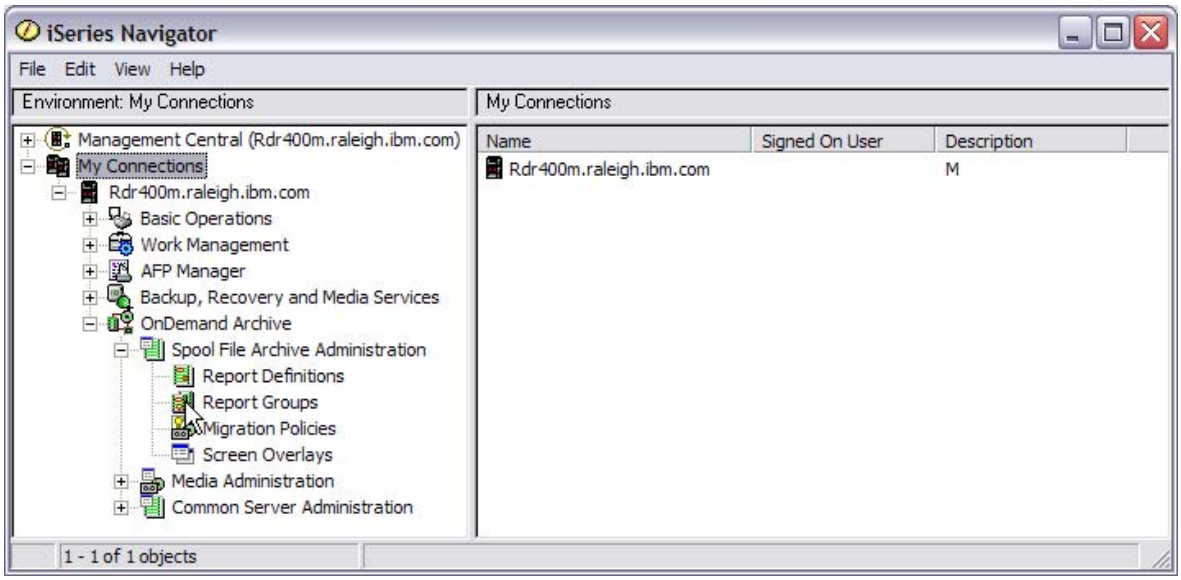


Click on the '+' sign in front of OnDemand Archive.

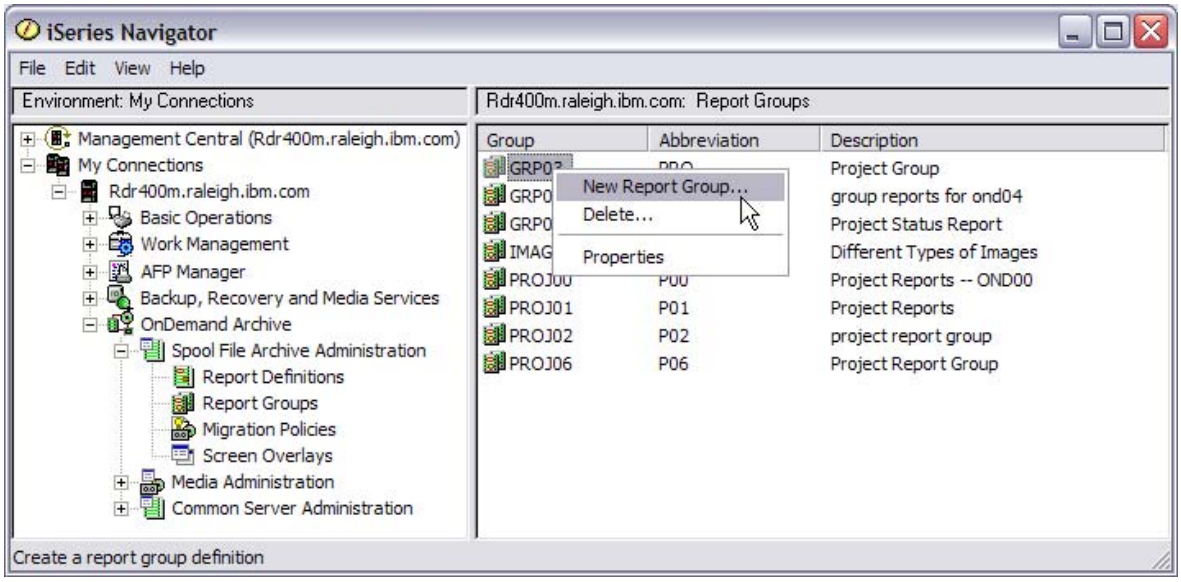


Click on the '+' sign in front of Spool File Archive Administration.

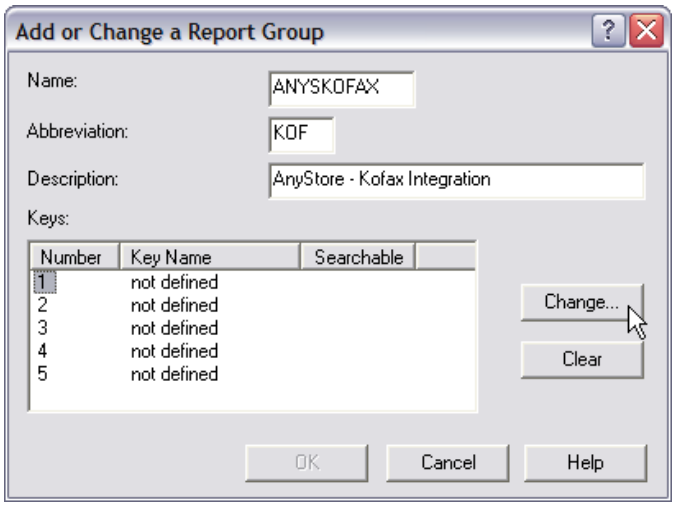
Click on Report Groups, the right panel of the screen will be updated with of list of OnDemand report groups.



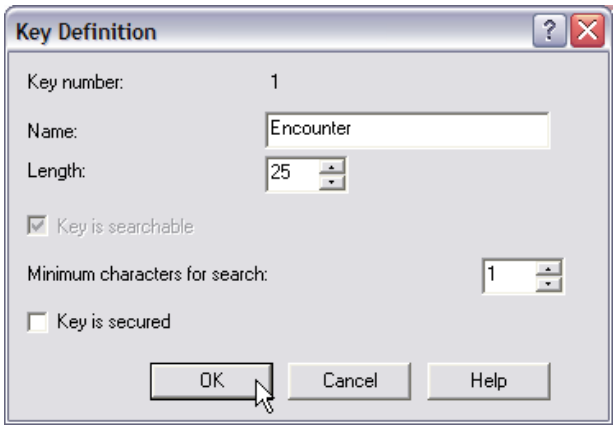
Right click on one of the report groups listed, as shown below, and select **New Report Group**.



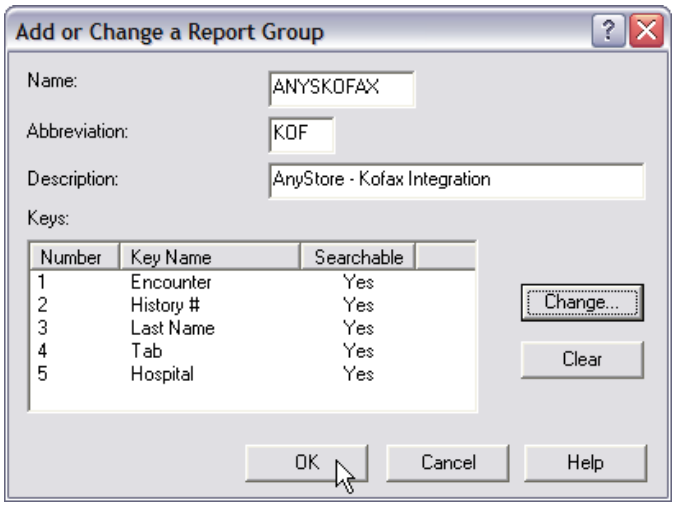
Enter the name of the report group, the group abbreviation, and a description. In this example, you use ANYSKOFAX as the Name and KOF as the Abbreviation. Click on Key Number 1 and then click on the Change button.



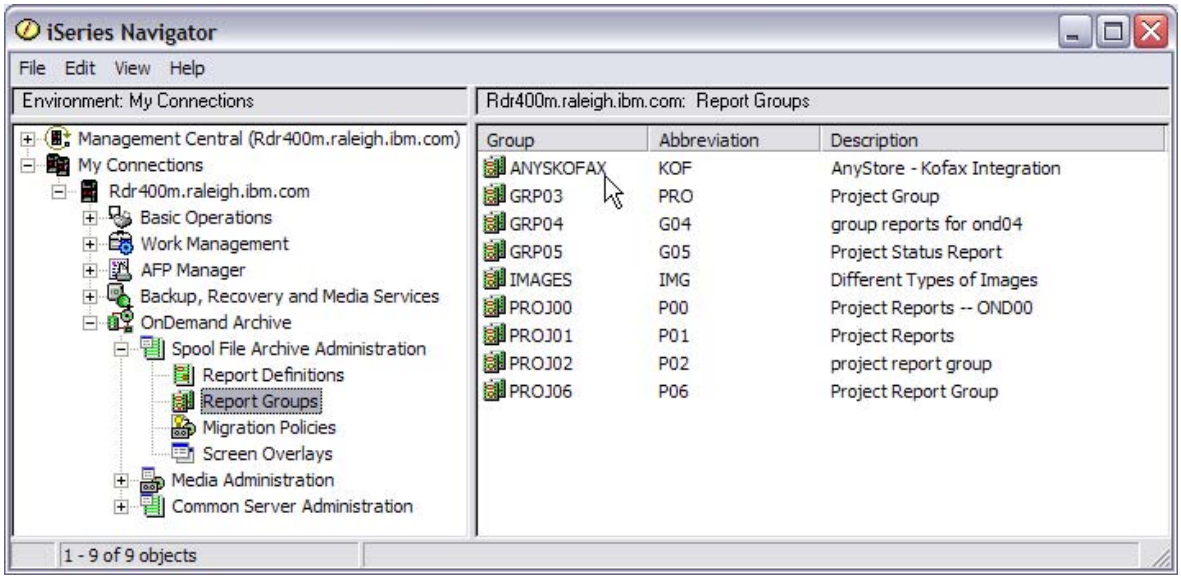
Complete the key definition information as shown below and click on OK.



Repeat this process to define keys 2-5 using the same key names and attributes as described on page 80. When finished, the window should look like the display below:



After defining all the keys, click on OK. Press F5 to refresh the list of report groups. The new ANYSKOFAX report group now appears in the report group list.



Report Definition Setup using the Report Administration Menu

Signon to the System using a User ID which is an OnDemand Administrator.

```
MAIN                          OS/400 Main Menu
                                                        System:   RDR400M
Select one of the following:
    1. User tasks
    2. Office tasks
    3. General system tasks
    4. Files, libraries, and folders
    5. Programming
    6. Communications
    7. Define or change the system
    8. Problem handling
    9. Display a menu
   10. Information Assistant options
   11. Client Access/400 tasks

   90. Sign off

Selection or command
===> go ondemand
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F23=Set initial menu
```

Enter GO ONDEMAND

```
ONDEMAND                   OnDemand for AS/400
                                                        System:   RDR400M
Select one of the following:

    1. Report Administration Menu
    2. Object Administration Menu
    3. Record Archive Menu
    4. Media Administration Menu

   90. Sign off









Selection or command
===> 1
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F16=System Main Menu
```

Select menu option 1, Report Administration Menu, and press Enter.

```
RDARSRPT        OnDemand Report Administration Menu

                                                          System:  RDR400M
Select one of the following:

    1. Retrieve Reports
    2. Work with Report Collections
    3. Work with Report Overlays
    4. Work with Report Definitions
    5. Work with Report Groups

   10. Edit/Authorize OnDemand Users
   11. Edit/Authorize OnDemand Report Users
   12. Edit/Authorize OnDemand Report Group Users
   13. Work with Key Security

   20. Report Definition Menu
   21. Report Utility Menu
                                                                   More...
Selection or command
===> 4
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F16=System Main Menu
```

Select menu option 4, Work with Report Definitions, and press Enter.

```
                Work with Admin for OnDemand (WRKADMRDAR)


Type choices, press Enter.

Administrator function . . > *REPORT    *REPORT, *RPTGRP, *RPTOVL...
Report name  . . . . . .   *ALL        Name, generic*, *ALL...









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

Leave the *ALL default value and press Enter.

```
                      Work with Report Definitions            RDR400M
                                                          8/28/03  12:56:43

Type options, press Enter.
  1=Create    2=Change    3=Copy    4=Delete    5=Display

Opt Report     Version Type Text
 1  ANYSKOFAXR    01
 _  ALPHAPAGE     01   PAGE Page report with alpha keys
 _  CHECKST       01   DOC  Check Statements (OnDemand Sample)
 _  CHECKSTMTS    01   DOC  Check Statements (OnDemand Sample)
 _  CHECKS00      01   DOC  OND00 Checking Statements
 _  CHECKS02      01   DOC  OND02 Checking Statements
 _  CHECKS04      01   DOC  OND04 Checking Statements
 _  CHECKS05      01   DOC  OND05 Checking Statements
 _  CHECKS06      01   DOC  OND06 Checking Statements
 _  CHECKS07      01   DOC  OND07 Checking Statements
 _  CHECKS10      01   DOC  OND10 Checking Statements
 _  CHECKS11      01   DOC  OND11 Checking Statements
 _  CHECK03       01   DOC  Check Statements for OND03
                                                                   More...
F3=Exit  F5=Refresh  F12=Cancel
```

Enter a 1 in the option field, and your report name and version (for this example ANYSKOFAXR in the report field and 01 in the version field) and press Enter to begin creating the report definition.

```
               Create Report Definition - Environment         RDR400M
                                                          8/28/03  13:58:27

 Type choices, press Enter.

Report   . . . . . .  ANYSKOFAXR    Name
Version  . . . . . .  01            01-99
Report type  . . . .  ANYS          DOC, PAGE
                                    NODX, UBND
Input record length  . . . . . .  ___           20-256
Policy name  . . . . . . . . . .  D90OPTICAL    Name
Report overlay . . . . . . . . .  ____________  Name
Report data type . . . . . . . .  *IFS          *SCS, *AFPDS
                                               *OTHER...
Report group . . . . . . . . . .  ANYSKOFAX     Name
Translate print control  . . . .  N             Y=Yes, N=No
Printer file . . . . . . . . . .  __________    Name
  Library . . . . . . . . . . .    *LIBL
Text . . . . . . . . . . . . . .  AnyStore - Kofax Images
_____________________
Compression  . . . . . . . . . .  N             Y=Yes, N=No
Posting date type  . . . . . . .  __
                                                          More...
F3=Exit   F12=Cancel
```

Fill in the information as shown above and press the Page Down key.

```
            Create Report Definition - Environment          RDR400M
                                                        8/28/03  14:26:23
Type choices, press Enter.

Bypass report results display  . . .   N            Y=Yes, N=No
Bypass document results display  . .   N            Y=Yes, N=No
Search all sequence numbers  . . . .   Y            Y=Yes, N=No
Input exit . . . . . . . . . . . . .   __________   Name
 Library . . . . . . . . . . . . . .   *LIBL
Index exit . . . . . . . . . . . . .   __________   Name
 Library . . . . . . . . . . . . . .   *LIBL
Viewer exit  . . . . . . . . . . . .   __________   Name
 Library . . . . . . . . . . . . . .   *LIBL

Object Class . . . . . . . . . . . .   ________6     0-9999



                                                                  Bottom
F3=Exit   F12=Cancel
```

Set the Object Class to 6 (TIFF) and press the Field Exit key. Then press the Enter key.

```
                 Create Report Definition - Keys              RDR400M
                                                        8/28/03  14:36:19
Report/Version . . . . . . . . . . . . . . . :   ANYSKOFAXR / 01

Type choices, press Enter.

  Key 1 name . . . . . . . . . . . . .   Encounter______
  Length . . . . . . . . . . . . . . .   _25          1-25
  Minimum search characters  . . . . .   __1          1-length
  Location:
    Column . . . . . . . . . . . . . .   __0          0-255
    Line . . . . . . . . . . . . . . .   __0          0-256
    -OR-
    Pivot value . . . . . . . . . . .    _________________
      Length . . . . . . . . . . . . .       __0        0-16
      Column . . . . . . . . . . . . .       __0        0-255
      +- line offset . . . . . . . . .       __0        -255-256

  Lower case key . . . . . . . . . . .   N            Y=Yes, N=No
  Key security . . . . . . . . . . . .   N            Y=Yes, N=No
  Multi-key  . . . . . . . . . . . . .   N            Y=Yes, N=No
                                                                  More...
F3=Exit   F12=Cancel
```

Define Key 1 as shown above for this example and press the Page Down key.

```
                Create Report Definition - Keys              RDR400M
                                                        8/28/03  14:36:19
Report/Version . . . . . . . . . . . . . . . :   ANYSKOFAXR / 01

Type choices, press Enter.

  Key 2 name . . . . . . . . . . . . .   History #
  Length . . . . . . . . . . . . . . .   20        1-20, 0=Not used
  Minimum search characters  . . . . .   1         0-length
  Location:
   Column . . . . . . . . . . . . . .   0         0-255
   Line . . . . . . . . . . . . . . .   0         0-256
   -OR-
   Pivot value  . . . . . . . . . . .   ________________
     Length . . . . . . . . . . . . .     0       0-16
     Column . . . . . . . . . . . . .     0       0-255
     +- line offset . . . . . . . . .     0       -255-256

  Lower case key . . . . . . . . . . .   N         Y=Yes, N=No
  Key security . . . . . . . . . . . .   N         Y=Yes, N=No
  Multi-key  . . . . . . . . . . . . .   N         Y=Yes, N=No
                                                              More...
F3=Exit   F12=Cancel
```

Define Key 2 as shown above and press the Page Down key.

```
                Create Report Definition - Keys              RDR400M
                                                        8/28/03  14:36:19
Report/Version . . . . . . . . . . . . . . . :   ANYSKOFAXR / 01

Type choices, press Enter.

  Key 3 name . . . . . . . . . . . . .   Last Name
  Length . . . . . . . . . . . . . . .   20        1-20, 0=Not used
  Minimum search characters  . . . . .   1         0-length
  Location:
   Column . . . . . . . . . . . . . .   0         0-255
   Line . . . . . . . . . . . . . . .   0         0-256
   -OR-
   Pivot value  . . . . . . . . . . .   ________________
     Length . . . . . . . . . . . . .     0       0-16
     Column . . . . . . . . . . . . .     0       0-255
     +- line offset . . . . . . . . .     0       -255-256

  Lower case key . . . . . . . . . . .   N         Y=Yes, N=No
  Key security . . . . . . . . . . . .   N         Y=Yes, N=No
  Multi-key  . . . . . . . . . . . . .   N         Y=Yes, N=No
                                                              More...
F3=Exit   F12=Cancel
```

Define Key 3 as shown above and press the Page Down key.

```
                Create Report Definition - Keys             RDR400M
                                                      8/28/03  14:36:19
Report/Version . . . . . . . . . . . . . . . :   ANYSKOFAXR / 01

Type choices, press Enter.

  Key 4 name . . . . . . . . . . . . .   Tab
  Length . . . . . . . . . . . . . . .   20        1-20, 0=Not used
  Minimum search characters  . . . . .   1         0-length
  Location:
    Column . . . . . . . . . . . . . .   0         0-255
    Line . . . . . . . . . . . . . . .   0         0-256
    -OR-
    Pivot value  . . . . . . . . . . .
      Length . . . . . . . . . . . . .       0     0-16
      Column . . . . . . . . . . . . .       0     0-255
      +- line offset . . . . . . . . .       0     -255-256

  Lower case key . . . . . . . . . . .   N         Y=Yes, N=No
  Key security . . . . . . . . . . . .   N         Y=Yes, N=No
  Multi-key  . . . . . . . . . . . . .   N         Y=Yes, N=No
                                                              More...
F3=Exit   F12=Cancel
```

Define Key 4 as shown above and press the Page Down key.

```
                Create Report Definition - Keys             RDR400M
                                                      8/28/03  14:36:19
Report/Version . . . . . . . . . . . . . . . :   ANYSKOFAXR / 01

Type choices, press Enter.

  Key 5 name . . . . . . . . . . . . .   Hospital
  Length . . . . . . . . . . . . . . .   15        1-20, 0=Not used
  Minimum search characters  . . . . .   1         0-length
  Location:
    Column . . . . . . . . . . . . . .   0         0-255
    Line . . . . . . . . . . . . . . .   0         0-256
    -OR-
    Pivot value  . . . . . . . . . . .
      Length . . . . . . . . . . . . .       0     0-16
      Column . . . . . . . . . . . . .       0     0-255
      +- line offset . . . . . . . . .       0     -255-256

  Lower case key . . . . . . . . . . .   N         Y=Yes, N=No
  Key security . . . . . . . . . . . .   N         Y=Yes, N=No
  Multi-key  . . . . . . . . . . . . .   N         Y=Yes, N=No
                                                              More...
F3=Exit   F12=Cancel
```

Define Key 5 as shown above and press the Enter key.

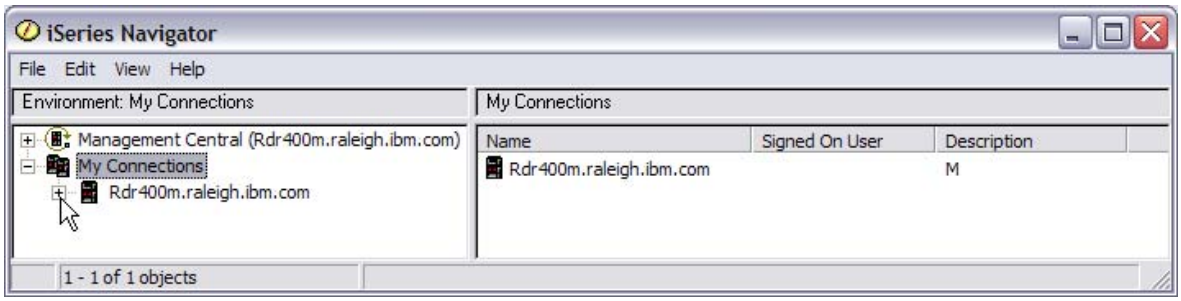
```
                      Work with Report Definitions            RDR400M
                                                    8/28/03  12:56:43

Type options, press Enter.
  1=Create    2=Change    3=Copy    4=Delete    5=Display

Opt Report     Version Type Text
 _  __________    __
 _  ALPHAPAGE     01   PAGE Page report with alpha keys
 _  ANYSKOFAXR    01   ANYS AnyStore - Kofax Images
 _  CHECKST       01   DOC  Check Statements (OnDemand Sample)
 _  CHECKSTMTS    01   DOC  Check Statements (OnDemand Sample)
 _  CHECKS00      01   DOC  OND00 Checking Statements
 _  CHECKS02      01   DOC  OND02 Checking Statements
 _  CHECKS04      01   DOC  OND04 Checking Statements
 _  CHECKS05      01   DOC  OND05 Checking Statements
 _  CHECKS06      01   DOC  OND06 Checking Statements
 _  CHECKS07      01   DOC  OND07 Checking Statements
 _  CHECKS10      01   DOC  OND10 Checking Statements
 _  CHECKS11      01   DOC  OND11 Checking Statements
                                                              More...
F3=Exit  F5=Refresh  F12=Cancel
```

Press the F5 key to see a refreshed list of Report Definitions, including the new ANYSKOFAXR report definition.

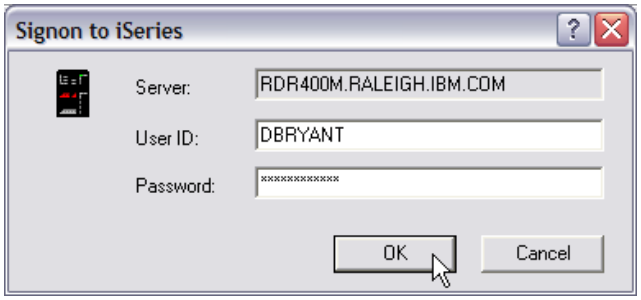
Report Definition Setup using iSeries Navigator

Click on Start > Programs > IBM iSeries Access for Windows > iSeries Navigator

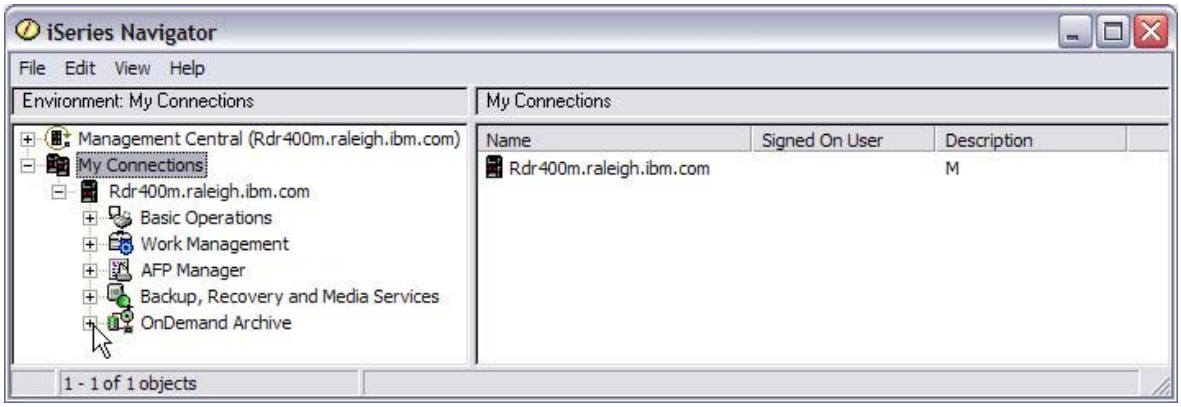
You should see an iSeries Navigator window, similar to the one shown below. Click on the '+' sign in front of the iSeries connection name.



Enter your user id and password and click OK.

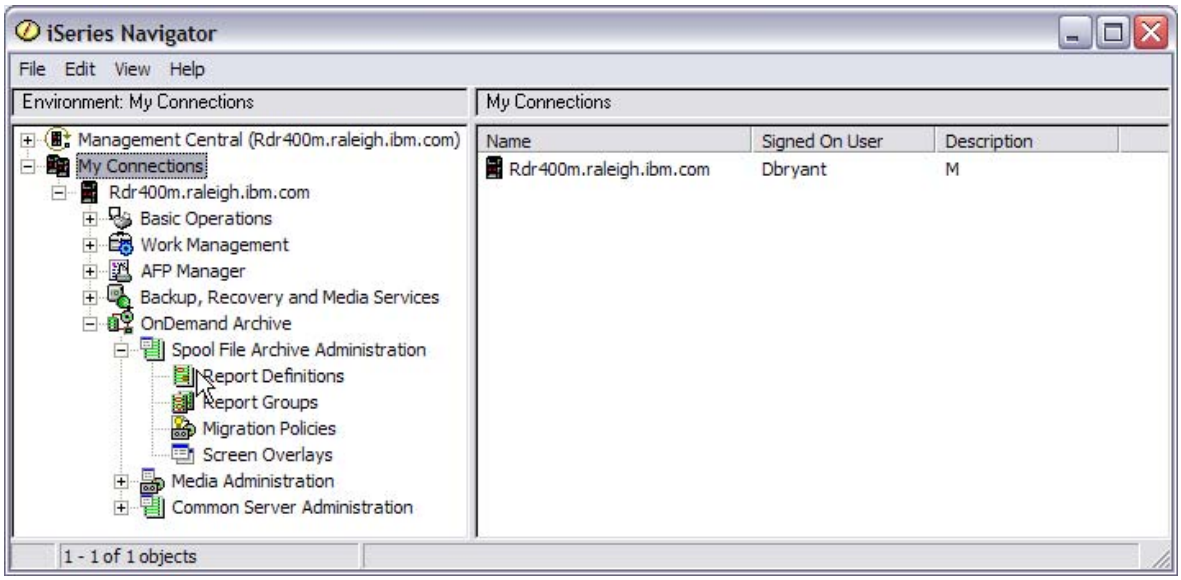


Click on the '+' sign in front of OnDemand Archive.

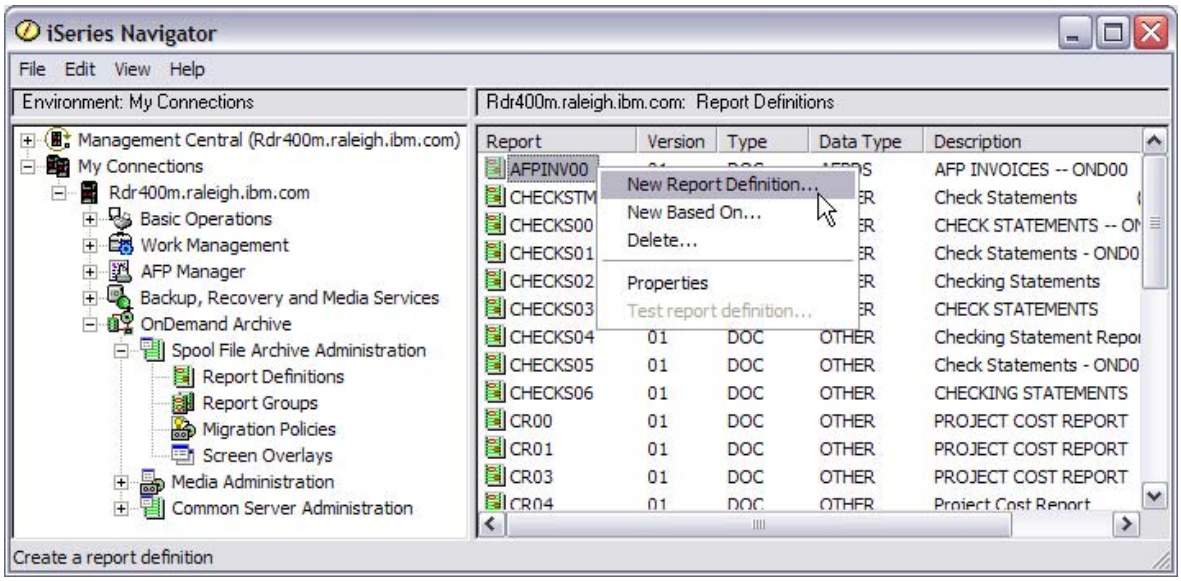


Click on the '+' sign in front of Spool File Archive Administration.

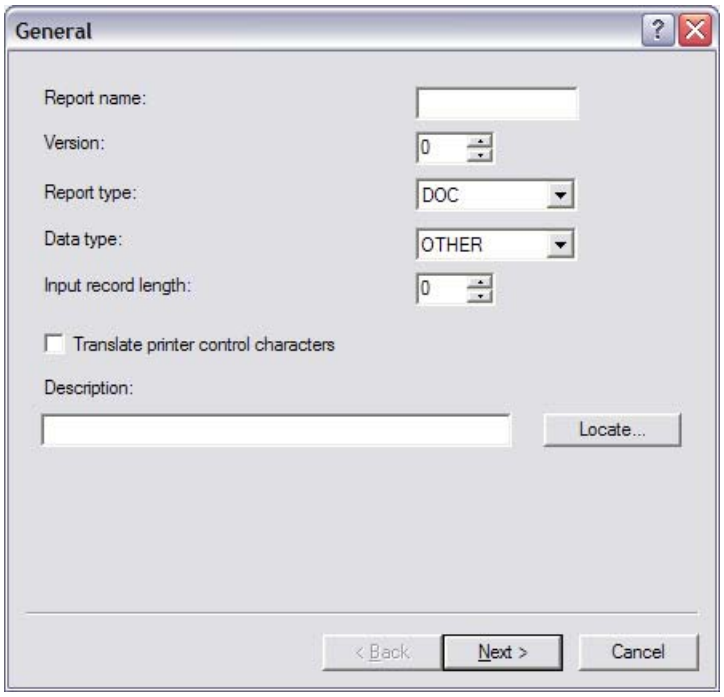
Click on Report Definitions, the right panel of the window will be updated with of list of OnDemand report definitions.



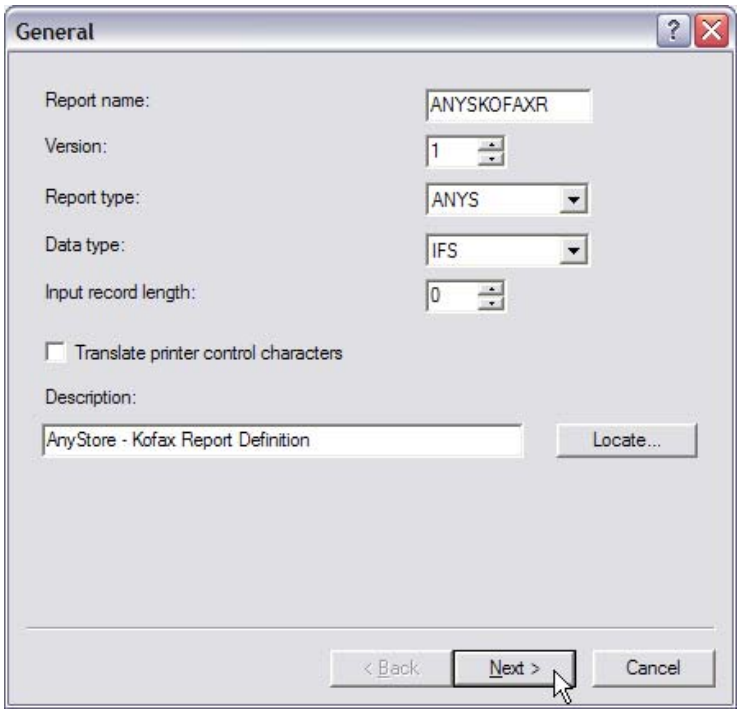
Right click on one of the report definitions, as shown below, and select **New Report Definition** from the context menu.



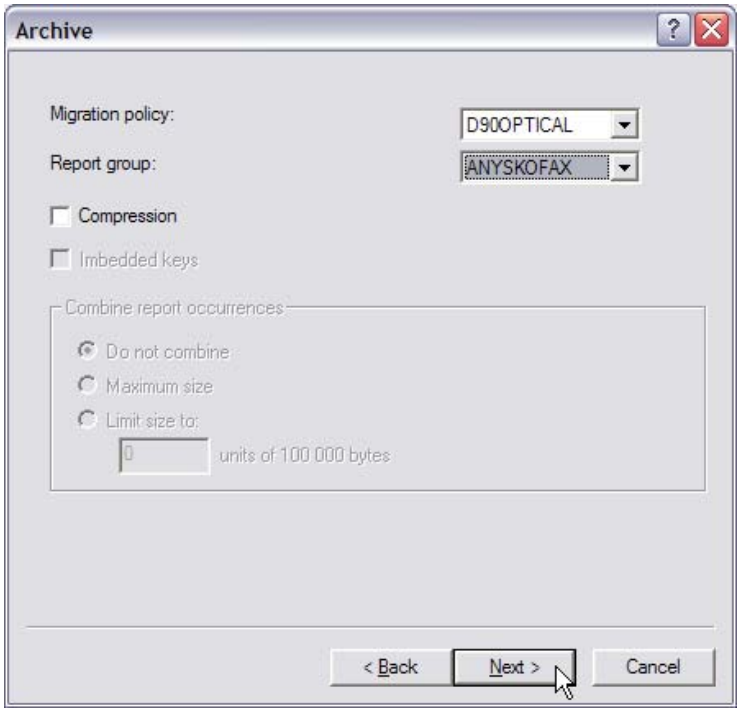
The window shown below will be displayed to begin creating the report definition.



Enter the report definition information as shown below:

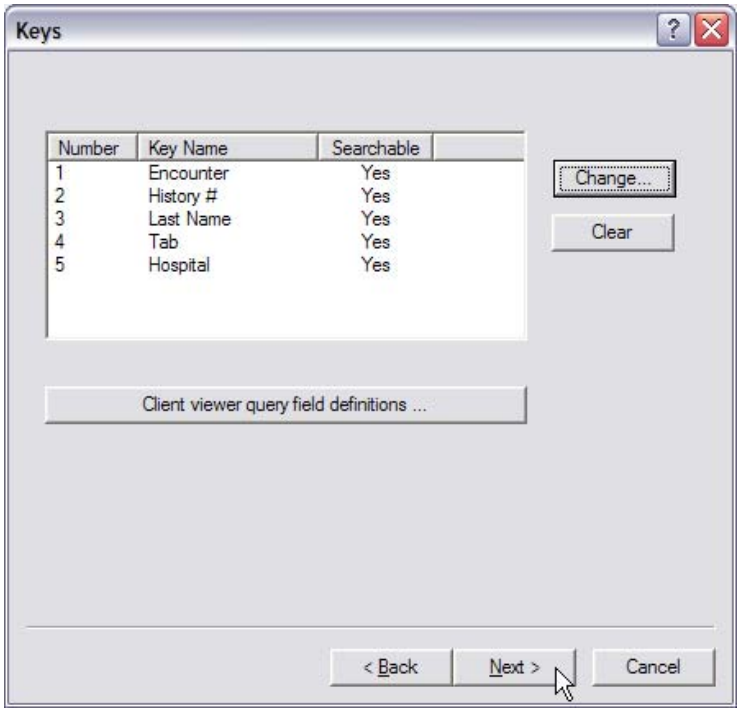


Click on the Next button.

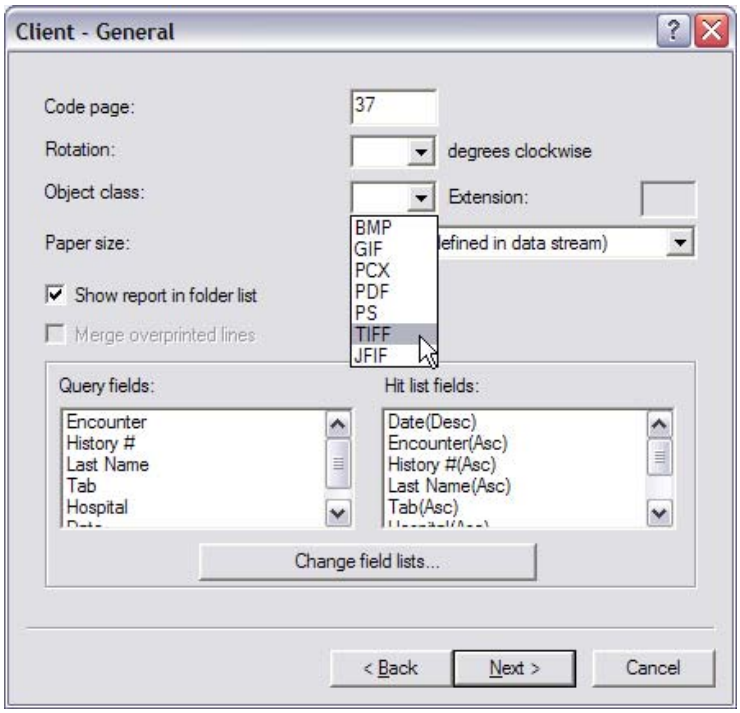


Select a migration policy, then select the report group created earlier in this chapter. **DO NOT** select compression, since Ascent Capture normally stores images in compressed TIFF. If you select compression, OnDemand processing times will increase when storing and retrieving these images and, in most cases, compressing an already compressed image causes it to increase in size, not decrease.

Click on the Next button to display the Retrieval dialog (not pictured). The defaults are fine, so click on the Next button to display the Exits dialog (not pictured). The defaults are fine here, since you will not be using a Viewer Exit Program, so click on the Next button to display the Keys dialog. All the key definitions should be copied over from the Report Group. If they are not, enter the key definitions now by clicking on the key number and then on the Change button. Use the same key names and attributes as described on page 0.

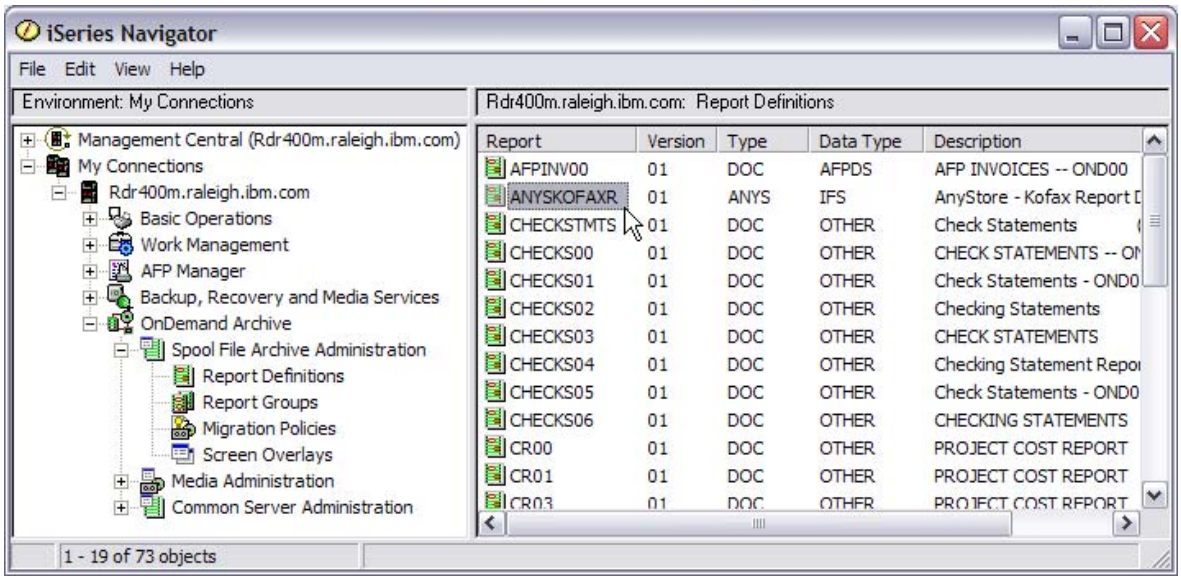


After all the keys have been defined, click on the Next button to display the Client - General dialog.



Select TIFF as the object class, the click on the Next button to reach the Client - Public Views dialog, then click on the Finish button to create the report definition.

Press the F5 key to refresh the list of report definitions.



The new ANYSKOFAXR report definition now appears in the report definitions list.

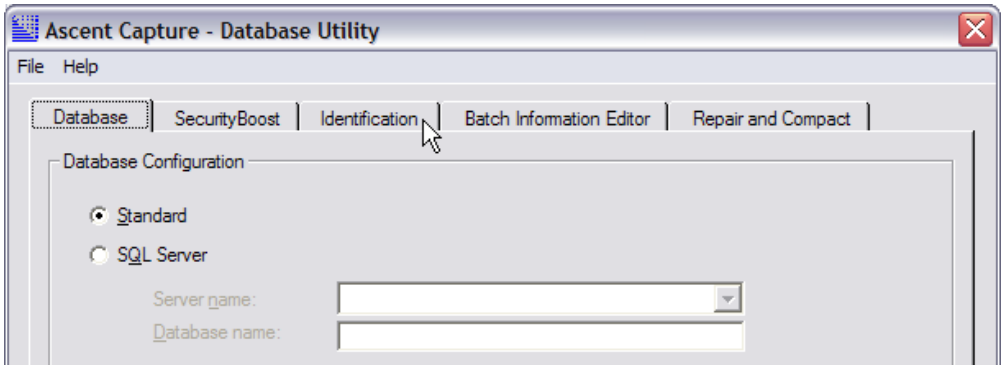
Creating an Image IFS Subdirectory

During the installation of the 5799GEQ product, an IFS directory is created on the iSeries called ASCENT, which is the \ASCENT directory when viewed from a Client PC. Any IFS directory can be used, but it must match the subdirectory specified in the Ascent Capture Release Setup image directory field.

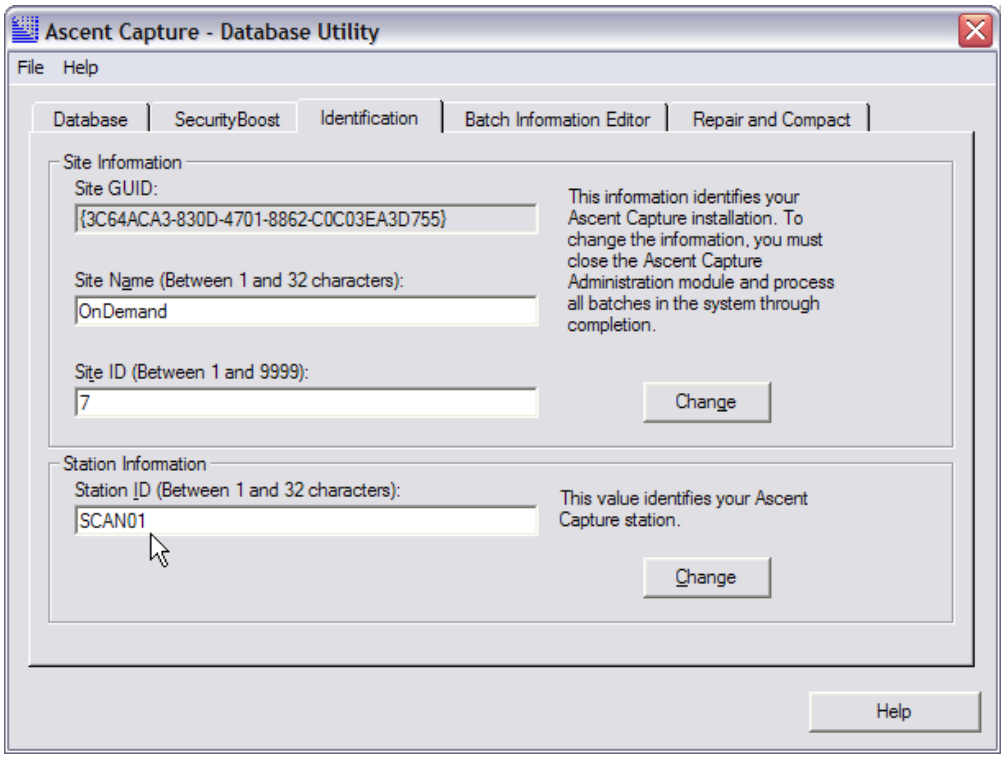
Multiple Scan/Release Workstations

To have multiple Scan/Release workstations, each workstation **MUST** place its images into a separate iSeries directory. It is recommended that a subdirectory be created for each Scan/Release workstation under the ASCENT directory, using the Ascent Capture Workstation ID as the directory name.

To determine your Ascent Capture Workstation ID, run the Ascent Capture Database Utility, DBUtil.exe. This program is located in the directory C:\Program Files\Ascent\Bin.



After the Database Utility window opens, click on the *Identification* tab.



The identification tab allows you to view, and change if necessary, the Site Name, Site ID, and Station ID.

To create image directories for two different Scan/Release workstations, called SCAN01 and SCAN02, use the following OS/400 commands:

MKDIR DIR('/ASCENT/SCAN01') DTAAUT(QRDARS400) OBJAUT(*NONE)

MKDIR DIR('/ASCENT/SCAN02') DTAAUT(QRDARS400) OBJAUT(*NONE)

The data authority parameter **MUST** be used to secure access to the ASCENT folders to only authorized OnDemand for iSeries users. The QRDARS400 authorization list is used by OnDemand for iSeries to specify who has access to OnDemand archived objects. Each OnDemand for iSeries user should be added to the QRDARS400 authorization list using the RDARSRPT menu, option 10.

For further information about OnDemand for iSeries security, look in Chapter 4 of the *OnDemand for iSeries Installation Guide,* SC41-5333.

Chapter 3. Setup Tasks - Workstation

The following instructions describe a Standalone implementation of Ascent Capture in which the Server and all Queues are installed and operated from the same PC. Instructions for expanding the implementation to a Server PC with separate client PCs for each processing Queue are included in *Getting Started with Ascent Capture*.

Prerequisite Software

The following software is required on the workstation. Refer to product specific documentation for installation and setup.

- Microsoft Windows 98/2000/XP
- IBM iSeries Access V5 (5722-XE1)
- Kofax Ascent Capture V5.0 or higher

Install and Setup Integration Software on the Workstation

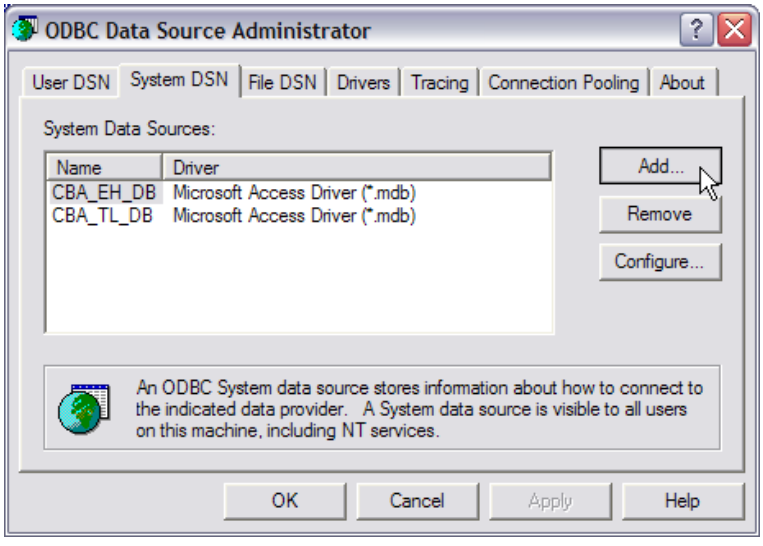
Create an iSeries Connection using iSeries Access

Create a connection to the iSeries. The connection is communication protocol independent.

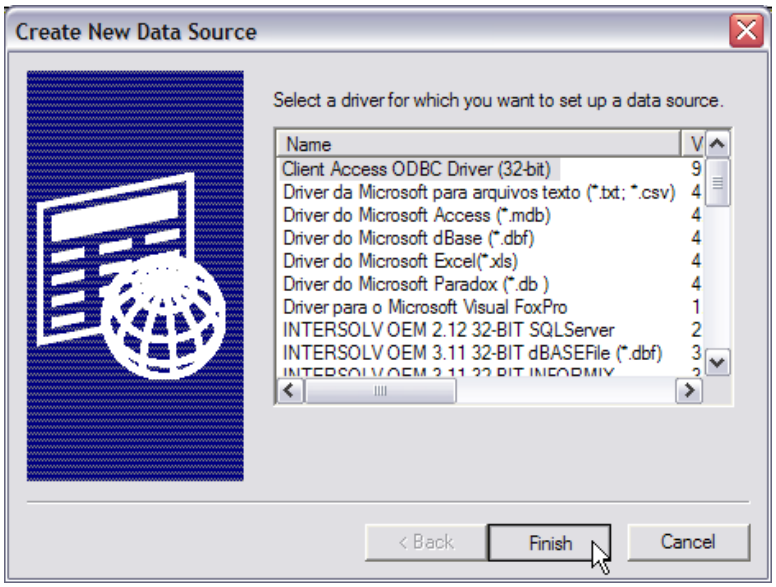
Create an ODBC Data Source

Perform the following steps to create an ODBC Data Source: **Note:** The windows shown in this example are from iSeries Access V5R2 and Microsoft Windows XP. Other versions of Client Access and Windows will be similar.

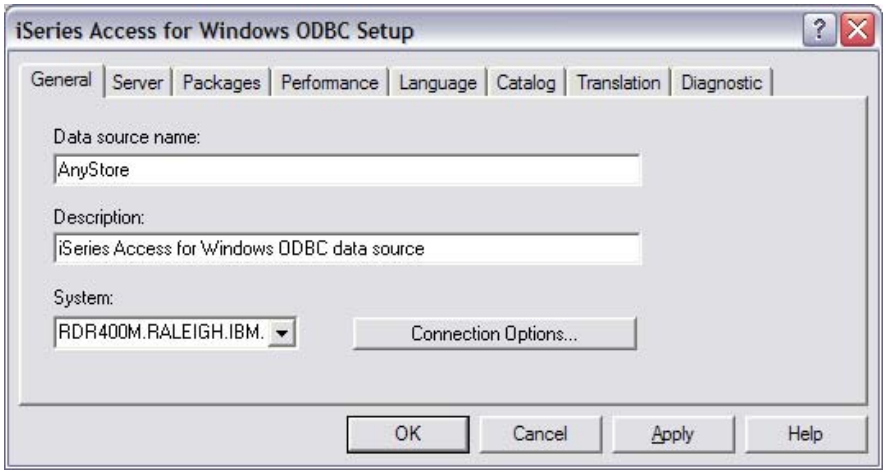
- Click on Start > Control Panel > Administrative Tools
- Double click on the Data Sources (ODBC) icon.
- From the System DSN tab, click on the Add button.



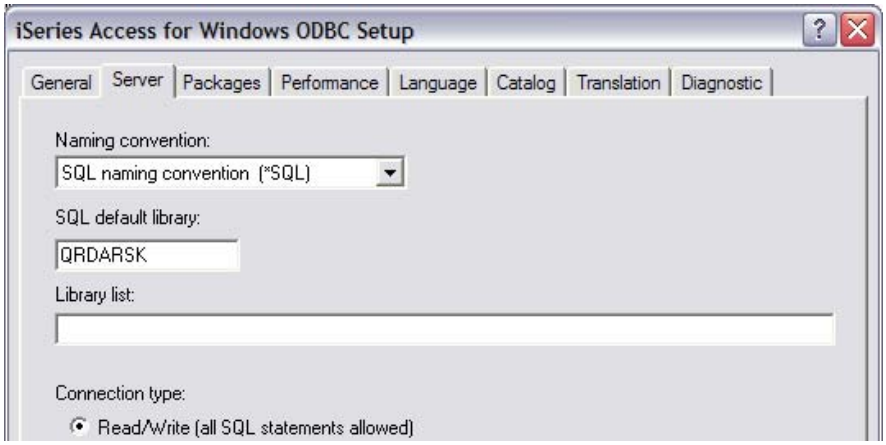
- From the list, select Client Access ODBC Driver (32 bit), then click on Finish.



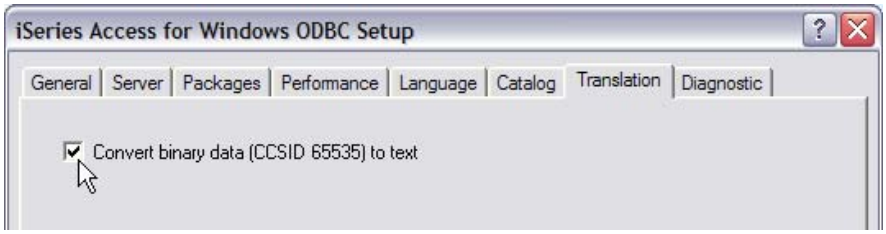
- Type a Data Source name (in this example: AnyStore) and description. Select your iSeries System - RDR400M in this example



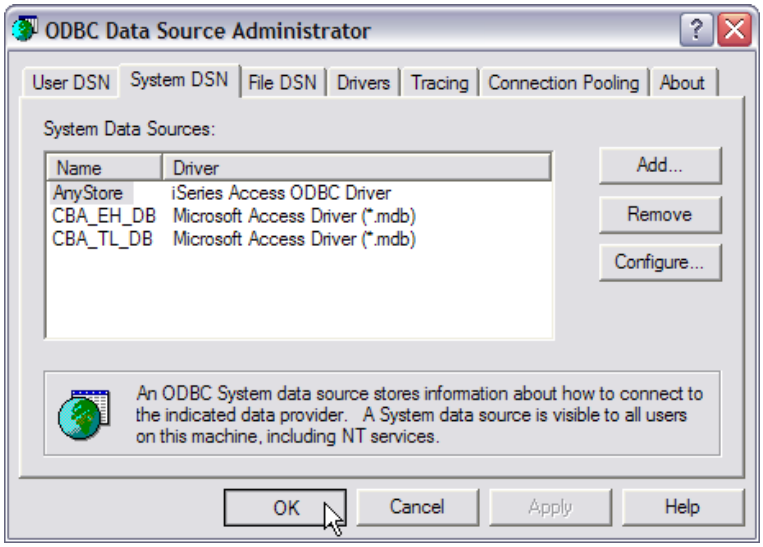
- Click on the Server tab and type QRDARSK as the default library.



- Click on the Translation tab and select the checkbox for *Convert binary data (CCSID 65535) to text*.



- Click on OK to save.

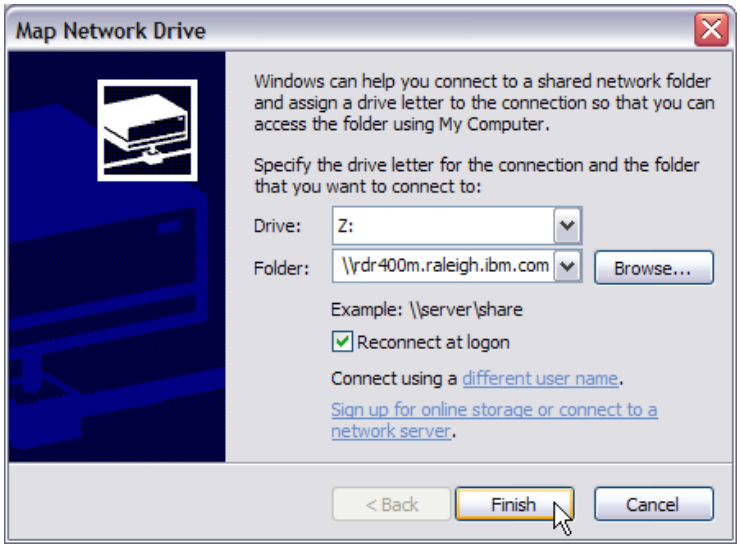


- Click on OK to close the ODBC Data Source Administrator.

Map OS/400 Network Drive

Use Windows Explorer to map the OS/400 integrated file system to a network drive on the PC as follows:

- Start Windows Explorer, select Tools, Map network drive.
- Select a drive letter (in this example: Z). This letter may be different from what is shown here, but it must match the name specified in the Release Setup form.



- When assigning the drive, it is required to point it to the OS/400 root directory (in this example: \\rdr400m.raleigh.ibm.com\root).
- Check the *Reconnect at logon* setting (Reconnect at startup for Windows 98).

Install IBM OnDemand for iSeries Release Script

Use the following procedure to install the release code specific to OnDemand for iSeries:

- Map a network drive to the OS/400 root directory.
- Using Windows Explorer, navigate to the \QIBM\ProdData\RDARS\Kofax subdirectory of the mapped network drive.
- Double click on the setup.exe file.
- Follow the on-screen instructions to complete the installation.

Remove IBM OnDemand for iSeries Release Script

If for any reason you need to remove the IBM OnDemand for iSeries Release code from a workstation, follow the steps below:

Use the following procedure to remove the OnDemand for iSeries 32-bit Release code from the workstation:

- Click on the Start > Settings > Control Panel.
- Double Click on the Add/Remove programs icon.
- Select IBM OnDemand for iSeries Release (32-bit) and click on the Add/Remove button.
- Follow the on-screen instructions to complete the removal.

Ascent Capture Setup

Several things need to be defined within Ascent Capture for the AnyStore integration environment:

- Index Field Types
- Document Class
- Form Type
- Batch Class

Our example is not meant to describe all of the features of Ascent Capture. Ascent Capture is highly configurable and has many features beyond those utilized in this example.

Create Index Field Types

Index Field Types can be thought of as models for defining index fields. Index Field Types can be used to generically define fields that can be used across applications. Fields like Names, Addresses, Telephone Numbers and other fields that have consistent formats can be defined once and then new index fields can be defined based upon the Index Field Types.

The following table lists the Index Field Types used in this example.

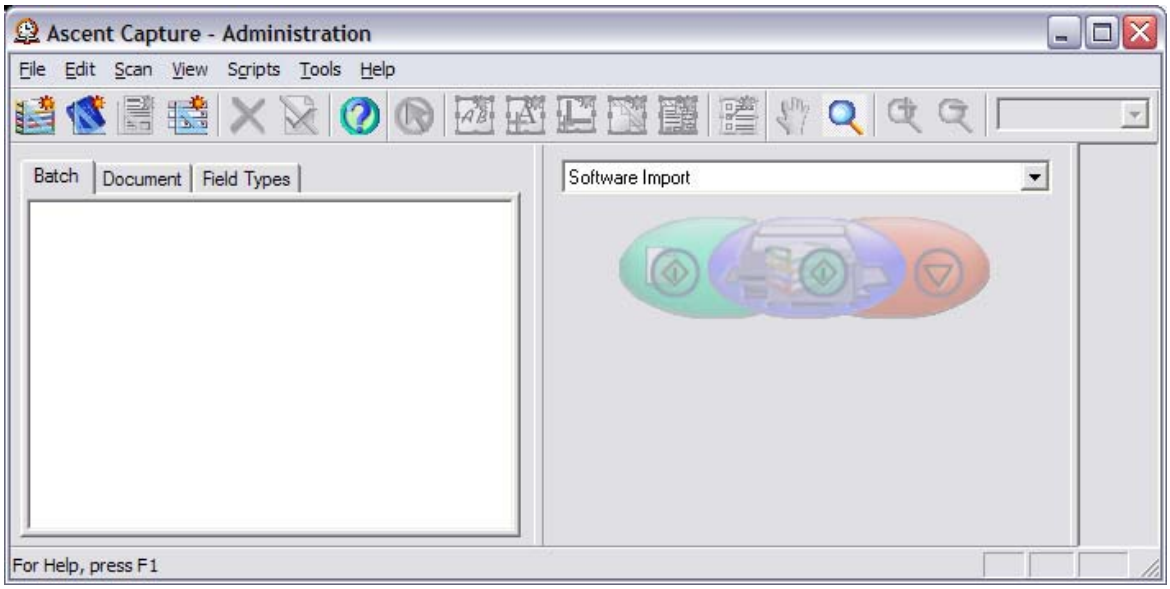
Ascent Capture Field Type Name	Max Length	Data Type	Comments
ENCOUNTER-25	25	CHARACTER	Encounter
HISTORY-NO-20	20	CHARACTER	History number

PATIENT-LAST-NAME-20	20	CHARACTER	Patient's last name
TAB-20	20	CHARACTER	Tab
HOSPITAL-NO-15	15	CHARACTER	Hospital Number
VERSION-2	2	CHARACTER	Report version as defined in OnDemand for iSeries setup. If not provided, then default is 01.
DATE	n/a	DATE	If not provided the default is the OS/400 system date. Date is converted to an ISO date (YYYY-MM-DD) during Release.
COMMENT-50	50	CHARACTER	If not provided, then default is the report name description as defined in OnDemand for iSeries report definition.

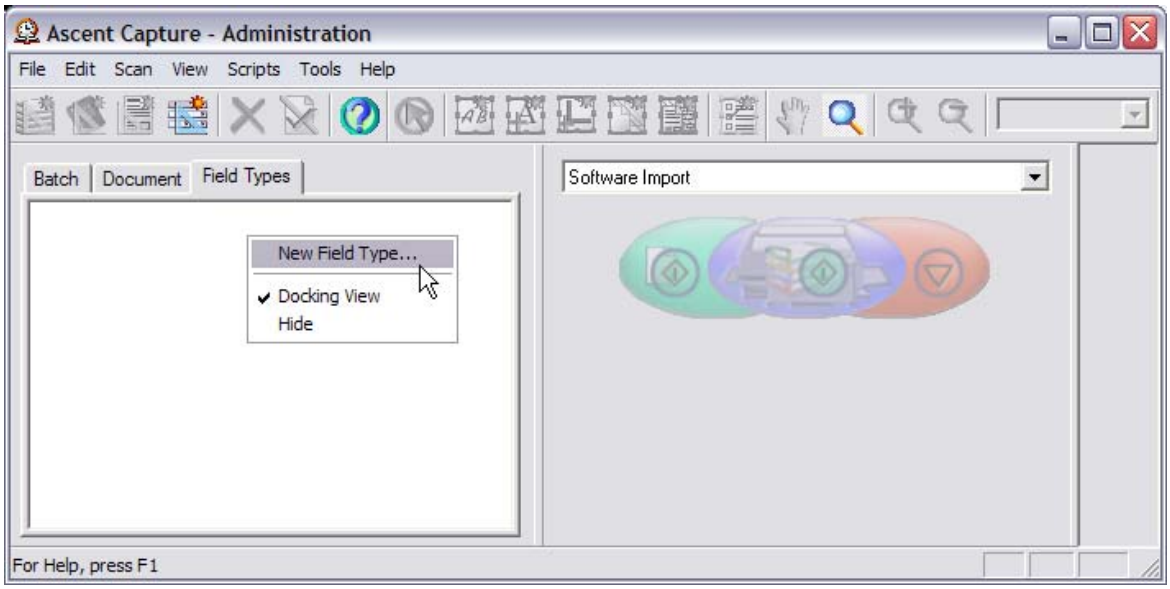
Detailed instructions for creating Index Field Types are included in *Getting Started with Ascent Capture*.

To create Index Field Types, follow these steps:

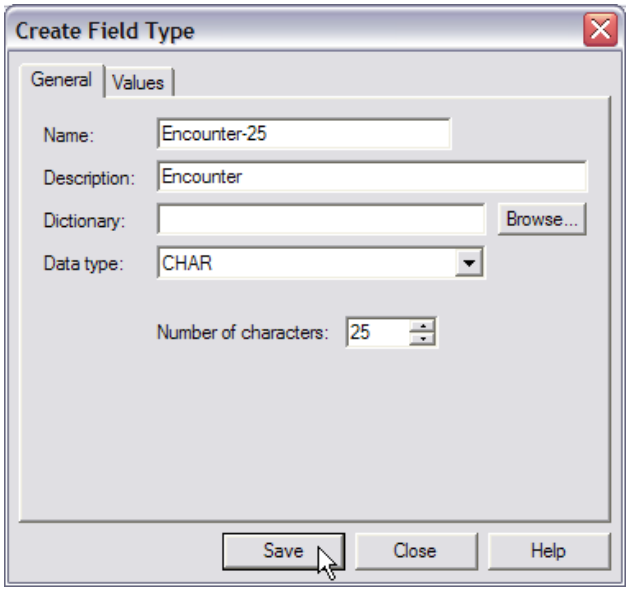
Click on Start > Programs > Ascent Capture 6.0 > Administration.



The Ascent Capture Administration window is shown above.



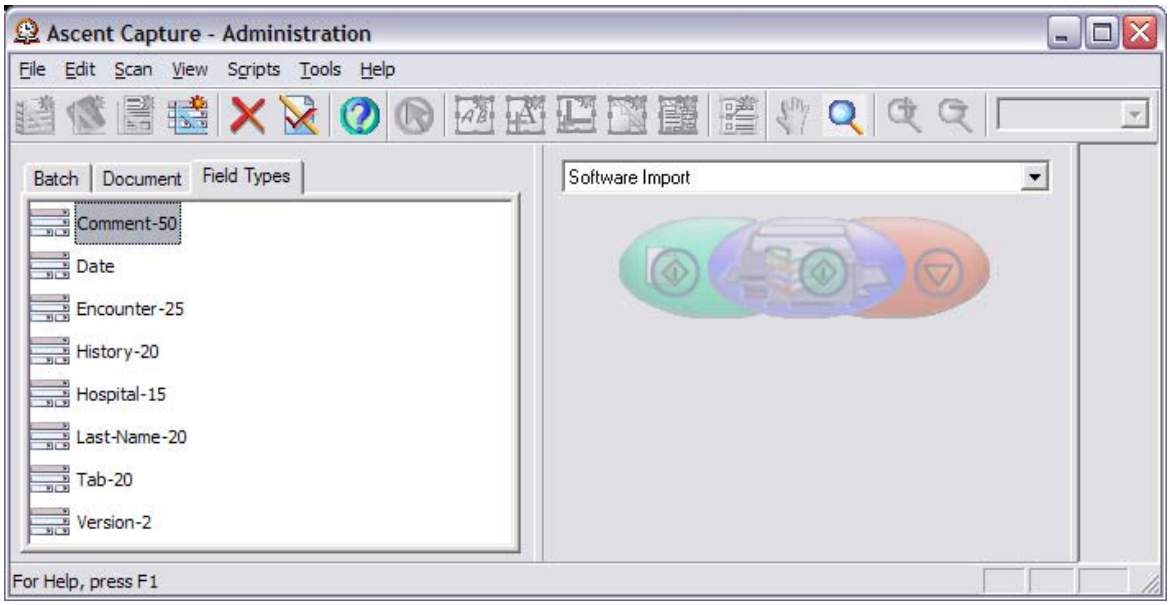
Click on the Field Types tab. Right click in the window beneath the Field Types tab and select New Field Type.



Enter the Field Type information as shown above and click on the save button to create the Field Type. Repeat the process to enter the remaining Field Types using the information below.

Field Type Name	Description	Data type	Number of Characters
Encounter-25	Encounter	CHAR	25
History-20	History Number	CHAR	20
Last-Name-20	Patient Last Name	CHAR	20
Tab-20	Tab	CHAR	20
Hospital-15	Hospital Number	CHAR	15
Version-2	Report Version	CHAR	2
Date	Posting Date	DATE	n/a
Comment-50	Run Comment	CHAR	50

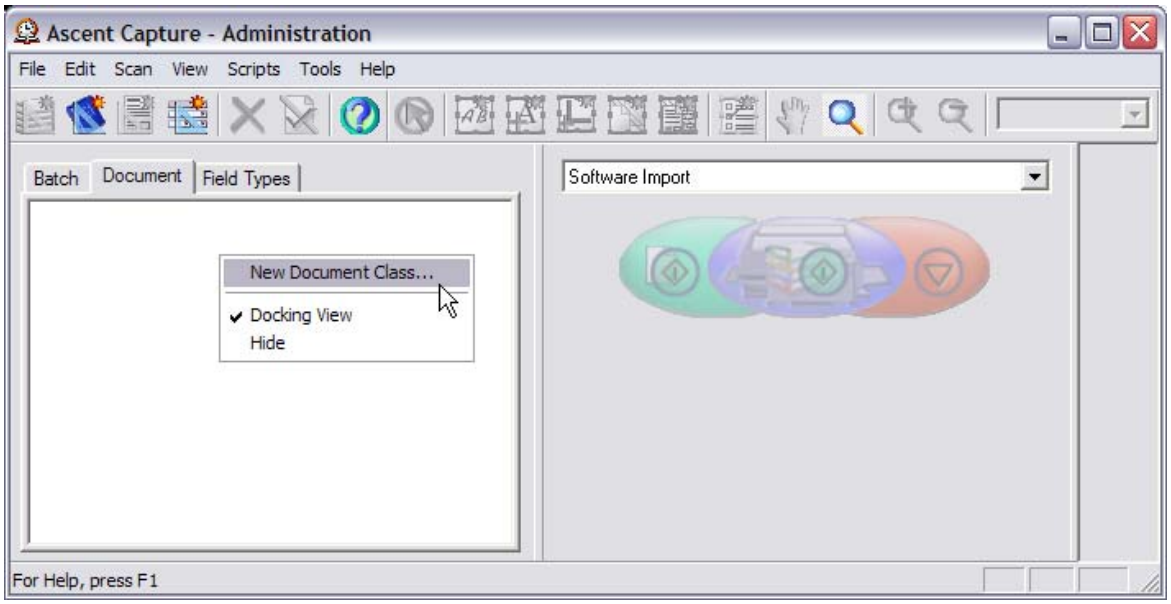
Click on the Save button after entering the information for each Field Type. After saving the last Field Type, click on the Close button to return to the Administration window.



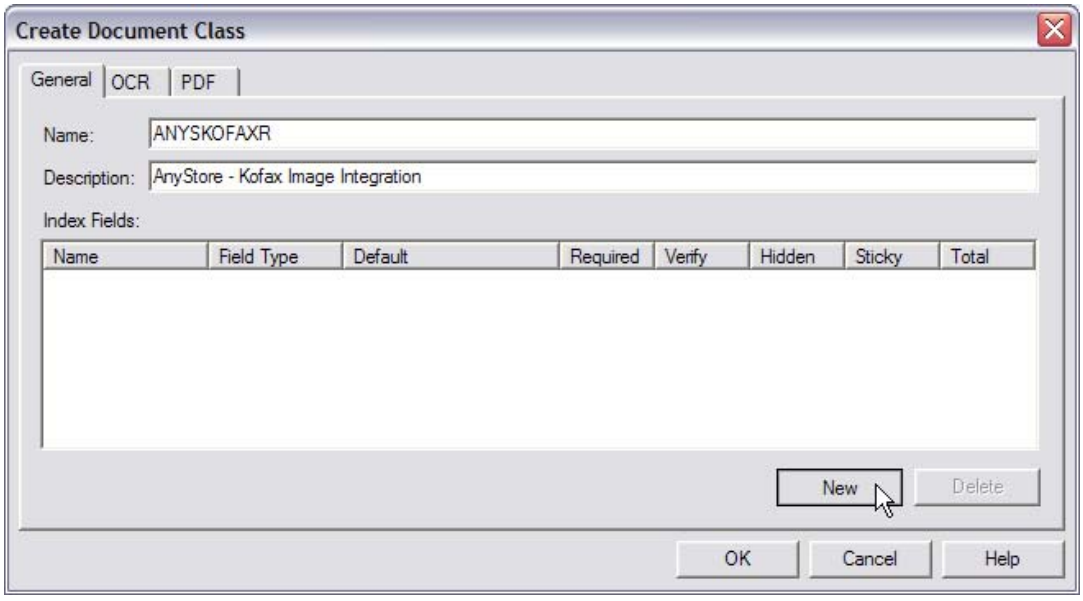
After creating the last field type, you should see all field types listed as shown above.

Create a Document Class

Each Document Class defines the index fields used to retrieve that kind of scanned image. Detailed instructions for creating Document Classes are included in *Getting Started with Ascent Capture*.

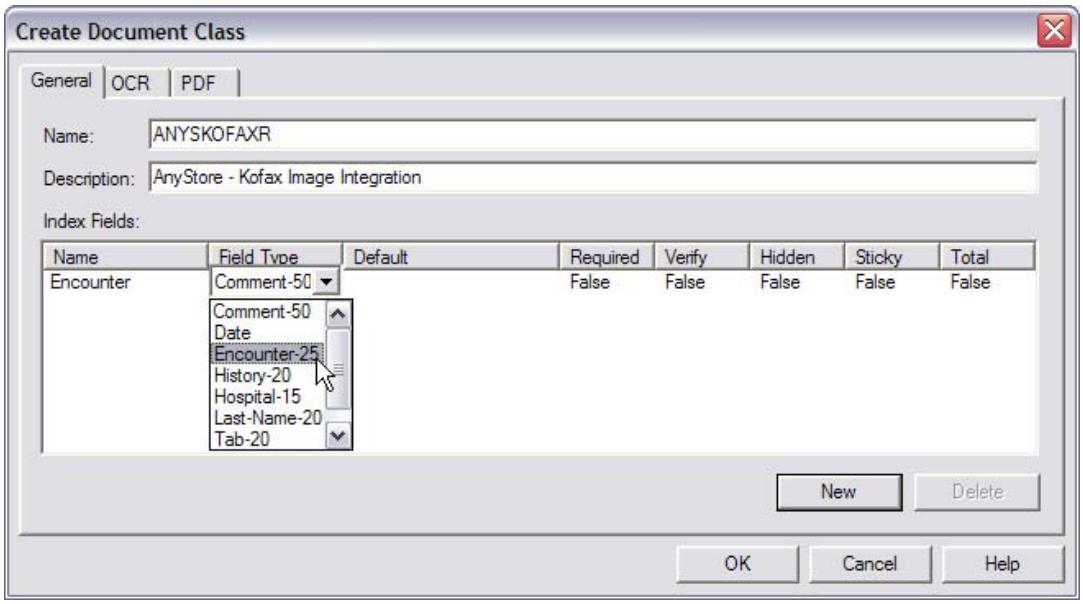


To create a document class, click on the Document tab. Right click in the window below the Document tab and select New Document Class.



Enter a Document Class name and description. **Note:** The Document Class name should be the same as your OnDemand Report Definition Name.

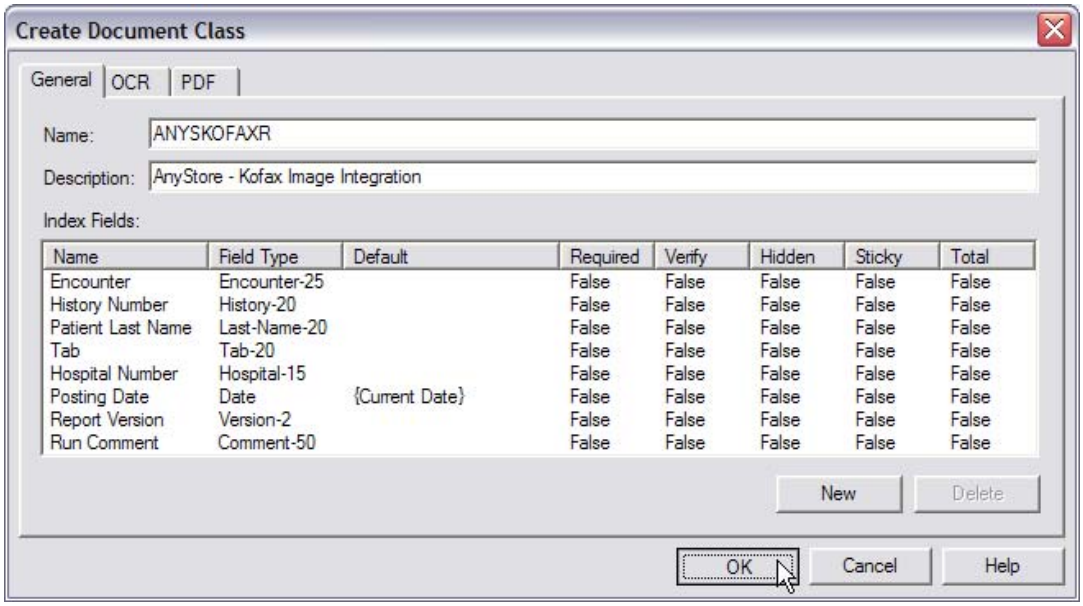
Click on the New button to add index fields for this Document Class.



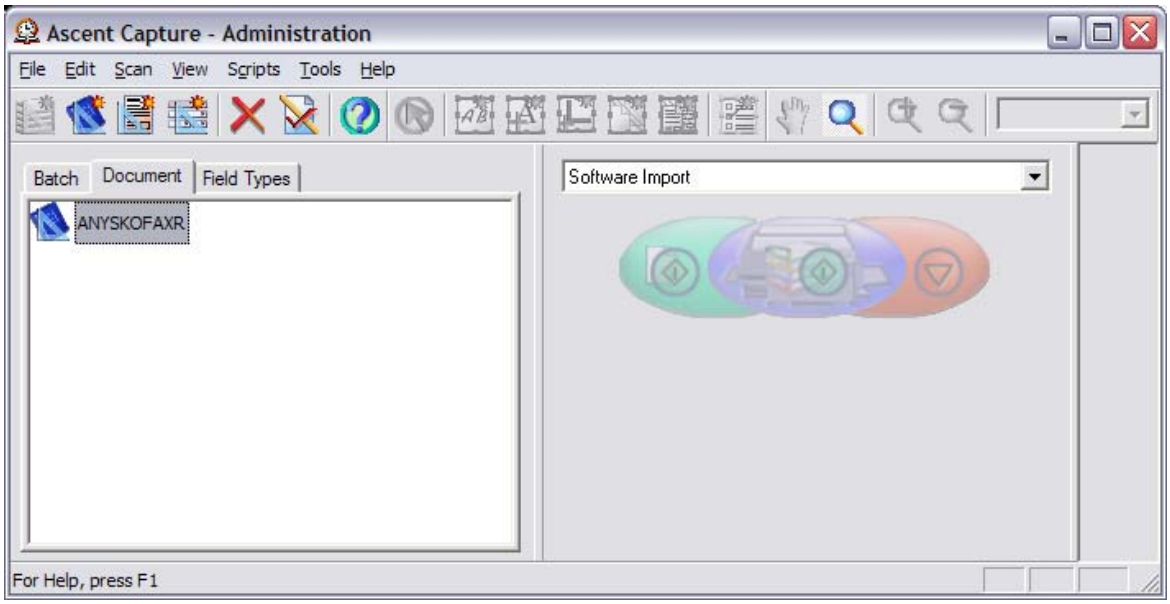
Enter an index field name that is unique for this Document Class, then tab to the Field Type column.

Click the down arrow to open the pull down menu and select Encounter-25. Repeat the process to enter the remaining Index Fields using the information below.

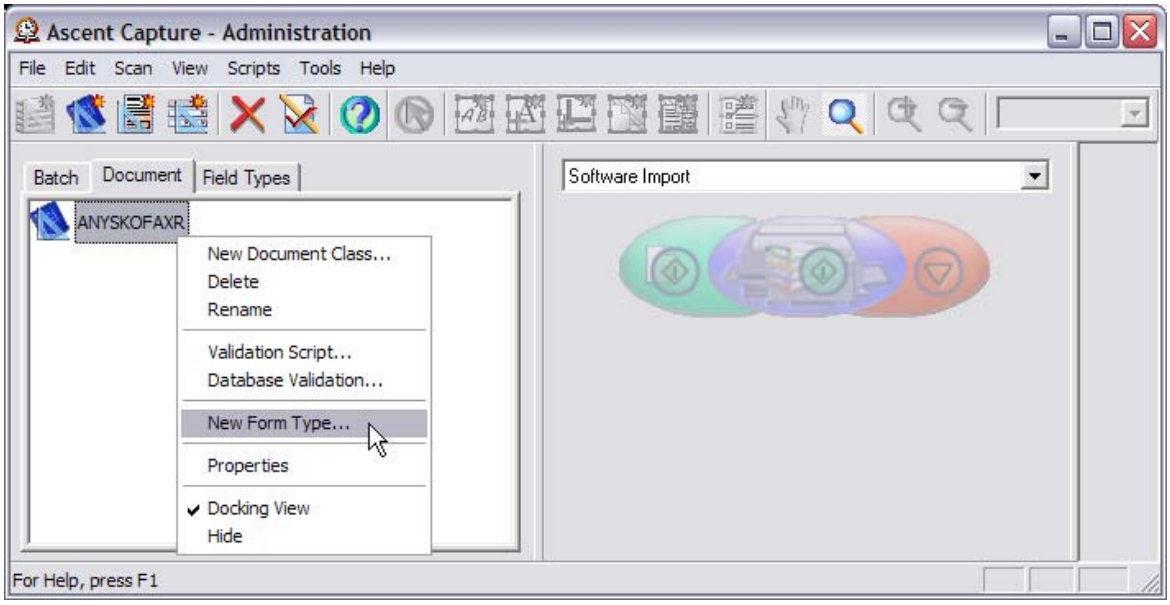
Index Field Name	Field Type Name
Encounter	Encounter-25
History Number	History-20
Patient Last Name	Last-Name-20
Tab	Tab-20
Hospital Number	Hospital-15
Report Version	Version-2
Posting Date	Date



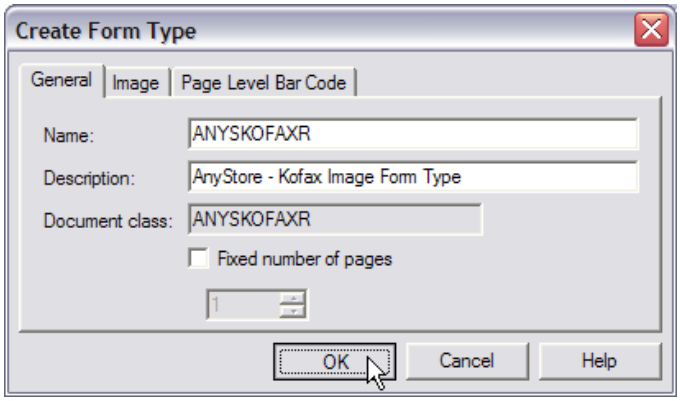
After all of the Index fields have been created for the Document Class, click on the OK button.



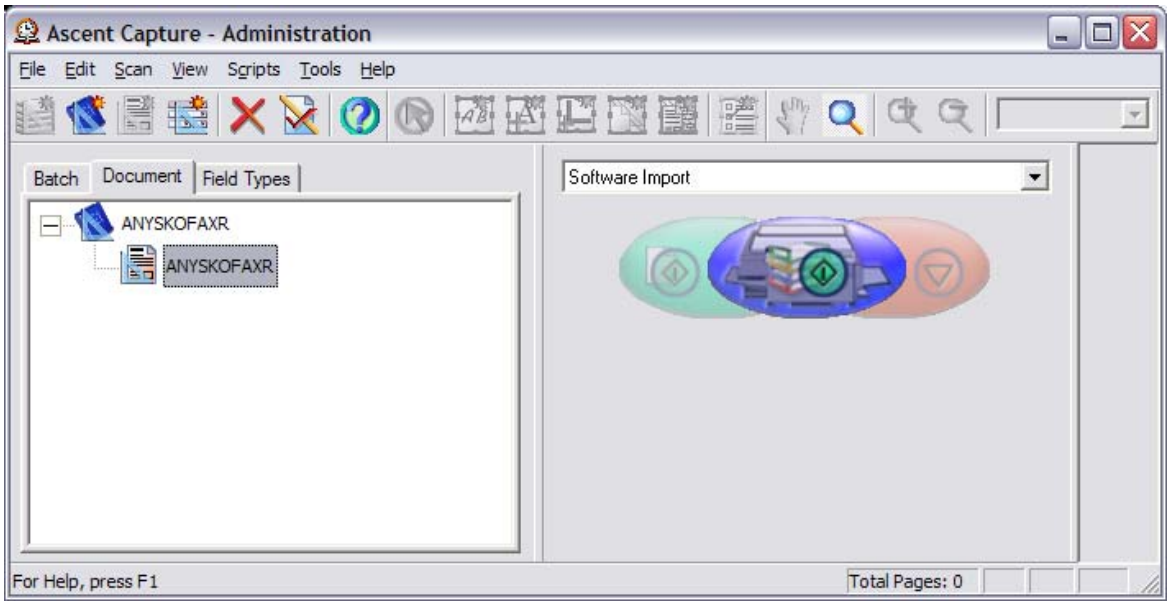
The ANYSKOFAXR Document Class now appears in the Document window above.



Each Document Class needs a Form Type defined. To create a Form Type for the ANYSKOFAXR Document Class, right click on ANYSKOFAXR and select New Form Type.



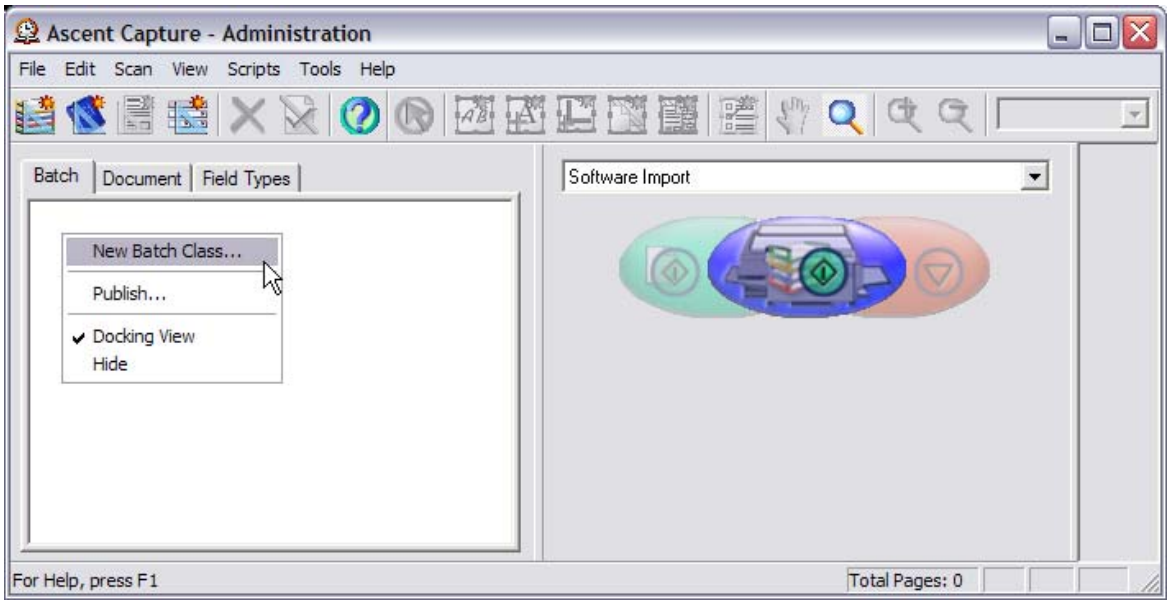
Enter the Form Type information as shown above and click on OK.



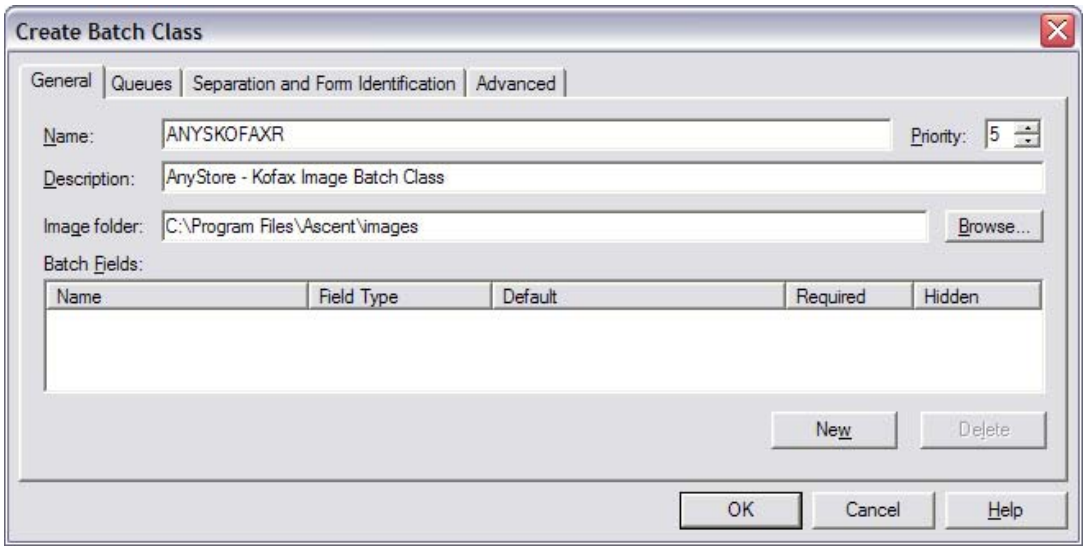
Note the Form Type indented underneath the Document Class. Next you need to create a Batch Class.

Create a Batch Class

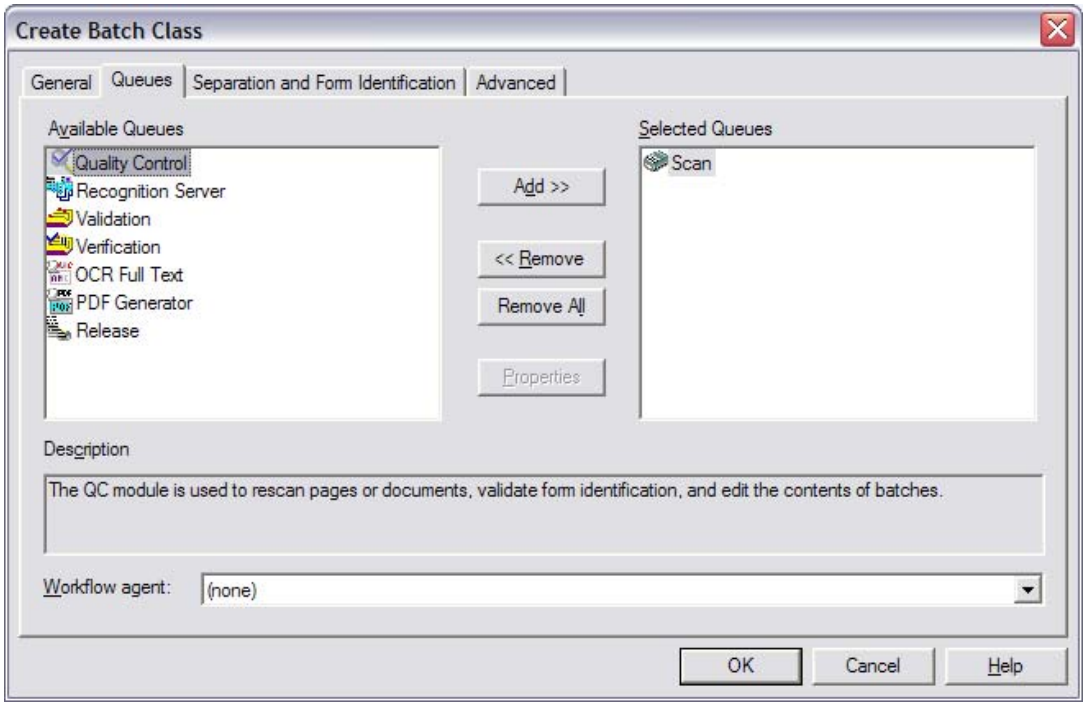
Batch Classes are composed of one or more Document Classes. A Batch Class defines the order of the Queues used to process the batch and the parameters specific to the Queues. Detailed instructions for creating Batch Classes are included in *Getting Started with Ascent Capture*.



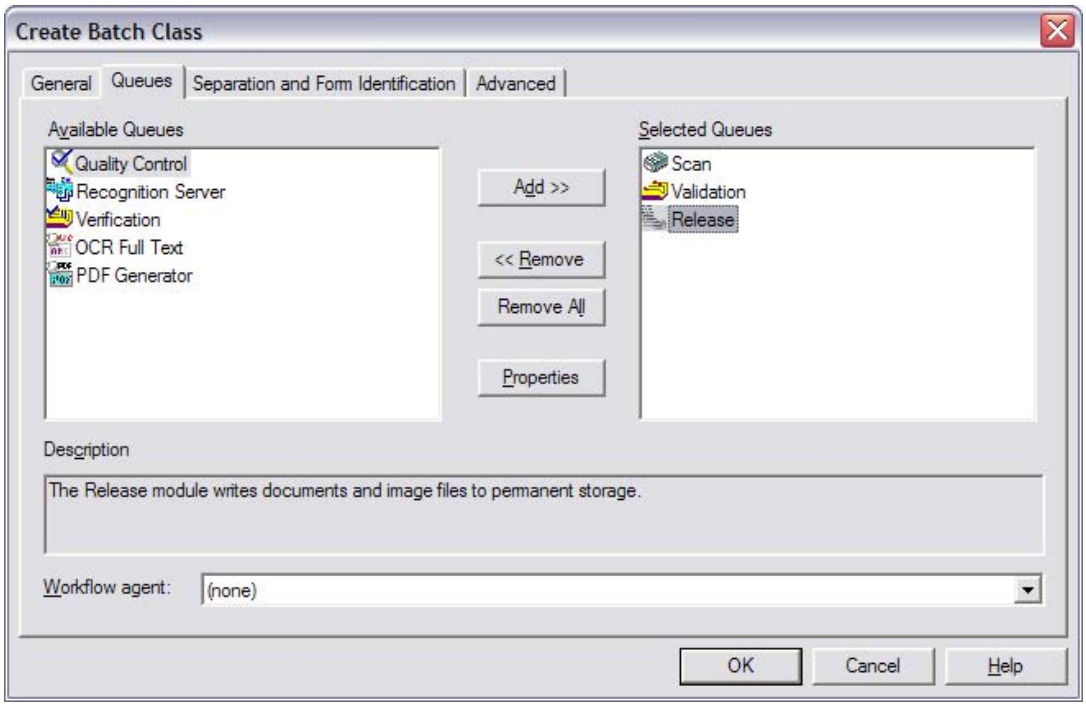
To create a Batch Class, click on the Batch tab. Right click in the window below the Batch tab and select New Batch Class.



Enter the Name and Description of the Batch Class

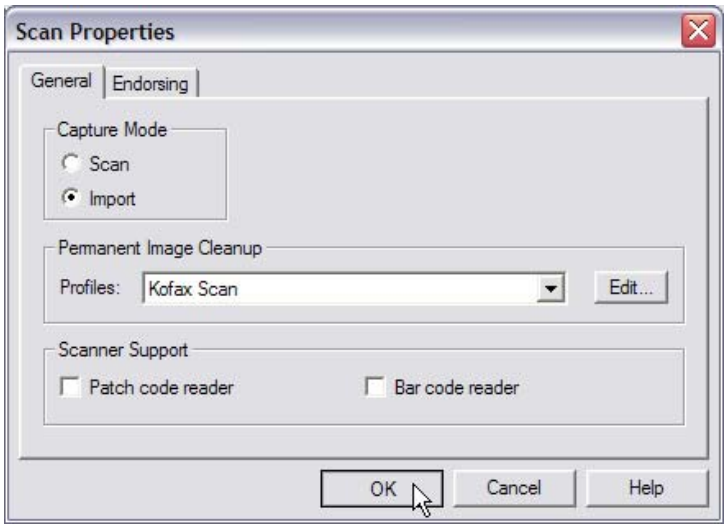


Click on the Queues tab to proceed.



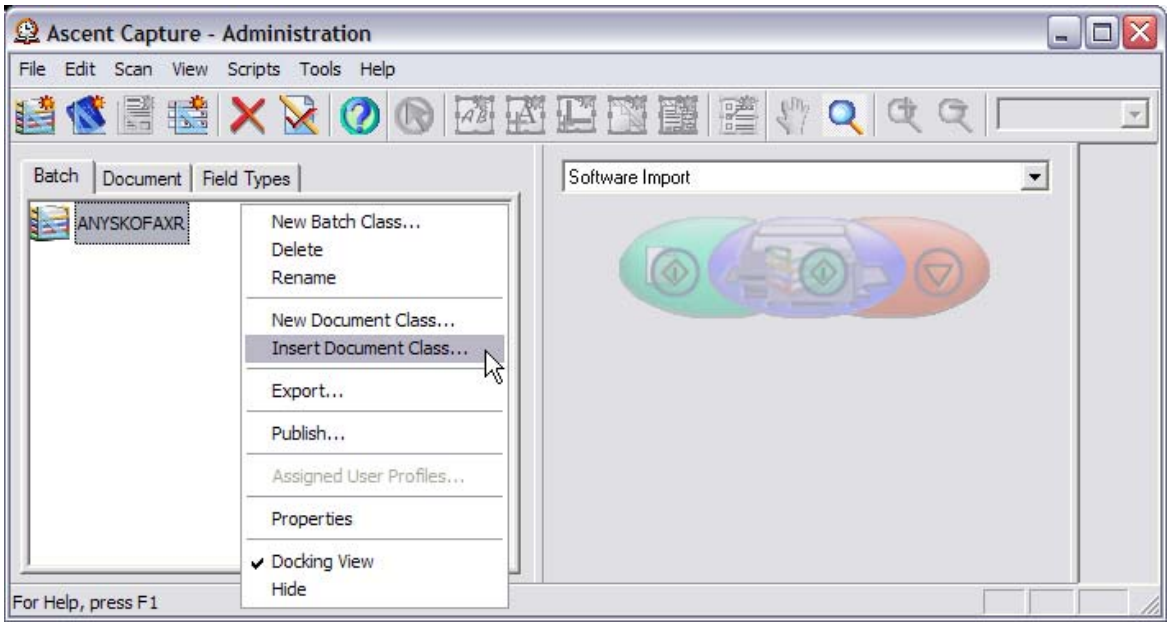
In this example, you will only use the Scan, Validation (Validation was known as Index in Ascent Capture 3) and Release Queues. The Scan queue is already included by default. Click once on the Validation queue to select it, then click on the Add button. Do the same for the Release queue. Your window should look the same as the window shown above.

In the Selected Queues pane, click once on the Scan queue to select it, then click on the Properties button.

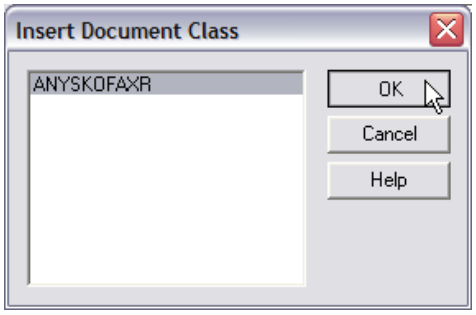


In this example, you will not be scanning in an image, you will be importing an image file. Normally, you would set the Capture Mode to Scan. For this example, select the Import radio button and click OK. Click OK again to save the Batch Class.

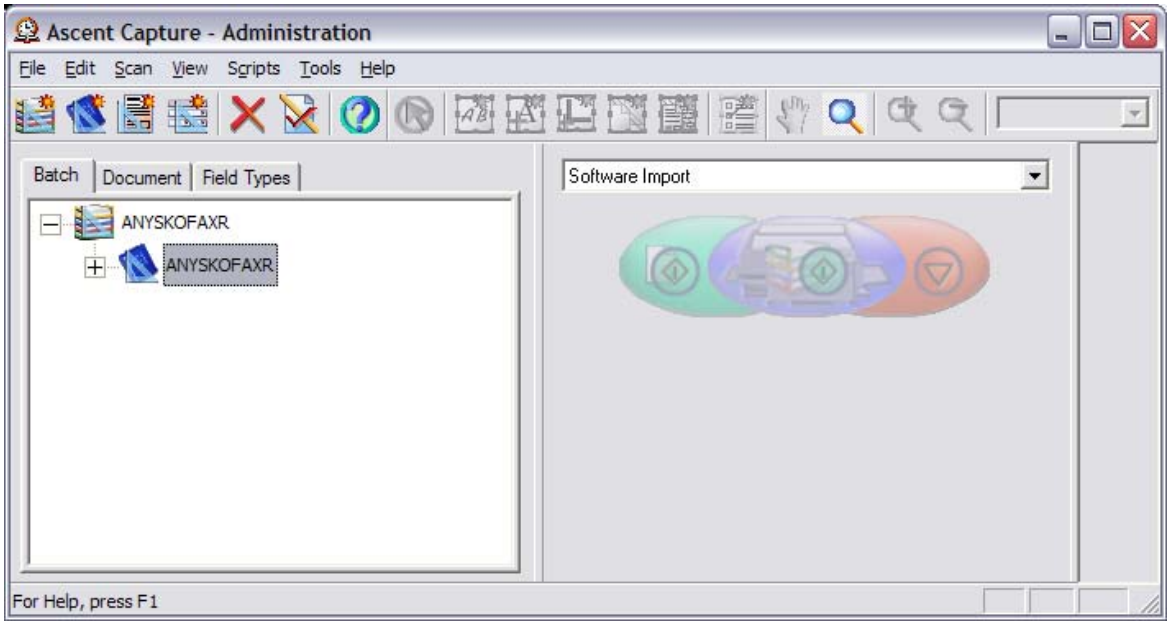
You now have a Batch Class, Document Class, Form Type and Index Field Types. Since a Batch Class can contain multiple Document Classes, you must Insert the Document Class into your Batch Class.



Right Click on the ANYSKOFAXR Batch Class and select Insert Document Class.



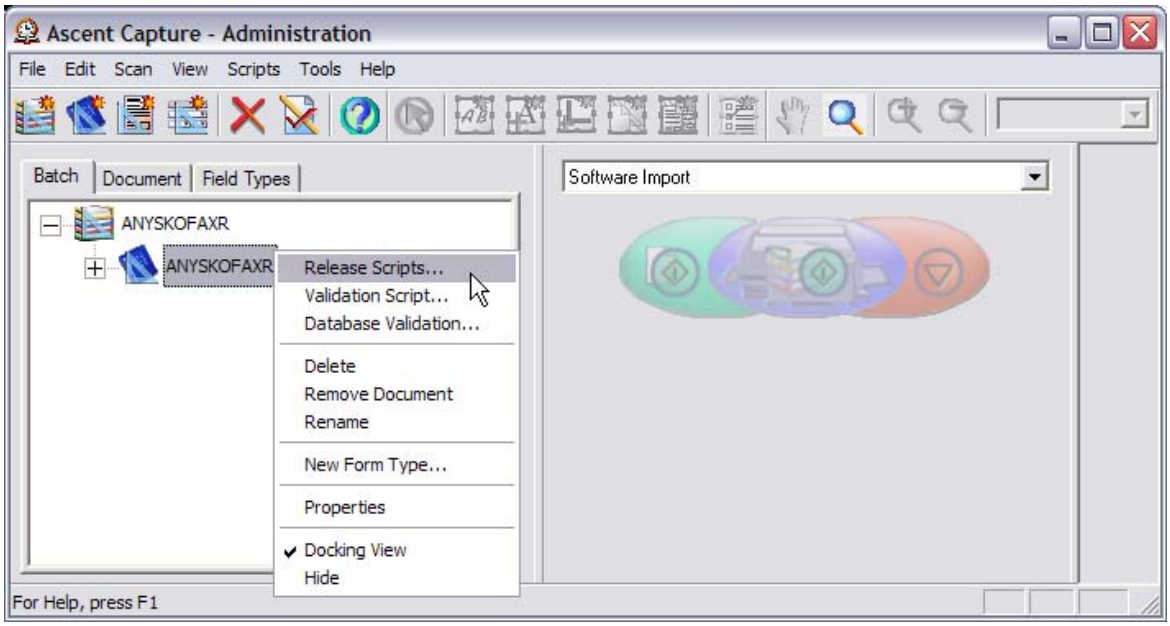
You are presented with a list of available Document Classes. Select ANYSKOFAXR and click OK.



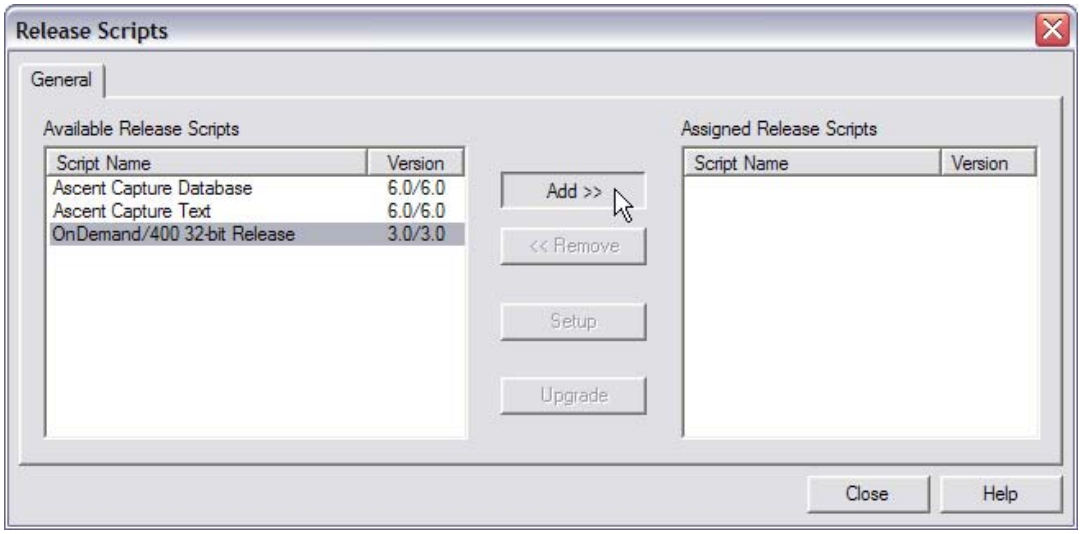
Now you can see the ANYSKOFAXR Document Class indented beneath the ANYSKOFAXR Batch Class.

OnDemand for iSeries 32-bit Release Script Setup

Ascent Capture has the capability to run a different Release Script program for each Document Class. For this reason, you must specify that the OnDemand for iSeries 32-bit Release Script program will be used for your example Document Class.



Right click on the ANYSKOFAXR Document Class and select Release Scripts as shown above.

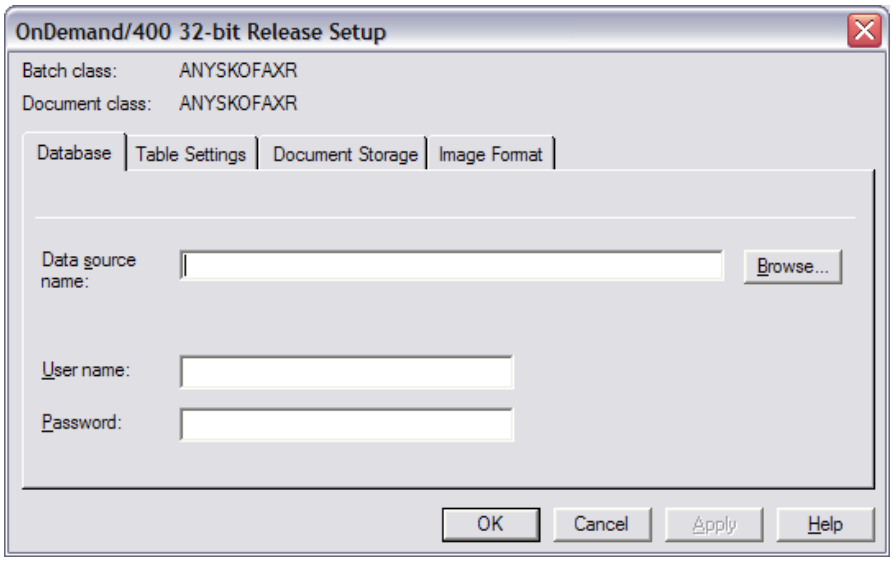


AnyStore Integration is provided by the OnDemand/400 32-bit Release Script.

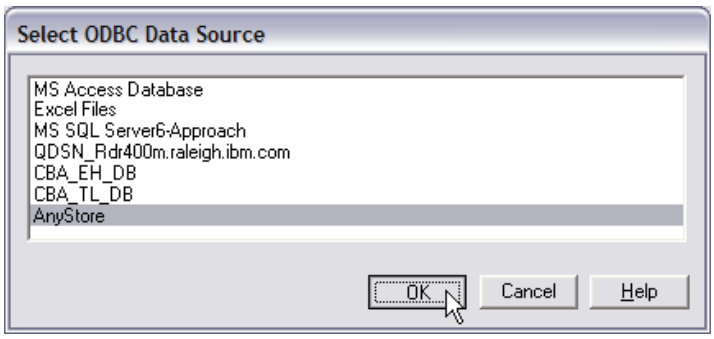
Select OnDemand/400 32-bit Release and click on the Add button to run the Release Setup program.

Note: If you are modifying a Document Class which uses a Version 2 Release script, to use the OnDemand/400 32-bit Release script, you must remove the existing script before selecting the OnDemand/400 32-bit Release script. If you select the OnDemand/400 32-bit Release script and click run, without removing the existing script first, you will receive an error stating that there is a duplicate record in a database. This is an erroneous message. If the occurs, simply remove the existing

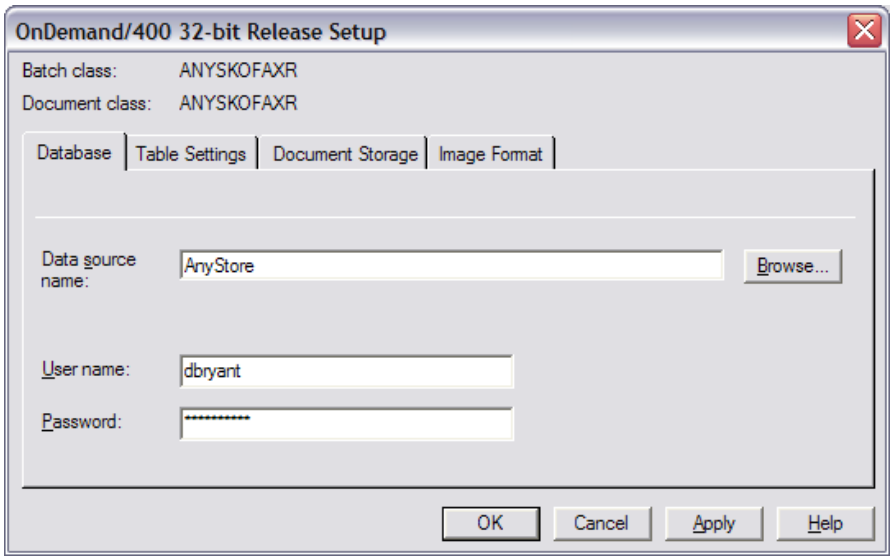
script, then select the OnDemand/400 32-bit Release script and press Add to continue.



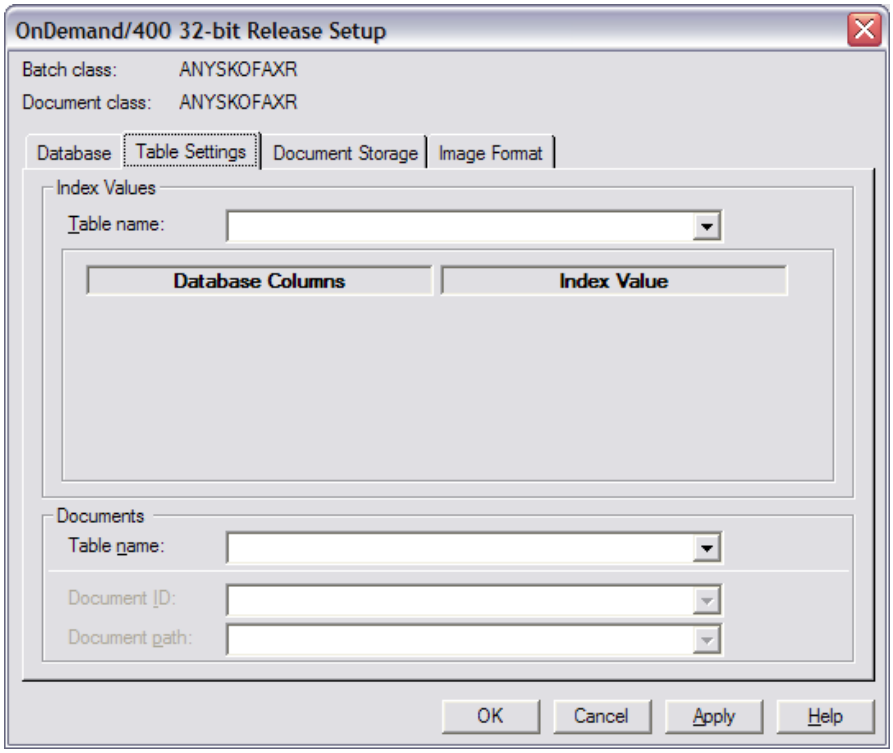
Previously, you created an ODBC data source. Now you must select that data source and provide a User Name and Password which is authorized to access OnDemand for iSeries reports and databases.
Click on the Browse button to select the Data Source you created earlier.



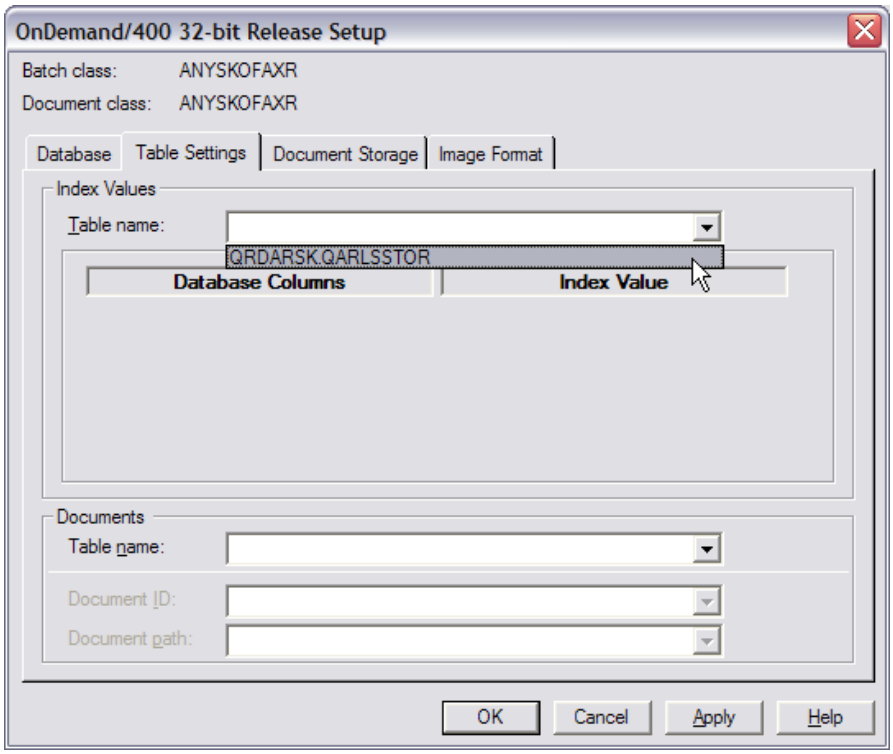
The list of predefined ODBC Data Sources Names (DSN) is presented. In this example choose AnyStore and click OK. You may be prompted to signon to OS/400 at this time. If so, enter your OS/400 userid and password and click on OK.



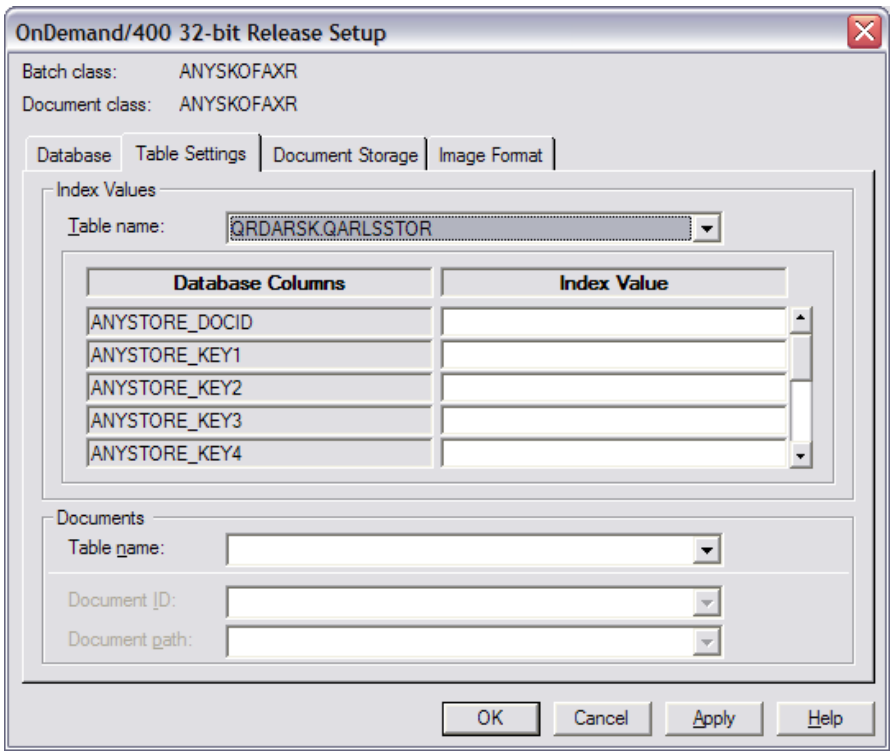
Enter a valid *User name* and *Password* for OnDemand for iSeries and click on the Table Settings tab to continue.



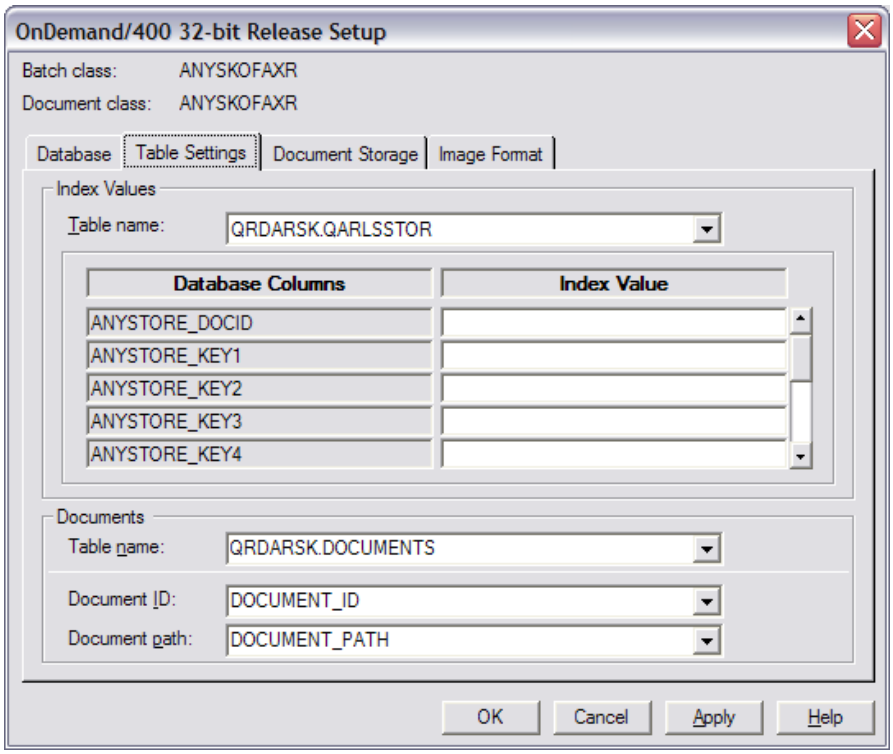
Now you must specify which OnDemand AnyStore Integration files you will be updating with Document Index Values.



Click on the drop down arrow in Table Name for Index Values. You will see only one selectable file called QRDARSK.QARLSSTOR. Select the QRDARSK.QARLSSTOR file.



The Database Columns fields will fill with names as shown above.



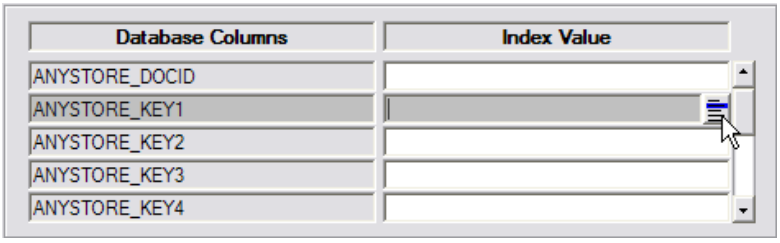
Let's select the Table Name for the Documents, by clicking the down arrow. You will only see the QRDARSK.DOCUMENTS table listed. Select the QRDARSK.DOCUMENTS table as shown above.

Now select the name of the AnyStore Integration database field into which the Ascent Capture Document ID will be placed. Clicking the down arrow in the Document ID field. You will only see the DOCUMENT_ID field listed. Select the DOCUMENT_ID field as shown above.

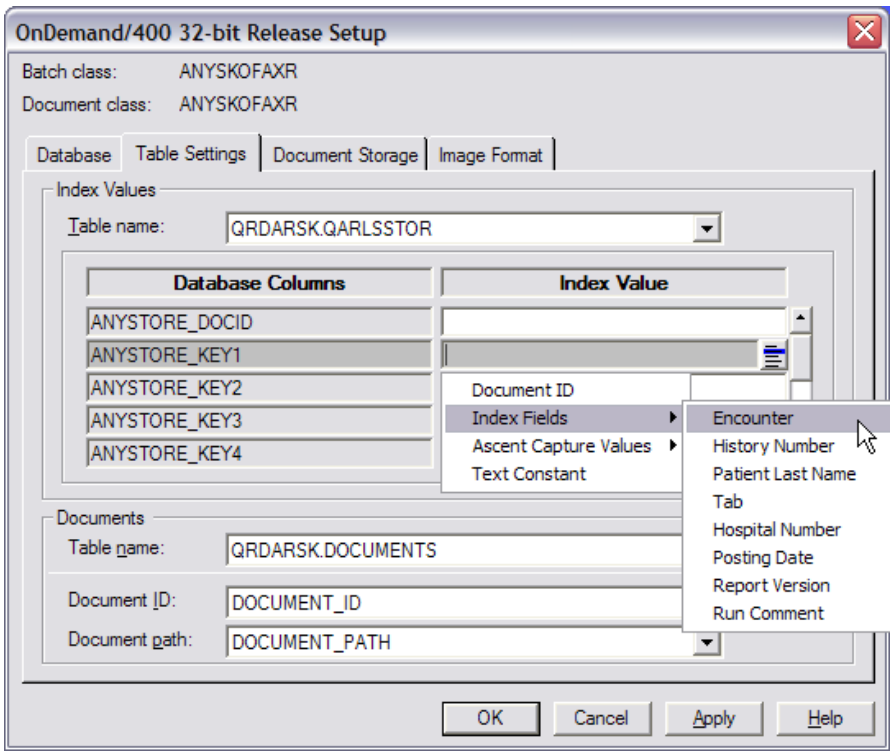
Next select the name of the AnyStore Integration database field into which the Ascent Capture Document Path will be placed. Clicking the down arrow in the Document Path field. You will only see the DOCUMENT_PATH field listed. Select the DOCUMENT_PATH field as shown above.

When the Release process executes, data values entered for the Ascent Capture Index fields are transmitted to the iSeries. Before the Release process can be run, you must instruct the Release code how to map the Ascent Capture index values to AnyStore key fields. The table below shows how AnyStore key fields should be mapped to the Ascent Capture index fields for your example Document Class.

AnyStore Integration Key Field Name	Ascent Capture Index Field Name
ANYSTORE_KEY1	Encounter
ANYSTORE_KEY2	History Number
ANYSTORE_KEY3	Patient Last Name
ANYSTORE_KEY4	Tab
ANYSTORE_KEY5	Hospital Number
ANYSTORE_VERSION	Report Version
ANYSTORE_POSTING_DATE	Posting Date
ANYSTORE_RUN_COMMENT	Run Comment



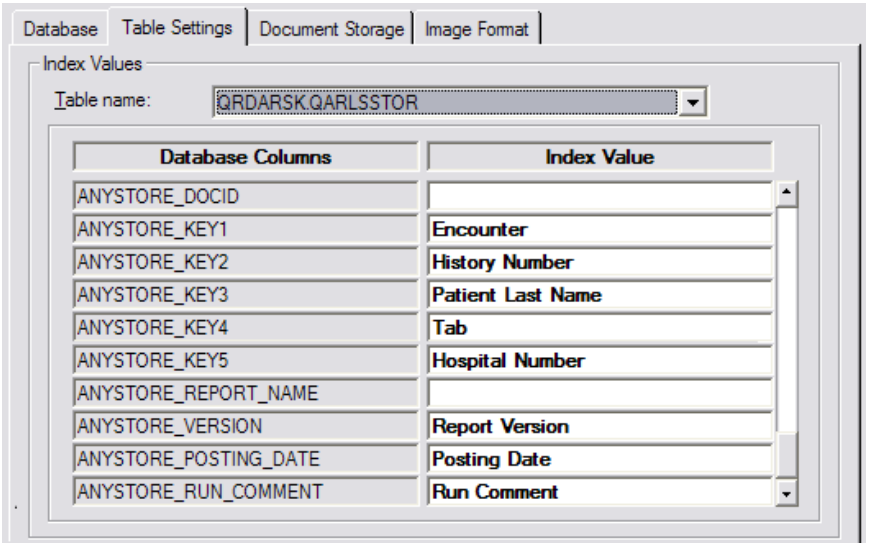
To begin mapping the fields click once in the index value column for ANYSTORE_KEY1. A context menu drop down button will appear. Click on the drop down button, as shown above.



Move the mouse to the Index Fields menu option and select Encounter.

Continue mapping the AnyStore Integration database fields to the Ascent Capture Index Values until all have been mapped, as shown in the composite image below.

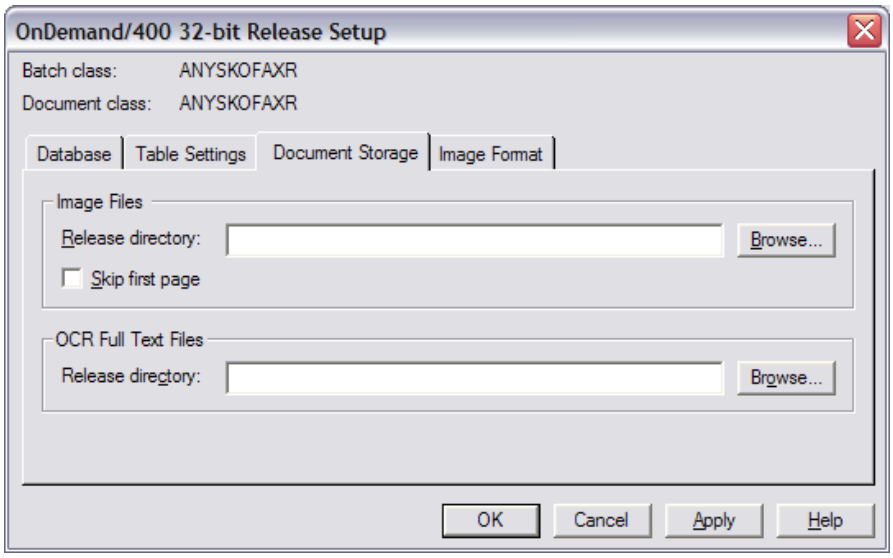
Do not map anything to the ANYSTORE_DOCID field. It will be ignored.



By default, the Ascent Capture Document Class name will be mapped to the ANYSTORE_REPORT_NAME, so your Document Class name should be the same as your OnDemand Report Definition name. In this example, you have not mapped an Index Field to the ANYSTORE_REPORT_NAME, so ANYSKOFAXR will be used for the report name.

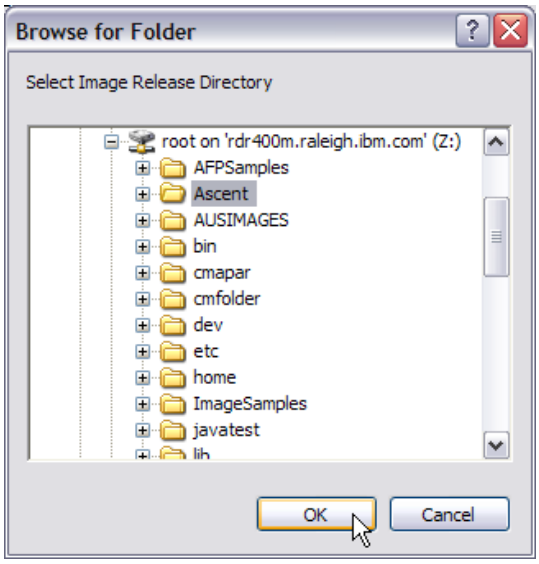
By default, if the value captured for ANYSTORE_VERSION is blank or no Index Field is mapped to ANYSTORE_VERSION, AnyStore will assume a version of 01.

By default, if the value captured for the ANYSTORE_POSTING_DATE is blank or no Index Field is mapped to ANYSTORE_POSTING_DATE, AnyStore will use the date that the AnyStore monitor on the iSeries archives the image for the posting date.



Click on the Document Storage Tab to continue.

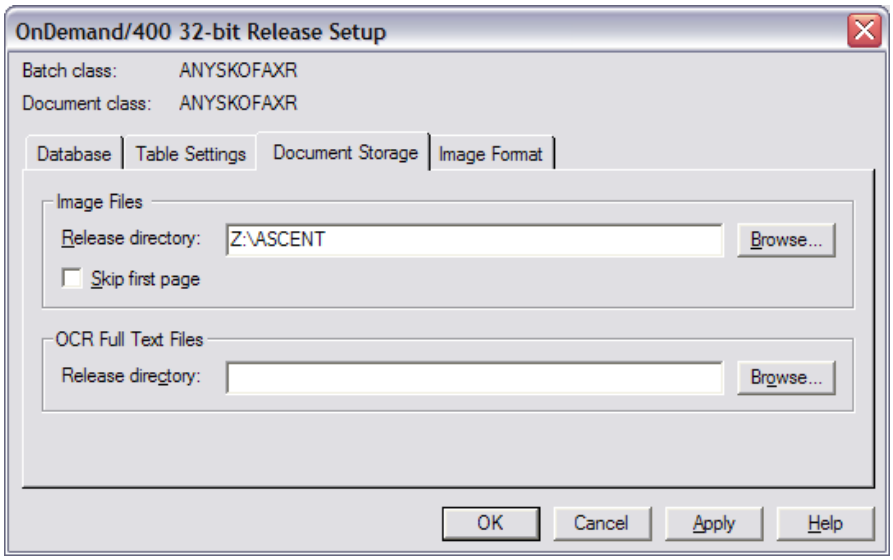
On this tab you will select the directory on the iSeries where released images will be temporarily stored before being archived by the AnyStore monitor.



Click on the Browse button. In this example, you had previously mapped a network drive (Z:) to the root directory of the RDR400M system.

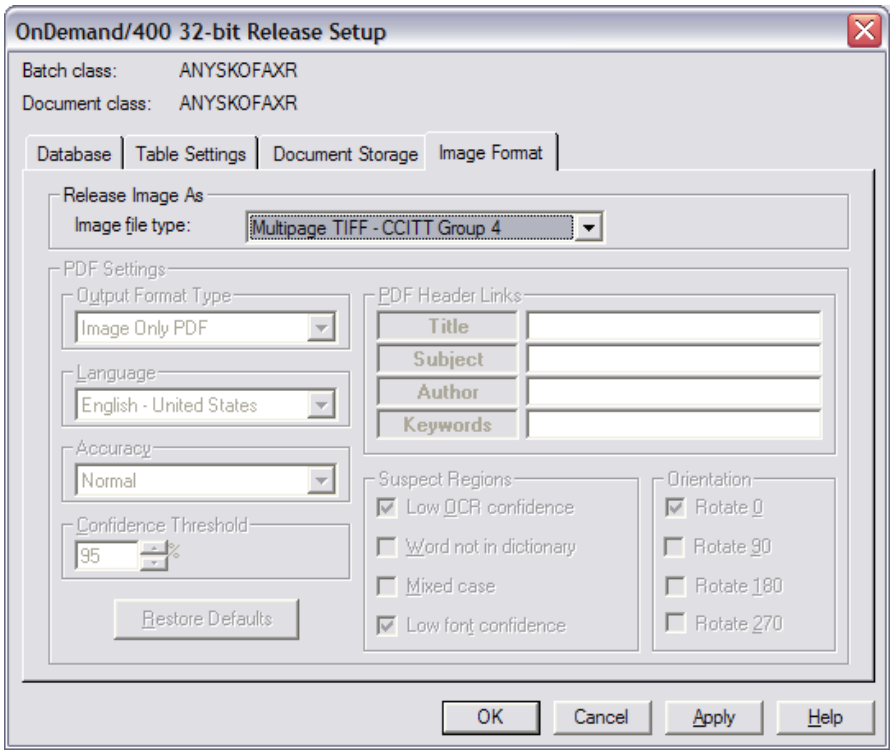
When, the 32-bit Release code was loaded on the iSeries, a new directory was automatically created called \ASCENT. You will use the \ASCENT directory as the temporary directory for your images.

Click on the '+' sign in front of the mapped network drive, Z: in this example, and then click on the ASCENT folder and click the OK button.



Our *Image Files Release directory* is now displayed in the window as shown above.

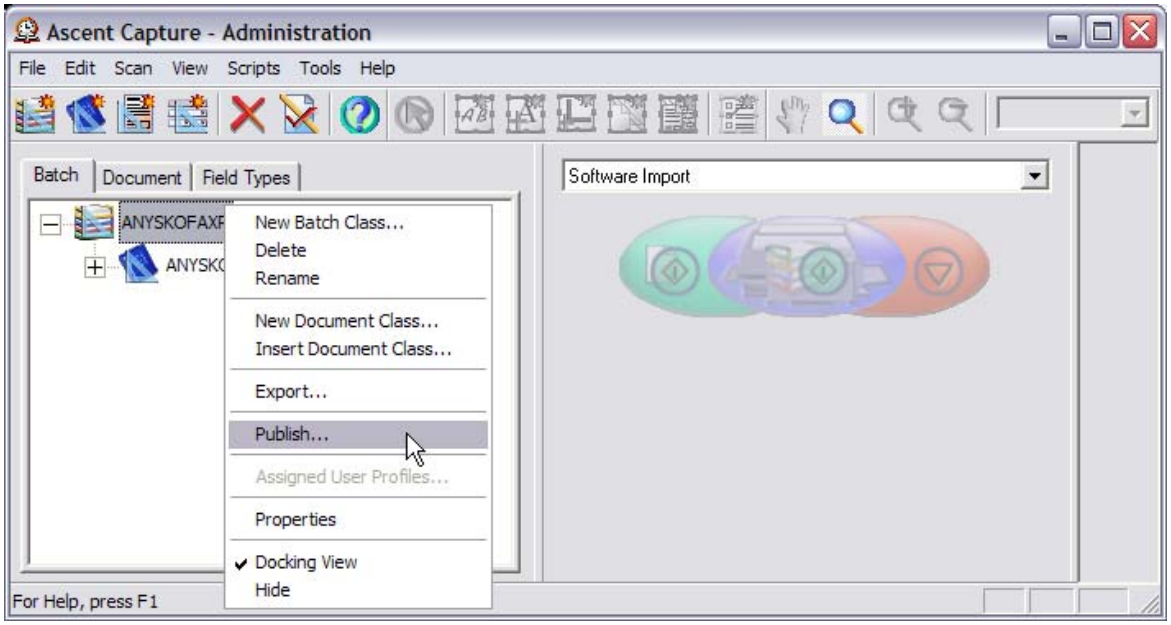
To specify the Image Format, click on the Image Format tab.



The *Image file type* defaults to Multipage TIFF - CCITT Group 4, which is compressed TIFF. Multipage TIFF - CCITT Group 4 is normally the best *Image file type*, it provides better performance because the images are compressed and require less storage space. For this example, you will use the default.

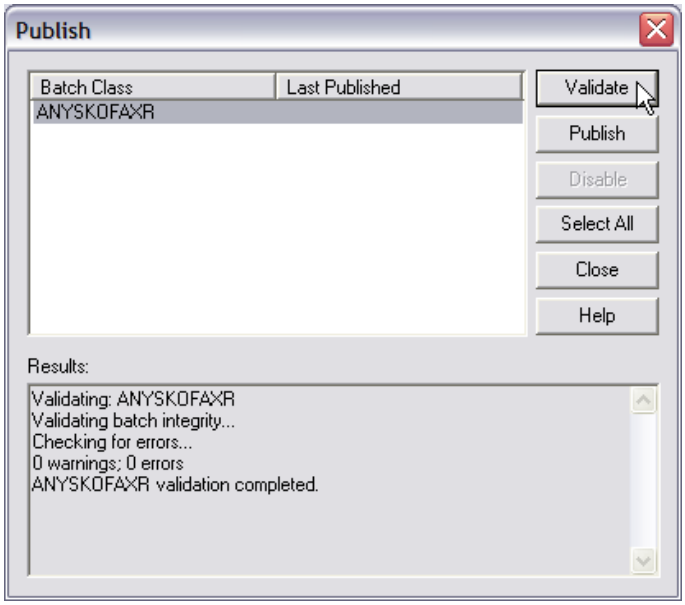
Click OK to exit to save the Release Script setup information. With the Release Script setup complete, you can now click on the Close button.

Before your new Batch Class can be used, you must publish the Batch Class.

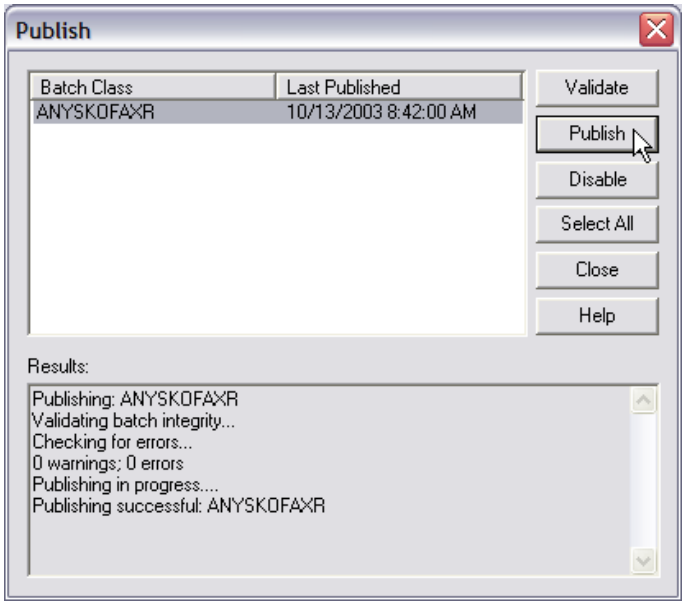


To publish the Batch Class, right click on the ANYSKOFAXR Batch Class and select Publish.

It is always a good idea to validate the Batch Class before publishing it. Validation identifies possible errors in your Batch Class and also warns of possible problems that you may need to fix before publishing the Batch Class.



To validate the ANYSKOFAXR Batch Class, select it in the window pane and click on Validate. The Results pane will list any warnings or errors found in your Batch Class. If you had no warnings or errors, let's move on and publish the Batch Class.



To publish a Batch Class, select the Batch Class in the window and click on Publish. Any warnings or errors found in the Batch Class will be displayed in the Results window pane. If you did not receive any errors, close the Publish window by clicking on the Close button.

You have successfully created and published a Batch Class, so your setup is complete. To exit Ascent Capture - Administration, select the File pull down menu and click exit.

At this point, you would begin scanning or importing and indexing your documents. See the Kofax Ascent Capture documentation for details.

Chapter 4. Release Processing

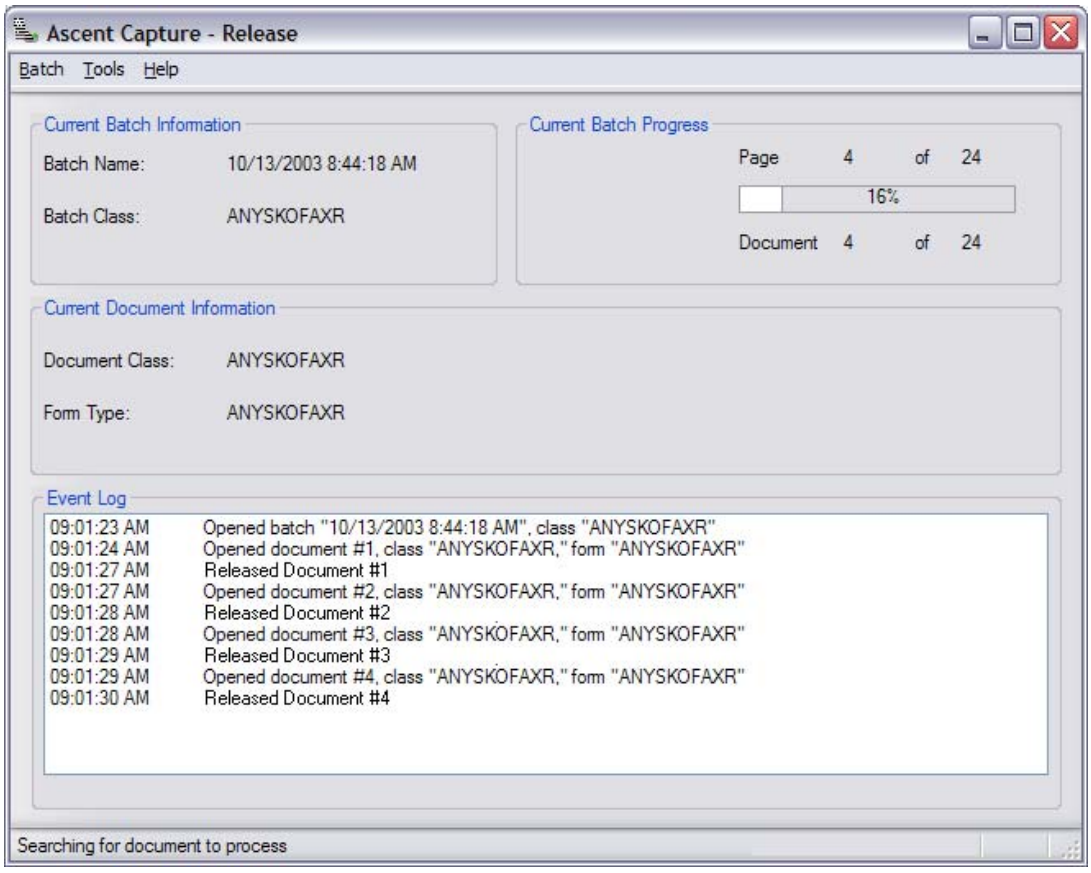
Ascent Release Program

To release image documents to the iSeries:

- Start a iSeries Access connection to your iSeries
- Map your OS/400 network drive
- Start the Release program by double clicking on the Release icon in the Ascent Capture Folder. This program monitors for Ascent Capture batches that are ready to be released. This program should be started at the beginning of the day, and left to run unattended.

The Release program performs four major functions:

- Transfers image documents from Ascent Capture to an OS/400 IFS directory
- Updates a DB2 for iSeries database with the location of each image document
- Updates a DB2 for iSeries database with the indexes for each image document
- Deletes all successfully released document batches from Ascent Capture



When Release Processing is running, a windows similar to the one above will be displayed. Release status messages will be displayed in the Event Log window pane.

Chapter 5. AnyStore Processing

AnyStore Monitor

The AnyStore monitor is an OS/400 program which wakes up every 60 seconds and looks for batches of image documents to archive. If no documents have been delivered by the Release process, the monitor goes back to sleep for another 60 seconds. If a batch of documents have been delivered to the iSeries, the AnyStore monitor archives them into OnDemand for iSeries using AnyStore APIs. When all available batches of images have been archived, the monitor will go back to sleep.

The AnyStore monitor reads the indexes for each document within a batch and creates an OnDemand object for each OnDemand report and posting date combination found. In order to improve archival performance, up to 20 documents with the same report name and posting date will be archived within a single OnDemand object. When all available batches of documents have been archived, the monitor will go back to sleep. If less than 20 documents have been archived in the last OnDemand object created, the AnyStore monitor will leave the OnDemand object open when it goes back to sleep. If additional documents are delivered with the same OnDemand report name and posting date, they will be added to the open OnDemand object.

It is important to know that as long as the last OnDemand object remains open, the documents within it cannot be viewed. For this reason, the monitor uses an inactivity timer. When the monitor has been inactive for 5 minutes (default), it will automatically close the OnDemand object that is open. After the OnDemand object is closed, the documents within it can be viewed successfully.

It is also important to know that even though up to 20 images are combined in one OnDemand object, each individual image is still retrievable using the OnDemand Client.

Changing the Default Inactivity Time

The default inactivity time can be changed by creating a data area in the QRDARSK library named QRLSINACT. A sample command to create the data area is shown below (Note: The data area **MUST** be defined as TYPE(*DEC) LEN(3 0)):

```
CRTDTAARA DTAARA(QRDARSK/QRLSINACT) TYPE(*DEC) LEN(3 0) VALUE(10)
      TEXT('Inactivity Timer Data Area')
```

The example above will set the inactivity timer to a value of 10 minutes. If the AnyStore monitor has not archived anything in 10 minutes, it will close the OnDemand object that is presently opened. Once the OnDemand object is closed, the documents within the object can be viewed using the OnDemand Client.

The inactive time can be from 1 to 999 minutes. Once the data area has been created, the value can be changed using the CHGDTAARA or WRKDTAARA commands.

If the data area is not found by the monitor, or the value is less than 1, the default of 5 minutes will be used. The shorter the time, the sooner documents can be viewed. However, this can result in more OnDemand objects which can increase OnDemand Report Management Cycle processing times and optical storage backup times.

Starting the AnyStore Monitor

To start the indexing of documents to OnDemand for iSeries, run the STRMONANYS command. This command will automatically run the AnyStore monitor as a batch job. The command and it's parameters are shown in the figure below. More details are given in Appendix A. Commands.

```
                START MONITOR FOR ANYSTORE (STRMONANYS)

Type choices, press Enter.
END DATE . . . . . .   *NONE         DATE (YYYYMMDD), *NONE, ...
TIME TO END  . . . . . . . . .   235500        Time
MONITOR LOGGING  . . . . . .   *ENHANCED     *BASIC, *ENHANCED
DELETE PROCESSED FILES . . . . .   *YES          *YES, *NO

                          Additional Parameters
SUBMIT TO BATCH  . . . . . .   *YES          *YES, *NO
BATCH JOB NAME . . . . . .   MONANYS       Name
JOB DESCRIPTION  . . . . . .   QRDARS400     Name
  LIBRARY  . . . . . .     QRDARS      Name, *LIBL, *CURLIB

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

A sample OS/400 command to add the AnyStore monitor to the OS/400 job scheduler is shown below. User QRDARS400 is required to ensure access to all necessary OnDemand report definitions.

```
ADDJOBSCDE JOB(STRANYSTOR) CMD(STRMONANYS SBMJOB(*NO))
   FRQ(*WEEKLY) SCDDAY(*MON *TUE *WED *THU *FRI)
   SCDTIME('08:00:00') USER(QRDARS400) TEXT('Start OnDemand
   AnyStore Monitor')
```

Ending the AnyStore Monitor

The AnyStore Monitor program **MUST** be ended by running the ENDMONANYS command. If the monitor is ended in any other way, there is a possibility that documents will not be retrievable. The command and it's parameters are shown in the figure below.

```
                END MONITOR FOR ANYSTORE (ENDMONANYS)



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

 No parameters to show; press Enter to run, F3 to exit.
```

A sample OS/400 command to add the end monitor to the OS/400 job scheduler is shown below.

```
ADDJOBSCDE JOB(ENDANYSTOR) CMD(ENDMONANYS) FRQ(*WEEKLY)
   SCDDAY(*MON *TUE *WED *THU *FRI) SCDTIME('17:00:00')
   USER(QRDARS400) TEXT('End OnDemand AnyStore Monitor')
```

Chapter 6. Troubleshooting and Error Recovery

Error Categories

Errors can occur in several categories:

1. Ascent Capture errors, which include all errors from the point of scanning through the successful release of the documents and indexing information within the batch and the subsequent automatic deletion of the batch from the Ascent Capture system.

   - Ascent Capture errors are handled by the Ascent Capture product. See Appendix C in *Getting Started with Ascent Capture* for additional information about troubleshooting Ascent Capture errors. You may also want to visit the Ascent Capture technical support Web site at http://www.kofax.com.

2. OnDemand for iSeries Release

   - ODBC errors
   - Client Access errors
   - OS/400 Host Server support
   - Database 2/400

3. Indexing data edit checks performed prior to calling the AnyStore indexing APIs. There are three edit checks that are performed with the following messages recorded if they occur:

   - If document id or path is blank, the message; “RDR0067 = Field cannot be blank” is issued.
   - If the report name is blank, the message; “RDR0001 = The report definition not found” is issued
   - If all of the five keys field are blank, the message; “RDR0135 = At least one key value must be specified” is issued

   Edit check errors are processed and reported in the same way as AnyStore indexing errors as described below.

4. AnyStore archiving errors, which include all errors that occur in the AnyStore monitor when calling the AnyStore APIs. Also included are errors that are returned from user exit programs.

   - If errors occur during archival, then an error message is written to the OS/400 joblog and one record is written to the QARLSLOG file, the QARLSTLOG file, and the QARLSEXCPT file.
   - The QARLSLOG file contains the indexing information, the error message id and any reason code information. See appendix D for assistance in displaying an AnyStore error message description.

     The QARSLOG file can be displayed using Query, the Data File Utility, or the display physical file member (DSPPFM) command.

An enhanced log file is now available, QARLSTLOG. The QARLSTLOG file can be displayed using the command DSPLOGANYS. The command and it's parameters are shown in the figure below.

```
                    DISPLAY LOG FOR ANYSTORE (DSPLOGANYS)

 Type choices, press Enter.

 LOG ENTRY TYPE . . . . . .   *ALL         *ALL, *ERRORS, *PROCESSED
 REPORT NAME  . . . . . . .   *ALL         NAME, GENERIC*, *ALL...
 DOCUMENT IDENTIFIER  . . . . .   *ALL
 DOCUMENT DATE RANGE:
   FROM DATE  . . . . . . .   *AVAIL       DATE (YYYYMMDD), *AVAIL, ...
   TO DATE  . . . . . . . .   *CURRENT     DATE (YYYYMMDD), *CURRENT
 RUN DATE RANGE:
   FROM DATE  . . . . . . .   *AVAIL       DATE (YYYYMMDD), *AVAIL, ...
   TO DATE  . . . . . . . .   *CURRENT     DATE (YYYYMMDD), *CURRENT

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

The DSPLOGANYS allows you to specify various parameters to reduce the numbers of messages displayed. These parameters, and some of their uses, include:

LOG ENTRY TYPE - Show only error messages, or show only processed messages

REPORT NAME - Show only messages for a specific report, or a set of reports beginning with a generic name.

DOCUMENT IDENTIFIER - Show only messages related to a specific document, or a set of documents beginning with a generic name. This can be useful if your document ids are prefixed by the name of the scanning workstation. For example, specifying SCAN01* would display messages for all document identifiers scanned at the SCAN01 workstation. This capability is dependent on how you configure Kofax Ascent Capture.

- The QARLSEXCPT file contains only the indexing information. This file can be corrected using the Data File Utility.
- After the QARLSEXCPT file has been corrected, program QRLSRESET can be called to reset the files for reprocessing.
- Before running the QRLSRESET program, be sure that the AnyStore Monitor has been stopped.
- To run the QRLSRESET program enter the following command:

CALL PGM(QRDARSK/QRLSRESET)

When the files are reset, the QARLSEXCPT and QARLSLOG files will be cleared.

After the files have been reset, restart the AnyStore monitor.

Information Needed Before Contacting Technical Support

1. What version of Client Access is being used? (Click on Start > Programs > IBM iSeries Access for Windows > iSeries Access for Windows Properties and record the version, release, modification level and service level installed.)
2. What release of OS/400 is being used? (Use GO LICPGM at the OS/400 command line and select option 10, then press F11 to view the installed release.)
3. What cumulative PTF package is applied on the OS/400? (Use the OS/400 DSPPTF command to determine this.) **See PSP report for the appropriate version of OS/400 to determine the latest available cumulative level for the release of OS/400. These are PTF cover letters for PTFs SF98vrm (vrm = version, release, modification level) , eg. SF98520 for V5R2M0.**
4. What PTFs are installed for OnDemand? (Use the command DSPPTF 5722RD1 to determine this.) Verify that the most current AnyStore PTF is installed.
5. What version of Windows is being used? 98/2000/XP? What service level of Windows is applied? Windows 98 Service Pack 1, Windows 98 SE, Windows 2000 Service Pack 1-4, Windows XP Service Pack 1? (Click on Start > Settings > Control Panel > System and record the Windows product installed and its version information listed on the general tab.
6. What version of Microsoft ODBC support is installed? (Click on Start > Settings > Control Panel > Administrative Tools > Data Sources (ODBC) > About tab and then record all version levels listed.) **At the time this guide was published, the current version available from the Microsoft web site is 3.520.9030.0.**
7. What version of the release code is being used? (Open up the Release Setup window and select the Help pull down menu, then select *About* and record the version.)
8. What version of Kofax Ascent Capture is installed? The 32-bit OnDemand Release Script will work with Kofax Ascent Capture version 5 or higher. Earlier versions are no longer supported by Kofax.
9. ODBC is supported by a QZDASOINIT host server job under the QSERVER subsystem. To view the joblog for this job do the following:
   - WRKACTJOB SBS(QSERVER)
   - Press F14 to include hidden jobs.
   - Find the QZDASOINIT job(s) and do an option 5 and then option 10 to view the joblog. There may be more than one of these jobs. To find the correct job, look for a message in the joblog indicating which user profile is being serviced.
   - After finding the correct job, look through the joblog for errors. And optionally, use the job name information to print the joblog for faxing to IBM OnDemand Technical Support.
10. Can the user map a network drive to the iSeries? If a network drive is not mapped to the iSeries the scanned objects can not be moved to the iSeries, and the release process will fail on the PC. Network drives is supported by a QZLSFILE server job under the QSERVER subsystem. To view the joblog for this job do the following:
    - WRKACTJOB SBS(QSERVER)

- Press F14 to include hidden jobs.
- Find the QZLSFILE job(s) and do an option 5 and then option 10 to view the joblog. There may be more than one of these jobs. To find the correct job, look for a message in the joblog indicating which user profile is being serviced.
- After finding the correct job, look through the joblog for errors. An optionally, use the job name information to print the joblog for faxing in to development.

11. The user logging on the Client Access must be authorized to OnDemand. Check by entering GO ONDEMAND, then option 1, then option 10 to view the authorization list and verify that the user is listed with at least *CHANGE authority.
12. End the monitor job by entering ENDMONANYS. Check the file QRDARSK/QARLSTLOG file for entries using the command DSPLOGANYS . Find the error code and take the appropriate action to resolve. After resolving the problem, call program QRDARSK/QRLSRESET to move the error records back into the database files. Start the monitor job by entering STRMONANYS .

Chapter 7. User Exit Programming

There is a program on the iSeries that performs OnDemand for iSeries archiving for each document transferred from the Ascent Capture to the iSeries. The indexing program has an Inbound User Exit, QRLSEXIT01, and an Outbound User Exit, QRLSEXIT02. In each case a data structure is passed to a stub program that currently performs no processing except returning to the calling program. The stub programs can be replaced or modified to perform customer-specific processing.

The data structure passed to both User Exit programs is as follows:

Field Name	Size	Status	Initial Offset	Comments
DOCUMENT_ID	15 Char	Unique key	1	Generated by the Ascent Capture software at time of release. This field contains the Ascent Capture Workstation ID (7) and Document ID (8). Reserved. No need for User Defined relationship to this field.
KEY_1	25 Char	Optional	9	AnyStore indexing key field 1. Default is Blanks.
KEY_2	20 Char	Optional	34	AnyStore indexing key field 2. Default is Blanks.
KEY_3	20 Char	Optional	54	AnyStore indexing key field 3. Default is Blanks.
KEY_4	20 Char	Optional	74	AnyStore indexing key field 4. Default is Blanks.
KEY_5	15 Char	Optional	94	AnyStore indexing key field 5. Default is Blanks.
REPORT_NAME	10 Char	Required	109	AnyStore report name as defined in OnDemand for iSeries setup.
VERSION	2 Char	Optional	119	AnyStore report version as defined in OnDemand for iSeries setup. If not provided then default is 01.
POSTING_DATE	10 Char	Optional	121	If not provided, then default is OS/400 system date.
RUN_COMMENT	50 Char	Optional	131	If not provided, then default is blanks.

Inbound User Exit - QRLSEXIT01

The Inbound User Exit program, QRLSEXIT01, is called once for each document processed prior to indexing being performed. A typical application for the Inbound User Exit is to read a customer database based on a single index value and return values in other fields that will be used for indexing to OnDemand for iSeries.

The source code for the exit program is found in file QSAMPLES in library QRDARSK. Member QRLSEXIT1C in QSAMPLES contains a COBOL sample exit program. Member QRLSEXIT1R contains an RPG sample exit program. When compiled, the program should be named QRLSEXIT01 and should be placed in the QUSRRDARS library.

Outbound User Exit - QRLSEXIT02

The Outbound User Exit program, QRLSEXIT02, is called once for each document processed after indexing has been performed. A typical application of the Outbound User Exit is to write the indexing information to a log file.

The source code for the exit program is found in file QSAMPLES in library QRDARSK. Member QRLSEXIT2C in QSAMPLES contains a COBOL sample exit program. Member QRLSEXIT2R contains an RPG sample exit program. When compiled, the program should be named QRLSEXIT02 and should be placed in the QUSRRDARS library.

Chapter 8. Commands

Commands

The following commands are added to the AnyStore Integration Release Script feature by PTF SF64363

STRMONANYS

This command starts the AnyStore monitor running on the iSeries. (This command replaces the call to the QRLSSTART program that was used previously.)

```
                    START MONITOR FOR ANYSTORE (STRMONANYS)

Type choices, press Enter.
END DATE . . . . . . . . . . . . .   *NONE          DATE (YYYYMMDD), *NONE
TIME TO END  . . . . . . . . . . .   235500        Time
MONITOR LOGGING  . . . . . . . . .   *ENHANCED     *BASIC, *ENHANCED
DELETE PROCESSED FILES . . . . . > *NO            *YES, *NO
PATH FOR PROCESSED IFS FILES . .   '/ASCENT/PROCESSED/'

                           Additional Parameters
SUBMIT TO BATCH  . . . . . . . . .   *YES          *YES, *NO
BATCH JOB NAME . . . . . . . . . .   MONANYS       Name
JOB DESCRIPTION  . . . . . . . . .   QRDARS400     Name
  LIBRARY  . . . . . . . . . . . .     QRDARS      Name, *LIBL, *CURLIB

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

The parameters for the command are:

End Date - The date to end the monitor (defaults to *NONE like STRMONRDAR). This works the same as the STRMONRDAR end date.

Time to end - The time of day that the monitor should automatically end (defaults to 235500 like STRMONRDAR). This works the same as the STRMONRDAR time to end.

Monitor logging - This enables either the new enhanced logging (Default) or the old (basic) logging. The QRLSSTART program has been changed to provide the old logging if it is called without parameters, the way that it currently works today, so that customers who call the QRLSSTART program on their job scheduler will not be broken when the PTF is applied. If you want to get the enhanced logging you must use the STRMONANYS command.

Delete processed files - This enables you to save processed IFS files in a "processed" directory. By default it deletes the files when they are successfully archived as the monitor does today. If the *NO option is specified, another prompt is displayed which allows you to specify the directory for processed files to moved to, by default it is /ASCENT/PROCESSED/. The /ASCENT/PROCESSED/ directory is created during installation of PTF SF64363.

Submit to batch - enables the monitor to be submitted to batch. The default is to submit it to batch like STRMONRDAR.

Batch job name - Allows you to specify the name of the monitor job when it is submitted to batch, making it easier to identify using the WRKACTJOB command. The default job name is MONANYS.

Job description - The job description used when the job is submitted to batch. The default job description is QRDARS/QRDARS400.

ENDMONANYS

This command ends the AnyStore monitor running on the iSeries. (This command replaces the call to the QRLSEND program that was used previously.) The AnyStore Monitor program **MUST** be ended by running the ENDMONANYS command. If the monitor is ended in any other way, there is a possibility that documents will not be retrievable. The command has no parameters.

```
                END MONITOR FOR ANYSTORE (ENDMONANYS)




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

 No parameters to show; press Enter to run, F3 to exit.
```

DSPLOGANYS

This command displays the new AnyStore monitor enhanced transaction log, stored in file QARLSTLOG.

```
                    DISPLAY LOG FOR ANYSTORE (DSPLOGANYS)
 Type choices, press Enter.

 LOG ENTRY TYPE . . . . . .   *ALL         *ALL, *ERRORS, *PROCESSED
 REPORT NAME  . . . . . . .   *ALL         NAME, GENERIC*, *ALL...
 DOCUMENT IDENTIFIER  . . . . .   *ALL
 DOCUMENT DATE RANGE:
   FROM DATE  . . . . . . .   *AVAIL       DATE (YYYYMMDD), *AVAIL, ...
   TO DATE  . . . . . . . .   *CURRENT     DATE (YYYYMMDD), *CURRENT
 RUN DATE RANGE:
   FROM DATE  . . . . . . .   *AVAIL       DATE (YYYYMMDD), *AVAIL, ...
   TO DATE  . . . . . . . .   *CURRENT     DATE (YYYYMMDD), *CURRENT

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

The parameters for the command are:

Log entry type - This can be either entries for errors, entries for successfully processed files or ALL entries. The default is to display all entries.

Report name - Enables you to only display log entries for a certain report, a generic report name or ALL reports. If the F4 key is pressed a list if AnyStore report names is presented. The default is to display log entries for ALL reports.

Document Identifier - This enables you to display log entries for a specific Kofax document identifier. The default is to display entries for all document identifiers.

Document date range - Allows you to display of log entries for a specific document (posting) date range. The default is from *AVAIL to *CURRENT.

Run date range - Allows you to display of log entries for a specific AnyStore monitor run date range. The default is from *AVAIL to *CURRENT.

DLTLOGANYS

This command allows you to purge transactions from the enhanced transaction log file that are older than a specified retention period.

```
                    DELETE LOG FOR ANYSTORE (DLTLOGANYS)

Type choices, press Enter.

DAYS OF LOG ENTRIES TO RETAIN  .   30            0-999




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

The only parameter for this command is Days of log entries to retain. The default is to delete log entries older than 30 days.

Chapter 9. Backup and Recovery

Ascent Capture Database Backup and Recovery

See the manual *Getting Started with Ascent Capture.*

OnDemand for iSeries AnyStore Integration Database Backup and Recovery

To backup the integration database, save all of the files in the QRDARSK library on the iSeries. This can be accomplished using the Save Object command as shown below:

SAVOBJ OBJ(*ALL) LIB(QRDARSK) DEV(TAPxx) OBJTYPE(*FILE)

OnDemand for iSeries Backup and Recovery

See the *Content Manager OnDemand for iSeries Administration Guide,* SC41-5325**.**

Chapter 10. Security Considerations

OS/400 Integrated File System Security

The /ASCENT IFS directory and its subdirectories should be secured for use to only authorized OnDemand for iSeries users. The QRDARS400 authorization list is used by OnDemand for iSeries to specify who has access to OnDemand archived objects. Each OnDemand for iSeries user should be added to the QRDARS400 authorization list using the OnDemand Report Administration Menu (RDARSRPT), option 10. For further information about OnDemand for iSeries security, refer to the *Content Manager OnDemand for iSeries Administration Guide.*

OnDemand for iSeries Security

OnDemand provides security at the report group, report and key levels for AnyStore reports.

For further information about OnDemand for iSeries security, see the *Content Manager OnDemand for iSeries Administration Guide,* SC41-5325.

Chapter 11. Error Messages

Ascent Capture Error Messages

To view the meaning of a message displayed by Ascent Capture, visit the Kofax Image Products Web Site at http://www.kofax.com.

Error messages are logged into the \Program Files\Ascent\Logs\ERR_yymm.txt file and \Program Files\Ascent\Logs\LOG_yymm.txt files, where yymm is the year and month that the failing job was run.

AnyStore Error Messages

All AnyStore Error messages can be found in the QRLCMSGF message file in library QRDARS.

To view a message description, use the Display Message Description command (DSPMSGD) or the Work Message Description command (WRKMSGD).

Example for AnyStore Feature

DSPMSGD MSGID(RDR2501) MSGF(QRDARS/QRLCMSGF)

Chapter 12. Using the iSeries AnyStore Monitor to Archive User Defined Data

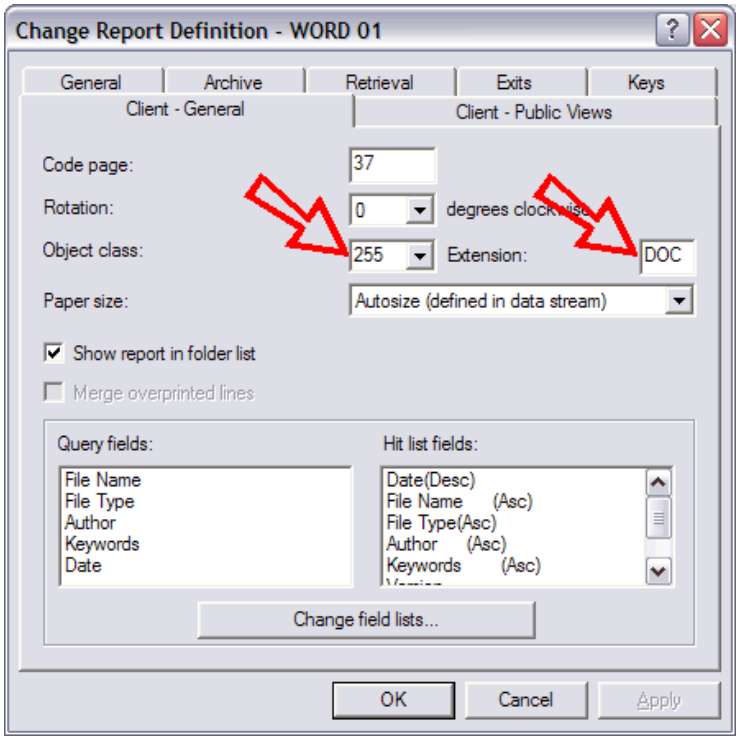
Using the AnyStore monitor, it is possible to archive any PC file stored in an Integrated File System (IFS) directory on the iSeries. Once a file has been archived, it can be retrieved using the OnDemand Client. If the object type of the archived file is specified as User Defined, the OnDemand Client will launch an application that is associated with the file extension of the file. Using this approach, files such as word processing documents, spreadsheets or presentations could be archived in OnDemand and then retrieved using the Client. When the PC file is retrieved by the OnDemand Client, the appropriate PC application will be launched to display the PC file.

In order to archive and retrieve User Defined Data, a report definition must be created with a report type of ANYS, a data type of *IFS and an object class of 255 (User Defined). The PC file extension must be specified using either iSeries Navigator or the BLDAPP program from a 5250 session. The PC file extension is sent to the OnDemand Client when the file is retrieved and it is the extension which determines which PC application will be launched to display the file.

Setting The PC File Extension to Launch a PC Application

Using iSeries Navigator to set the PC File Extension

When creating or updating an ANYS report definition, the Client - General dialog has two parameters that are critical for User Defined Data. The *Object class* parameter must be set to 255 and the *Extension* parameter must be set to the three letter file extension for the type of documents being archived.



Using a 5250 session to set the PC File Extension

1. Create a source physical file by issuing CRTSRCPF FILE(QGPL/APPSRC) (Note: this file must be in library QGPL.)
2. Add a member to this file using the name of the report as the member name. You can use SEU to add the member and edit it. The type of member does not matter, but you should describe it as TXT so that no syntax checking will be done. The contents of this member will be described later.
3. Edit the member and specify the file extension you want to set. See the sample below for what can be specified in this member.
4. Run the BLDAPP program specifying the report name (all upper case characters) as the first parameter and the version number of the report as the second parameter. Because the version number is numeric, you **MUST** enclose the value in apostrophes.

   For example, to specify different defaults for the WORD report you would create a member called WORD in the APPSRC file in library QGPL. After editing it with the data you want, you would then call the QRLGBLDA program as follows:

   CALL QRDARS/QRLGBLDA PARM(WORD '01')

   The contents of the member in the APPSRC file in library QGPL could look like this:

```
[@_FIXED_@]
* An * in column 1 makes the record a comment record
LRECL=133
RECFM=F
CC=ANSI
CDPG=37
EXTENSION=DOC
```

   Each parameter must be on a separate line as shown. Lines 1-5 above **MUST NOT** be changed. The code page for your iSeries might not be 37 (US English), so the CDPG value may need to be changed in line 6.

   The [@_FIXED_@] must be entered exactly as shown. On many PCs, you may have to change the keyboard mapping for the terminal emulator to get the square brackets (even though square brackets are shown on the keyboard itself). If the square brackets don't show on the screen then they are probably not the right character.

Working with AnyStore Monitor Files to Archive User Defined Data

The AnyStore monitor uses two DB2/400 database files during processing:

- The Document Store File (QARLSSTOR)
- The Document Path File (DOCUMENTS)

The Document Path File contains the path and file name of the IFS file to be archived.

Note that the file name can not contain any blanks. For example:

This file name will work: `OD_SFA_Work_Management.doc`

This file name will NOT work: `OD SFA Work Management.doc`

Each IFS file must be assigned a unique document ID which matches the document ID of a cooresponding record in the Document Store File.

DOCUMENTS File Field Name	Max. Length / Type	Optional / Required	Comments
DOCUMENT_ID	15 CHARACTER	Required	A unique identifier for the document to be archived. Must match the ANYSTORE_DOCID of a record in the QARLSSTOR file. The document identifier is only used to distinguish documents until the documents are archived. Example identifiers might be the PC file name, your user id or your workstation id plus a sequence number. Any value can be used, as long as it is unique. Will also be used as the processed document name, if processed documents are not deleted.
DOCUMENT_PATH	50 CHARACTER	Required	The iSeries IFS path and file name of the file to be archived. (eg. E:/PCFILES/WRKSHEET.WK3)

The Document Store File contains the index data required by AnyStore to archive an IFS file. Each IFS file must be assigned a unique document ID which matches the document ID of a corresponding record in the Document Path File.

QARLSSTOR File Field Name	Max. Length / Type	Optional / Required	Comments
ANYSTORE_DOCID	15 CHARACTER	Required	A unique identifier for the document to be archived. Must match the DOCUMENT_DOCID of a record in the DOCUMENTS file. (eg. SCAN01000000005)
ANYSTORE_KEY1	25 CHARACTER	Optional*	OnDemand for iSeries indexing field 1. Default is Blank.
ANYSTORE_KEY2	20 CHARACTER	Optional*	OnDemand for iSeries indexing field 2. Default is Blank.
ANYSTORE_KEY3	20 CHARACTER	Optional*	OnDemand for iSeries indexing field 3. Default is Blank.
ANYSTORE_KEY4	20 CHARACTER	Optional*	OnDemand for iSeries indexing field 4. Default is Blank.
ANYSTORE_KEY5	15 CHARACTER	Optional*	OnDemand for iSeries indexing field 5. Default is Blank.
ANYSTORE_REPORT_NAME	10 CHARACTER	Required	OnDemand for iSeries report definition name as defined in OnDemand for iSeries setup.
ANYSTORE_VERSION	2 CHARACTER	Optional	OnDemand for iSeries report version as defined in OnDemand for iSeries setup. If not provided, the default is 01. A leading zero is required for single digit versions.
ANYSTORE_POSTING_DATE	10 CHARACTER	Optional	The date of record for this file. This date can be used by OnDemand for retrieval of the file. If not provided, the default is the iSeries's system date. Date must be in ISO date format (YYYY-MM-DD) or (YYYYMMDD). (eg. 2000-05-01 or 20000501)
ANYSTORE_RUN_COMMENT	50 CHARACTER	Optional	If not provided, the default is the report name description as defined in OnDemand for iSeries report definition.

*** An index value must be specified for at least one index field.**

The AnyStore monitor uses the QARLSSTOR file to trigger archive processing. The correct steps for archiving IFS files using the AnyStore Monitor is:

- Place the file to be archived in an IFS directory on the iSeries.
- Write a record in the DOCUMENTS file with the path and file name of the IFS file. This can be done using a program, or the Data File Utility.
- Write a record in the QARLSSTOR file with the index information needed to archive and retrieve the IFS file, using the same document ID used in the DOCUMENTS file. This can be done using a program, or the Data File Utility.
- If the AnyStore monitor has not been started, start it to archive the IFS file into OnDemand. If the AnyStore monitor is already running, the IFS file will be archived into OnDemand automatically.
- Use the OnDemand Client to retrieve the IFS file and launch the Windows™ associated workstation application to view the IFS file.

Chapter 13. Content Manager Integration

Integration of OnDemand AnyStore data with IBM Content Manager for iSeries (Content Manager; formerly known as IBM ImagePlus® VisualInfo™, VI/400) is now supported using the CM Integration Index Exit program, QRLWEXITV.

For more details on the implementation of CM Integration with AnyStore data, see the document titled *Integrating Content Manager OnDemand AnyStore Documents with Content Manager,* available on the Library page of the OnDemand for iSeries website at

http://www.ibm.com/software/data/ondemand/400/library.html

Part 2. OnDemand Common Server Integration with Kofax Ascent Capture

Chapter 14. Overview

Kofax Ascent Capture images can be stored in OnDemand Common Server, just as they can be stored in Spool File Archive. However, the interface to Common Server is significantly different from the AnyStore Release Script used with Spool File Archive. The limit of 5 keys has been removed and there is no longer a requirement for an ODBC interface.

As in the AnyStore Release Script interface for Spool File Archive, a network drive must be mapped to an Integrated File System (IFS) directory. This mapped directory is where the release data is placed. The data is then stored into OnDemand by utilizing the **arsload** API in the QSHELL environment.

Ascent Capture Release Files

The Ascent Capture Release Script for Common Server creates files in an IFS directory using the following name format:

`IBMCM.ODKRel.ACClass1.ACClass2.YYYYMMDD.HHMMSS.ARD`

`IBMCM.ODKRel.ACClass1.ACClass2.YYYYMMDD.HHMMSS.ARD.ind`

`IBMCM.ODKRel.ACClass1.ACClass2.YYYYMMDD.HHMMSS.ARD.out`

- **IBMCM** - Constant value. This is the MVS position of the MVS naming convention used by the arsload API.
- **ODKREL** - Constant value. This is the Job Name position of the MVS naming convention used by the arsload API.
- **ACClass1** - Set based on the value chosen in the Common Server Release Script on the Document Storage tab under OnDemand File Naming. If *Document Class maps to Application Group* is chosen, this value will be the batch class. If *Document Class maps to Application* is chosen, this value will be the document class.
- **ACClass2** - Set based on the value chosen in the Common Server Release Script on the Document Storage tab under OnDemand File Naming. If *Document Class maps to Application Group* is chosen, this value will be the document class. If *Document Class maps to Application* is chosen, this value will be the batch class.
- **YYYYMMDD** - The date the batch was released.
- **HHMMSS** - The time the batch was released.
- **ARD** - Constant value.
- **ind** - Constant value which identifies the index stream file.
- **out** - Constant value which identifies the data stream file. This contains all the released documents concatenated together in a single file.

Chapter 15. Setup Tasks - iSeries and Workstation

Prerequisite Software

- OnDemand (5722-RD1) Version 5 Release 1 or above Common Server (not Spool File Archive)
- OnDemand Administrator Version 7.1.0.5 or above
- Ascent Capture Version 5.0 or above
- IBM Content Manager OnDemand Common Server Release Script for Kofax Ascent Capture Version 5.0 or above. The Common Server release script is available at no charge as Freeware from the Kofax website at http://www.kofax.com/products/ascent/release_scripts/partner.asp#freeware

For additional information, please refer to the Release Script documentation available from the Kofax website noted above. The OnDemand AnyStore feature (5722-RD1 option 4) and the AnyStore Integration PRPQ (5799-GEQ option 3) are not required for the Ascent Capture Release Script interface to Common Server.

Change Regional Date Settings

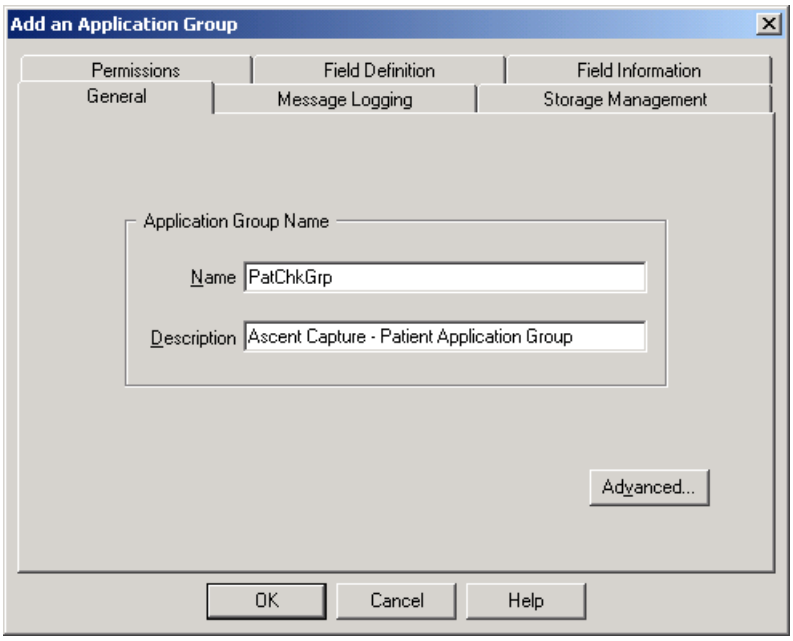
The default date format may need to be changed. In Windows XP, for example, the date format can be verified and changed if needed using the Control Panel.

- Go to Control Panel.
- Open "Regional and Language Options".
- Click the Customize button and then select the Date tab. Note the *Short date format* field. This date format must match the date format specified when the date field is defined in the Application Group. For example, if the Application Group date format is %m/%d/%Y, the *Short date* format must be **MM/dd/yyyy**.

OnDemand for iSeries Setup

Create an application group for Ascent Capture

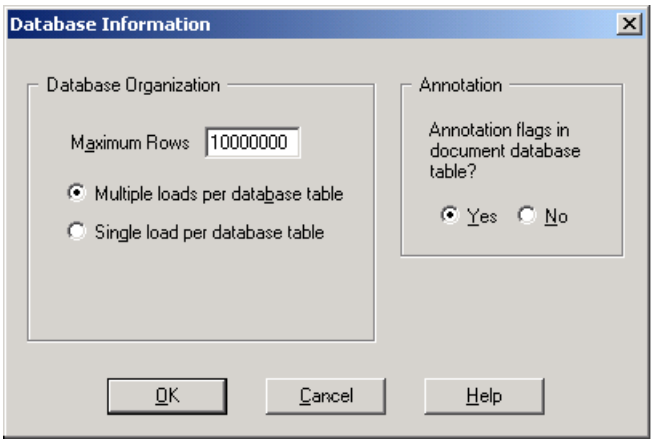
- Open the OnDemand32 Administrator.
- Log onto the OnDemand Server where the report definition is to be created.
- In the left panel, highlight **Application Groups** and select **New Application Group**.



- On the **General** tab, enter the *Application Group Name* and *Application Group Description*.

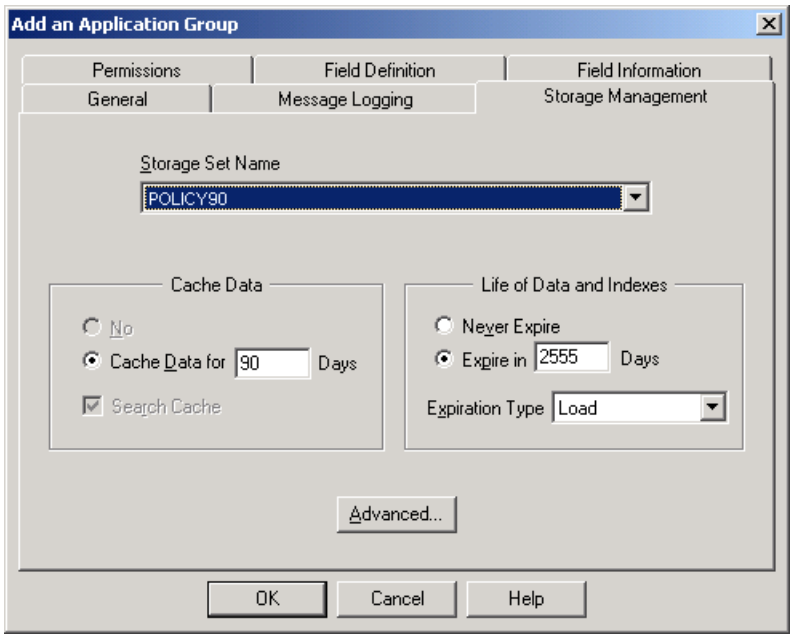
The *Application Group Name* must be unique. Even though the *Application Group Name* can be 60 characters, if you are storing reports from OS/400 spooled files, it is suggested that the *Application Group Name* should be 10 characters or less.

- Select the **Advanced** button to access the **Database Information** panel.



The *Annotation Flag* field should be **Yes** to allow the notes symbol to be displayed when the document hit list is shown. Press **OK** to return to **Application Group General** tab.

- Select the **Storage Management** tab.



Select the *Storage Set Name* that relates to the Migration Policy for this Application.

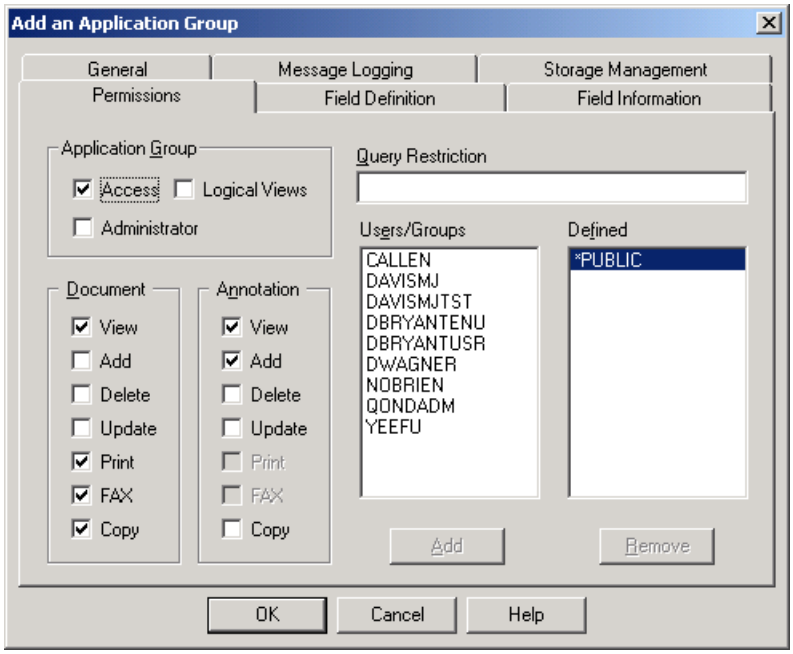
Enter the *Cache Data* (disk storage in the IFS) and the *Life of Data and Indexes* values you require.

The Life of Data and Indexes should be the total of sum of the duration values for all iSeries Navigator Common Server Migration Policy storage levels plus the number of days in Cache Data days.

Select the *Expiration Type* desired. This defines how the application data will expire.

- Load - Data and indexes are expired by input file (one Load at a time).
- Segment - Data and indexes are expired one Segment at a time.
- Document - Data and indexes are expired one Document at a time.

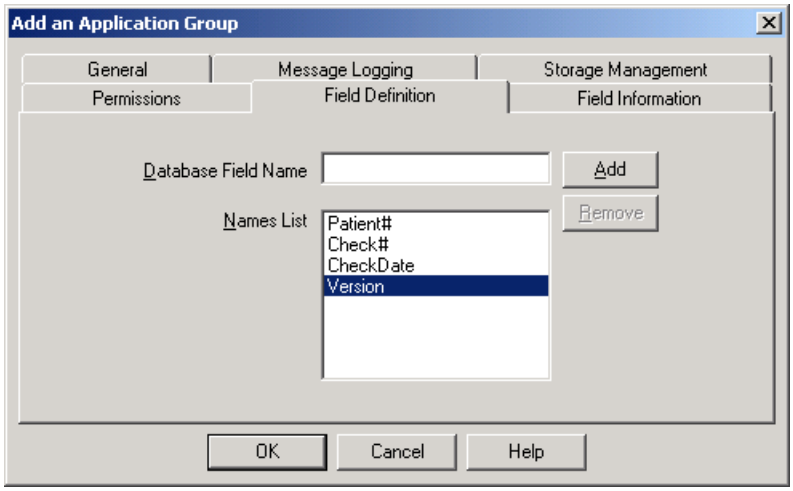
- Select the **Permissions** tab.



Choose the Application Group and Application Group data permissions for users, user groups and *PUBLIC.

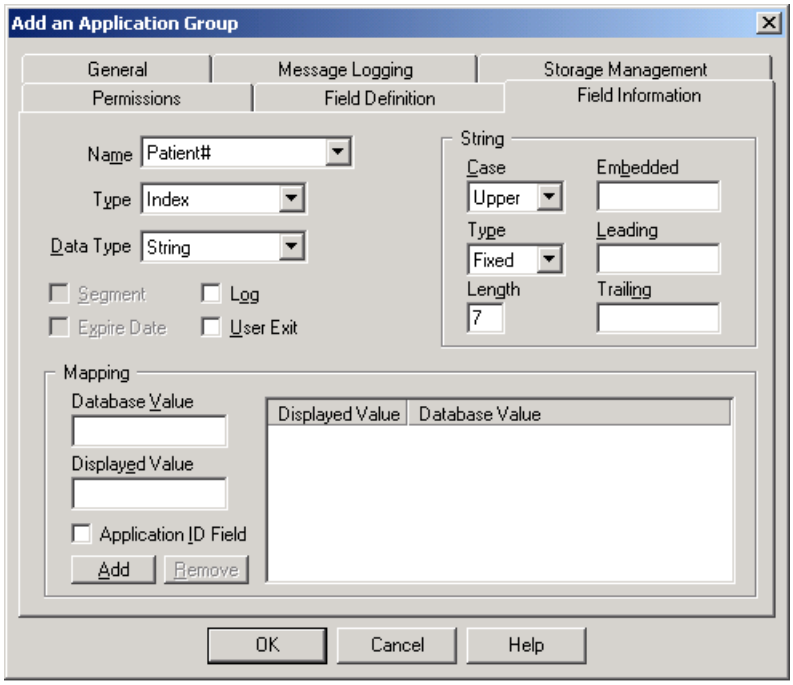
Enter Query Restrictions as needed.

- Select the **Field Definitions** tab.



Add a *Database Field Name* for each Application Group field by keying the field name and selecting the **Add** button.

- Select the **Field Information** tab and enter the field information.



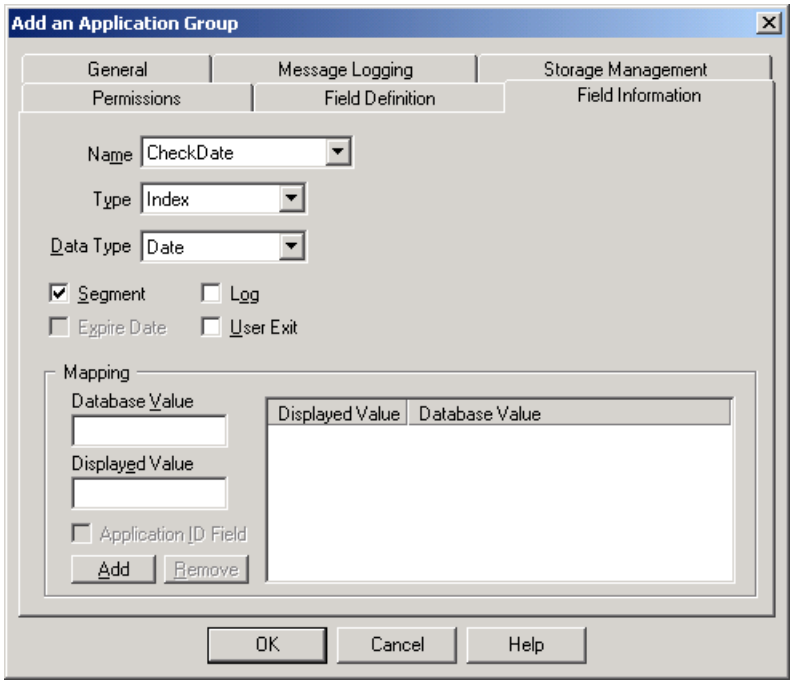
Change each defined field by selecting the field in the *Name* box.

Enter the *Type* of field (Index, Filter, or Not in the Database)

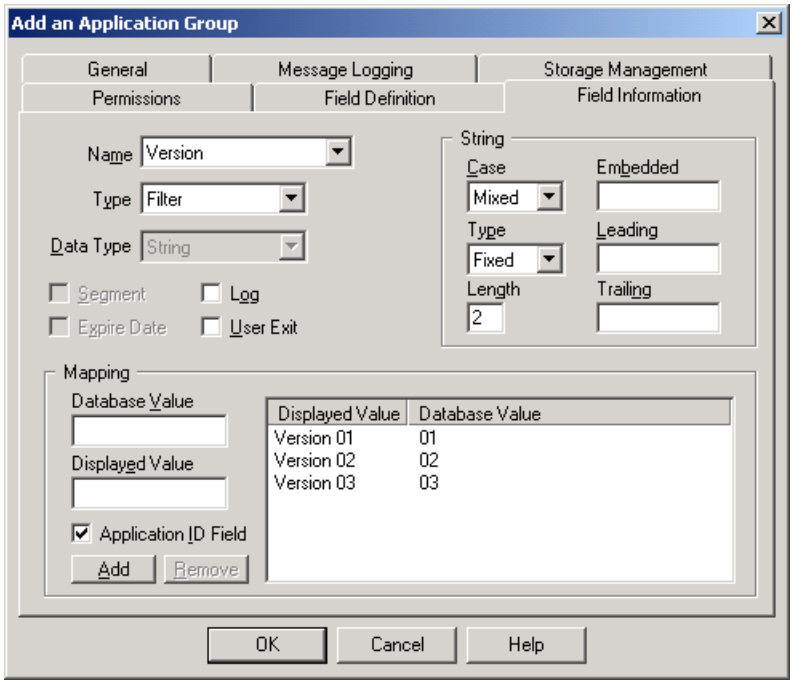
Enter the *Data Type* for the field (String, Integer, Decimal, Date, Date/Time, etc.).

If the field has a *Data Type* of *String*, the String *Length* must be specified.

A segmentation field should be selected. This field will have a Data Type of Date or Date/Time.



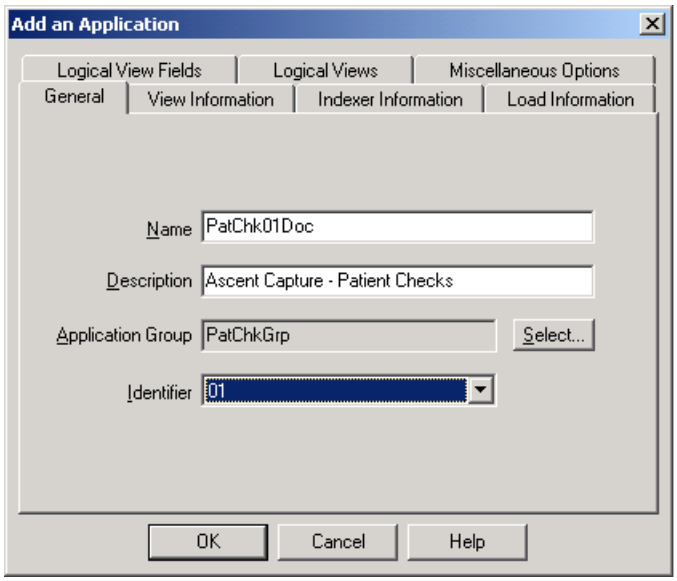
Also, a Version field should be created. Creating this field provides a versioning capability that is similar to that which exists in Spool File Archive. This field is defined as a filter or index. If using a Version field, enter the version value(s) under the *Mapping* parameter. The *Database Value* and *Displayed Value* must be entered. This field is also defined as an *Application ID* field.



- Press **OK** to create Application Group.

Create an application for Ascent Capture

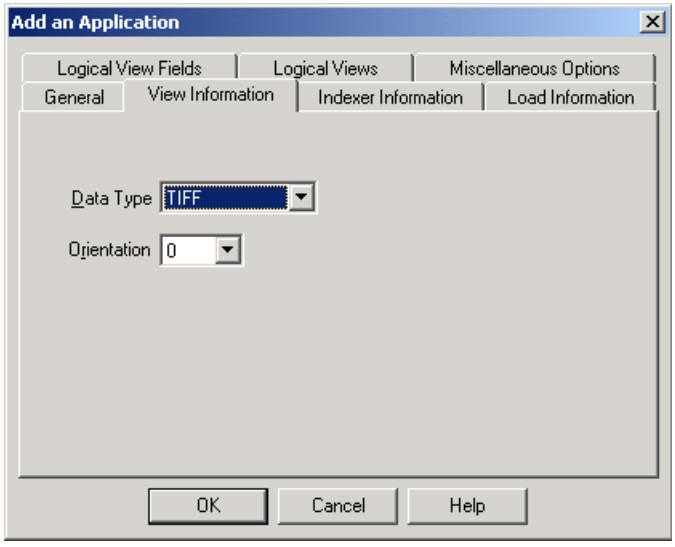
- In the left panel, highlight **Application** and select **New Application**.



- On the **General** tab, enter the Application *Name* and Application *Description*.

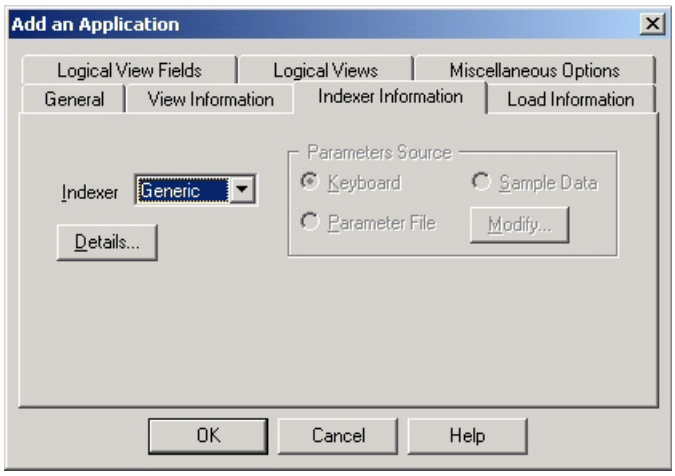
The Application Name can be 60 characters, however, it is recommended that the *Name* be restricted to 1 to 10 characters. An *Application Group* must be selected. If that *Application Group* has an Application *Identifier* field, the Application *Identifier* must be selected.

- Select the **View Information** tab.



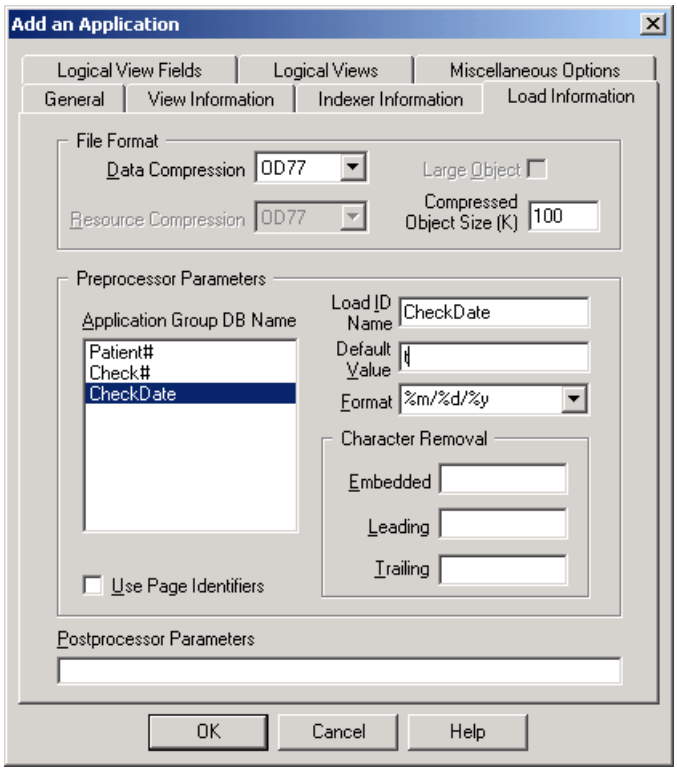
Enter TIFF as the *Data Type*.

- Select the **Indexer Information** tab.



Enter **Generic** as the *Indexer* type.

- Select the **Load Information** tab.



Highlight the CheckDate.

Enter **t** (for today) as the *Default Value*.

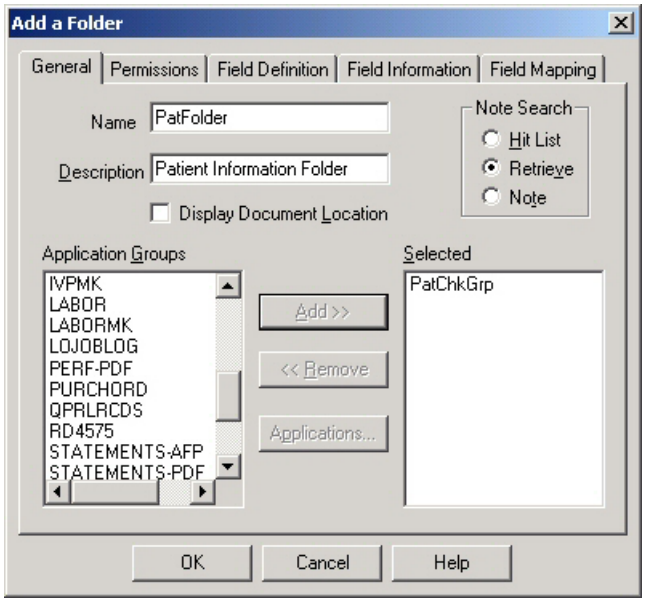
When a date is not supplied in the index file, the CheckDate will default to the today's date for the load date. For this example, the Date Format must be %m/%d/%Y. For this Application, the expected date format is mm/dd/yyyy. The date format must match the ShortDate format in the Regional Settings Date parameter on the workstation. This date format will be used by the Scan function of Ascent Capture and will be used to create the index files in the Release function.

Change the ***File Format Data* field value to *None***.

- Press **OK** to create the Application.

Create a folder for Ascent Capture

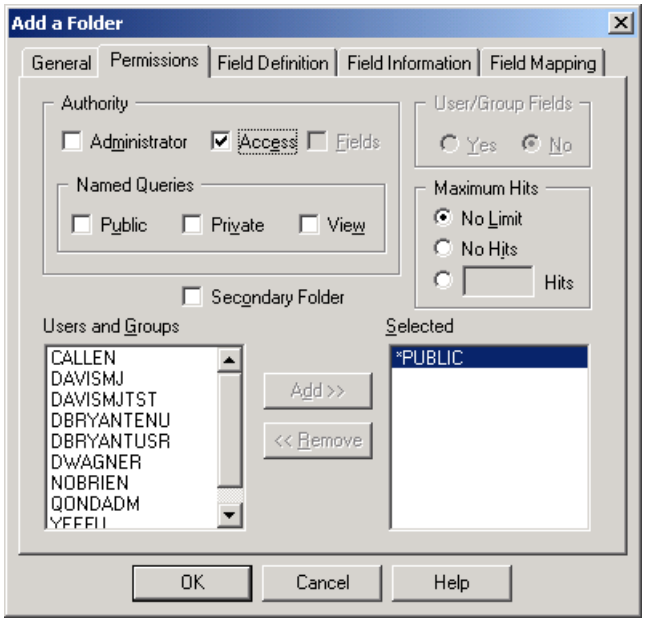
- In the left panel, highlight **Folders** and select **New Folder.**



- On the **General** tab, enter the Folder *Name* and Folder *Description*.
- Select the appropriate option under the *Note Search* box

Note that the *Note* Search box is ignored if the Application Group Annotation Flag in the **Database Information** panel is set to **Yes**.

- Highlight the Ascent Capture Application Group you just created and select the **Add** button to add the Application Group to the *Selected* column.
- Select the **Permissions** tab.

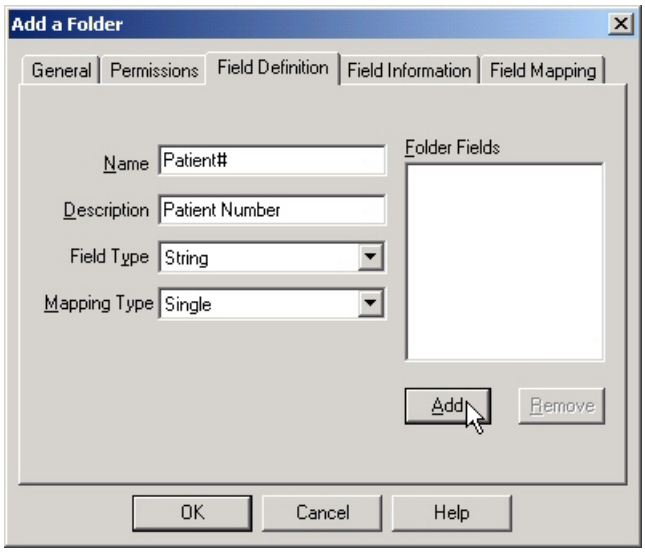


Select the appropriate authorities for Users, User Groups and/or *PUBLIC.

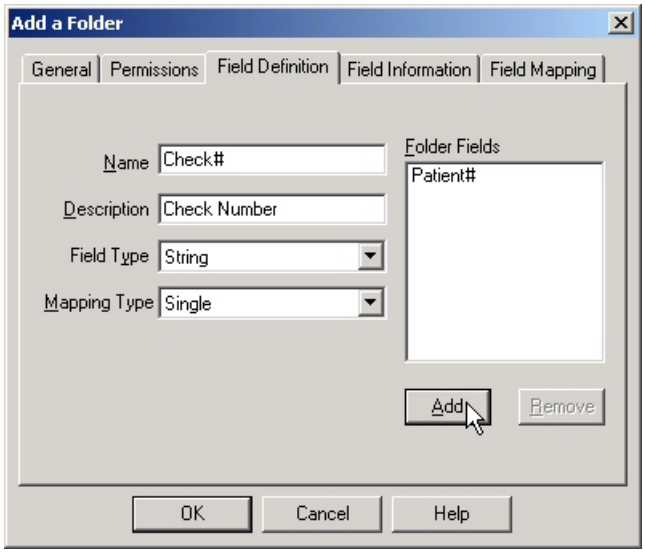
- Select the **Field Definition** tab.

The valid fields for the Folder must be entered. These fields will be mapped to fields in the Application Group(s) that were selected for this Folder.

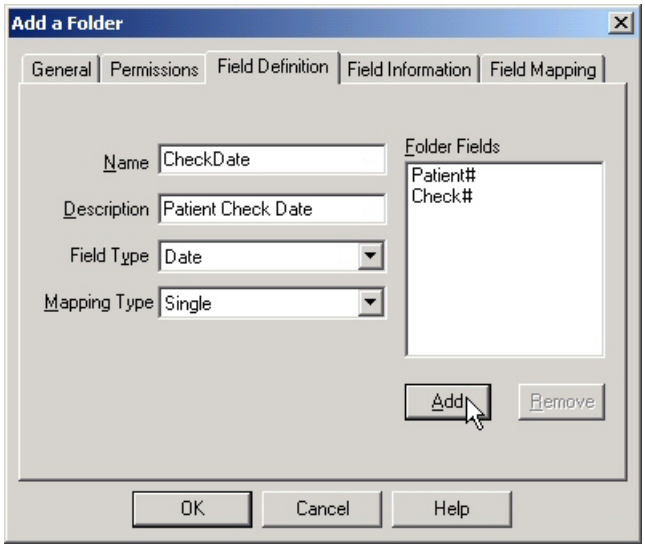
Define the *Patient#* field.



Define the *Check#* field.

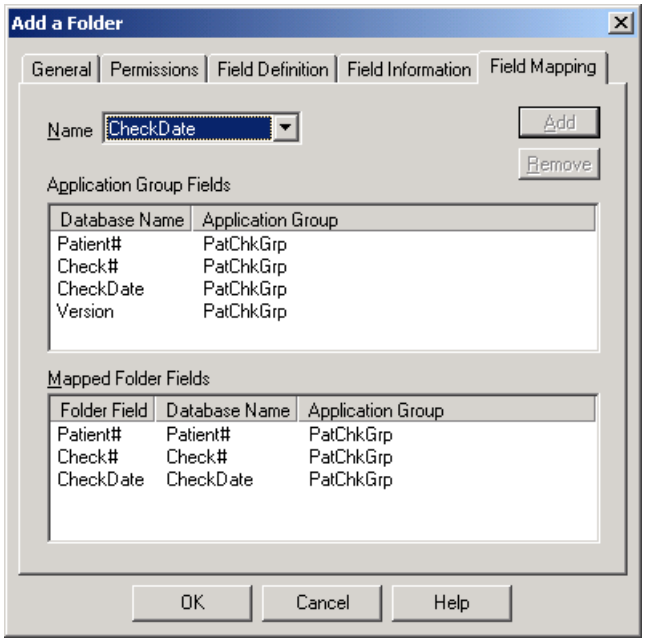


Define the *CheckDate* field.



- Select the **Field Mapping** tab.

The Folder fields must be mapped to the Application Group fields. The Folder field name and the associated Application Group Fields are highlighted. **Add** is selected to map the fields. The Mapped Folder Fields are shown at the bottom of the panel.



- Press **OK** to create the Folder.
- Close the OnDemand Administrator Client.

Ascent Capture Setup

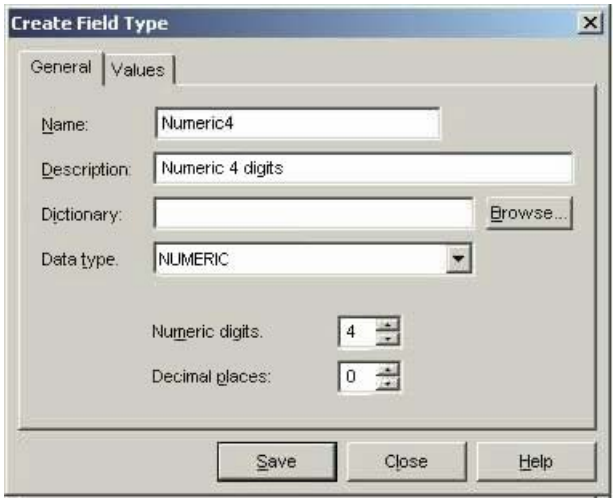
Launch the Ascent Capture Administrator using Start / Programs / Ascent Capture / Administration.

Create New Index Fields

- Select the **Field Types** tab and right-click in the window.
- Right-click and select **New Field Type**.
- Create three fields Date, Numeric4 and Numeric7.

Field Name	Description	Data Type	Size
Date	Generic Date	DATE	
Numeric4	4 Digit Numeric	NUMERIC	4, 0
Numeric7	7 Digit Numeric	NUMERIC	7, 0

The field information in the **Create Field Type** display is entered. To accept each field, the **Save** button must be pressed.



- Once all fields are created, click on **Close.**

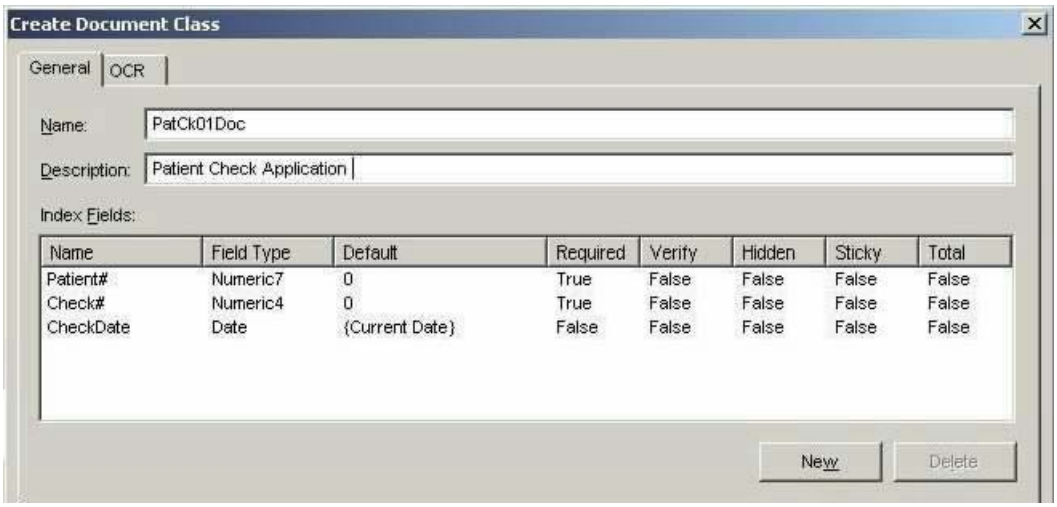
Create a New Document Class

- Select the **Document** Tab and right-click in the window and select **New Document Class**.
- Enter "PatCk01Doc" in Name field and "Patient Checks Application" in the Description field.

Field Name	Field Type	Required
Patient#	Numeric7	True
Check#	Numeric4	True
CheckDate	Date	False

The document class name should correspond to the value chosen in the OnDemand Release Script on the Document Storage tab under OnDemand File Naming.

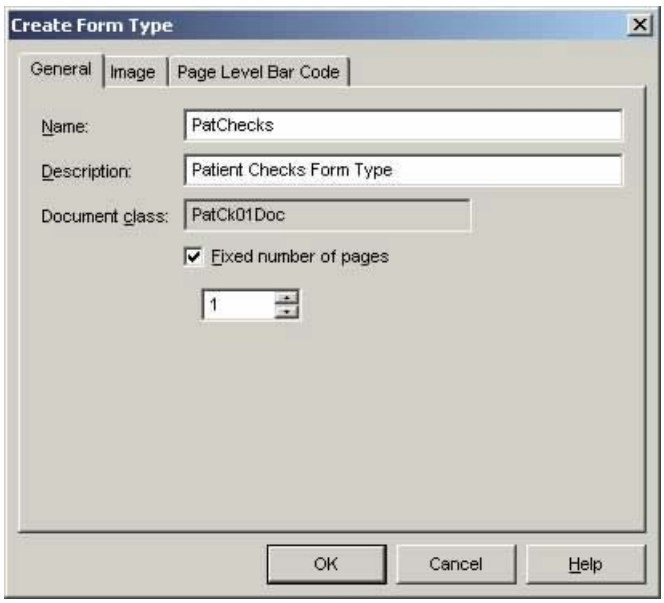
- If *Document Class maps to Application Group* is chosen, the document class must match the application group name.
- If *Document Class maps to Application* is chosen, the document class name must match the application name.
- Select **New** to add each new field. Once all fields have been added, press **OK** to accept the Document Class definition.



- Click on **OK** to close the window.

Create a New Form Type

- Right-click on the **Document Class** Tab and select **New Form Type**.
- Enter Form Type "PatChecks" as the Name and select "Fixed Number of Pages."
- Enter 1 page per document.



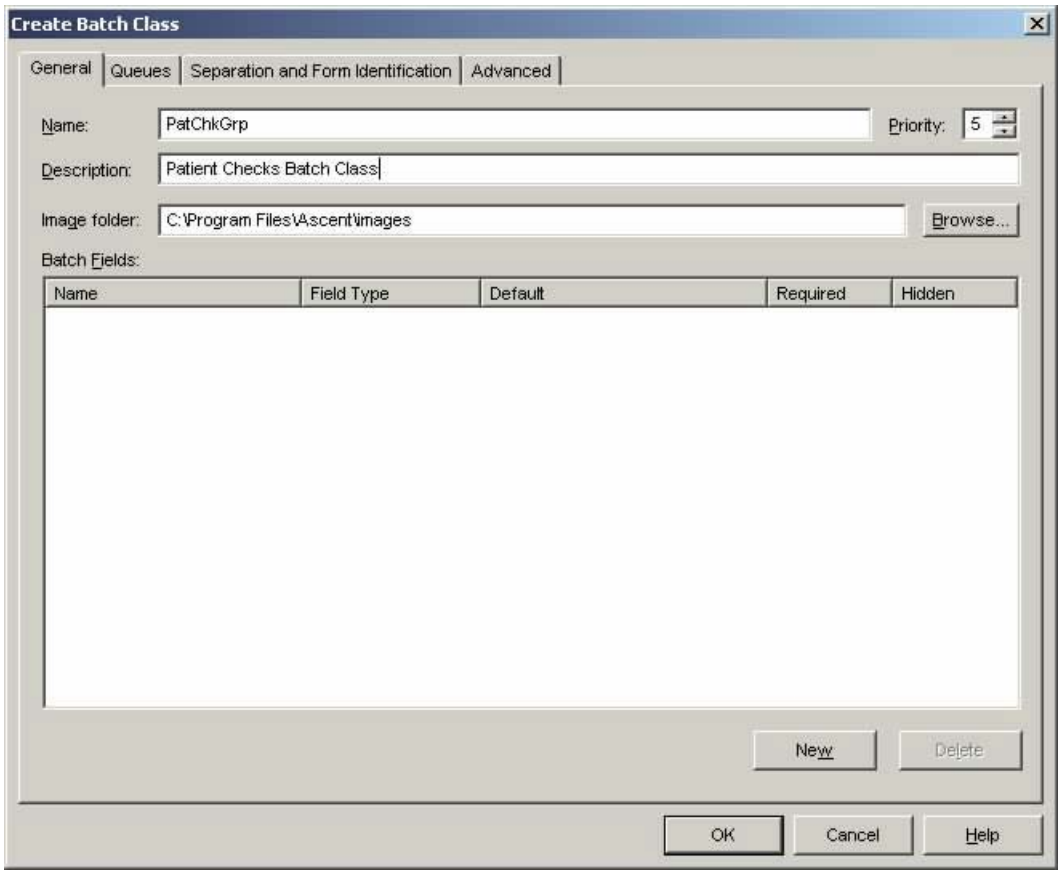
- Click on **OK** to close the window.

Create a New Batch Class

- Select the **Batch** tab.

  Right-click in the window and select New Batch Class.

  Enter the Batch Class Name, Batch Class Description and Image Folder. The Image folder is the temporary location where images are stored between the Scan and Release processes.

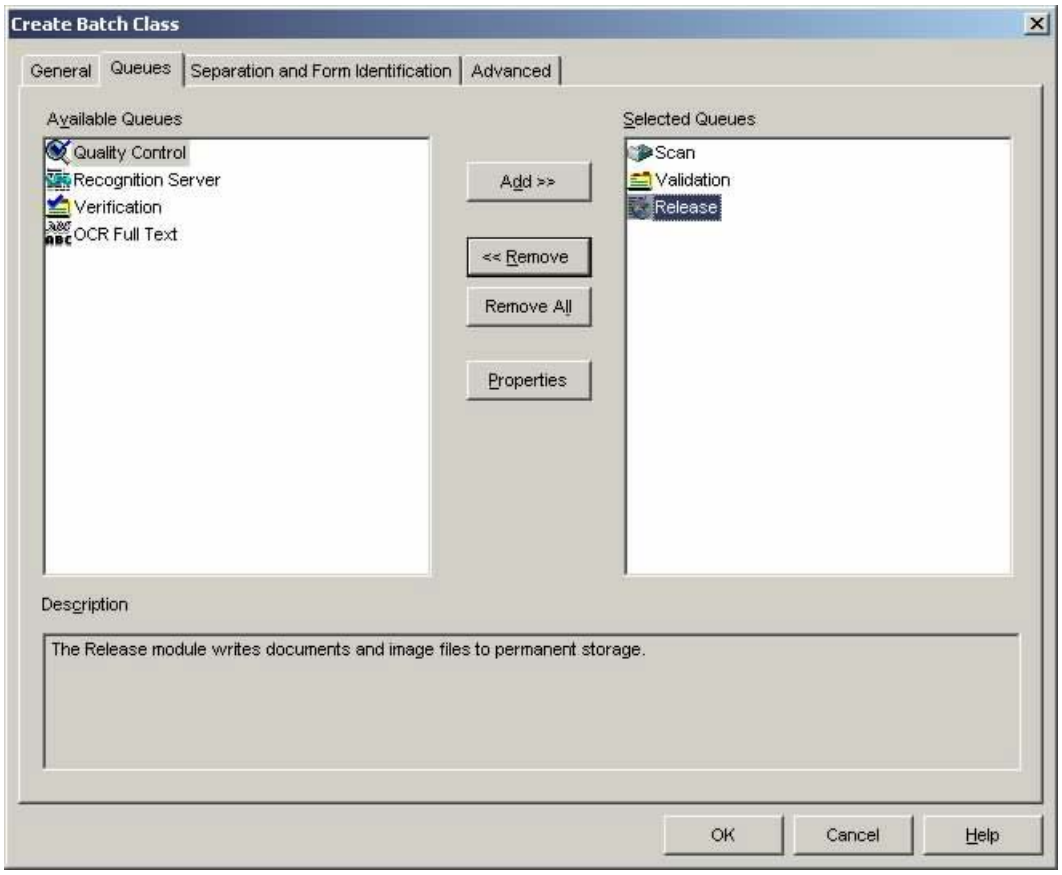


The batch class name should correspond to the value chosen in the OnDemand Release Script on the Document Storage tab under OnDemand File Naming.

- If *Document Class maps to Application Group* is chosen, the batch class must match the application name.
- If *Document Class maps to Application* is chosen, the batch class name must match the application group name.

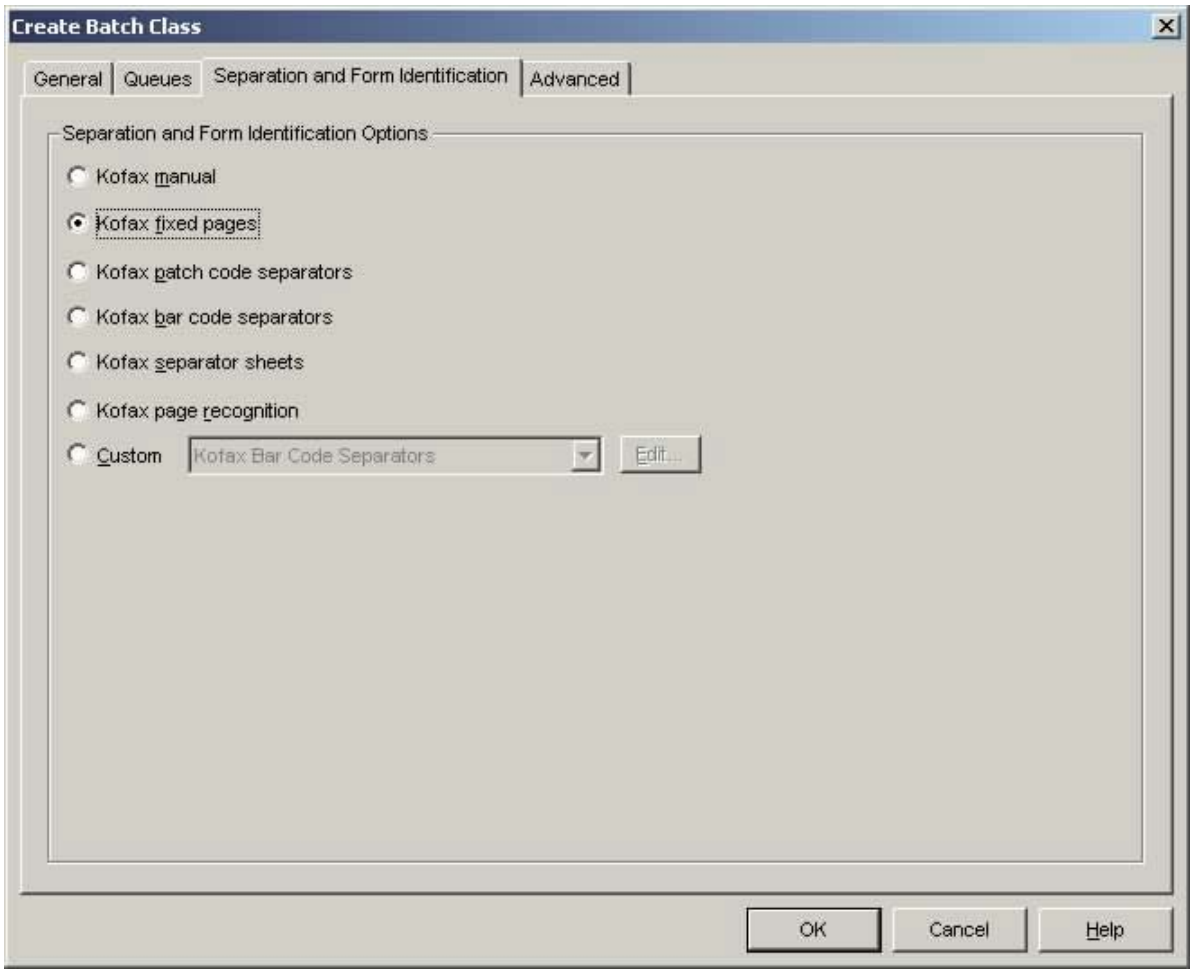
- Select the **Queue** tab.

  Select the *Scan, Validation,* and *Release* queues by highlighting the appropriate queue under "Available Queues" and selecting **Add** to move this queue to the "Selected Queues" column.



Select the **Separator and Form Identification** tab.

Select Kofax fixed pages.



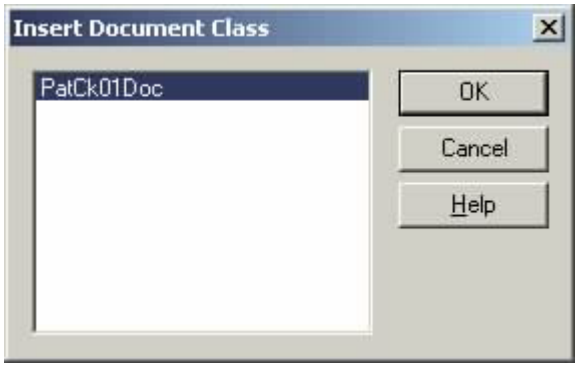
Select **OK** to accept the new **Batch Class**.

OnDemand Release Script Setup

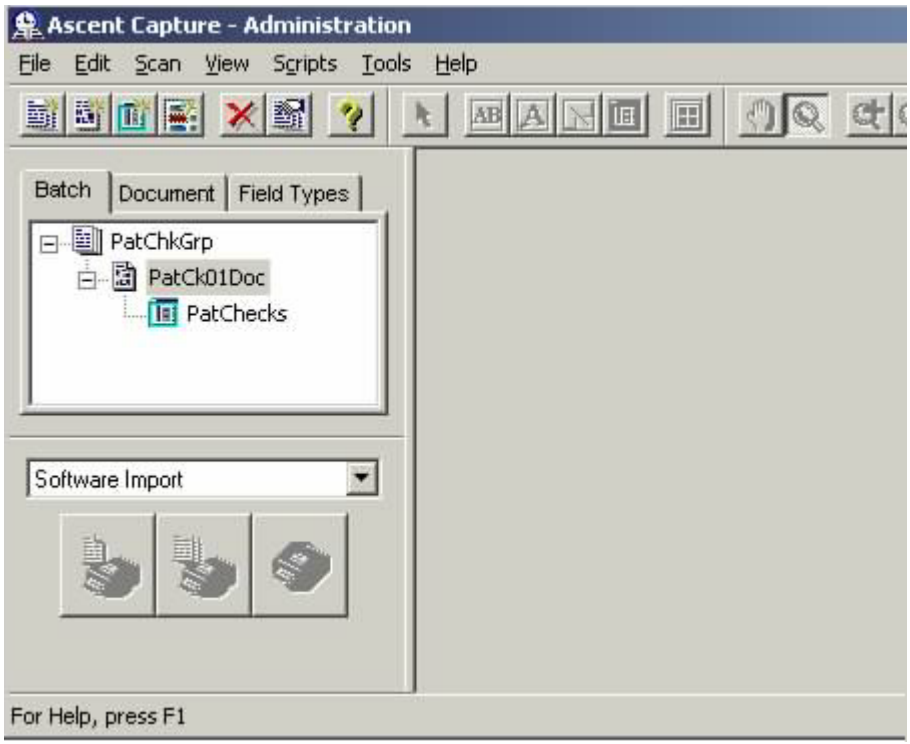
- Select the **Batch** Tab.

  Right-click on the batch you just created and select **Insert Document Class**.

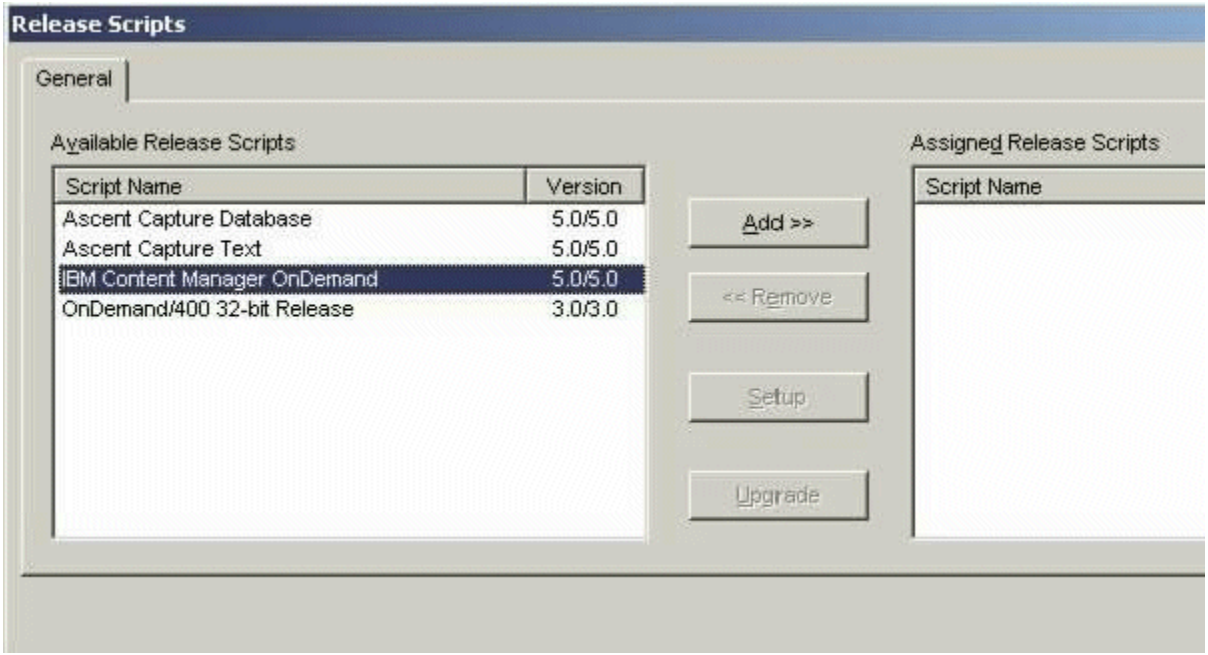
  Select the **Document Class** that you created earlier. The Document Class represents the OnDemand application name to be used for this Ascent Capture batch.



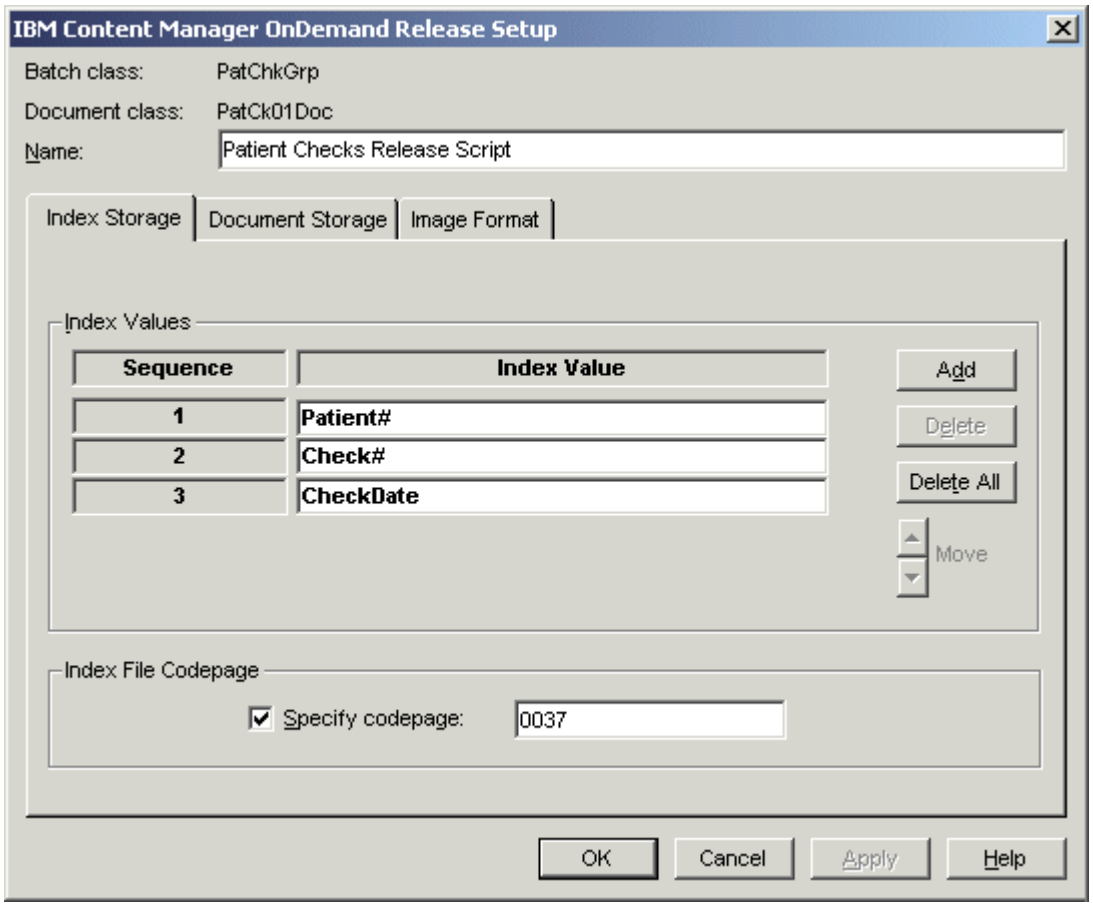
Highlight the **Document Class** to be used and press **OK** to insert the Document Class.



Right-click on the Document Class and select **Release Script**.



Highlight **IBM Content Manager OnDemand**, then select **ADD**. The Release Script setup will automatically be launched.



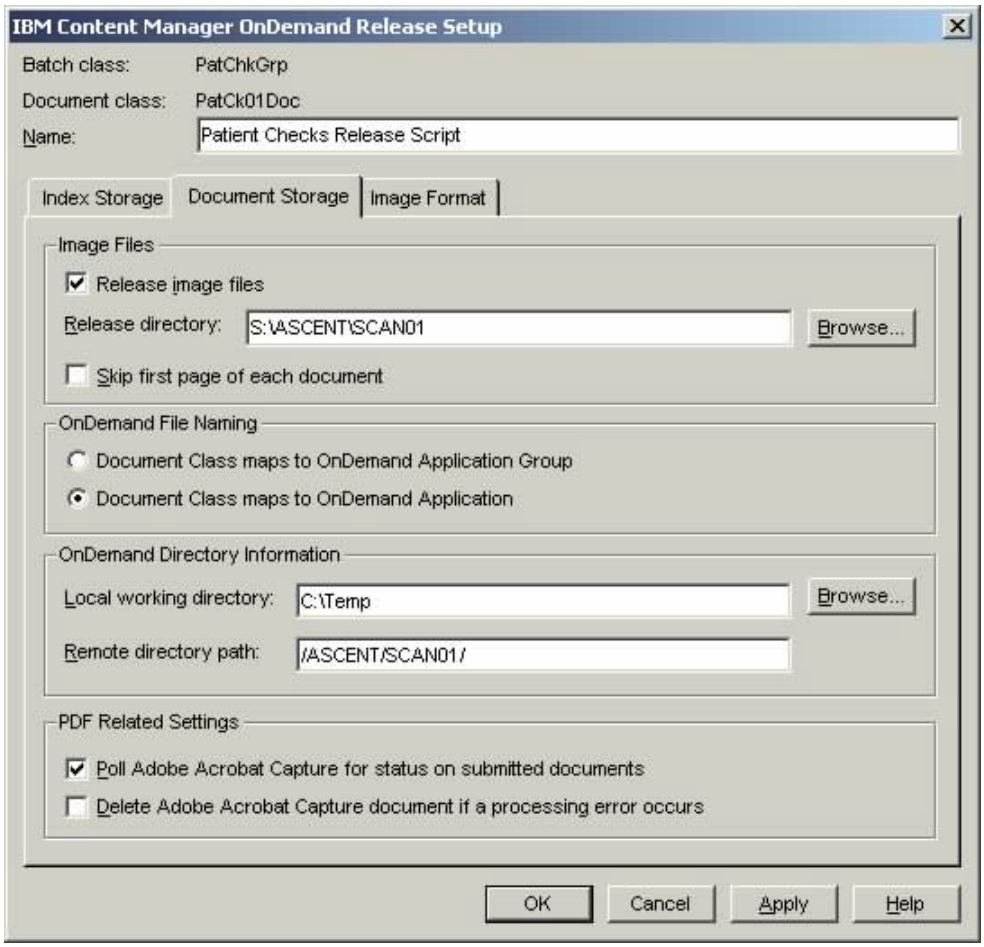
On the **Index Storage** tab, check "Specify codepage" and enter the code page of the data being stored (which is most likely the code page of the instance to which this data will be stored).

On the **Document Storage** tab shown below, enter the Release directory, select OnDemand File Naming, and the OnDemand Directory Information.

The *Release directory* is a network drive mapped to the iSeries server. This network drive is the drive and directory where the Ascent Capture documents are released. On the iSeries server, you must create a directory to contain the released documents. (For example, on an OS/400 command line, key **mkdir '/ASCENT'** and **mkdir '/ASCENT/SCAN01'** .)

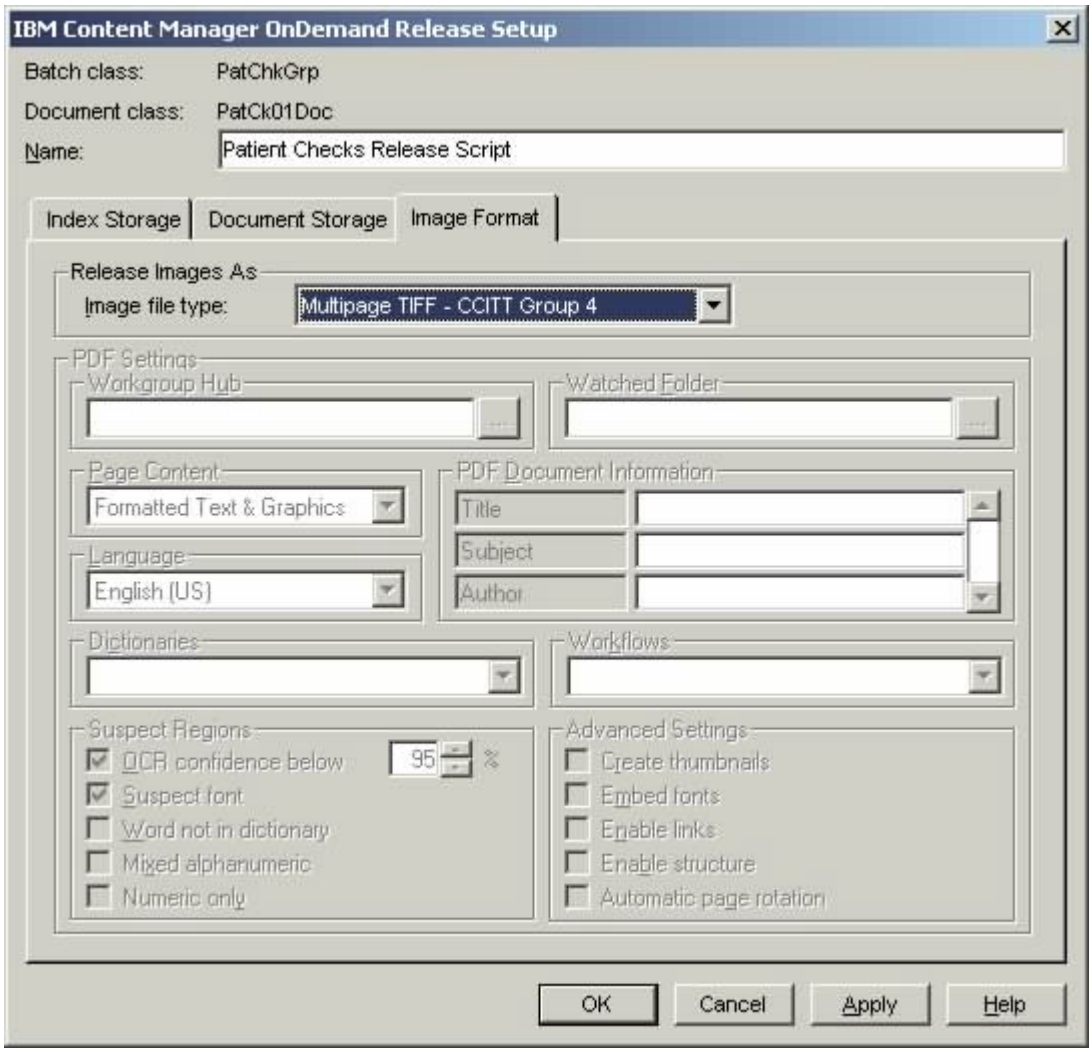
The *Local working directory* is the temporary directory to be used during the release process and should be local to the release workstation.

The *Remote directory path* is the OS/400 directory to be appended to the file name in the Generic Indexer file that is created. Without this value, the file name in the **xxx.**ind file would not contain the fully qualified directory name. If the environment where the **arsload** API is to run does not contain a path statement for the Ascent Capture Release Directory, the **xxx.ind** file must contain the fully qualified directory name for the **xxx.out** file.



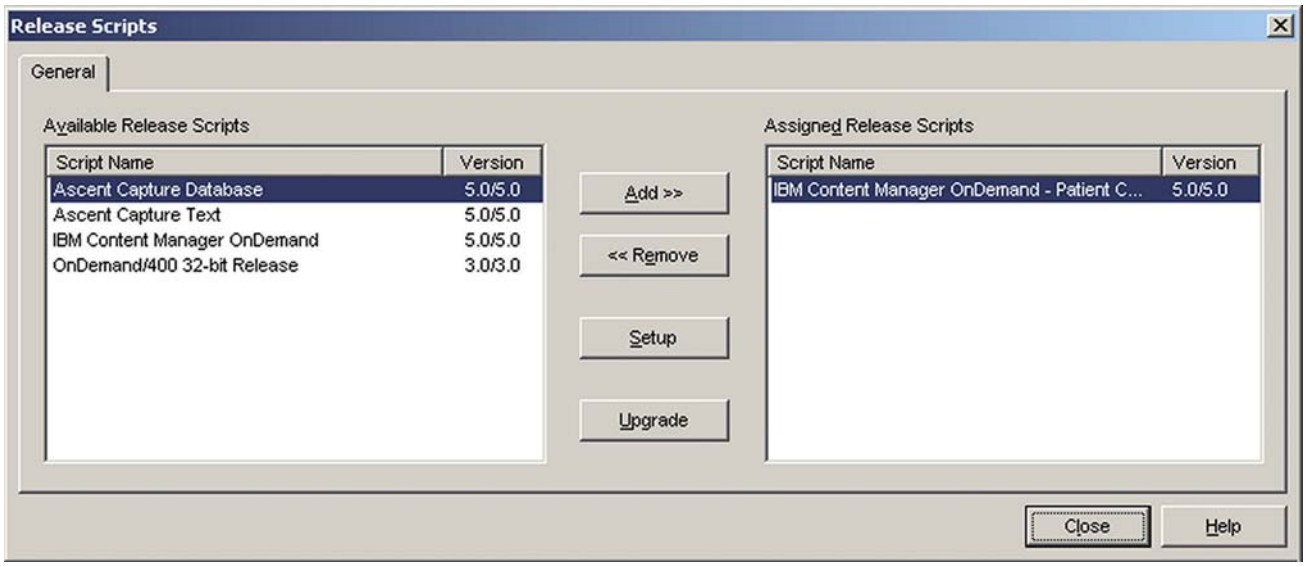
OnDemand File Naming determines the structure of the name that is created in the Integrated File System.

- *Document Class maps to OnDemand Application Group* causes the document class to be used as the Application Group name, and the Batch Class will be the Application name.
- *Document Class maps to OnDemand Application* causes the document class to be used as the Application name, and the Batch Class will be the Application Group name.



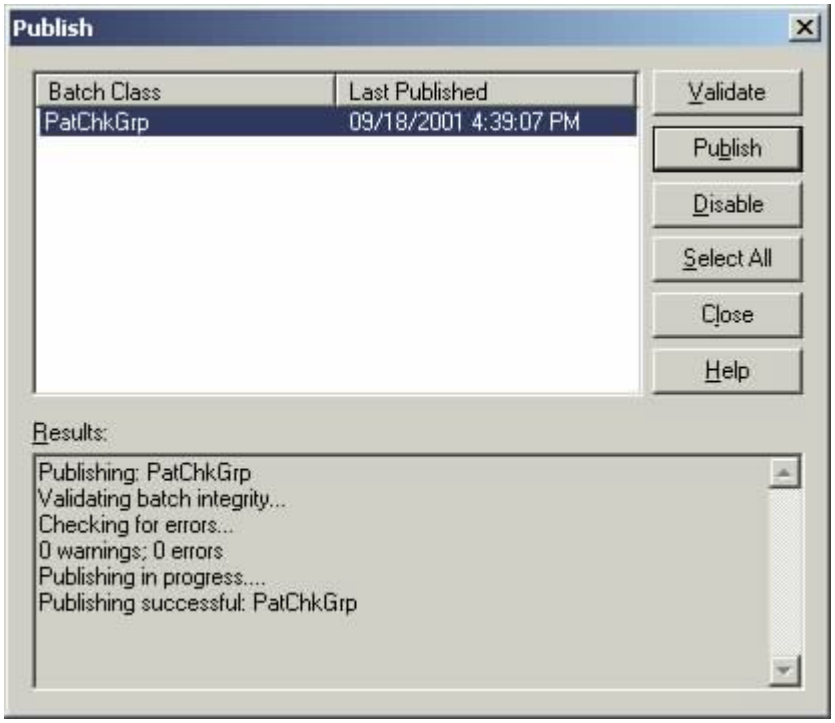
On the **Image Format** tab, the Image file type must be selected.

Click **Apply** and then select **OK** to accept changes.



Click **Close**.

Right-click on the **PatChkGrp** Batch Class and select **Publish** to allow the Batch Class to be used by the Batch Manager.



Select **Close,** then exit the Administration program.

At this point, you would begin scanning or importing and indexing your documents. See the Kofax Ascent Capture documentation for details.

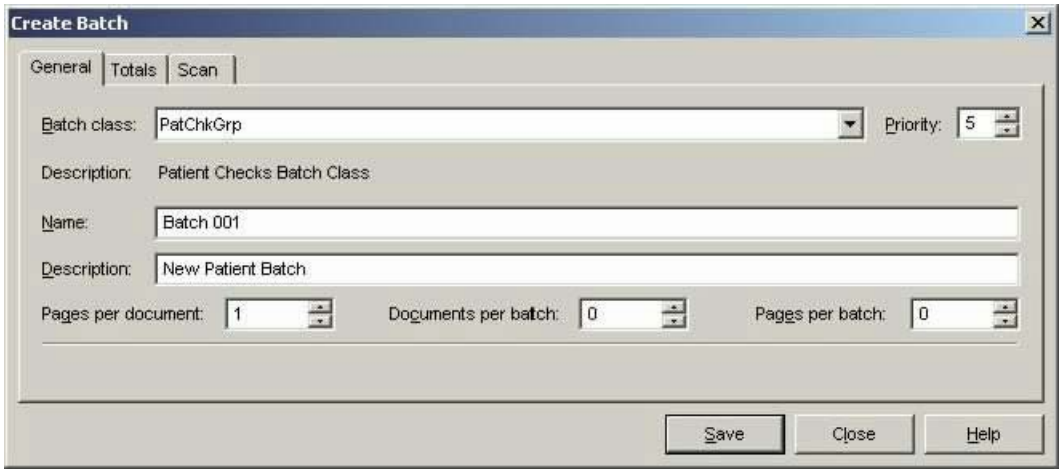
Chapter 16. Release Processing

Run Batch Manager

Launch the Ascent Capture Batch Manager using Start / Programs / Ascent Capture 6.0 / Batch Manager.

Create New Batch

- Create a New Batch by selecting the **Create Batch** button  .
- Name your batch **Batch 001** and give your batch a description.

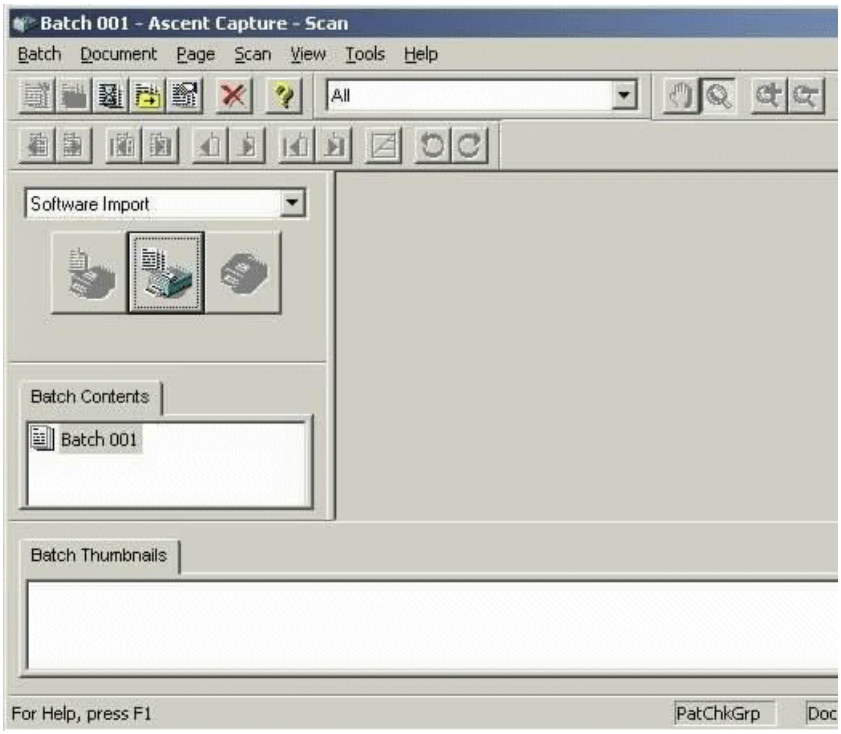


- Select the **Save**, then select **Close**.
- Install the Kofax Ascent Capture hardware key.

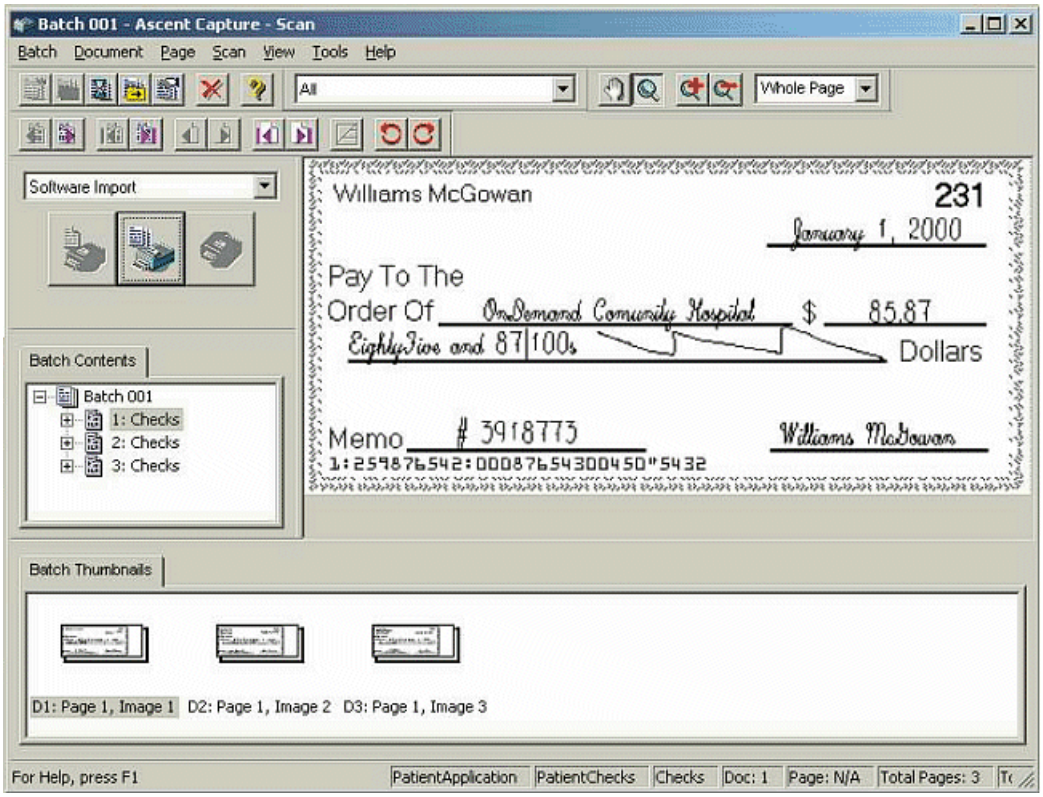
Scan Batch

This is an example of scanning a Kofax batch by using scanned images that have been stored in a directory on your personal computer.

- Highlight the batch to be processed and select the **Process Batch** button  . The Ascent Capture Scan queue will start.



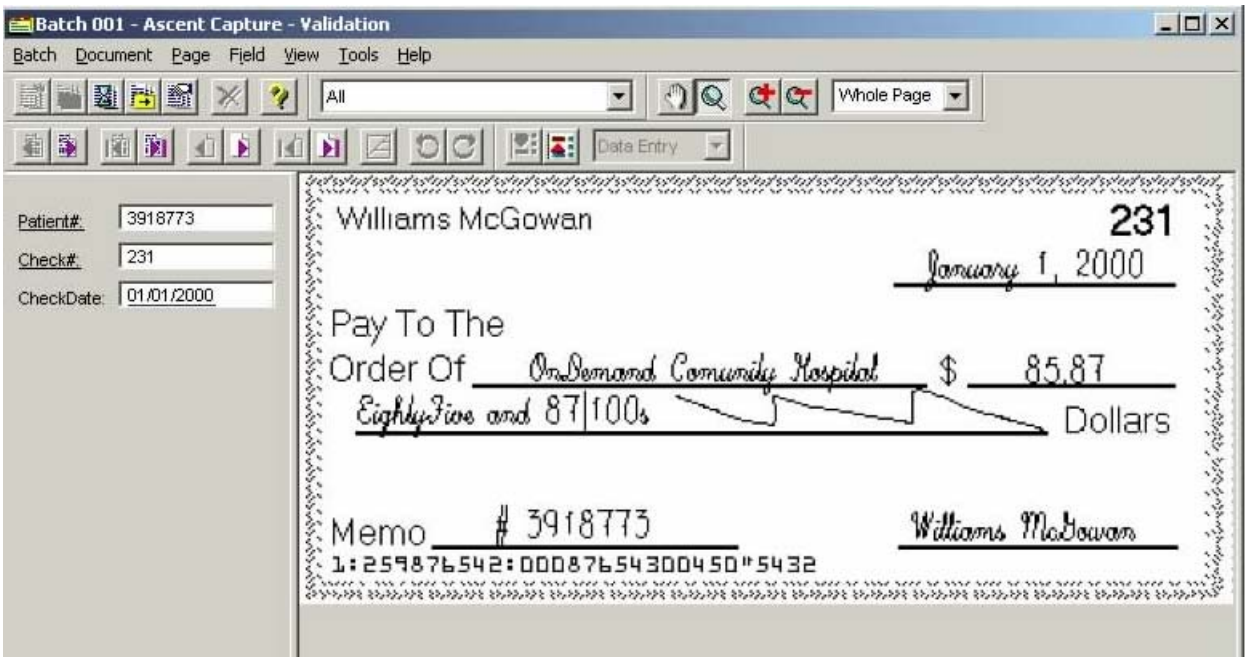
- Select the **Scan Batch** button  . The **Import** window will open.
- Import your data from the input source.



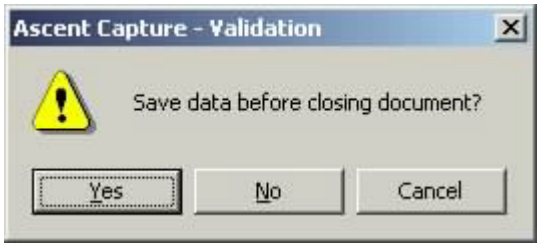
- Close the batch by selecting the **Close Batch** button  .

Index/Validate Batch

- Select the **Process Batch** button and Ascent Capture Validation will start. The first check image should be displayed.
- Enter the *Patient#*, *Check#* and *CheckDate*.
- Press the **Tab** key to accept entries.

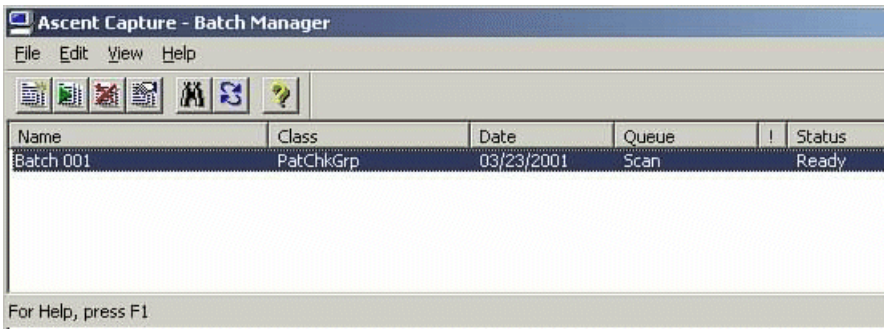


- Select **Yes** to save index data.



- Select **Yes** to save the data from this scanned image.
- After the last check image is indexed, select **Yes** close the batch.

Batch Release



- Right-click on the batch and select **Process**  .
- Close the Batch Manager.
- From a green-screen session, the **WRKLNK** command is used to determine that the Ascent Capture Data exists in the OS/400 IFS directory.

WRKLNK '/ASCENT/SCAN01/*'

Because we selected the document class equates to the OnDemand application name, the format of the file structure is

IBMCM.ODKREL.document_class.batch_class.YYYYMMDD.HHMMSS.ARD.xxx

Examples of the file names created in the /ASCENT/SCAN01 directory are shown below.

IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD
IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD.ind
IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD.out

PatChkGrp is the batch class and becomes the Application Group and **PatChk01Doc** is the document class and becomes Application name.

Store Ascent Capture Batch

Running arsload API

The **arsload** API is used to process Ascent Capture batches. The ***-d*** parameter represents the Ascent Capture Release Directory. The ***-h*** parameter represents the instance name where the data is to be stored. Multiple instances may exist on a single OS/400 machine.

*Running **arsload** API from an OS/400 command line:.*

```
QSH CMD('arsload -A DATASET -d /ASCENT/SCAN01 -f -G FORMS  -h
     QUSROND ')
```

*Running **arsload** API from the QSHELL environment:*

From an OS/400 command line, enter **STRQSH** or **QSH** and press **ENTER.**

```
arsload -A DATASET -d /ASCENT/SCAN01 -f -G FORMS  -h QUSROND
```

*Running **arsload** API from batch:*

```
SBMJOB JOB(ARSLOAD) CMD(QSH CMD('arsload -A DATASET -d
   /ASCENT/SCAN01 -f -G FORMS  -h QUSROND ')) JOBQ(QUSRNOMAX)
   CPYENVVAR(*YES) JOBD(QRDARS/QOND400)
```

The CPYENVVAR parameter should be set to *YES or *NO based on whether you want the current environment variables to be used in the batch job. It is important that you submit the command to a job queue that supports multiple jobs. When the **arsload** API is run, multiple background jobs are spawned. These jobs run in the same subsystem where **arsload** is run.

The **arsload** API is issued once and will monitor the ***-d*** directory until the command is ended by the user. The **arsload** API can be issued without the ***-A*** and the ***-G*** parameter. This causes the *DATASET* position to be the OnDemand Application and the *FORMS* position to be the OnDemand Application Group. Refer to the IBM Content Manager OnDemand for iSeries Common Server Administration Guide for more details on **arsload** parameters.

Recovering from arsload API failure

When Ascent Capture releases files to the Integrated File System, three files are created. Below is an example of the three files.

```
IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD
IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD.ind
IBMCM.ODKRel.PatCk01Doc. PatChkGrp.20010321.131522.ARD.out
```

When the **arsload** API fails, the *.ARD* file is renamed to *.ARD.Failed*. The above file would be renamed to

```
IBMCM.ODKRel.PatCk01Doc.PatChkGrp.20010321.131522.ARD.Failed
```

Certain errors can be corrected by updating the *.ARD.ind* file and then the *.ARD.Failed* file can be renamed back to its original name. Examples of errors that can be corrected in the Integrated File System *.ARD.ind* file are:

- Date format does not match the date format in Ascent Capture does not match the application load information format. In this case, the *ARD.ind* file can be edited and corrected to make the date format match the application load

information date format, or the date format on the Application Load Information tab can be modified to match the Ascent Capture date format.

- Ascent Capture field name does not match the name in the application group. To fix this problem, the *.ARD.ind* file can be edited and the field name(s) can be changed to match the application group field names.
- The number of Ascent Capture fields is less than the number of application group fields. This problem can be fixed by setting a default value for the field in the Application Load Information tab. If Ascent Capture should have passed all application fields, the *.ARD.ind* file can be edited to add the additional index fields.
- The *.ARD.out* file name in the *.ARD.ind* file does not have the correct path. This is caused by a failure to enter the correct path on the Ascent Capture Release Script Document Storage Tab under the *"OnDemand Directory Information"* section.

If the error cannot be corrected in the *.ARD.ind* file, the three Ascent Capture files in your IFS release directory should be deleted to eliminate confusion. The Ascent Capture Release Script must be corrected, republished and reprocessed through Batch Manager.

Appendix A. Additional Information Sources

Manuals

Ascent Capture

Getting Started with Ascent Capture

OnDemand for iSeries

Spool File Archive

IBM DB2 Content Manager OnDemand for iSeries Administration Guide - SC41-5325

Common Server

IBM DB2 Content Manager OnDemand for iSeries Common Server Administration Guide - SC27-1161

Web Sites

IBM OnDemand **-** http://www.ibm.com/software/data/ondemand

IBM iSeries Access - http://www.ibm.com/servers/eserver/iseries/access/

Kofax Image Products **-** http://www.kofax.com

Microsoft **-** http://www.microsoft.com

Information APARs

IBM OnDemand for iSeries

II12715 - Available PTFs for V5R1 of OnDemand for iSeries (5722-RD1)

II13168 - Available PTFs for V5R2 of OnDemand for iSeries (5722-RD1)

II13680 - Available PTFs for V5R3 of OnDemand for iSeries (5722-RD1)

IBM OnDemand Enhancements PRPQ

II11458 - Available PTFs for V3R7 of OnDemand Enhancements PRPQ (5799-GEQ)

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Programming Interface Information

This publication is intended to help you to use and administer the OnDemand for iSeries AnyStore Integration Release feature of the OnDemand Enhancements PRPQ. This publication documents General-Use Programming Interface and Associated Guidance Information provided by the OnDemand for iSeries AnyStore Integration Release feature of the OnDemand Enhancements PRPQ.

General-Use programming interfaces allow the customer to write programs that obtain the services of the OnDemand for iSeries AnyStore Integration Release feature of the OnDemand Enhancements PRPQ.

Glossary

Black border removal - An image processing feature that removes black borders that might exist on an image as a result of the scan process. For example, black borders might occur when using scanners that use black belts, such as the Bell+Howell Copiscan family of scanners. Black border removal provides a cleaner image for OCR processing.

Client Access - An iSeries program product which provides connectivity between a workstation and an iSeries. Now known as iSeries Access.

Collection - see migration policy.

Compression - A software or hardware process that shrinks images so they occupy less storage space and can be transmitted faster. Compression is generally accomplished by removing the bits that define blank spaces and other redundant data, and replacing them with a smaller symbolic code that represents the removed or redundant bits.

Deshade - An image processing feature that removes unwanted shaded rectangular areas from an image. Removing shaded areas improves OCR accuracy.

Deskew - The process of straightening a crooked image. Deskewing an image can improve the readability of the image for OCR processing. See skew.

Despeckle - An image processing feature that removes unwanted dots or speckles from an image. This provides a cleaner image for OCR processing.

Display field - Like keys, display fields appear to the user on the selection list of documents to view, print, or fax. Unlike keys, users cannot search by display fields. They are for informational purposes only.

HFS - Hierarchical File System, used to access data stored in iSeries shared folders and optical libraries.

IFS - Integrated File System, used to access data stored in iSeries directories, which include shared folders.

iSeries Access -An iSeries program product which provides connectivity between a workstation and an iSeries. Formerly known as Client Access.

Key field - Also called indexes, keys are used for search and retrieval of images.

Line removal - An image processing feature that removes horizontal or vertical lines from an image, and reconstructs characters affected by the line removal operation. Line removal and character reconstruction increase OCR accuracy.

Migration Policy - The policy describing the aged storage hierarchy used by OnDemand for iSeries during Report Management Cycle (RMC) processing. Previously known as collection.

Object class - The type of Integrated File System objects being archived. For integration with Kofax Ascent Capture, the *TIFF object type must be used.

OCR - Optical Character Recognition. The ability of software to recognize printed characters and translate them into computer-readable files. The Ascent Capture OCR module can be used to perform OCR index and full text processing.

ODBC - Open Data Base Connectivity. A Microsoft standard for accessing certain database functions without having to know the internals of the target database. Client Access provides an ODBC driver for accessing DB2/400.

Report definition - A description of the keys (indexes) and display fields used to archive and retrieve an image. It also contains the collection name OnDemand uses when it migrates the image to optical media, or tape.

Report type - OnDemand can archive and retrieve OS/400 spooled reports, OS/400 library objects, OS/400 database files and Integrated File System objects. The report type defines to OnDemand how it should obtain index values for storage and retrieval. For Integrated File System objects, in this case images, the AnyStore (ANYS) report type is used. The AnyStore report type requires that index values be provided by the user, or an application (Kofax Ascent Capture). OnDemand uses other report types to store and retrieve OS/400 spooled files.

Report Management Cycle (RMC) - This controls movement of an archived report through the storage hierarchy (moving an archive from disk to optical media or disk to tape).

Streak removal - An image processing feature that removes unwanted vertical black lines from an image. Streak removal increases OCR accuracy.

TIFF - Microsoft/Aldus Tagged Image File Format

Version - When a report definition is created for a new report, a version of 01 is used. When the attributes of the report change, the definition must also be changed to support the new attributes. Rather than creating a new report definition with a new name, OnDemand supports new versions of the same report definition with different attributes. Versioning of reports is necessary to retain the attributes of reports that were previously archived using an old version of a report definition. Version numbers of 01-99 are supported.

Views - The OnDemand Client has the ability to alter the standard appearance of a report when it is viewed. This altered appearance can be saved for later use. A user's default view of a report can also be specified.

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