

Unit 2. Content Storage

Unit Overview

This unit contains these lessons.

Lessons

Lesson 2.1 - Content storage concepts and components, page 2-3

Lesson 2.2 - Create an object store, page 2-9

Lesson 2.3 - Configure a file storage area and policy, page 2-31

Lesson 2.4 - Create a content cache, page 2-51

Skill levels

Select one of these skill levels to perform the activities:

- Challenge: Minimal guidance
- Walkthrough: More guidance, with step-by-step directions

Unit dependencies

The activities in this unit must be performed in the given order.

The activities in this unit have no dependencies on other units.

Requirements

The activities in this unit assume that you have access to the student system configured for these activities.

Lesson 2.1. Content storage concepts and components

Why is this lesson important to you?

You are going to implement the content storage design requirements given to you by the system designers of your IBM FileNet P8 system. You need to be familiar with the basic storage capabilities and components of an IBM FileNet Content Manager system.

Activities

- Activity: Examine the storage components in a FileNet P8 domain, page 2-4

User accounts: Windows

Where used	User ID	Password
Enterprise Manager	filenetadmin	IBMFileNetP8



Passwords are always case-sensitive. User names are not case-sensitive.

Activity: Examine the storage components in a FileNet P8 domain

Introduction

In this activity, you examine the components of the Initial Site for this FileNet P8 domain, and then examine the storage components for two object stores that have different types of storage configuration.

Procedures

Procedure 1, Examine storage areas for the site, page 2-4

Procedure 2, Examine storage areas for individual object stores, page 2-5

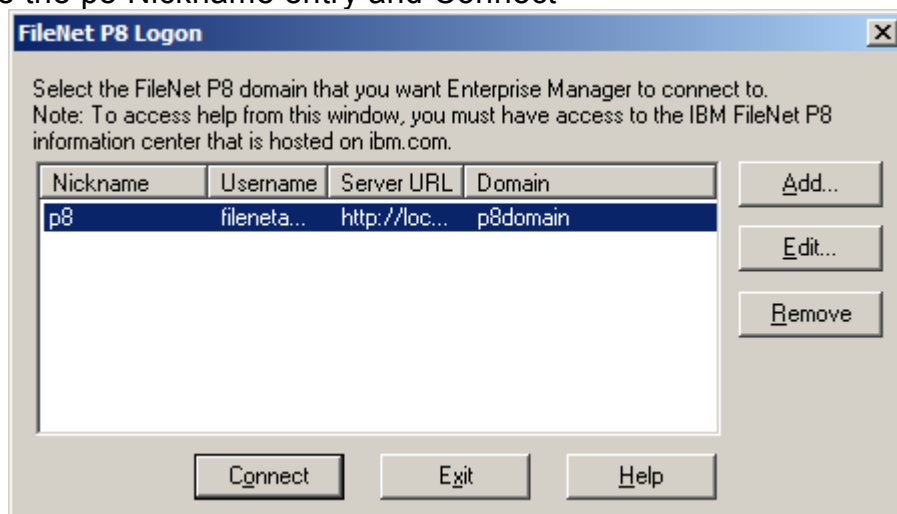


Windows

You use the Windows student system for this activity.

Procedure 1: Examine storage areas for the site

1. Start FileNet Enterprise Manager Administration Tool:
 - a. Choose the p8 Nickname entry and Connect



2. List the *Initial Site* components.
 - a. Expand the Sites node at the bottom of the left pane of the tool.
 - b. Expand the *Initial Site [Default]* node.



3. Examine the *Storage Areas* folder.

- a. In the left pane, click Initial Site > *Storage Areas* node.

Two sets of storage areas are listed in the right pane.

Storage Areas	Type	Status	File Count	File Bytes	Free Bytes
Default Database Storage Area	Data...	Open	24	760.07 KB	Unknown
Default Database Storage Area	Data...	Open	28	50.45 MB	Unknown
Default Database Storage Area	Data...	Open	0	0.00 KB	Unknown
Default Database Storage Area	Data...	Open	35	1017.97 KB	Unknown
Default Database Storage Area	Data...	Open	21	737.45 KB	Unknown
Default Database Storage Area	Data...	Open	42	1.98 MB	Unknown
Default Database Storage Area	Data...	Open	89	1.50 MB	Unknown
SALESQA	File S...	Open	0	0.00 KB	Unknown
SALESStorageArea	File S...	Open	0	0.00 KB	Unknown

- Default Database Storage Areas have been created, one for each of the object stores that have been configured for this site.
- File storage areas has been configured for SALES and SALESQA object stores.

Procedure 2: Examine storage areas for individual object stores

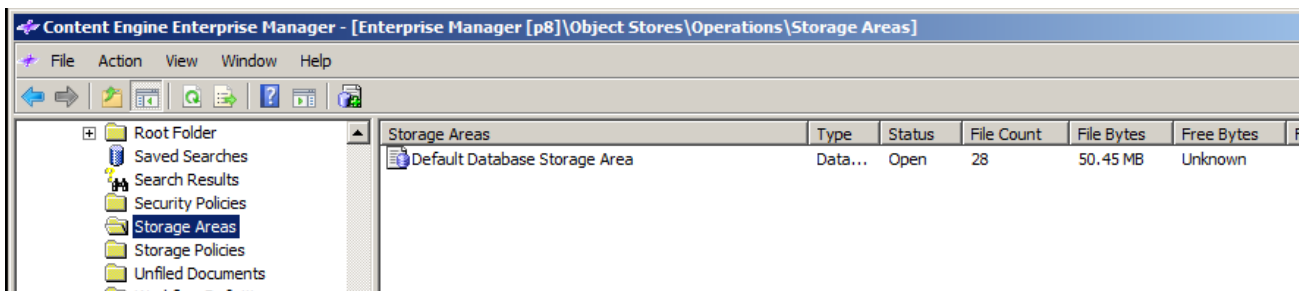
1. Examine the storage areas for the Operations object store.

The Operations object store is an example of an object store in which all content is stored in database tables (a *Database Storage Area*).

- a. In Enterprise Manager, expand Object Stores > Operations

- b. Click the Storage Areas folder.

A Default Database Storage Area is listed in the right pane. Note that the type is *Database Storage Area*.



- c. Select the *Default Database Storage Area*, and from the menu bar, click Action > Properties.

The *Default Database Storage Area Properties* window opens.

- d. Click the Statistics tab.

Note values of the File count, and File bytes.

- e. Click Cancel to close the *Default Database Storage Area Properties* window.

2. Examine the storage areas for the SalesQA object store.

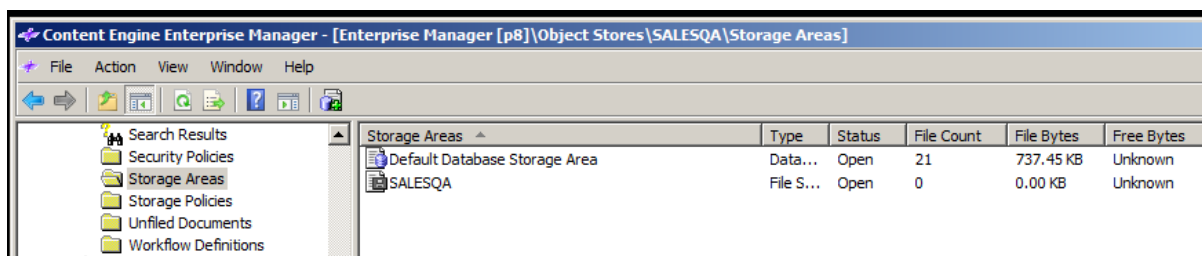
The SalesQA object store is an example of an object store in which all content is stored in the file system (type is *File Storage Area*).

- a. In Enterprise Manager, expand Object Stores > SalesQA.

- b. Click the Storage Areas folder.

Note that two storage areas are listed in the right pane.

- The *File Count* is 21 for the Default Database Storage Area.
- The *File Count* is 0 for the SalesQA file storage area.



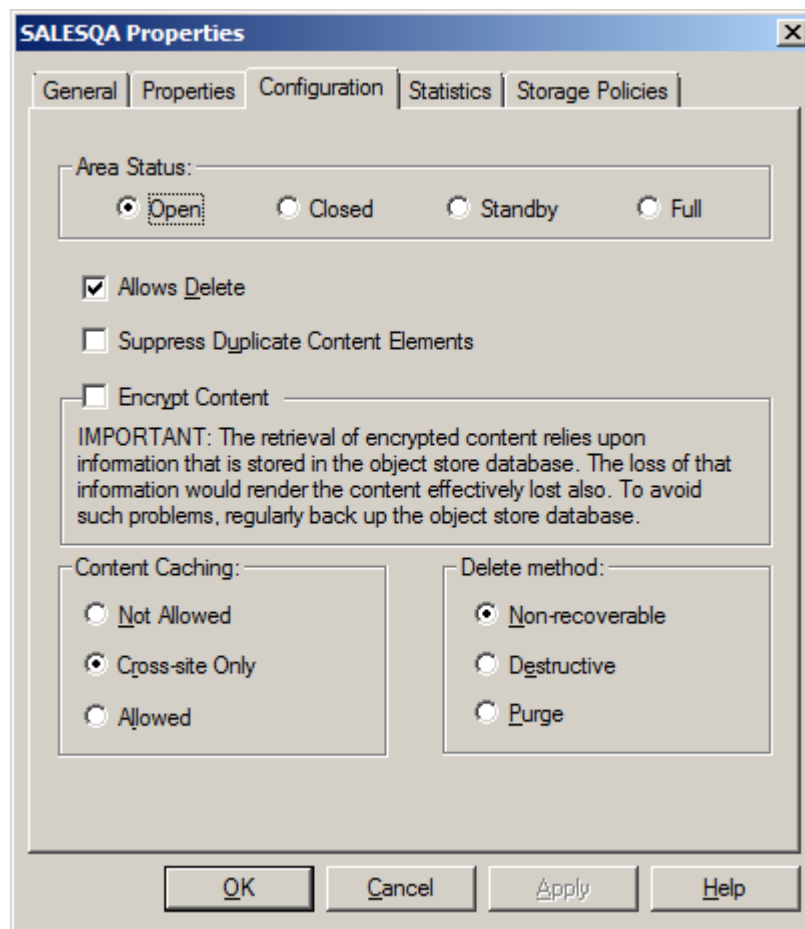
- c. Select the SalesQA storage area, and from the menu bar, click Action > Properties.

The SalesQA Properties window opens.

- Note the value of the Location field:

C:\SalesQA\FS

- d. Click the Configuration tab.



- Note that new content can be added to this storage area (Open)
- Content can be deleted from this storage area (for users with this level of access control).

3. Click Cancel to close the SalesQA Properties window.
4. Minimize Enterprise Manager.

Activity: Create an object store

Summary

Create a new object store using the Create an Object Store wizard in Enterprise Manager.

Procedures

Procedure 1, Create a target database, page 2-10

Procedure 2, Examine the MARKDB database, page 2-16

Procedure 3, Create the required data sources, page 2-17

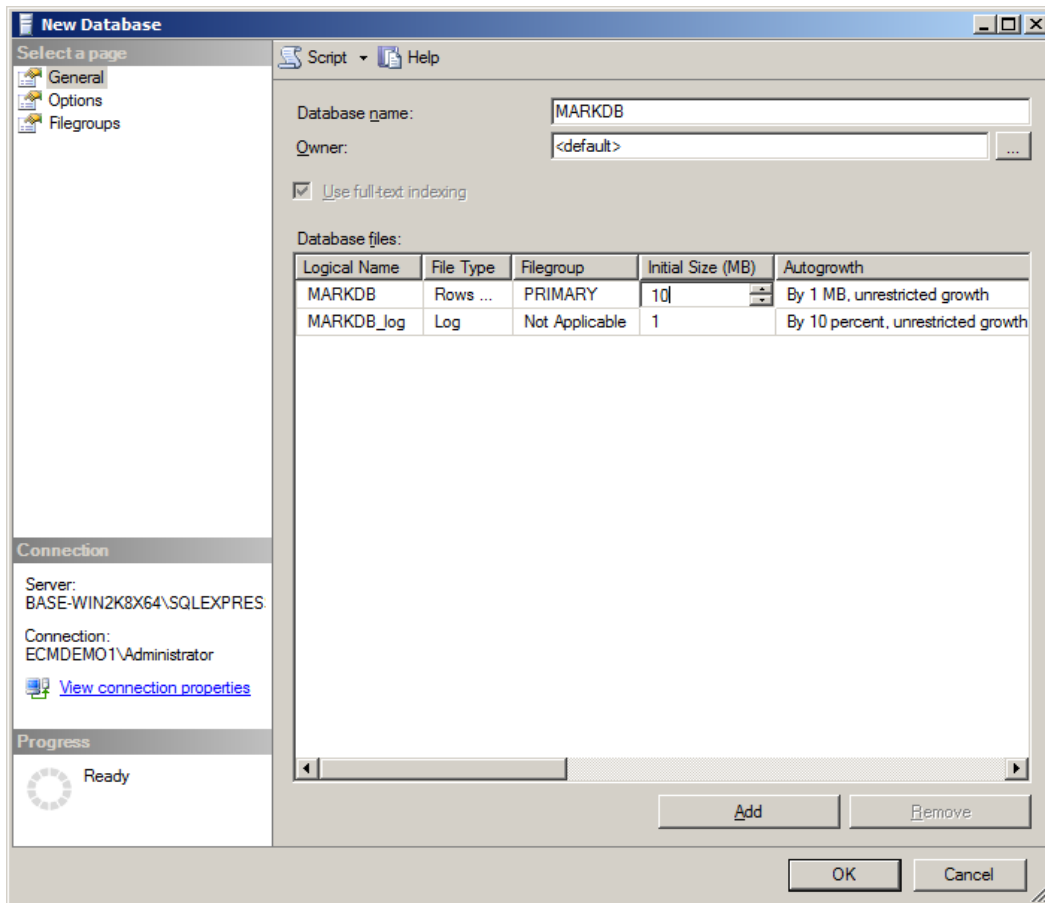
Procedure 4, Test the data sources from the WebSphere Application Server Administrative Console, page 2-23

Procedure 5, Create an object store, page 2-26

Procedure 1: Create a target database

In this procedure, you use the SQL Server Management Studio to create the a database names MARKDB. This database will be used by the object store.

1. Start the SQL Server Studio
2. Connect to the database (choose the defaults)
3. Right click on Databases → New database and enter the parameters as below

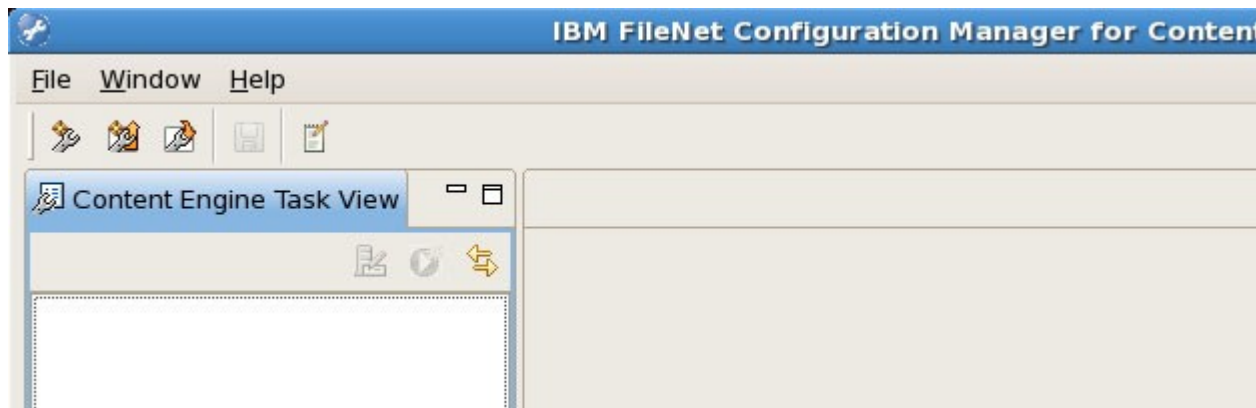


Procedure 3: Create the required data sources

In this procedure, you use the Configuration Manager to create the data sources that are required for the Content Engine to access the MARKDB database.

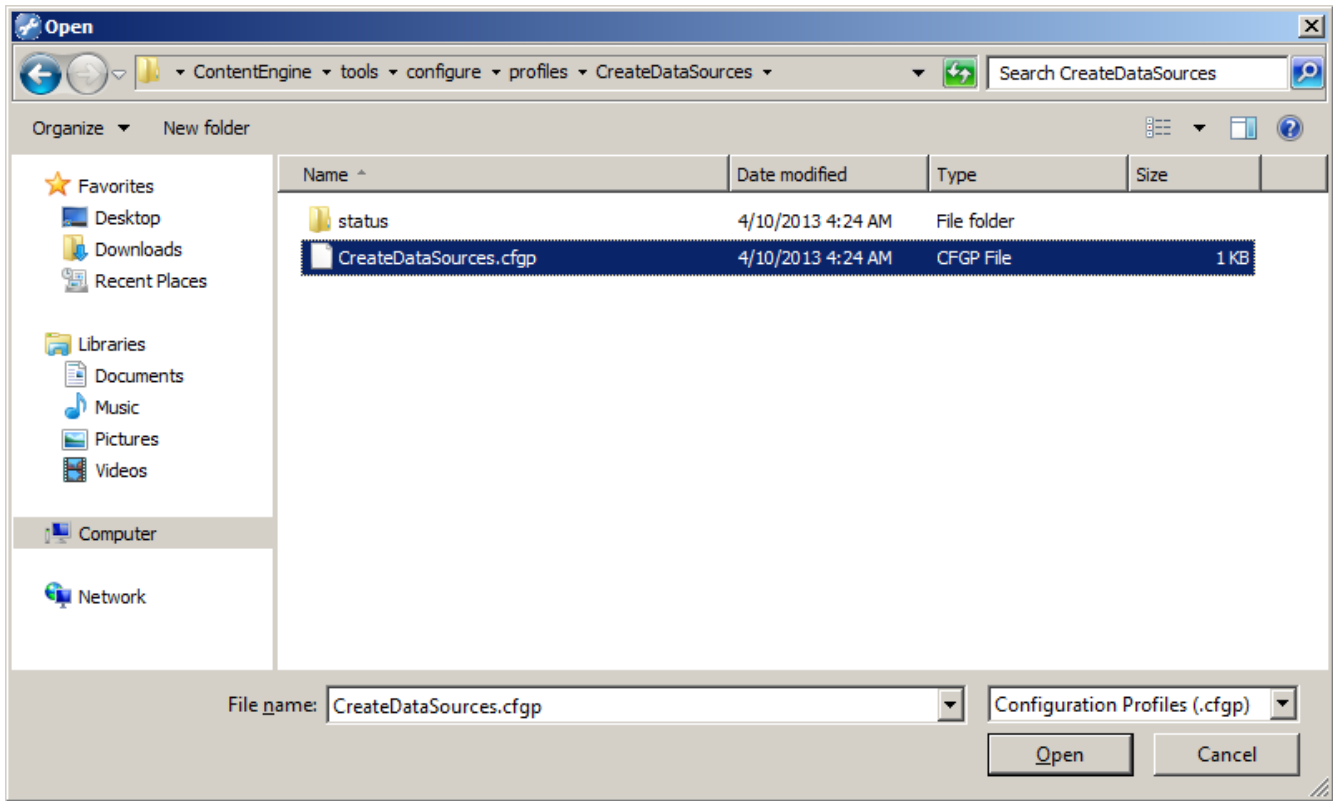
4. Start the IBM FileNet Configuration Manager
using the Desktop icon

The *IBM FileNet Configuration Manager for Content Engine* window opens.



- c. If necessary, click the X icon on the Welcome tab to close the Welcome screen.
2. Open the profile locator window.
 - a. Click File > Open Profile.
 - b. Open the

C:\Program
Files\IBM\FileNet\ContentEngine\tools\configure\profiles\CreateDataSources



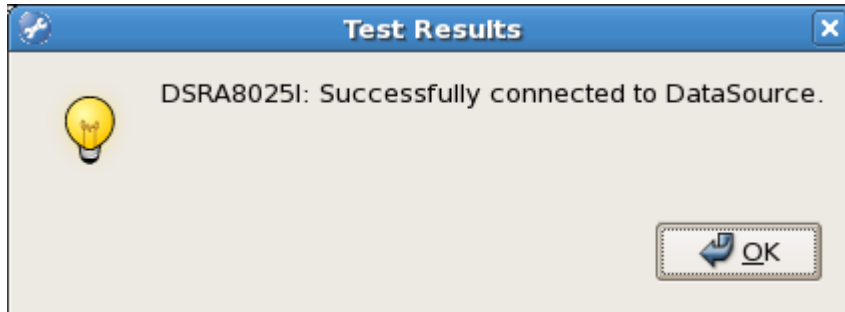
3. Open the CreateDataSources.cfgp profile.
 - a. Complete the configuration properties page for the task using the following data.

Item	Value
JDBC driver name	Microsoft JDBC Driver
JDBC data source name	MarketingDS
JDBC XA data source name	MarketingDSXA
Database server name	localhost
Database port number	1433
Database name	MARKDB
Database user name	osdbuser
Database password	IBMFileNetP8

- b. Accept the default settings for any values not specified in the table.
 - c. Click *Test Database Connection* in the lower left of the configuration panel. Click Yes on the *Action Required* window to save the task before proceeding.

A Test Results window is displayed with the following message:

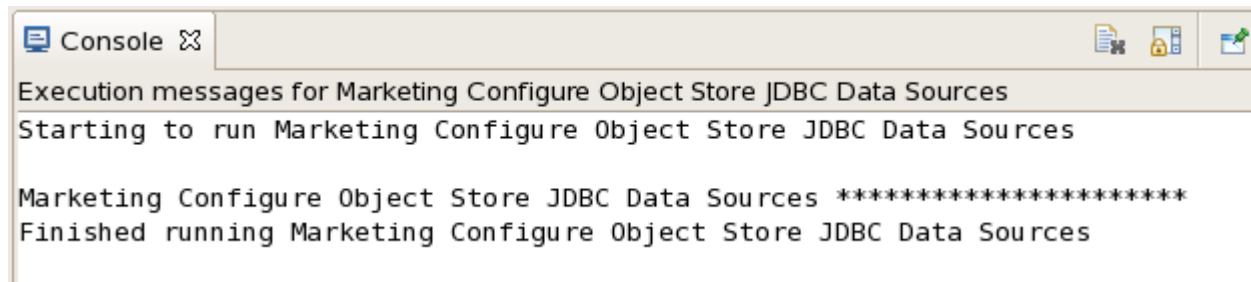
Successfully connected to DataSource



d. Click OK to close the Test Results message window.

5. Run the task to create and configure the data sources:

- a. Right-click the *Configure Object Store JDBC Data Sources* task in the left pane and click *Run Task*.
- b. Monitor the status of the running task in the Console section in the lower right corner of the window. Wait for the message *Finished running Configure JDBC Data Sources* to be displayed in the Console.



6. Close the profile and exit Configuration Manager.

- a. From the menu bar, click File > Close Profile.
- b. Click File > Exit to close the Configuration Manager.

Procedure 4: Test the data sources from the WebSphere Application Server Administrative Console

1. Open the Content Engine WebSphere Application Server Administrative Console.
 - a. Open a Firefox browser.
 - b. Click the *WAS Console* link in the bookmarks toolbar to open the Integrated Solutions Console.

Note the URL for this page:

`https://<ServerName>:9043/ibm/console/logon.jsp`

- c. Enter your account information and click *Log in*.
 - User ID: filenetadmin
 - Password: IBMFileNetP8

The Welcome page is displayed.

2. Open the *Data sources* page.
 - a. In the left pane, expand the Resources link.
 - b. Expand the JDBC link.
 - c. Click the *Data sources* link.

The *Data sources* page is displayed in the right pane.

- d. Scroll down and locate the MarketingDS data source.





Services			
Resources			
Schedulers			
Object pool managers			
JMS			
JDBC			
JDBC providers			
Data sources	<input type="checkbox"/>	MarketingDS	MarketingDS
Data sources (WebSphere Application Server V4)	<input type="checkbox"/>	MarketingDSXA	MarketingDSXA
	<input type="checkbox"/>	OperationsDS	OperationsDS

- b. Select the MarketingDS and MarketingDSXA check boxes and Click *Test connection*.

After a few moments, a message is displayed on the same page indicating that the test connection operation for data source MarketingDS was successful.

Data sources

 Messages

 The test connection operation for data source MarketingDS on server server1 at node P8Node01 was successful.

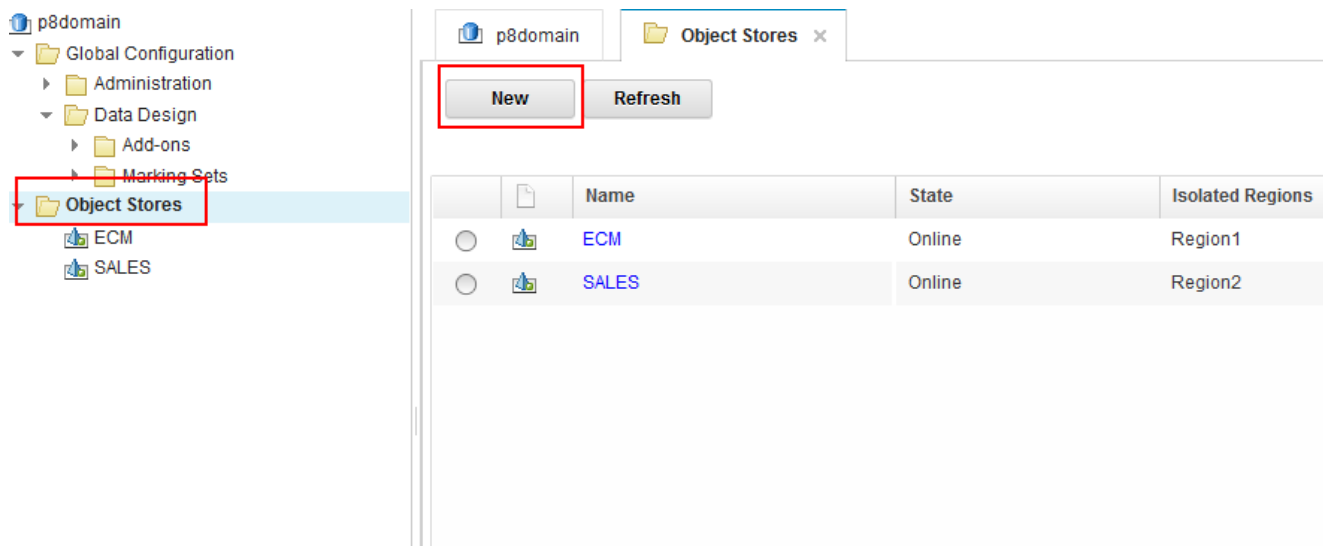
[Data sources](#) > MarketingDS

3. Minimize the browser.

Procedure 5: Create an object store

Use the ACCE to *Create an Object Store*

1. Login to Administration Console for Content Engine (ACCE).
filenetadmin/IBMFileNetP8



2. Under p8domain, select Object Stores and click New in the right hand pane:
3. Complete the *Name and Describe the Object Store* page.

- a. Type *Marketing* in the Display Name field.

The Symbolic Name and Description fields are populated automatically with the same name.

- b. Click Next.

The screenshot shows the 'New Object Store' configuration page. At the top, there are tabs for 'p8domain', 'Object Stores', and 'New Object Store *'. Below the tabs are buttons for '< Back', 'Next >', 'Finish', and 'Cancel'. The main section is titled 'Name the Object Store' and contains the following fields:

- Display name:** A text field containing 'Marketing' (highlighted with a red box).
- Existing names:** A list box showing 'ECM' and 'SALES'.
- Symbolic name:** A text field containing 'Marketing'.
- Description:** A text field containing 'Marketing'.

4. Click New to create a new database connection

p8domain Object Stores x New Object Store * x

< Back Next > Finish Cancel

Define the Database

Select a database connection to indirectly determine the database for the object store and also the database engine: DB2, Oracle, or SQL Server. The database engine uses to a namespace, such as a namespace for indexes. Any namespace that you specify is expected to exist in the database.

Important: If the database for this object store is also used by other object stores, enter a schema name. The schema name must be unique so that no two object stores use

* Database connection: ? New...

Schema name: ?

Existing names:

5. Specify the name of the database connection (Marketing)

p8domain Object Stores x New Object Store * x New Database Connection * x

< Back Next > Finish Cancel

Specify the Database Connection Name and Site

Use this wizard to create a database connection that identifies the JNDI XA and non-XA data source pair that provides the JDBC connection to the database. [Le:](#)

* Display name:

Existing names:

6. Enter the names of datasources created for the marketing object store

< Back Next > Finish Cancel

Database Connection Data Source Names

The JNDI and the JNDI XA data sources. The data sources must be predefined in the JDBC services configuration of the application server that hosts the (has been used for another database connection.

* JNDI data source: ?

* JNDI XA data source: ?

Existing names:

7. Complete the creation of the database connection and choose the newly created connection in the object store creation page as shown below:

Define the Database

Select a database connection to indirectly determine the database for the object store and also the database engine: DB2, Oracle, or SQL Server. You can also specify a namespace, such as a namespace for indexes. Any namespace that you specify is expected to exist in the database.

Important: If the database for this object store is also used by other object stores, enter a schema name. The schema name must be unique.

* Database connection: ?

Schema name: ?

Existing names:

DB2ADMIN

8. Take the defaults and click Next

9. Complete the *Specify the default Content Store* page.

powerman | Object Stores | new object store

< Back Next > Finish Cancel

Select the Type of Storage Area for Content

Select the type for the storage area where content is stored. Selecting a type other than **Database** causes two storage areas to be created (because an object store always has a data storage area to use for incoming content can be changed later after the object store is created).

Storage area type:

☒ Database ?

☐ File ?

☐ Fixed ?

10. Complete the *Specify object store administrators*.

- Click Add, which opens the Add *Users and Groups* window.
- In the Search Criteria panel, type `p8admins` in the text field.

Add Users and Groups

You can search for the user and group accounts to whom you want to allow or deny access. The accounts that you select are added to the access control list of the object with default permissions that you can view and modify.

Search Criteria

Search in realm:




Search for: ☒ Search for Groups ☒ Search for Users ☒ Search for Special accounts

Maximum results returned:

Sort order:

Short name Starts with

Search Results

Available Users and Groups		Selected Users and Groups
 #AUTHENTICATED-USERS	<input type="button" value="→"/> <input type="button" value="←"/>	
 #CREATOR-OWNER		
 p8admins		

OK

Cancel

- c. Select the group name P8Admins and click OK.
- d. Click Next.
12. Complete the *Specify Initial User Groups* page.
13. Click Add and pick p8users and click Next

Add Users and Groups

Add Users and Groups

You can search for the user and group accounts to whom you want to allow or deny access. The accounts that you select are added to the access control list of the object with default permissions that you can view and modify.

Search Criteria





Search in realm:

Search for: ☒ Search for Groups ☒ Search for Users ☒ Search for Special accounts

Maximum results returned:

Sort order:

Search Results

Available Users and Groups		Selected Users and Groups
 #AUTHENTICATED-USERS	<div><div></div><div></div></div>	 p8users
 #CREATOR-OWNER		
 p8admins		

14. Select the Workplace/WorkplaceXT Configuration and click Next

Select Add-ons

Select the add-ons to install. Additional add-ons can be installed later after the object store is created.

Important: For DB2 databases, select a minimal number of add-ons. A limit exists to the number of add-ons that can be installed for the following:

- Add-on properties are implemented as table columns.
- The DB2 maximum row size for tables is 32 KB.

Default Configuration | **Workplace/Workplace XT Configuration**

<input type="checkbox"/>		Display Name	Type	Prerequisites
<input type="checkbox"/>		5.2.0 Base Application Extensions	Optional	
<input checked="" type="checkbox"/>		5.2.0 Base Content Engine Extensions	Default	
<input type="checkbox"/>		5.2.0 CFS ICI Lockdown Extensions	Optional	
<input type="checkbox"/>		5.2.0 CFS-IS Extensions	Optional	
<input type="checkbox"/>		5.2.0 Custom Role Extensions	Optional	
<input type="checkbox"/>		5.2.0 DITA Publishing Extensions	Optional	5.2.0 Publishing Extensions

15. Click Finish to create the Object Store.

Information

It can take several minutes before the progress bar changes, and another minute or more for the new object store to be created.

16. Verify that the new object store is usable:

- Run Workplace XT.
- Enter your account information and click *Log in*.
 - User name: filenetadmin
 - Password: IBMFileNetP8
- Select the Marketing object store.
- Click the Add Folder icon.

The Add Folder browser window opens.

- e. Type `Test Folder` in the Folder Name field under Properties.
 - f. Click Add, and then click OK to close the Add Folder window. If the new folder is added, you have successfully created the object store.
 - g. Log out of Workplace XT.
-

Lesson 2.2. Configure a file storage area and policy

Why is this lesson important to you?

Your business solution requires creating file storage areas and using them as part of a storage area farm. As the solution builder, you must create the file storage areas, define a storage area farm, and create a file storage policy to manage how the storage area farm is used.

Activities

- Activity: Create a file storage area, page 2-32
- Activity: Create and use a file storage policy, page 2-43

Activity: Create a file storage area

Summary

Create a file storage area and set it as the default storage area for the Email class. Edit the storage area configuration to not allow caching and to set the deletion method to Purge.

Procedures

Procedure 1, Create a folder for the file storage area, page 2-32

Procedure 2, Create a file storage area using Enterprise Manager, page 2-33

Procedure 3, Explore the storage area folder structure, page 2-35

Procedure 4, Configure the file storage area, page 2-36

Procedure 5, Verify the configuration, page 2-38

Procedure 2: Create a file storage area using Enterprise Manager



Windows

Use the Windows student system for this procedure.

1. Create a file storage area for the Marketing object store:
 - a. Login to the ACCE and select the Marketing object store
 - b. Select Administrative > Storage Areas and click New in the right hand pane

t Store: SALES

Display Name	Type	Status
Default Database Storage Area	Database Storage Area	Open
Sales	File Storage Area	Open

- c. Complete the wizard using the following table:

Item	Value
Storage Area Name	FSMarketing
Storage Area Type	File
Site	Initial Site
Root Directory	C:\Filestores\Marketing
Size Parameters	Directory Structure: Small Maximum Size: Maximum allowed on device Maximum Number of Elements: Unlimited Delete Method: Standard Suppress Duplicate Content Elements: cleared
Storage Area Policy	<i>Do not select a storage area policy</i> <i>Do not create a new storage policy.</i> The storage area will not be used until it is mapped to a storage policy.

2. Complete the storage area creation by clicking Finish

Procedure 3: Explore the Windows storage area directory structure

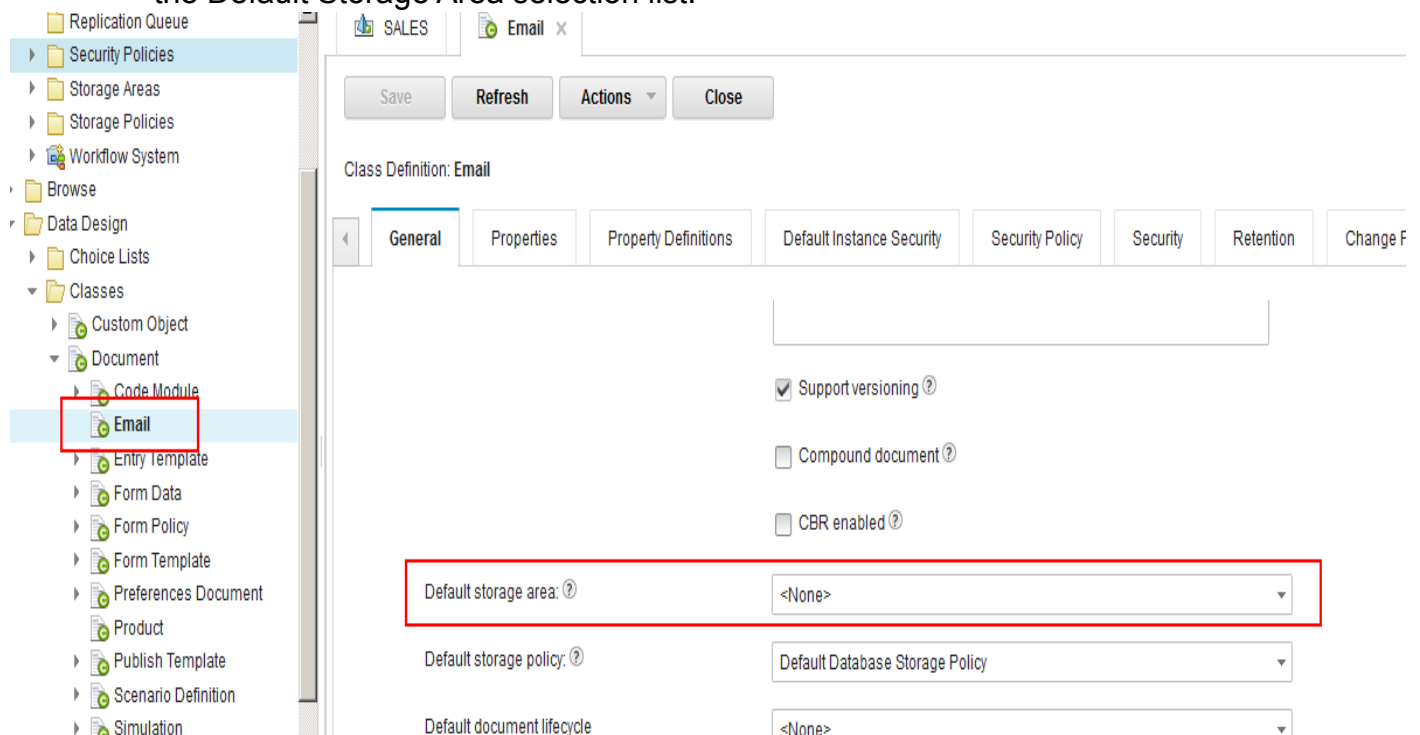
In this procedure, you examine the contents of the Marketing subdirectory that were created when the file storage area was created.

1. Examine the Marketing subdirectory.
 - a. Open a windows explorer and view the C:\Filestores\Marketing folder
 - b. Note the structure:
 - content subdirectory
 - fn_stakefile.xml file
 - inbound subdirectory
 - c. Review the subfolders of the content subdirectory (the list of subdirectories may be different on your system)

Procedure 4: Configure the file storage area

1. Set default storage for Marketing Email class documents. Set the new file storage area of the Marketing object store as the default storage container for documents belonging to the Email class.

- a. In ACCE, expand Object Stores > Marketing > Data Design > Classes > Document > Email Class.
- b. Select Email class
- c. In the right hand pane, on the General tab, select FSMarketing from in the Default Storage Area selection list.



- d. Click Save
- 2. Modify the properties of the FSMarketing storage area.
 - a. Select Marketing > Administrative > Storage Areas > FSMarketing.
 - b. In the right pane, select Click the Configuration tab.

Status	Option name
Open	Resource Status
selected	Allows Delete
	Suppress Duplicate Content Elements

- c. Select the Not Allowed option in the Content Caching dropdown
- d. Select the Purge option in the Delete method panel.
- e. Update the Statistics tab.
 - i. In the *Storage Area Maximums section*, accept the default option of Unlimited for the *Maximum Number of Elements*.
 - ii. Change Maximum Size to 10 MB

Examine the Storage Policies tab.

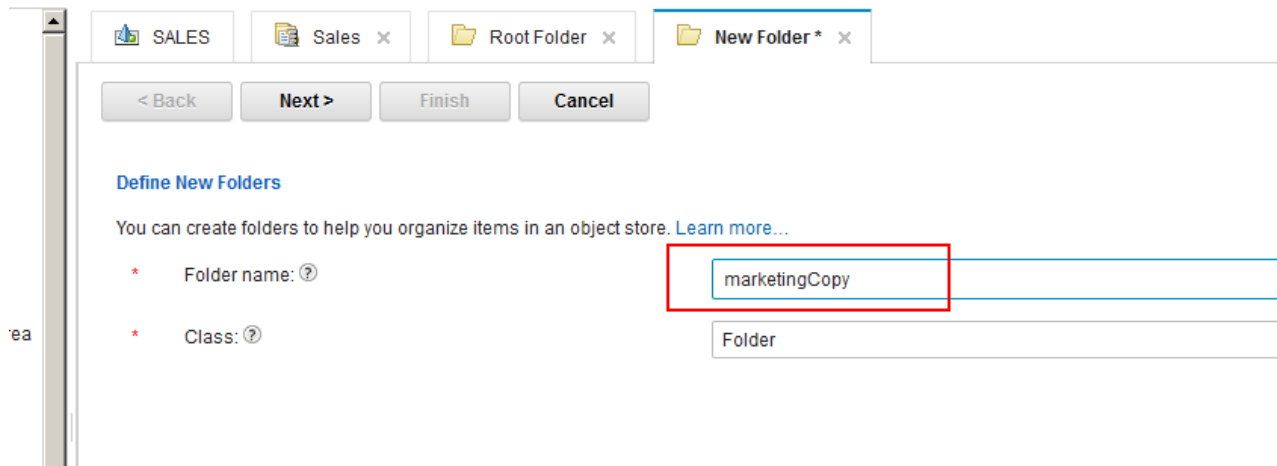
Note that the Storage Area is **not** mapped to any Storage Policies.

- 3. Click Save to apply your changes to the FSMarketing properties.

Procedure 5: Verify the configuration

Use the following procedure to verify that adding an email to the system adds the content to the new file storage area, and that adding a regular document adds it to the default storage area.

1. Create a new folder named marketingCopy in the Marketing object store:
 - a. Select Marketing > Browse > Root Folder.
 - b. Right click on the Root Folder and select New Folder



accept the defaults in the next 2 dialogs and click Finish to create the Folder

2. Add an email file (Class: Email) to the marketingCopy folder:
 - a. Login to WorkplaceXT. Navigate to the marketingCopy folder and add a document of type class Email. Use the Add Document wizard in WorkplaceXT to do so.
 - b. Choose the sample content in file sampleEmail.txt in
C:\Labs\P8Administration\ContentStorage
3. Add a document file (Class: Document) to the marketingCopy folder.
 - a. For content choose sampleDocument.txt in
C:\Labs\P8Administration\ContentStorage
4. Verify content storage.

Here you verify that the documents were stored in the expected storage areas.

- a. In ACCE, select Marketing > Administrative > Storage Areas.
- b. From the menu bar, click Action > Refresh to ensure that the most

current data is displayed.

Two storage areas are listed.

- Default Database Storage Area
- FSMarketing

c. Locate the file count column for the two storage areas and verify that one file occurs in each storage area.

4. These files are the test email and test document files that you added.

Activity: Create and use a file storage policy

Summary

Create two new file storage areas to represent a storage area farm. Create a new storage policy that includes both of these storage areas and assign it to the Document class. Add some documents to the object store and observe the file count information in the storage areas.

After you do these exercises, create a third storage area and add it to the storage policy. Add some more documents and observe the new file count information for the storage areas.

Procedures

Procedure 1, Create subdirectories on windows system

Procedure 2, Create storage area farms

Procedure 3, Configure a new file storage policy

Procedure 4, Verify that storage area farming is working, page

Procedure 5, Create another subdirectory on Linux system

Procedure 6, Add a new storage area to an existing storage farm

Procedure 1: Create sub folders on the Windows file system

1. In the C:\filestores\ folder create fsfarm1 and fsfarm2 folders

Procedure 2: Create storage area farms

The storage policy is going to make use of the Content Engine load-balancing capabilities to distribute content within a storage area farm. Use the following procedure to create two file storage areas to represent a storage area farm.

1. Create two file storage areas for the Marketing object store:
 - a. Follow the procedures from the previous section to create 2 file storage areas. Use the data provided below:

Area	Item	Value
Storage Area 1	Specify a Site	Accept <i>Initial Site</i>
	File Storage Area Name	FS1
	Storage Area type	File Storage Area
	Root Directory	C:\Filestores\fsfarm1
	Size Parameters	Accept defaults.
	Specify Storage Policy page	<i>Do not create a new storage policy.</i>

Area	Item	Value
Storage Area 2	Specify a Site	Accept <i>Initial Site</i>
	File Storage Area Name	FS2
	Storage Area type	File Storage Area
	Root Directory	C:\Filestores\fsfarm2
	Size Parameters	Accept defaults.
	Specify Storage Policy page	<i>Do not create a new storage policy.</i>

Procedure 3: Configure a new file storage policy

Now that you have a storage area farm, you can create a storage policy that assigns content to this farm. Use the following data and procedure to create a file storage policy and apply it to the Document class.

1. Create a new storage policy:
 - a. In Enterprise Manager, select Marketing > Storage Policies.
 - b. Click Action > New Storage Policy.
-

The Create Storage Policy Wizard opens.

- i. Click Next.
- ii. Use the data provided in the following table to complete the wizard.

Page or property	Value
Storage Policy Name	Farmed Storage
Select Content Storage Method	Select Storage Areas from a list
Selected Storage Areas	FS1 FS2

- c. Select the Marketing object store and click Action > Refresh.
2. Assign the new storage policy to the Document class:
- a. Select Marketing > Document Class.
 - b. Right-click Document Class and click Properties.
 - c. On the General tab, change the Default Storage Policy to Farmed Storage.

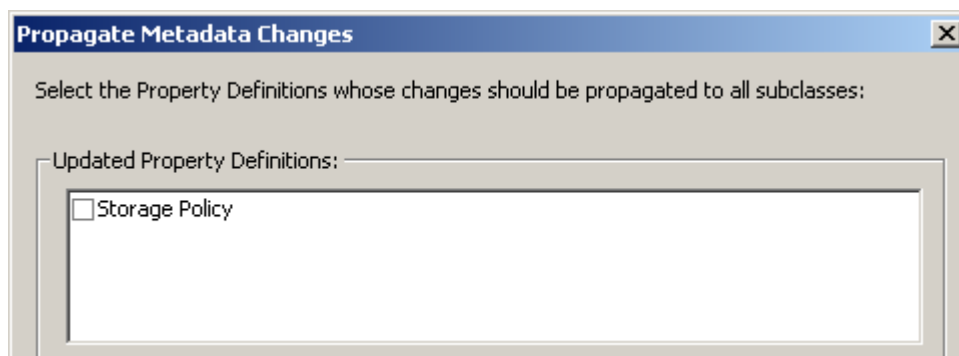
Verify that <None> is selected for the Default Storage Area. The Farmed Storage policy set in the previous procedure directs the system to use both the FS1 and FS2 storage areas.

If both the Default Storage Area and the Default Storage Policy are set, the Default Storage Area setting takes precedence and the storage policy that you defined is ignored.

- d. Click Apply.

After a short while, the Propagate Metadata Changes window opens.

- i. Ensure that the check box for the Storage Policy item is cleared so that the changes are not propagated to the Document subclasses.



- ii. Click OK to close the Propagate Metadata Changes window.

It can take another short while for the new default storage policy assignment to be completed by the system.

- e. Click OK to close the Properties window.
-





Procedure 4: Verify that storage area farming is working

To see the storage area farm at work, you are going to add some documents to the Marketing object store and then view the statistics of the FS1 and FS2 storage areas.

3. Add a document to the object store:
 - a. Run Workplace XT.
 - b. Enter your account information and click *Log in*.
 - User name: filenetadmin
 - Password: IBMFileNetP8
 - c. Go to Marketing > marketingCopy.
 - d. Click the Add Document icon.

The Add Document browser window opens.

- i. Browse to
C:\Labs\P8Administration\ContentStorage.
 - ii. Select Testfile1.doc and click Open.
 - e. Click Next on the Add Document window. f.
Click Add.
 - g. Click OK to close the Add Document window.
4. Add three more documents.
 - a. Repeat steps 3d to 3g to add the files Testfile2.doc, Testfile3.doc, and Testfile4.doc to the Marketing > marketingCopy folder.
 - b. Note that all four files are listed in the right pane of Workplace XT.
 5. Review the results in Enterprise Manager.
 - a. In Enterprise Manager, select Marketing > Storage Areas.
 - b. Click Action > Refresh to make sure that the information that is displayed for the storage areas is current.
- Locate the File Count column for the FS1 and FS2 storage areas and verify that both storage areas contain files.

Storage Areas	Type	State	File Co...	File Byte
 Default Database Storage Area	Database Storage Area	On Line	1	127 KB
 FS1	File Storage Area	On Line	1	137 KB
 FS2	File Storage Area	On Line	3	412 KB
 FSFinance	File Storage Area	On Line	1	0 KB

Lesson 2.4. Create a content cache

Why is this lesson important to you?

A department in your company frequently accesses document content that resides on geographically remote storage areas that are accessed through a wide area network (WAN). As the IBM FileNet P8 administrator, you must create a content cache to expedite access to this remote document content.

Activities

- Create a content cache: Challenge, page 2-53
- Create a content cache: Walkthrough, page 2-55

Create a content cache: Challenge

Challenge

Create a folder C:/contentcache subdirectory.

On the Windows student system, use Enterprise Manager and the data below to do the following:

- Create a content cache area.
- Configure the Virtual Server.
- Configure the Default Database Storage Area.
- Modify the Operations > Document Class properties

Data

Required content cache area

Item	Value
Name	Cache1
Content Cache Area Folder page (Do not click Browse.)	C:/contentcache
Size Parameters page	<Accept default values.>
Processing Parameters page <ul style="list-style-type: none">• Content Lifespan:	<Accept pruning thresholds.> 5 Minutes

Virtual server configuration:

- Sites > Initial Site > Virtual Servers > <serverName>
 - Properties: Content Cache tab
 - Override inherited settings:
selected
 - Available Content Cache Areas:
Cache1

Default Database Storage Area configuration:

- Operations > Storage Areas > Default Database Storage Area
 - Properties: Configuration tab
 - Content Caching: Allowed

Operations > Document Class configuration:

- Properties > General tab
 - Default Storage Area: Default Database Storage Area
 - Default Storage Policy: None
 - Propagate Metadata Changes to all subclasses
 - Storage Area
 - Storage Policy
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Sample documents:

- Location: C:\Labs\P8Administration\ContentStorage
- File names: MarketingPlan1.doc

Verification

- Use Workplace XT (user ceadmin) to add the document specified in the data section to the Operation > Miscellaneous folder.
- Examine the Properties: Statistics tab of the following object:
Sites > Initial Site > Content Cache Areas > Cache1 properties
- Verify that there is one element in the cache.
- Wait 5 minutes, refresh the Content Cache Areas object, and verify that no elements are displayed in the cache, and that one element has been deleted.

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