

IBM WebSphere Digital Media Enabler for
Multiplatforms



WebSphere Digital Media Enabler Administration Guide

Version 54

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Multiplatforms



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Note

Before using this information and the product it supports, be sure to read the general information under Appendix M, "Notices", on page 139.

Third Edition (June 2003)

This edition applies to IBM WebSphere Digital Media Enabler for Multiplatforms Version 5.4 Release 2, (Program 5724-E19) and to all subsequent releases and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of your product.

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Chapter 1. Understanding WebSphere® Digital Media Enabler

Overview of this document





The primary purpose of this document is to summarize the key operational procedures for the WebSphere Digital Media Enabler system as well as to act as a quick reference guide for key procedures and for the location and content of key server configuration files. It also identifies the location of log files that are important for problem determination.

This guide does not replace the administration guides provided by IBM® WebSphere Commerce, IBM Content Manager, IBM WebSphere Commerce Payments, or IBM DB2®. The documentation for those products should be used to acquire a deeper understanding of the various procedures and options. Refer to the following documents for more information on administering and using these products:

- *IBM Content Manager System Administration Guide* (SC27-1335-00)
- *IBM DB2 Universal Database™ Administration Guide* (SC09-2946)
- *IBM WebSphere Commerce Store Development Guide*
- *IBM WebSphere Commerce Site Administrator's Guide*
- *IBM WebSphere WebSphere Commerce Payments Administrator's Guide*
- *DB2 UDB Text Information Extender V7.2 Administration and Programming* (SH12-6732-00)
- *IBM Content Manager for Multiplatforms / IBM Enterprise Information Portal for Multiplatforms Messages and Codes* (SC27-1349-00)

This guide does describe basic system operations such as starting and stopping the servers, performing some of the other key operational functions, and locating key information for debugging. It does not include details on all functions such as how to back up, recover, or reorganize databases. This and other additional information is in the standard product manuals.

This document uses the following conventions:

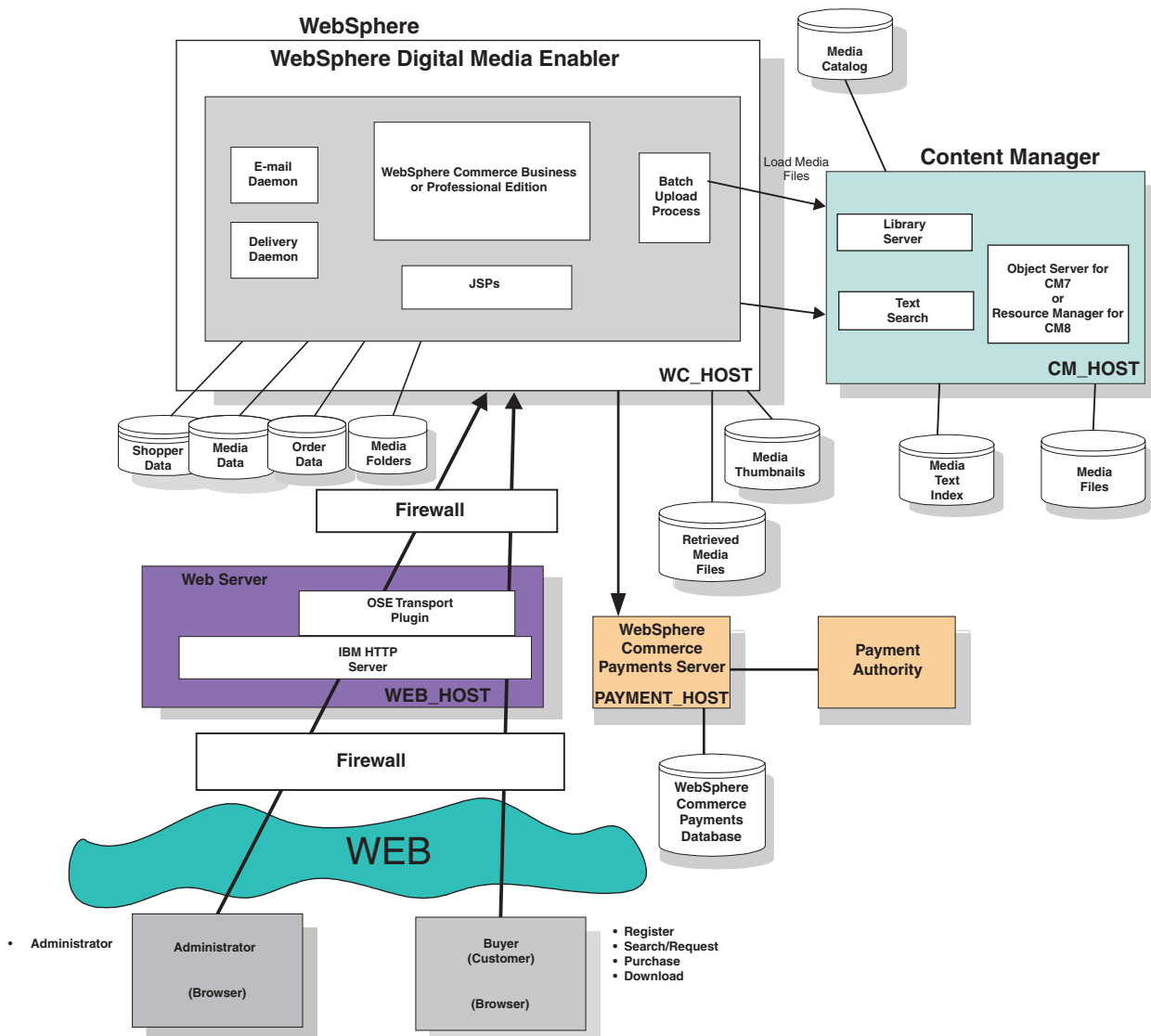
- **Boldface type** indicates commands or graphical user interface (GUI) controls such as names of fields, buttons, or menu choices.
- Monospace type indicates examples of text that you enter exactly as shown as well as file names and directory paths.
- *Italic type* is used for emphasis and for variables for which you substitute your own values.
-  indicates information that is specific to WebSphere Digital Media Enabler for the Windows® operating environment.
-  indicates information that is specific to WebSphere Digital Media Enabler for the Windows NT® operating environment operating system.
-  indicates information that is specific to WebSphere Digital Media Enabler for the Windows 2000 operating environment.
-  indicates information that is specific to WebSphere Digital Media Enabler for UNIX®.

- **AIX** indicates information that is specific to WebSphere Digital Media Enabler for AIX®.
- **Solaris** indicates information that is specific to WebSphere Digital Media Enabler for the Solaris operating environment.
- **DB2** indicates information that is specific to the DB2 Universal Database.
- **Oracle** indicates information that is specific to the Oracle database.

Site architecture

The major components of WebSphere Digital Media Enabler are explained in this section and shown in the following diagram. For a list of prerequisites, refer to the *WebSphere Digital Media Enabler Installation and Configuration Guide*.

WebSphere Digital Media Enabler Architecture (High Level)



Components

The sample WebSphere Digital Media Enabler system configuration is composed of four servers that include the front-end web server and three back-end application systems, which are the IBM WebSphere Commerce Business or Professional Edition, IBM WebSphere Commerce Payments, and IBM Content Manager systems. The web server is separated from the application systems by a firewall system in order to protect the applications and databases. There are many options for configuring a WebSphere Digital Media Enabler site. The sample configuration described in this document illustrates one common configuration. Other possible WebSphere Commerce advanced configurations are described in the WebSphere Commerce document library.

IBM Content Manager system

IBM Content Manager manages the search, retrieval, and display of all digital content. This includes media objects, media metadata, and thumbnails. The Content Manager system is based on a client-server model comprised of one library server, one or more object servers (for Content Manager Version 7) or resource managers (for Content Manager Version 8), and one or more clients. In addition, a text search server allows users to perform Boolean and free text searches on image metadata. The Content Manager server is accessed from the WebSphere Digital Media Enabler application through Java™ APIs that are supplied by the IBM Enterprise Information Portal (EIP) product.

Web server

The web server communicates with end-user browsers and the back-end WebSphere Commerce Application Server via TCP/IP. The web server communicates with the WebSphere Commerce applications through a WebSphere plugin used by the HTTP server. The web server resides on a system on the web layer. It is separated by a firewall from the WebSphere Commerce system on the data layer.

Library server

The core of the Content Manager infrastructure is the library server, which manages the Content Manager catalog information, locates stored objects using a variety of search technologies, provides secure access to objects in the collection, and communicates with the object server (Version 7) or resource manager (Version 8). The library server uses a relational database to manage digital objects and provide data integrity by maintaining index information and controlling access to objects stored on object servers (Version 7) or resource managers (Version 8).

Object server or resource manager

The object server in Content Manager Version 7 or the resource manager in Content Manager Version 8 is a repository for objects that are stored in the Content Manager system. Applications retrieve objects from the object server or resource manager through requests that are routed by the library server. The object server or resource manager efficiently and automatically manages storage resources based on the storage-management entities (such as volumes) that are defined using the Content Manager System Administration program. The object server or resource manager supports attachment of DASD, Tivoli® Storage Manager, and other storage devices. A database on the object server or resource manager contains data about the exact location of each media object.

Text search server

The text search server allows you to index and search the media objects based on textual descriptions.

The following are some of the functions that the text-search engine provides:

- Boolean and free text searches
- Searching on words or phrases
- Wildcard searches

IBM WebSphere Commerce system

The WebSphere Commerce Business or Professional Edition server contains the e-commerce application for the WDME stores. This includes the WebSphere Application Server 4.0 and all of the commerce application components including EJB files, Java servlets, and JSP files. It also contains a database with tables containing data about users, products, media folders, and orders. The key WebSphere Commerce application components include the following:

- Store Services
- WebSphere Commerce Accelerator
- Administration Console
- Configuration Manager
- WebSphere Application Server

IBM WebSphere Commerce Payments system

IBM WebSphere Commerce Payments is a protocol-independent payment transaction server that runs on a separate system in the data layer in this sample WebSphere Digital Media Enabler system. It contains a relational database with information to manage payments. WebSphere Commerce Payments is designed with a core framework into which different payment software components (cassettes) can be plugged to handle specific electronic payment systems. Typically, WebSphere Commerce Payments runs on a separate system, but it may run on the WebSphere Commerce Business or Professional Edition system if desired.

Chapter 2. Operating the web server

This section describes how to start and stop the IBM HTTP Server. For other web servers, refer to the relevant product documentation.

Starting and stopping the IBM HTTP Server

This server is typically started when the system is booted.

Windows

Start:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services** .
2. Select the service named **IBM HTTP Server**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **IBM HTTP Server**.
3. Click **Stop**.

AIX

Start:

1. Log in to the HTTP Server system (*web_host_name*) as root.
2. Change to the directory:
`/usr/HTTPServer/bin`
3. Start the server by typing:
`./apachectl start`

Stop:

1. Log in to the HTTP Server system (*web_host_name*) as root.
2. Change to the directory:
`/usr/HTTPServer/bin`
3. Stop the server by typing the command:
`./apachectl stop`

Solaris

Start:

1. Log in to the HTTP Server system (*web_host_name*) as root.
2. Change to the following directory:
`/opt/IBMHTTPD/bin`
3. Start the server by typing the following:
`./apachectl start`

Stop:


1. Log in to the HTTP Server system (*web_host_name*) as root.
2. Change to the following directory:
`/opt/IBMHTTPD/bin`
3. Stop the server by typing the following command:
`./apachectl stop`

Performing problem determination for the web server

Refer to these log files to determine and resolve problems encountered with the HTTP server.





WebSphere Application Server log files

The log files for the WebSphere Application Server are in the following directory:

-  *drive:*\WebSphere\AppServer\logs
-  *drive:*\Program Files\WebSphere\AppServer\logs
-  */usr/WebSphere/AppServer/logs/*
-  */opt/WebSphere/AppServer/logs/*

IBM HTTP Server log files

The log files for the IBM HTTP Server are in the following directory:

-  *drive:*\WebSphere\HTTPServer\logs
-  *drive:*\Program Files\WebSphere\HTTPServer\logs
-  */usr/HTTPServer/logs/*
-  */opt/IBMHTTPD/logs/*

Chapter 3. Operating the WebSphere Commerce system

Starting the WebSphere Commerce site

The following servers must be started for WebSphere Digital Media Enabler to operate with WebSphere Commerce:

- IBM HTTP Server
- WebSphere Admin Server

The WebSphere Commerce Application Server must be started under WebSphere.

Ensure that the WebSphere Commerce Payments and Content Manager systems are functioning correctly before starting WebSphere Commerce.

The following is a typical startup sequence:

1. Start the WebSphere Admin Server.
2. Start the WebSphere Commerce Application Server.
3. Start the e-mail daemon.
4. Start the delivery daemon.
5. Start the upload daemon.

Starting and stopping the WebSphere servers

Starting and stopping the IBM WebSphere Admin Server

Windows

Start:

1. Go to the **Start** menu. Click **Settings > Control Panel > Services**.
2. Select the service named **IBM WS AdminServer**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu. Click **Settings > Control Panel > Services**.
2. Select the service named **IBM WS AdminServer**.
3. Click **Stop**.



AIX Solaris

Start:

1. Log in as root, and ensure that DB2 is running.
2. Run the command `su - wasuser`
3. Run the command `export DISPLAY=fully_qualified_host_name:0.0`
4. Change to the following directory:
 - **AIX** /usr/WebSphere/AppServer/bin
 - **Solaris** /opt/WebSphere/AppServer/bin

5. Run the command `./startupServer.sh &`
6. Check `/WebSphere/AppServer/logs/tracefile` to ensure that the WebSphere Application Server started successfully.

Stop:

1. Run the command `su - wasuser`
2. Run the command `export DISPLAY=fully_qualified_host_name:0.0`
3. Change to the following directory:
 -  `/usr/WebSphere/AppServer/bin`
 -  `/opt/WebSphere/AppServer/bin`
4. Start the WebSphere Administrator's Console with the following command: `./adminclient.sh hostname port`
5. Expand the **WebSphere Admin Domain**.
6. Select your host node name `wc_host_name`.
7. Select **Stop**.
You are warned that you are stopping the node to which you are connected.
8. Click **Yes**.
9. Use the following command to see if all Java tasks have stopped:
`ps -ef | grep AppServer`
10. If any WebSphere processes are still active, use the `kill` command to terminate these processes.

Starting and stopping the WebSphere Commerce Application Server

Before starting the WebSphere Commerce Application Server, ensure that the WebSphere Commerce Admin Server is running.

 **Windows**

Start:

1. Start the WebSphere Application Server Administrator's Console by going to the **Start** menu and clicking **Programs > IBM WebSphere > Application Server V4.0 > Administrator's Console**.
2. Open the branch for the node name (`wc_host_name`, for example).
3. Using the right mouse button, click **WebSphere Commerce Server>**, **Start**.

Stop:

1. Start the WebSphere Application Server Administrator's Console by going to the **Start** menu and clicking **Programs —> IBM WebSphere —> Application Server V4.0 —> Administrator's Console**.
2. Open the branch for the node name (`wc_host_name` for example).
3. Using the right mouse button, click **WebSphere Commerce Server**. Click **Stop**.

 **AIX**  **Solaris**

Start:

1. Start the WebSphere Application Server Administrator's Console by running the command `./adminclient.sh`
2. Open the branch for the node name (`wc_host_name`, for example).
3. Using the right mouse button, click **WebSphere Commerce Server**> **Start**.

Stop:

1. Start the WebSphere Application Server Administrator's Console by running the command `./adminclient.sh`
2. Open the branch for the node name (`wc_host_name`, for example).
3. Using the right mouse button, click **WebSphere Commerce Server**> **Stop**.

Starting and stopping the e-mail daemon

The e-mail daemon is a long-running background task that monitors system activities to see if any e-mail messages need to be sent because of customer actions. E-mail messages are sent to acknowledge new registrations and orders and to e-mail or share media folders. The background e-mail daemon should be started when the WebSphere Digital Media Enabler application is started or no e-mail messages will be sent. Edit the executable e-mail daemon script file to ensure that all of the default paths are correct for your site and that they point to the correct JDBC driver.

Windows

Start:

1. Open a DOS command window.
2. Change to the following directory:

- **NT**

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\email
```

- **2000**

```
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\email
```

3. Edit `EmailAction.txt`, and ensure that the value of action is YES.
4. Run the command `runEmail.bat`

Stop:

1. Open a DOS command window.
2. Change to the following directory:

- **NT**

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\email
```

- **2000**

```
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\email
```

3. Edit `EmailAction.txt`, and change the value of action to no.

AIX

Start:

1. Log in as **wcsorder**.
2. Change to the following directory:
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_
App_instance_name.ear/wcstores.war/store_directory/email`
3. Edit `EmailAction.txt`, and ensure that the value of `action` is `YES`.
4. Run the command `nohup ./runEmail.sh &`

Stop:

1. Log in as **wcsorder**.
2. Do one of the following:
 - Change to the following directory:
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_
App_instance_name.ear/wcstores.war/store_directory/email`

and edit the file `EmailAction.txt` to change the value of `action` to `no`.
 - Or, determine the process ID (using the `ps` command to find `wcsorder` processes), and use the `kill` command to terminate the e-mail daemon process.

Solaris**Start:**

1. Log in as **wcsorder**.
2. Change to the directory
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_
App_instance_name.ear/wcstores.war/store_directory/email`
3. Edit `EmailAction.txt`, and ensure that the value of `action` is `YES`.
4. Run the command `nohup ./runEmail.sh &`

Stop:

1. Log in as **wcsorder**.
2. Do one of the following:
 - Change to the following directory:
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_
App_instance_name.ear/wcstores.war/store_directory/email`

and edit the file `EmailAction.txt` to change the value of `action` to `no`.
 - Or, determine the process ID (using the `ps` command to find `wcsorder` processes), and use the `kill` command to terminate the e-mail daemon process.

Starting and stopping the delivery daemon

The delivery daemon is a long-running background task that monitors system activities to see if any new orders need to be processed because of customer actions. This background delivery daemon should be started when the WebSphere Digital Media Enabler application is started or no new orders will be processed. Edit the executable delivery daemon script file to ensure that all of the default paths are correct for your site and that they point to the correct JDBC driver.

Note: The delivery daemon shipped with WebSphere Digital Media Enabler is written to extract content from IBM Content Manager. If you are using another repository and wish to use the delivery module, you must modify the delivery daemon to access your repository. Alternatively, content delivery may be implemented by your content management system rather than through the WebSphere Digital Media Enabler delivery mechanism.

Windows

Start:

1. Open a DOS command window.
2. Change to the following directory:
 - **NT**
`drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery`
 - **2000**
`drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery`
3. Edit the file `DeliveryAction.txt` to ensure that the value of action is YES.
4. Run the command `runDelivery.bat`

Stop:

1. Open a DOS command window.
2. Change to the following directory:
 - **NT**
`drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery`
 - **2000**
`drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery`
3. Edit `DeliveryAction.txt`, and change the value of action to no.

AIX

Start:

1. Log in as **wcsorder**.
2. Change to the following directory:
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`
3. Edit the file `DeliveryAction.txt` to ensure that the value of action is YES.
4. Run the command `nohup ./runDownload.sh &`

Stop:

1. Log in as **wcsorder**.
2. Do one of the following:
 - Change to the following directory:
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`

and edit the file `DeliveryAction.txt` to change the value of action to no.

- Or, determine the process ID (using the `ps` command to find `wcsorder` processes), and use the `kill` command to terminate the delivery daemon process.

► Solaris

Start:

1. Log in as **wcsorder**.
2. Change to the following directory:
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`
3. Edit the file `DeliveryAction.txt` to ensure that the value of action is YES.
4. Run the command `nohup ./runDownload.sh &`

Stop:

1. Log in as **wcsorder**.
2. Do one of the following:
 - Change to the following directory:
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`

and edit the file `DeliveryAction.txt` to change the value of action to “no”.

- Or, determine the process ID (using the `ps` command to find `wcsorder` processes), and use the `kill` command to terminate the delivery daemon process.

Starting the loader daemon

To start the loader daemon:

► Windows

Start:

1. Open a DOS command window.
2. Change to the following directory:
 - ► NT
`drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader`
 - ► 2000
`drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader`
3. Edit the file `uploadprocessaction.txt` to ensure that the value of action is YES.
4. Run the following command:
`upload.bat load_option input_filename`

where `load_option` =

- **YES** - load new content in upload libraries
- **NO** - load all content from XML and text files in the incoming directory

- **No input_filename** - load content in the specified input file

Stop:

Close the DOS command window.

AIX

Start:

1. Log in as **wcsload**.
2. Change to the directory

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader
```
3. Edit the file `uploadprocessaction.txt` to ensure that the value of action is YES.
4. Run the command `nohup ./upload.sh option_option input_filename &`

Stop:

1. Log in as **wcsload**.
2. Do one of the following:
 - Change to the following directory:

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader
```

and edit the file `uploadprocessaction.txt` to change the value of action to NO.
 - Determine the process ID (using the `ps` command to find `wcsorder` processes), and use the `kill` command to terminate the delivery daemon process.

Solaris

Start:

1. Log in as **wcsload**.
2. Change to the directory

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader
```
3. Edit the file `uploadprocessaction.txt` to ensure that the value of action is YES.
4. Run the command `nohup ./upload.sh option_option input_filename &`

Stop:

1. Log in as **wcsload**.
2. Do one of the following:
 - Change to the following directory:

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader
```

and edit the file `uploadprocessaction.txt` to change the value of action to NO.

- Determine the process ID (using the ps command to find wcsorder processes), and use the kill command to terminate the delivery daemon process.

Viewing log files for WebSphere Commerce

The log files are useful in identifying and fixing problems with the system. The ecmsg_*, servlet*, and wc log files for WebSphere Commerce are in the following directories:

NT

- *drive:\WebSphere\CommerceServer\instances\instance_name\logs\ecmsg_*.log*
- *drive:\WebSphere\CommerceServer\instances\instance_name\logs\servlet*.log*
- *drive:\WebSphere\CommerceServer\instances\instance_name\logs\wcs.log*

2000

- *drive:\Program Files\WebSphere\CommerceServer\instances\instance_name\logs\ecmsg_*.log*
- *drive:\Program Files\WebSphere\CommerceServer\instances\instance_name\logs\servlet*.log*
- *drive:\Program Files\WebSphere\CommerceServer\instances\instance_name\logs\wcs.log*

AIX

- */usr/WebSphere/CommerceServer/instances/instance_name/logs/ecmsg_*.log*
- */usr/WebSphere/CommerceServer/instances/instance_name/logs/servlet*.log*
- */usr/WebSphere/CommerceServer/instances/instance_name/logs/wcs.log*

Solaris

- */opt/WebSphere/CommerceServer/instances/instance_name/logs/ecmsg_*.log*
- */opt/WebSphere/CommerceServer/instances/instance_name/logs/servlet*.log*
- */opt/WebSphere/CommerceServer/instances/instance_name/logs/wcs.log*

Viewing log files for application servers

The log files for application servers are in the following directory:

NT

drive:\WebSphere\AppServer\logs

2000

drive:\Program Files\WebSphere\AppServer\logs

AIX

/usr/WebSphere/AppServer/logs

Locating configuration files for the WebSphere Commerce components

These files contain configurable parameters for the WebSphere Digital Media Enabler application servlets and JSP files, the delivery and e-mail daemons, and the loading process. Typically, the parameter values in these files are set up when the system is installed and may need to be changed if configuration changes are needed.

NT

- HTTP Server configuration file
drive:\WebSphere\HTTPServer\conf\httpd.conf
- Configuration parameters for JSP files
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\lightbox\jsp\DMConfig.inc
- Properties file for all Digital Media stores
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\lib\digitalmedia.properties
- Properties file for JSP text
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\WEB-INF\classes\store_directory\dmstoretext_locale.properties
- Properties file for error messages and configuration parameters
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\WEB-INF\classes\store_directory\dmstoreconfig_locale.properties
- Properties file for e-mail
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\email\mailprocess.properties
- Properties file for e-mail text
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\email\mailprocess_locale.properties
- Properties file for delivery text
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery\delivery_locale.properties
- Properties file for delivery
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery\delivery.properties
- Properties file for load program
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader\parms.txt
- Index class and other constants for load program
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader\wcdmload\Constants.java

2000

- HTTP Server configuration file
drive:\Program Files\WebSphere\HTTPServer\conf\httpd.conf
- Configuration parameters for JSP files

drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\lightbox\jsp\DMConfig.inc

- Properties file for all Digital Media stores
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\lib\digitalmedia.properties
- Properties file for JSP text
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\WEB-INF\classes\store_directory\dmstoretext_locale.properties
- Properties file for error messages and configuration parameters
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\WEB-INF\classes\store_directory\dmstoreconfig_locale.properties
- Properties file for e-mail
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\email\mailprocess.properties
- Properties file for e-mail text
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\email\mailprocess_locale.properties
- Properties file for delivery text
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery\delivery_locale.properties
- Properties file for delivery
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery\delivery.properties
- Properties file for load program
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader\parms.txt
- Index class and other constants for load program
drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader\wcdmload\Constants.java

▶ AIX

- HTTP Server configuration file
/usr//HTTPServer/conf/httpd.conf
- Configuration parameters for JSP files
usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory/common/lightbox/jsp/DMConfig.inc
- Properties file for all Digital Media stores
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear\lib\digitalmedia.properties
- Properties file for JSP text
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear\wcstores.war\WEB-INF\classes\store_directory\dmstoretext_locale.properties
- Properties file for error messages and configuration parameters

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/WEB-INF/classes/
store_directory/dmstoreconfig_locale.properties*

- Properties file for e-mail

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/email/mailprocess.properties*

- Properties file for e-mail text

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/email/mailprocess_locale.properties*

- Properties file for delivery

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/delivery/delivery.properties*

- Properties file for delivery text

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/delivery/delivery_locale.properties*

- Properties file for load program

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/custom_mass_loader/parms.txt*

- Index class and other constants for load program

*/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/custom_mass_loader/wcdmload/
Constants.java*

Solaris

- HTTP Server configuration file

/opt//HTTPServer/conf/httpd.conf

- Configuration parameters for JSP files

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/lightbox/jsp/DMConfig.inc*

- Properties file for all Digital Media stores

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/lib/digitalmedia.properties*

- Properties file for JSP text

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/WEB-INF/classes/
store_directory/dmstoretext_locale.properties*

- Properties file for error messages and configuration parameters

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/WEB-INF/classes/
store_directory/dmstoreconfig_locale.properties*

- Properties file for e-mail

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/email/mailprocess.properties*

- Properties file for e-mail text

*/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/email/mailprocess_locale.properties*

- Properties file for delivery

/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery/delivery.properties

- Properties file for delivery text

/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery/delivery_locale.properties

- Properties file for load program

/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/custom_mass_loader/parms.txt

- Index class and other constants for load program

/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/custom_mass_loader/wcdmload/Constants.java

Locating directories for the WebSphere Commerce resources

The WebSphere Commerce resources are in the following directories:

NT

- Thumbnail images

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\webobjects\thumbnails

- GIFs, JPGs, scripts, and stylesheets

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\webobjects\locale\images

- WebSphere Commerce JSPs

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common

- Additional JSP for media folders

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\lightbox\jsp

2000

- Thumbnail images

drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\webobjects\thumbnails

- GIFs, JPGs, scripts, and stylesheets

drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\webobjects\locale\images

- WebSphere Commerce JSP

drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common

- Additional JSP for media folders

drive:\Program Files\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\common\lightbox\jsp

AIX

- Thumbnail images
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/webobjects/thumbnails`
- GIFs, JPGs, scripts, and stylesheets
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/webobjects/locale/images`
- Location of WebSphere Commerce JSPs
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/`
- Location of additional JSPs for media folders
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/lightbox/jsp`

Solaris

- Thumbnail images
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/webobjects/thumbnails`
- GIFs, JPGs, scripts, and stylesheets
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/webobjects/locale/images`
- WebSphere Commerce JSP
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/`
- Additional JSPs for media folders
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/common/lightbox/jsp`

Managing the site with other WebSphere Commerce tools

Other WebSphere Commerce administration tools that you can use to manage the site include the following:

- WebSphere Commerce Accelerator
- WebSphere Commerce Store Services
- WebSphere Commerce Configuration Manager

WebSphere Commerce Accelerator

Use the WebSphere Commerce Accelerator to maintain users, products, and orders for your site.

To invoke the WebSphere Commerce Accelerator, start the Internet Explorer 5.5 browser and enter the following web address:

`http://web_host_name/accelerator`

WebSphere Commerce Store Services

Use Store Services to maintain store information such as general store information, shipping information, and taxes.

To invoke Store Services, start the Internet Explorer 5.5 browser and enter the following web address:

`http://web_host_name/storeservices`

WebSphere Commerce Administration Console

Use the WebSphere Commerce Administration Console to maintain WebSphere Commerce messaging options such as the “forgot password” e-mail.

To invoke the WebSphere Commerce Administration Console, start the Internet Explorer 5.5 browser and enter the following web address:

`http://web_host_name/adminconsole`

WebSphere Commerce Configuration Manager

Use the WebSphere Commerce Configuration Manager to maintain WebSphere Commerce configuration parameters.

To invoke the WebSphere Commerce Configuration Manager, do the following:

Windows

Go to the **Start** menu, and click **Programs > IBM WebSphere Commerce > Configuration**.

AIX

1. Open a terminal window.
2. Run the command `su - wasuser`
3. Run the command `export DISPLAY=fully_qualified_host_name:0.0`
4. Change to the following directory:
`/usr/WebSphere/CommerceServer/bin`
5. Run the command `./config_server.sh`

Solaris

1. Open a terminal window.
2. `su - wasuser`
3. `export DISPLAY=fully_qualified_host_name:0.0`
4. Change to the directory `/opt/WebSphere/CommerceServer/bin`
5. Run the command `./config_server.sh`

Chapter 4. Operating the IBM WebSphere Commerce Payments system

The Payments system should be started before the WebSphere Commerce Application Server is started. If the Payments server is not started, orders cannot be placed by site customers.

The following is a typical startup sequence:

1. Start the WebSphere Application Server.
2. Start the WebSphere Application Server Administrator's Console.
3. Start the WebSphere Commerce Payments Application Server.
4. Start the WebSphere Commerce Payments Engine.
5. Start the WebSphere Commerce Application Server.

Starting and stopping WebSphere Commerce Payments

Before starting WebSphere Commerce Payments, ensure that the WebSphere Commerce Admin Server is up and the WebSphere Administration Console is active. WebSphere Commerce Payments may be on a separate system (payment_host) or on the same system as WebSphere Commerce. To start WebSphere Commerce Payments, do the following:

Start the WebSphere Commerce Payments Application Server using the WebSphere Administration Console:



1. Open the branch for the node name (*wc_host_name*, for example).
2. Expand **Application Servers**.
3. Right click **WebSphere Commerce Payments**.
4. Click **Start**.

Start WebSphere Commerce Payments:



1. Open a DOS window and change directory to the directory where WebSphere Commerce Payments is installed.
2. Type the command `IBMPayServer`. Type your WebSphere Commerce Payments password.
3. Type the password that you specified to use when connecting to the database.



1. Open a terminal window.
`su - wasuser`
2. Enter the command `Export DISPLAY=fully_qualified_host_name:0.0`
3. Change to the directory `/usr/lpp/PaymentManager`
4. Enter the command `./IBMPayServer`. You are prompted to enter your WebSphere Commerce Payments password.

5. Enter the password that you specified to use when connecting to the database.

Solaris

1. Open a terminal window.
`su - wasuser`
2. Enter the command `Export DISPLAY=fully_qualified_host_name:0.0`
3. Change to the directory `/opt/lpp/PaymentManager`
4. Enter the command `./IBMPayServer`. You are prompted to enter your WebSphere Commerce Payments password.
5. Enter the password that you specified to use when connecting to the database.

Stop WebSphere Commerce Payments:

Windows

1. Open a DOS window and change directory to the directory where WebSphere Commerce Payments is installed.
2. Enter the command `StopIBMPayServer`. You are prompted to enter your WebSphere Commerce Payments password.
3. Enter the password that you specified to use when connecting to the database.

AIX

1. Open a terminal window.
`su - wasuser`
2. Enter the command `Export DISPLAY=fully_qualified_host_name:0.0`
3. Change to the directory `/usr/lpp/PaymentManager`
4. Type the command `./StopIBMPayServer`. You are prompted to type your WebSphere Commerce Payments password.
5. Type the password that you specified to use when connecting to the database.

Solaris

1. Open a terminal window.
`su - wasuser`
2. Type the command `Export DISPLAY=fully_qualified_host_name:0.0`
3. Change to the directory `/opt/lpp/PaymentManager`
4. Type the command `./StopIBMPayServer`. Type your WebSphere Commerce Payments password.
5. Type the password that you specified to use when connecting to the database.

Stop the WebSphere Commerce Payments Application Server using the WebSphere Administration Console:

Windows

AIX

Solaris

1. Open the branch for the node name (`wc_host_name` for example).
2. Expand **Application Servers**.
3. Right click **WebSphere Commerce Payments**.
4. Click **Stop**.

Chapter 5. Operating the Content Manager system

This chapter applies to WebSphere Digital Media Enabler systems that include IBM Content Manager as the digital content repository. If you are integrating with another repository, refer to the *WebSphere Digital Media Enabler Customization Guide* to understand how to integrate other repositories into the WebSphere Digital Media Enabler system using the session bridge feature.

Refer to the appropriate sections for your version of Content Manager.

Starting and stopping Content Manager Version 7 servers

The Content Manager servers process requests for digital content from the web site search and delivery processes.

A number of servers inter-operate in order to provide the Content Manager portion of the WebSphere Digital Media Enabler application. They are the following:

- Library server
- Object server
- TextMiner (TM) text search server

The following is a typical startup sequence:

1. Start the object server.
2. Start the library server.
3. Start the text search server.

The following is a typical shutdown sequence:

1. Stop the library server.
2. Stop the object server.
3. Stop the text search server.

Important

Do not start the Content Manager SMS Server. The Content Manager SMS Server conflicts with the object server. The Content Manager SMS server should only be started when changing the object server or resource manager configuration and only after the object server has been stopped.

Details about starting and stopping the servers are in the sections following. The sample given in each section assumes:

- Web server is the IBM HTTP Server
- Library server name is LIBSRVRX
- Object server name is OBJSRVRX
- Text search instance is dlinst
- Text search service name is TM
- Text search index name is IMAGSALE

Starting and stopping the library server

The library server processes requests for retrieval and display of digital content. The library server must be active before starting the WebSphere Commerce application server.

Windows

Start:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **CM Library Server (LIBSRVRX)**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **CM Library Server (LIBSRVRX)**.
3. Click **Stop**.

AIX

Start:

1. Log in as **lsadmin**.
2. Start with the server with the following command:
`frnstart.lib`

Stop:

1. Log in as **lsadmin**.
2. To make sure that all activity has completed before shutting down, do the following:
 - a. Run the command `frncmd`
 - b. Connect to `libsrvrx`.
 - c. Run the status command to view the status of the library server.

The following is an example of what the status may display:

```
FRN2028I: Statistics at Tue May 28 11:05:17 EDT 2002
Configuration Name: IBMCONFIG
Number of Requests: 4649
Total time (milliseconds) to process request blocks = 110190
Number of requests blocks queued = 0
Server Status: Accepting Requests
Server started at: Tue Apr 16 16:17:08 EDT 2002
Trace OFF
Number Logons/Max Logons: 1/20
Optimizer status: Idle
Average number of active children: 0
Child 1 status: running
Child 2 status: running
Child 3 status: running
Child 4 status: running
Child 5 status: running
Messages:
FRN2323I: (LIBSRVRX) Optimization status: Idle
FRN2323I: (LIBSRVRX) Optimization status: Idle
FRN2321I: (LIBSRVRX) Optimization status: Optimizing view 15, FRNV00F1
FRN2323I: (LIBSRVRX) Optimization status: Idle
FRN2029I: Statistics dump complete.
```

- d. If library server tasks are running (request blocks queued not equal to 0), run the pause command to prevent new tasks from being started.
3. Stop the server using the command `frncmd LIBSRVRX shutdown`.

Important

When manually restarting the library server or rebooting the system, you must also restart the WebSphere Digital Media Enabler application server named “WebSphere Commerce Server” in order to re-establish the servlet connections to Content Manager.

Starting and stopping the text search server

The text search server processes search queries for digital content.

Windows

Start:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **Text Search Server**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **Text Search Server**.
3. Click **Stop**.

AIX

Start:

1. Log in as **tsadmin**.
2. Start the text search server with the command `imlss start dlinst`

Stop:

1. Log in as **tsadmin**.
2. Stop the text search server with the command `imlss stop dlinst`

Starting and stopping the object server

The object server processes retrieval requests for the display or delivery of the digital content.

Windows

Start:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **CM Object Server (OBJSRVRX)**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.

2. Select the service named **CM Object Server (OBJSRVRX)**.
3. Click **Stop**.

> AIX

Start:

1. Log in as **osadmin**.
2. Start the server with the command `frnstart.obj`

Stop:

1. Log in as **osadmin**.
2. Stop the server with the command `frncmd OBJSRVRX shutdown`

Starting and stopping the system-managed storage server

Important

Do not run the Content Manager SMS Server while the object server is running. Use the Content Manager SMS Server only during configuration or reconfiguration of the object server. The system will not operate correctly if both the object server and the Content Manager SMS Server are running concurrently.

> Windows

Start:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **CM SMS Server (OBJSRVRX)**.
3. Click **Start**.

Stop:

1. Go to the **Start** menu, and click **Settings > Control Panel > Services**.
2. Select the service named **CM SMS Server (OBJSRVRX)**.
3. Click **Stop**.

> AIX

Start:

1. Log in as **osadmin**.
2. Make sure that the object server is not running.
3. Start the SMS server with the command `frnstart.objsms`

Stop:

1. Log in as **osadmin**.
2. Stop the SMS server with the command `frncmd OBJSRVRXADMIN shutdown`

Starting and stopping Content Manager Version 8 servers

After you have service access, you can start or stop a server through the following processes.

▶ NT

1. Click **Start > Settings > Control Panel**.
2. Double-click **Services**.
3. Select the server that you wish to start or stop.
4. Left-click the appropriate button to start or stop the server.

▶ 2000

1. Right-click **My Computer**.
2. Click **Manage**.
3. Double-click **Services and Applications**.
4. Right-click the server you wish to start or stop, then click the appropriate choice.

▶ AIX

▶ Solaris

To start or stop all four standalone applications (RMMigrator, RMPurger, RMReplicator, and RMStager) on any of the resource manager databases, enter the following commands:

Start:

```
/etc/rc.cmrproc start dbname rmwebpath
```

Stop:

```
/etc/rc.cmrproc stop dbname rmwebpath
```

Note: The DB2 text search server (TIE) must be started manually. To start it, run the command

```
db2text start
```

Administering the text search server or the Text Information Extender (TIE)

Content Manager Version 7 uses the text search server, and Content Manager Version 8 uses the Text Information Extender (TIE).

Content Manager Version 7

Tasks associated with administering the text search server are:

- Displaying the text client configuration
- Displaying the text server configuration
- Changing the text client configuration
- Changing the text server configuration
- Displaying an index function status
- Updating an index

- Searching an index
- Creating an index

► AIX ► Windows

Except where noted, run all commands under the ID **tsclient** for AIX. For Windows, open a DOS command window and type the command.

- To display the text client configuration, run the command:
`imlcfgcl d`
- To display the text server configuration, do the following:
 1. For AIX, log in as **tsadmin**.
 2. Run the command:
`imlcfgsv d i dlnst`
- To change the text client configuration, run the command:
`imlcfgcl c tcpip s TM n 6011 m cm_host_name`
- To change the text server configuration, do the following:
 1. For AIX, log in as **tsadmin**.
 2. To change the text search server configuration, run the command:
`imlcfgsv c tcpip i dlnst -n 6011 m cm_host_name`
- To display an index function status, run the command:
`imlstaix s TM x IMAGSALE`
- To update an index (that is, process the input queue), run the command:
`imlupdix s TM x IMAGSALE`
- To search an index, run a command as shown in one of the following examples:
 - For a Boolean search, run the following command:
`imlsrch s TM x IMAGSALE term "man OR woman"`
 - For a free text search, run the following command:
`imlsrch s TM x IMAGSALE fterm "secret agent man"`
- To create an index, run a command as shown in the following example:
 - ► Windows
`imlcrix s TM x IMAGSALE t LING p
D:\tsadmin\ts\dlnst\data\imagsale pw
drive:\tsadmin\ts\dlnst\work\imagsale`
 - ► AIX
`imlcrix s TM x IMAGSALE t LING p
/home/cm/tsadmin/ts/dlnst/data/imagsale pw
/home/cm/tsadmin/ts/dlnst/work/imagsale`

Content Manager Version 8

The text search server for Content Manager 8 is DB2's Text Information Extender (TIE). Index tasks and display tools associated with administering TIE are:

- Updating and reorganizing an index
- Altering an index
- Deleting index events
- Displaying status information
- Displaying index update events

You can run these tasks at any time and in any sequence.

- To update the index, use the command

```
db2text UPDATE INDEX myindex FOR TEXT
```

Note: To determine the name of the text search index, enter the following commands from a DB2 command window (in Windows from the Start Menu, or by entering the command db2cmd)

```
db2 connect to db_name user userid using password
db2 select * from ICMSTNLSKEYWORDS where KEYWORDCLASS=5 AND
      KEYWORDNAME='item_type'
```

where *item_type* is the name of the WDME Item Type. Note the KEYWORDCODE value.

```
db2 disconnect db_name
```

The index (*myindex*) is named ICMUTxxxxx001 where *xxxxx* is the KEYWORDCODE identified above. Add a leading 0 if necessary.

If a column is often updated, the update process will become slower. It is recommended that you start a reorganize during the update using:

```
db2text UPDATE INDEX myindex for text reorganize
```

- To change the index directory or the update frequency of an index, run the command

```
ALTER INDEX
```

This example changes the update frequency for the index so that it is updated at 12:00 or 15:00, on Monday to Friday, if there is a minimum of 100 text documents queued:

```
db2text ALTER INDEX myindex FOR TEXT UPDATE FREQUENCY d(1,2,3,4,5)h(12,15)m(00)
```

- To stop the periodic updating of an index:

```
db2text ALTER INDEX myindex FOR TEXT UPDATE FREQUENCY NONE
```

- When you no longer need the messages in an index's event table, delete the index update event by running

```
CLEAR INDEX EVENTS
```

- Display index update events when you need to determine whether an index can be searched or updated. Run the command

```
db2 select *from DB2EXT.TEXTCOLUMNS
```

This shows the enabled status of the database, and of any index on the tables that have been created. When problems occur during indexing, such as a document not being found, index update events are written to the index's event table. You can access the index update events in a view of the event table from the catalog view. To get the name of the view run the command:

```
DB2 SELECT EVENTVIEWSHEMA,EVENTVIEWNAME FROM DB2EXT.TEXTCOLUMNS where
INDEXSCHEMA =myschema and INDEXNAME =myindex
```

Troubleshooting Content Manager

This section identifies the location of the key log files produced by the system. These logs can be used to identify specific problems when system failures occur.

Using the Content Manager System Administration Program

Refer to Chapter 9, "Loading content into the WebSphere Digital Media Enabler site when using Content Manager", on page 43 for database information and tables and objects loaded into Content Manager.

The Content Manager System Administration Program can be installed on a Windows client. It can be used to do the following for Content Manager Version 7 and Version 8.

- Create new key fields and index classes for Content Manager Version 7, and attributes and item types for Content Manager Version 8
- Administer the object server by creating new collections or other objects
- Add users or groups
- Set up access control
- List logged-on users
- Upgrade license agreement

Content Manager Version 7

Locating the Content Manager log files (on *cm_host_name*)

These log files are key to diagnosing any problems with the library server, object server, or text search server.

The Content Manager log files are as follows:

NT

drive:\ibm\cm\log\frndiag.log

2000

drive:\Program Files\ibm\cm\log\frndiag.log

AIX

- /home/ladmin/log/frndiag.log
- /home/osadmin/log/frndiag.log

Locating the EIP text search server log directory file (on *cm_host_name*)

The text search server log file is the following:

Windows

drive:\cmbroot\ts\dinst\imldiag.log

AIX

/home/tsadmin/ts/dinst/imldiag.log

Locating the DB2 log file

The DB2 log file is the following directory:

Windows

drive:\db2\sql1lib\db2diag.log

▶ AIX

/home/db2inst1/sql1lib/db2dunp/db2diag.log

Configuration directories

The configuration directories for Content Manager are as follows:

▶ Windows

- Object server staging area
drive:\staging
- Object server de-staging area
drive:\lbsdata
- Location of text search indexes
drive:\ts\dlnst

▶ AIX

- Object server staging area
/staging
- Object server de-staging area
/destaging
- Location of text search indexes
/home/cm/tsadmin/ts/dlnst

Key configuration files

The Content Manager network table is the following:

▶ Windows

drive:\ibm\cm\frnolint.tbl

▶ AIX

/var/frn/frnolint.tbl

Monitoring the system status using the Internet Application Toolkit

The Internet Application Toolkit is a generalized application that can be installed on a Windows client. It can be used to search, display, add, replace, or delete items and parts in any index class. It can be used to verify the existence and contents of any item or part in the system

Content Manager Version 8

Locating the Content Manager log files

The default location of the Content Manager server log is *c:\ICMSERVER.LOG*

Locating or changing the library server log file

To set up your trace and error log, start the System Administration program. Expand the folder **Library Server Parameters > Configurations**. Double click **Library Server Configuration**, then click the **Log and Trace** tab. Select which events you want to log and enter the name of the log file.

Locating or changing the resource manager log file

By default, resource manager log files are in `stdout.txt` and `stderr.txt`. To confirm or modify, open the WebSphere Administrator's Console and check the settings for the resource manager Application Server.

Locating the EIP client log files

The Enterprise Information Portal client API logs error information in the file `dklog.log`. Each WebSphere Digital Media Enabler process will create a separate log file, in the following directories. Refer to Chapter 1 in *IBM Content Manager for Multiplatforms / IBM Enterprise Information Portal for Multiplatforms Messages and Codes #SC27-1349* for more information.

Servlet logs are in `drive:\WebSphere\CommerceServer`

Logs for the loader are in the following directory:

- **Windows**
`drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader`
- **AIX**
`usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/custom_mass_loader`
- **Solaris**
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/custom_mass_loader`

Logs for delivery are in the following directory:

- **Windows**
`drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_instance_name.ear\wcstores.war\store_directory\delivery`
- **AIX**
`/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`
- **Solaris**
`/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/wcstores.war/store_directory/delivery`

Chapter 6. Overview of loading content into WebSphere Digital Media Enabler

This and the following chapters describe how to load content into the WebSphere Digital Media Enabler system.

- Chapter 6, “Overview of loading content into WebSphere Digital Media Enabler” describes the overall load process for loading content when using IBM Content Manager with WebSphere Digital Media Enabler.
- Chapter 7, “Understanding the Content Manager data model”, on page 37 describes the IBM Content Manager default data model implemented for WebSphere Digital Media Enabler.
- Chapter 8, “Understanding the WebSphere Commerce product data model”, on page 41 describes the WebSphere Commerce data model for loading digital products into WebSphere Digital Media Enabler.
- Chapter 9, “Loading content into the WebSphere Digital Media Enabler site when using Content Manager”, on page 43 describes the process and options for loading content into WebSphere Digital Media Enabler.
- Chapter 10, “Loading data in Content Manager and WebSphere Commerce”, on page 49 describes in detail the executable steps within the load process and focuses on loading content into a WebSphere Digital Media Enabler system using IBM Content Manager.

The WebSphere Digital Media Enabler application is implemented using the WebSphere Commerce Business or Professional Edition and IBM Content Manager products. Content Manager provides the repository for the digital content, while WebSphere Commerce provides the e-commerce functionality to manage customers, products, prices, and orders. Alternatively, the WebSphere Digital Media Enabler e-commerce application can be integrated with other content manager systems using the WebSphere Digital Media Enabler session bridge to access the external content manager user interface.

A WebSphere Commerce product catalog entry must be associated for each digital asset that will be sold on the web site. This association is made by assigning each digital asset (photo image, video clip, or audio clip, for example) a unique identifier that is used as the key (image ID) in the Content Manager repository and the part number in the WebSphere Commerce product catalog. This identifier is then used for the product catalog entry (PARTNUMBER in the CATENTRY table).

The catalog part number must be the same as the Content Manager ID, and the WebSphere Commerce Loader XML input is generated from the input load file for the Content Manager loader. This ensures that an entry is created in the WebSphere Commerce product table for each digital asset loaded into Content Manager. This multi-step loading process will be described in detail later in this document. At a high level, the process involves the following steps.

1. Extract the digital content from its present location and format it for loading.

The content will typically be uploaded interactively by content creators using the WebSphere Digital Media Enabler upload feature or extracted from existing databases and organized into batches for loading.

To batch load existing content, the metadata for all of the items to be loaded must be formatted into an XML file or ASCII delimited file that can be created

from a database export. This file is then run through a conversion step to create name-value pair entries in the Content Manager load control file. Also, the load control file requires references to the location of all asset files to be loaded (thumbnail, low-resolution, and high-resolution versions of the asset, for example). Each asset must be assigned its unique identifier if an identifier does not already exist. The input conversion process can assign unique identifiers based on an input control number. Typically, the assets to be loaded are grouped into individual batches that are processed one at a time. After each batch is loaded, verify the successful completion before proceeding to the next batch.

2. Run the XML generation process to generate XML from the Content Manager loader input file.
This XML will be used for loading the WebSphere Commerce product catalog. In the current system, the XML generation process is set up to generate a product and product item for each asset. For digital asset 12345, for example, the product part number will be 12345 and the high-res item part number will be 10012345.
3. Run the WebSphere Commerce ID resolver program to assign other internal identifiers that are required in the WebSphere Commerce database.
This will generate a new version of the XML with the required WebSphere Commerce identifiers.
4. Run the WebSphere Commerce Loader to load the new products into the WebSphere Commerce database.
This will update the product catalog, offering, and fulfillment tables with the new product data. It is recommended that the WebSphere Commerce database be backed up before loading the new products as a safety measure in case the load is to be backed out for any reason. Also, the Loader input XML files and output log files should be saved for later reference if needed.
5. Verify the load results via the log files (and database queries).
6. Assuming that all of the products were successfully loaded, run the Content Manager load program to load the content into Content Manager.
This will load and index all of the content, which will now be searchable by users of the system.
7. Verify that the load was successful (via logs and DB queries) and that all assets were loaded. If any failed, correct the problem and reload only those that failed by running the load program again. Again, save all Loader input and output files.
8. Record key information as to what content was loaded in a loading control log and archive all loading control files and output logs as an audit trail.

Note that this process applies only for loading the product data for the digital assets loaded into the IBM Content Manager system. If other products are also to be loaded into the product catalog, then the XML for loading must be generated manually or imported through some other process, such as using the WebSphere Commerce Catalog Manager tools.

If image product data needs to be updated, the Content Manager load program can be used to update the information in Content Manager. Updates to the WebSphere Commerce product tables (for pricing, for example) can be done using WebSphere Commerce administration facilities such as the WebSphere Commerce Accelerator. Alternatively, the WebSphere Commerce Loader program can be used to update product tables using the MIXED flag in the WebSphere Application Server load program.

When using the Content Manager update option to update keywords or descriptions, the new values must be provided as both metadata and parts (i.e., part 9 or 11) in the update run. Other fields can be updated by simply supplying the new metadata information. To update the category field in Content Manager, for example, use the following:

```
start=update  
imageID=85033  
category=Sports  
end=85033
```

Chapter 7. Understanding the Content Manager data model

Data model requirements

The Content Manager data model for digital media is designed to meet the following goals:

- Contain all metadata required to support an e-commerce application for selling digital media on the Internet. Both single- and multi-valued fields must be supported.
- Store the high-resolution content and derivatives, including thumbnail and preview images.
- Support efficient text search on image descriptions and keywords that can be further qualified by other keyword and exclusion fields, such as image type.

Content Manager terms and concepts

Some specific Content Manager terms relevant for the administration of WebSphere Digital Media Enabler follow.

- Items

Items are the basic building blocks in Content Manager. They represent multimedia business objects like images or videos. Each item has attributes and is represented with a row in a DB2 relational table.

- Parts

Items contain parts that correspond to a data object or binary large object (blob) that is stored on an object server or resource manager. An item can contain parts of diverse binary formats such as image, video, or text. Each part is stored in Content Manager as a separate file.

- Index classes and Item types

The term *index class* used in Content Manager Version 7 has been renamed to *item type* for use in Content Manager Version 8. To handle different types of items, Content Manager lets you define index classes or item types for various business objects. For example, the information kept about video clips is different from the information kept about images. Each index class or item type has its own defined set of attributes. An index class or item type is implemented in a relational database.

WebSphere Digital Media Enabler image metadata

The following sample metadata is required for each media object and is in the Digital Media index class (Content Manager Version 7) or item type (Content Manager Version 8). This is the installed default data model. Usually, each new installation redefines the specific metadata fields as part of the standard customization tasks. Many of the descriptor fields (image type, keywords, etc.) also are defined in the text object so that they can be used to further qualify the text search results. All searches will be performed using the text search engine (DB2's text information extender [TIE] for Content Manager Version 8). The Content Manager multi-search capability (parametric plus text search) is not used for Internet searches in order to achieve best performance. Some descriptor fields may have more than one value. In the index class or item type, all values for a

descriptor will be concatenated together for easy and efficient retrieval and display. In the text search engine, each field value will be defined separately in order to facilitate accurate searching.

One index class or item type will be loaded and will contain the columns as listed below. Because of their size, the keywords and description will be stored as parts (files) associated with the row, rather within the row itself. These two fields will also be text searchable. Description and keywords will be displayed in the detail view page.

imageDesc	VarChar(32)	Tape title
cameraElement	VarChar(50)	Camera element
imagePhotClass	VarChar(20)	Classification applied to this clip
imageKeywords ***	VarChar(32)	Keywords – moved to separate keywords file
TCIn	VarChar(11)	Time code start
TCOut	VarChar(11)	Time code end
duration	VarChar(11)	Duration of clip
FBDTapeNo	VarChar(20)	Tape Number
clipNumber	VarChar(25)	Clip number
clipCatalogType	VarChar(25)	Catalog type
clipFootageDate	VarChar(25)	Date associated with footage
age	VarChar(100)	Age(s) of people in clip
imageCreateTime	TimeStamp	Date/time clip was put in Content Manager
imageModTime	TimeStamp	Date/time the clip was last modified
era	VarChar(25)	Era of clip (e.g., Contemporary)
imageStatus	Char(1)	Clip Status
imageRestricts	Char(1)	"Y" if there are restrictions on clip usage
timePeriod	VarChar(200)	time period of clip (e.g., 1930s)
imageID (unique key)	VarChar(8)	Numeric clip unique identifier (seq.assign)
imageRelease	VarChar(8)	Release codes
imageHighRAvail	Char(1)	"Y" if hi-res is available
		"D" if site has film
		"N" if film has not been sent
imageCaption	VarChar(100)	Video caption
imageColor	VarChar(50)	Clip color (B & W, color, tinted)
imageLDeleteFlag	Char(1)	Logical Delete Flag
audio	VarChar(25)	Audio
cameraSpeed	VarChar(50)	Camera Speed
composition	VarChar(100)	Composition
category	VarChar(200)	Category
subcategory	VarChar(500)	Subcategory
intExt	VarChar(50)	Interior/exterior
timeOfDay	VarChar(50)	Time of day (e.g., dawn, dusk)
productType	VarChar(100)	Product type
imageSize	VarChar(100)	Image size
fileSize	VarChar(100)	File size
compression	VarChar(100)	Compression
CDSKU	VarChar(10)	CD SKU number
clipPrice	VarChar(10)	Price
Reserved1	VarChar(10)	Reserved
Reserved2	VarChar(10)	Reserved
Reserved3	VarChar(32)	Reserved
Reserved4	VarChar(32)	Reserved
clippricahi	VarChar(10)	High res price
clippricelo	VarChar(10)	Low res price

** The keywords (subjects) field will actually be loaded into a part associated with the item. The columns in the tables will only contain part information.

*** The description (caption) field will be loaded into a part associated with the item.

The image price will also need to be specified as input so that it can be loaded into the WebSphere Commerce product file.

Image keywords (subjects), category, and subcategory fields can contain multiple values.

Content Manager part objects for media objects

In the default data model, the following Content Manager parts will be created for each item in the media index class. The following additional parts can be stored depending on your individual requirements.

- Part 1: Text search object (for text search engine)
- Part 2: TOC part (internal part for storing part filenames)
- Part 3: Thumbnail image for the image
- Part 5: Preview image
- Part 7: High Resolution image
- Part 9: Description
- Part 11: Keywords text

Text search characteristics

The general text to be searched consists of the image ID, description, keywords, etc. In addition, an entry for each separately searchable field will put in the text object to allow the text search results to be further qualified on key field values including color, category, time of day, etc. Thus, a text search object would look something like the example below:

```
ClipNumber-11196HSH-008
imageColor-Tinted
timePeriod-futuristic
cameraSpeed-Slow-Motion
age-Infant
timePeriod-1890s
interiorExterior-Exterior
audio-Yes
Anaheim pepper and seed in cloud with metal background (description)
Anaheim pepper and seed in cloud
28001
Anaheim peppers clouds peppers seeds food (keywords)
Category-People-and-Leisure
```

Searching of the e-commerce images will be performed using the TextMiner text search engine for Content Manager Version 7 and DB2's Text Information Extender (TIE) for Content Manager Version 8. Users can search on the combined text in the text-indexed fields described above. In addition, the search results can be qualified by other keyword name-value pairs that are also in the search object.

Chapter 8. Understanding the WebSphere Commerce product data model

The loading of the digital assets into the WebSphere Commerce database requires the loading of the following tables. For detailed information about the tables, refer to the WebSphere Commerce online help.

- **BASEITEM**

BaseItems represent a general family of goods with a common name and description. BaseItems are used exclusively for fulfillment. Each CatalogEntry that represents a Product in the catalog has a corresponding BaseItem for fulfillment purposes.

- **ITEMVERSN**

Each row of this table represents an ItemVersion for a BaseItem. An ItemVersion expires when its expiration date is in the past. Each BaseItem must only have a single ItemVersion defined.

- **ITEMSPC**

This table contains information about specified items. A specified item is a product with values for all its attributes. A specified item could correspond to a two-liter bottle of milk with 2% fat content. A specified item is the customer view of what the merchant sells.

- **VERSIONSPC**

Each row of this table defines the relationship between a product version and a specified item.

- **DISTARRANG**

Each row of this table represents a DistributionArrangement, enabling a Store to sell its own inventory.

- **RECEIPT**

Each row of this table contains information about each receipt of an item at a FulfillmentCenter.

- **RCPTAVAIL**

This table defines which DistributionArrangements have access to received inventory.

- **STOREITEM**

Each row of this table contains attributes that affect how a particular Store allocates inventory for the specified items of a particular BaseItem. If there is no row for the Store, then the row for its StoreGroup is used.

- **CATENTRY**

This table holds information related to catalog entries such as products and product items. A product entry is loaded for each asset and a product item for each orderable variation of the asset (high-resolution versus low-resolution for example).

- **CATENTDESC**

This table holds language-dependent information related to a catalog entry.

- **CATGPENREL**

This table relates Catalog Groups (Categories) to the Catalog Entries that are inside them.

- **CATENTREL**

This table holds containment relationships between Catalog Entries such as product and item.

- STORITMFFC

Each row of this table contains information about a BaseItem for a particular Store (or all the Stores in a StoreGroup) and FulfillmentCenter.

- ITEMFFMCTR

Each row of this table contains information about reserved quantities, amount on backorder, and amount allocated to backorders for items owned by a Store at a FulfillmentCenter.

- ATTRIBUTE

This table holds product attributes that are used for SKU resolution.

- ATTRVALUE

This table holds the values assigned to product attributes and relates them back to catalog entries for SKU resolution.

- OFFER

Each row of this table represents an Offer to sell a product identified by a CatalogEntry.

- OFFERPRICE

Each row of this table represents a price in a Currency for an Offer.

- STORECENT

This table holds the relationship between Store Entities and the Catalog Entries that they can display and process.

- INVENTORY

Each row of this table contains a quantity amount representing the inventory for a particular CatalogEntry available to be shipped from a FulfillmentCenter on behalf of a Store.

The XML generated from the process that converts the Content Manager load data into WebSphere Commerce XML load format will contain the information to load all of the above tables.

Chapter 9. Loading content into the WebSphere Digital Media Enabler site when using Content Manager

This section describes the steps for loading new digital content into the WebSphere Digital Media Enabler site. Each new digital product is loaded into the content repository as well as the WebSphere Commerce product tables.

Ingesting content

Content may be loaded into WebSphere Digital Media Enabler in any one of three ways:

- User interactively uploads and indexes content into content libraries via the WebSphere Digital Media Enabler upload user interface. Once the indexing information is complete, the new content is processed by a background daemon that indexes the content and makes it available for search and retrieval by others.
- Digital content and associated indexing information in XML or text files are placed in a folder by an external process. The WebSphere Digital Media Enabler background load daemon will monitor the folder and index new content as it arrives.
- Administrative personnel prepare content in batches and then manually initiate the background load process to load the batch.

The WebSphere Digital Media Enabler loader performs five major processing steps:

1. Reads input to be loaded and converts to Content Manager load format. Depending on the type of run option, the input may be in the user upload libraries or in specially prepared XML or text files.
2. Converts the Content Manager load format into the WebSphere Commerce XML format required for loading WebSphere Commerce products.
3. Executes the WebSphere Commerce id resolver to resolve the WebSphere Commerce unique identifiers required for database loading.
4. Executes the WebSphere Commerce loader program to load the product tables for the new content.
5. Executes the Content Manager load program to load the content into Content Manager.

If any of the steps do not complete successfully, the following e-mail is sent to the load administrator indicating the step that failed:

```
To: loadadmin@us.ibm.com
cc:
Subject: test.xml upload failed.
```

```
Data file: test.xml
Step 4:( cmd /c wcsload MALL wcs wcs test_c_catalog.txt.xml ) failed.
Refer to d:/WebSphere/AppServer/installedApps/WC_Enterprise_App_demo.ear/wcstores.war/
store_directory/custom_mass_loader/upload/logs/test_c_catalog.txt.xml.out
```

The administrator should then examine the output to determine the reason for the failure and fix the problem. Once the problem is fixed the entire batch can be

rerun, or just the steps that failed. Until the batch is successfully completed, no new batches can be run. If you attempt to run another batch, you will receive this e-mail message:

To: loadadmin@us.ibm.com
cc:
Subject: Library upload failed.

Cannot upload library. Fix the batch 343662962 and then run the upload daemon.

Preparing the environment for loading content

The processes described in this section are executed once per store during installation. They are provided here for your reference. Follow the steps for the tasks described in “Updating the variables in the setenv script”, “Setting the values for your store in DBLoadMacros.dtd” on page 45, and “Updating the parms.txt file” on page 46 only if your data model changes.

Before running the loader daemon, you must perform some steps to define your specific environment.

1. Review the environment variable settings in the setenv script and set them to reflect your environment. These environment variables are needed for the various command files to be executed correctly.
2. Set up the values for your store in DBLoadMacros.dtd file. These values will be used by the WebSphere Commerce ID resolver program.
3. Update the parms.txt file with the Content Manager configuration information.
4. Update the digitalmediaload.properties file to reflect your specific data model.

Updating the variables in the setenv script

Do the following to set the variables in the setenv script to reflect your environment.

1. Use a text editor to open the following file:

▶ NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_  
instance_name.ear\wcstores.war\store_directory\  
custom_mass_loader\upload\setenv.bat
```

```
drive:\Program Files\WebSphere\AppServer\installedApps\  
WC_Enterprise_App_instance_name.ear\wcstores.war\  
store_directory\custom_mass_loader\upload\setenv.bat
```

▶ 2000

▶ AIX

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_  
instance_name.ear/wcstores.war/store_directory/  
custom_mass_loader/upload/setenv.sh
```

▶ Solaris

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_  
instance_name.ear/wcstores.war/store_directory/  
custom_mass_loader/upload/setenv.sh
```

2. Change values as required. For example:

```
SET WAS_HOME="d:\WebSphere\AppServer"
SET JAVA_HOME="d:\WebSphere\AppServer\java"
SET DB2_DRIVER="d:\WebSphere\sqlib\java\db2java.zip"
SET WCS_HOME="d:\WebSphere\CommerceServer"
SET WCS_PATH="d:\WebSphere\CommerceServer\bin"; "d:\WebSphere\AppServer\bin";
"d:\WebSphere\AppServer\java\bin"; "d:\WebSphere\sqlib\bin";
SET WCS_JCE_CLASSPATH=D:\WebSphere\WCS\lib\ibmjcefw.jar; D:\WebSphere\WCS\lib\ibmjceprovider.jar;
D:\WebSphere\WCS\lib\local_policy.jar; D:\WebSphere\WCS\lib\US_export_policy.jar;
SET JAVA_PROGRAM="d:\WebSphere\AppServer\java\bin\java.exe"
```

3. Save the file.

Setting the values for your store in DBLoadMacros.dtd

Set the following values for use by the WebSphere Commerce ID resolver program.

1. Use a text editor to open the following file:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\upload\incoming\dtd\DBLoadMacros.dtd
```

2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
<store_directory>\custom_mass_loader\upload\incoming\dtd\DBLoadMacros.dtd
```

AIX

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader/upload/incoming\dtd\DBLoadMacros.dtd
```

Solaris

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader/upload/incoming\dtd\DBLoadMacros.dtd
```

2. Change values as required. For example:

```
<!-- Created manually by the installer BEFORE store is created
(also in table [storeent]): -->
<!ENTITY MEMBER_ID "1000">

<!-- Taken from the WCS table [store]: -->
<!ENTITY STORE_ID "10001">

<!-- Taken from the WCS table [storecat]: -->
<!ENTITY CATALOG_ID "10001">

<!-- Taken from the WCS table [storegrp]: -->
<!ENTITY CATGROUP_ID "10001">

<!-- Taken from the WCS table [ffmcenter]: -->
<!ENTITY FFMCENTER_ID "10001">

<!-- Taken from the WCS table [tradeposcn]: -->
<!ENTITY TRADEPOSCN_ID "10001">

<!-- Taken from the WCS table [tradeposcn]: -->
<!ENTITY VENDOR_ID "10001">
```

3. Save the file.

Updating the parms.txt file

Follow these steps to update the parms.txt file with Content Manager configuration information.

1. Use a text editor to open the following file:
- 2.

▶ NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\parms.txt
```

▶ 2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
store_directory\custom_mass_loader\parms.txt
```

▶ AIX

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader/parms.txt
```

▶ Solaris

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```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/
custom_mass_loader/parms.txt
```

3. Change values as required. For example:

```
!index mode off text search entries not put in table
TRACE_MODE=ON
INDEX_MODE=ON
INPUTFILE=
USER=wcdmp
PASSWORD=wcdmp
SERVER_TYPE=ICM
SERVER=ICMNLSDDB
INDEX_CLASS_NAME=DMDEMO
SEARCH_ENGINE=SM
SEARCH_INDEX=TM-DMDEMO
SEARCH_LANG=ENU
COMMERCE_THUMBNAI_PATH=/WebSphere/AppServer/installedApps/
WC_Enterprise_App_demo.ear/
wcstores.war/store_directory/common/webobjects/thumbnails
STORAGE_GROUP_MEDIUM=cbr.c11ct001
STORAGE_GROUP_HIGH=cbr.c11ct001
```

4. Save the file.

Updating the digitalmedia.load.properties file

Do the following to update the digitalmedia.load.properties file to reflect your data model.


1. Use a text editor to open the following file:

• ▶ NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\lib\digitalmedia.load.properties
```


• ▶ 2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\lib\digitalmedia.load.properties
```

- 

```

/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/lib/digitalmediaload.properties

```
 - 

```

/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/lib/digitalmediaload.properties

```
2. Change values as required.

You will need to define your data model here along with other configuration information. The default values are listed in Appendix C, “Contents of the digitalmediaload.properties file”, on page 71.
 3. Save the file.

Understanding the loader subdirectories

The following directories are used by the load process:

- Errors

This directory contains the batch files for a batch that fails.

```

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\upload\errors\

```
- Incoming

This directory contains the input XML and text files, and subdirectories for the digital content and generated text files.

```

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\upload\incoming\

```
- Logs

This directory contains output log files.

```

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\upload\logs\

```
- Processed

This directory contains batch files for batches that were successfully processed.

```

drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\
custom_mass_loader\upload\processed\

```

Chapter 10. Loading data in Content Manager and WebSphere Commerce

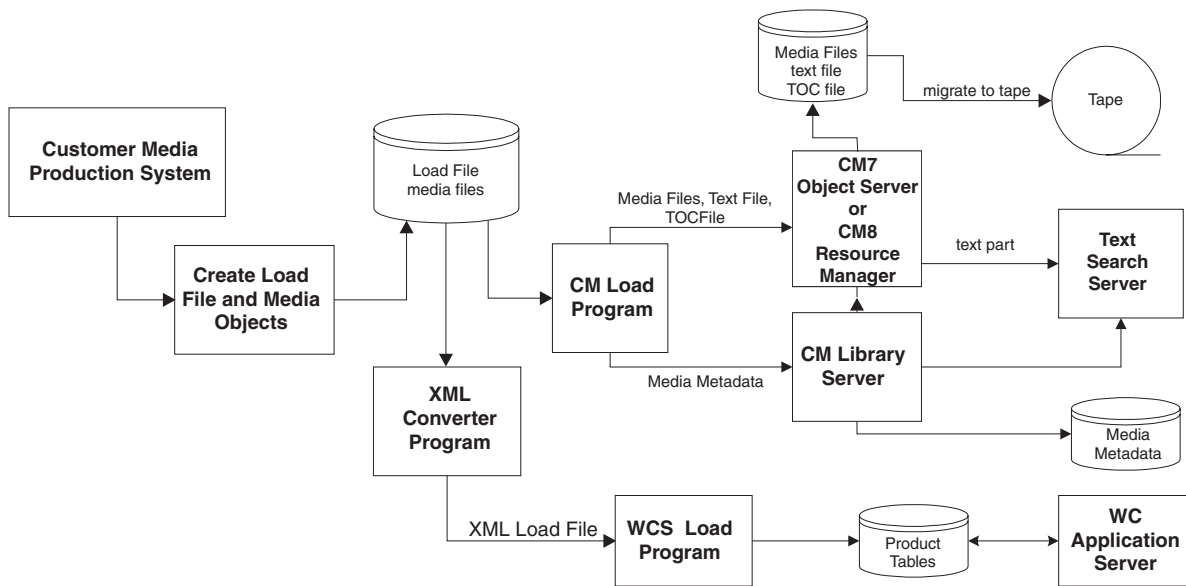
Overview

This section describes the detail processing steps invoked by the loader daemon. Each of these steps can be executed singly by use of the appropriate command file or shell script. For example, when errors have occurred during loading, you may want to subset the process to fix the problem instead of rerunning the entire load process. Also, when you first begin loading your data, you may prefer to run each step and verify the output before executing the next step.

A high-level view of the process is shown following. The Create Load File and Media Objects steps in the process provide the input files for the load program. The user implements this step. The metadata can be set up as an XML file or as an ASCII delimited input file similar to the format of a database export file. The input file is then converted into the format required by the Content Manager and WebSphere Commerce load programs. The Content Manager load program processes the input files and interacts with the Content Manager library server to store the media metadata.

The load program also interacts with the Content Manager object server or resource manager (via the library server) to store the media files, a text file, and a table-of-contents (TOC) file. The load program extracts a subset of the media metadata to create the text file. This file is subsequently indexed by the Text Search Manager component of the Content Manager system to support full text search functionality. The TOC file generated by the load program contains the media file names for each media object stored by the .object server or resource manager.

The Content Manager library server component uses a relational database to manage the digital objects and provide data integrity by maintaining index information and controlling access to the objects stored on the object server or resource manager. The object server or resource manager is the repository for the media objects stored in the system.



Content Manager and WebSphere Commerce Loading

The load program is intended to support the initial load of the Content Manager repository as well as the ongoing changes to the repository as media objects are added, updated, and removed. The input to the program consists of a file containing a series of requests to add, update, or delete media items as well as the required media object metadata associated with these requests. The program also takes as input separate media object files containing the different resolutions or formats required to display and deliver the media object to the WebSphere Digital Media Enabler customer. These media object files must be on disk and accessible by the load program.

Note that the load process is primarily set for coordinating the ingestion of new content. Although the Content Manager loader can be used to update image metadata in the repository (an incorrect category name, for example), it cannot be used to maintain e-commerce information such as digital product prices. The e-commerce information can be updated using the WebSphere Commerce Accelerator.

Understanding Content Manager load program options

The Content Manager load program is responsible for adding, updating, or deleting Content Manager items. Items are the basic building blocks in Content Manager. Associated with items are attributes (metadata) and parts (media object files). The input request file to the load program contains entries for each item to be added, updated, or deleted. The following request types are supported:

- Add request
 - This results in the creation of a new item if the item does not already exist. Attributes not supplied with the add request are set to null. If the item already exists, the add is bypassed and the request is logged.
- Delete request

This results in a logical delete of the item. The logical delete sets a logical delete flag to indicate that the item has been deleted. The item metadata and media object files will not be physically removed.

- Purge request

This results in a physical delete of the item. It is expected that this will be used primarily for testing purposes.

- Update request

This enables attributes to be updated and media object files to be added or replaced. Note that if a multi-valued attribute is updated, all values for that attribute must be provided.

The load program processes the input files and generates two additional files—a text file and a TOC file. The text file contains the metadata for the media object. The metadata contains various attributes of the media such as title, format, resolution, etc. A table in the load program defines the specific attributes to be loaded. Certain of these metadata fields can have multiple values and contain zero, one, or more than one entry.

The automatically generated TOC file contains the corresponding media file name for each image ID.

Loading data into WebSphere Commerce the first time

This section describes the steps for setting up and executing the loading process for the first time. Once all of the property files have been set up correctly the first time, the continuing process of loading new content is simplified.

Before running the WebSphere Commerce load program, the input data must be converted to the XML format expected by the WebSphere Commerce Loader. An XML converter program is run in order to convert the Content Manager load file into an XML file. This file is used to load the media object data into the WebSphere Commerce product tables.

Loading is typically performed on reasonably sized batches that can be easily run and verified.

Converting the XML or ASCII delimited input for loading

First, you must convert the input into a format accepted by the load process using the following process.

Windows

1. Open a DOS command window.
2. Change to the loader directory. For example:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\
store_directory\custom_mass_loader
```

2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
store_directory\custom_mass_loader
```

3. Copy the XML file or ASCII delimited input file to the incoming subdirectory.

4. Verify that the `parms.txt` file refers to the correct server, index class or item type, text index, target thumbnail path, and user name. Refer to Appendix D, "Sample `parms.txt` contents", on page 75.
5. Ensure that all the content is available in the incoming directories.
6. Verify that the `digitalmediaload.properties` file contains the field definitions for your specific data model. Refer to Appendix C, "Contents of the `digitalmediaload.properties` file", on page 71.
7. Verify that the `convert.bat` script refers to the correct directories. By default, it assumes that a subdirectory named "`locale\text\`" exists beneath the `custom_mass_loader` directory, and that the input thumbnails are in a subdirectory named `images\5k\`.
8. Run the program to convert the ASCII delimited file into the Loader format by executing the convert batch file in the following way:
`convert.bat input_file starting_image_ID`

For example:

```
convert.bat metadata.txt 85001
```

9. Check the output log file to see if any failures occurred. If so, correct the problem and repeat the above step until there are no errors.
10. Record the highest number image ID generated.
 This must be used to determine the next set of numbers to use.

▶ UNIX

1. Log in as **wcsload**.
2. Change to the loader directory. For example:

▶ AIX

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/custom_mass_loader
```

3. Copy the ASCII delimited input file to this directory.
4. Verify that the `parms.txt` file refers to the correct server, index class, text index, and user names. Refer to Appendix D, "Sample `parms.txt` contents", on page 75.
5. Ensure that all the content is available in the staging directories.
6. Verify that the `digitalmediaload.properties` file contains the field definitions for your specific data model. Refer to Appendix C, "Contents of the `digitalmediaload.properties` file", on page 71.
7. Verify that the `convert.bat` script refers to the correct directories. By default, it assumes that a subdirectory named `locale\text\` exists beneath the `custom_mass_loader` directory, and that the input thumbnails are in a subdirectory named `images\5k\`.
8. Run the program to convert the ASCII delimited file into the loader format by executing the convert shell script as follows:
`./convert.sh input_file starting_imageID`

For example:

```
./convert.sh metadata.txt 85001
```

9. Check the output log file to see if any failures occurred. If so, correct the problem and rerun if necessary.
10. Record the highest number image ID generated.

This must be used to determine the next set of numbers to use.

Converting Content Manager data to WebSphere Commerce XML format

Convert the Content Manager data file into an XML format understood by WebSphere Commerce if it has not already been done. A catalog entry will be generated for each digital asset and each unique orderable item for the asset. This step is only necessary once per data file.

Follow the steps below to set up and generate WebSphere Commerce files from the Content Manager data file. These steps are only done once per store.

Windows

1. Open a DOS command window.
2. Change to the WebSphere Digital Media Enabler loading directory. For example:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\custom_mass_loader
```

2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
store_directory\custom_mass_loader
```

3. Create a subdirectory for data files (sample_data, for example) if one does not already exist.
4. If the values within the file setenv.bat, for example:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\
store_directory\custom_mass_loader\setenv.bat
```

have not previously been set, set these values now. Ensure that they match your site values.

5. Verify the field mappings from Content Manager columns to WebSphere Commerce product table contents. For example, the sample digitalmediaload.properties file maps from the Content Manager column named imageDesc to the WebSphere Commerce product column named longdescription. Refer to Appendix C, "Contents of the digitalmediaload.properties file", on page 71.
6. Generate a WebSphere Commerce load file (this assumes that the load file has already been created from the ASCII delimited input file). Generate the WebSphere Commerce load file by executing the script as follows:

```
wcsdatagen.bat run_type language input_data_file
```

The run type can be one of the following:

- Only—only one language is to be loaded
- First—this is the first language (base language) to be loaded
- Next—this is the next language to be loaded
- Last—this is the last language to be loaded

For example:

▶ NT

```
wcsdatagen.bat only locale metadata_c.txt
```

▶ 2000

```
wcsdatagen.bat only locale metadata_c.txt
```

The following file is generated: metadata_c_catalog.txt.

Review this file to verify that it has been correctly generated.

▶ AIX

1. Open a terminal window.
2. Run the command `su - wcsload`
3. Change to the WebSphere Digital Media Enabler loading directory. For example:

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/
wcstores.war/store_directory/custom_mass_loader
```
4. If the values within the file `setenv.sh` have not previously been set, then set these values now so that they match the values for your site. For example:

```
/usr/WebSphere/AppServer/installedApps/ WC_Enterprise_App_
instance_name.ear/wcstores.war/
store_directory/custom_mass_loader/setenv.sh
```
5. Verify the field mappings from Content Manager columns to WebSphere Commerce product table contents. For example, the sample `digitalmediaload.properties` file maps from the Content Manager column named `imageDesc` to the product column named `longdescription`. Refer to Appendix C, “Contents of the `digitalmediaload.properties` file”, on page 71.
6. Generate a WebSphere Commerce load file (this assumes that the load file has been created from the ASCII delimited input file). Generate the WebSphere Commerce load file by executing the shell script as follows:

```
./wcsdatagen.sh run_type language input_data_file
```

The run type can be one of the following:

- Only—only one language is to be loaded
- First—this is the first language (base language) to be loaded
- Next—this is the next language to be loaded
- Last—this is the last language to be loaded

For example:

```
./wcsdatagen.sh only locale metadata_c.txt
```

The following file is generated: metadata_c_catalog.txt.

Review this file to verify that it has been correctly generated.

▶ Solaris

1. Open a terminal window.
2. Run the command `su - wcsload`

3. Change to the WebSphere Digital Media Enabler loading directory. For example:

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_  
instance_name.ear/wcstores.war/  
store_directory/custom_mass_loader
```

4. Create a subdirectory for data files (sample_data, for example) if one does not already exist.

5. If the values within the file setenv.sh have not previously been set, then set these values now so that they match the values for your site. For example:

```
/opt/WebSphere/AppServer/installedApps/WC_Enterprise_App_  
instance_name.ear/wcstores.war/  
store_directory/custom_mass_loader/setenv.sh
```

6. Verify the field mappings from Content Manager columns to WebSphere Commerce product table contents. For example, the sample digitalmediaload.properties file maps from the Content Manager column named imageDesc to the product column named longdescription. Refer to Appendix C, “Contents of the digitalmediaload.properties file”, on page 71.
7. Generate a WebSphere Commerce load file (this assumes that the load file has been created from the ASCII delimited input file). Generate the WebSphere Commerce load file by executing the shell script as follows:

```
./wcsdatagen.sh run_type language data_file
```

The run type can be one of the following:

- Only—only one language is to be loaded
- First—this is the first language (base language) to be loaded
- Next—this is the next language to be loaded
- Last—this is the last language to be loaded

For example:

```
./wcsdatagen.sh only locale metadata_c.txt
```

The following file is generated: metadata_c_catalog.txt

Review this file to verify that it has been correctly generated.

Loading the converted XML data

Load the converted data into the corresponding store in WebSphere Commerce as follows:

First, do the following *once* to set up the loading environment:

1. Change to the directory where the modules for loading data reside. For example:

```
> NT
```

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_  
instance_name.ear\wcstores.war\store_directory\custom_mass_loader
```

```
> 2000
```

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_  
instance_name.ear/wcstores.war/store_directory/custom_mass_loader
```

2. If the values within the files setenv.bat and setenv.sh have not previously been set, set these values now.

3. Query the table STOREENT to get the value for MEMBER_ID associated with the current store.
4. Change to the dtd subdirectory.
5. Edit the following required fields in DBLoadMacros.dtd file:
 - MEMBER_ID
Use the value for column MEMBER_ID in table STOREENT.
 - STORE_ID
Use the value for column STORE_ID in table STORE (Hint: map with the column MEMBER_ID associated with the current store; also see table STOREENT).
 - CATALOG_ID
Use the value for column CATALOG_ID in table STORECAT (Hint: map with the column STOREENT_ID associated with the current store).
 - CATGROUP_ID
Use the value for column CATGROUP_ID in table STORECGRP (Hint: map with the column STOREENT_ID associated with the current store).
 - FFMCENTER_ID
Use the value for column FFMCENTER_ID in table FFMCENTER_ID (Hint: map with the column MEMBER_ID associated with the current store).
 - TRADEPOSCN_ID
Use the value from column TRADEPOSCN_ID in table TRADEPOSCN (Hint: map with the column MEMBER_ID associated with the current store).
 - VENDOR_ID
Use the value from column VENDOR_ID in table VENDOR (Hint: map with the column MEMBER_ID associated with the current store).

Note: Use the DB2 Command Center or a command window to query (using SQL statements) the WebSphere Commerce database (mall, for example) in order to acquire the above information. For Oracle, use the SQL*Plus Worksheet to execute the needed queries.

6. In the file DBLoadMacros.dtd, edit any other fields if needed (optional).
7. Determine the database name (mall, for example), user ID (db2admin, for example), and password (**db2admin**, for example) to be used in the next steps.
8. Create the XML files to be imported into WebSphere Commerce tables using the ID Resolve command.
9. Edit the command file wcsIdResolve.bat (or wcsIdResolve.sh for AIX) to make sure that the default values match your site. The classpath must include the correct JDBC driver for DB2 or Oracle. When using Oracle, you must specify the Oracle connection properties file for the -customizer parameter as shown in the following example:

```
-customizer d:\Websphere\CommerceServer\properties\
OracleConnectionCustomizer.properties
```

A sample script containing the path for the Oracle JDBC driver and -customizer parameter is in idresolve_ora.bat.

10. Execute the ID Resolve command as follows to resolve variables with values set in DBLoadMacro.dtd and create the XML files:

 Windows

```
wcsIdResolve.bat database_name db_user db_password input_file
```

For example:

```
wcsIdResolve.bat mall db2admin db2admin metadata_c_catalog.txt
```

▶ AIX

```
./wcsIdResolve.sh database_name db_user db_password input_file
```

For example:

```
./wcsIdResolve.sh mall db2admin db2admin metadata_c_catalog.txt
```

11. Examine the generated log file `metadata_c_catalog.txt.out` for any errors. Make sure that you see the message "ID Resolver resolved all Identifiers" near the bottom of each log file.
12. Load the data using the XML files created above into the WebSphere Commerce tables by running the following command:

▶ Windows

```
wcsload.bat database_name db_user db_password input_file
```

For example:

```
wcsload.bat mall db2admin db2admin metadata_c_catalog.txt.xml
```

▶ AIX

```
/wcsload.sh database_name db_user db_password input_file
```

For example:

```
./wcsload.sh mall db2admin db2admin metadata_c_catalog.txt.xml
```

Examine the generated log file `metadata_c_catalog.txt.xml.log` for any errors. Check to see that no records failed by looking for the messages in the log file. Here is a sample fragment from a log file after a successful run:

```
2002.03.14 13:03:47.883 java.lang.Class run MassLoader
Number of records committed: 4008.
2002.03.14 13:03:47.883 java.lang.Class run MassLoader
Number of records failed: 0.
Data load is complete.
```

For further verification beyond the log file, you can do any of the following:

- Use the WebSphere Commerce Accelerator to verify that the products have been loaded correctly.
- Display the product in the lightbox or shopping cart.
- Use SQL to query the tables and verify that the data is in the tables.

Loading data in WebSphere Commerce after the initial load

Once the environment has been set up and the user understands the loading process, the continuing process of loading new content is completed by doing the following. This example assumes that only English language content is being loaded and the following values:

- Store Name = *DigitalMedia*
- Input ASCII delimited file = `metadata.txt`
- Data file directory under `custom_mass_loader` = `sample_data`
- WebSphere Commerce database = `mall`
- DB2 userid/password = `db2admin/db2password`

- Content Manager password = *password*
- Text index name = *imagsale*
- Starting image ID = 85001
- Store Directory = *DigitalMedia*

Note that you can supply your own image IDs as input rather than using the converter program to assign them. The converter program will only assign a value to content that does not already have an assigned ID in the input stream.

Windows

1. Prepare the input and assign starting image ID. Ensure that filenames are specified correctly (they are case-sensitive). A field should not contain special characters such as a single quote ('), double quote ("), or ampersand (&).
2. Open a DOS command window.
3. Change to the following directory:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_App_
instance_name.ear\wcstores.war\store_directory\custom_mass_loader
```

2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
store_directory\custom_mass_loader
```

4. Run the command file to convert the XML or ASCII delimited metadata to Content Manager load format as follows:

```
convert.bat metadata.txt 85001
```

5. Check the output log. Fix any errors, and rerun the above step until there are no errors.
6. Convert the Content Manager load input to WebSphere Commerce Loader XML format as follows:

NT

```
wcsdatagen.bat only locale metadata_c.txt
```

2000

```
wcsdatagen.bat only locale metadata_c.txt
```

7. Run the WebSphere Commerce ID Resolver as follows:
- ```
wcsIddResolve.bat mall db2admin db2admin metadata_c_catalog.txt
```
8. Run the WebSphere Commerce Loader to load products as follows:
- ```
wcsload.bat mall db2admin db2admin metadata_c_catalog.txt.xml
```
9. Run the Content Manager Loader to load and index images as follows:
- ```
cmload.bat metadata_c.txt
```

Details about setting up for Content Manager Loading are described in the next section.

10. Verify output after each step, and save inputs and outputs. Record the range of image numbers used.
11. If the directory to serve the thumbnails is on a separate machine, copy the load target thumbnail directory and all of its subdirectories to the other system.



▶ UNIX

1. Prepare input and assign starting image ID. Ensure that filenames are specified correctly (they are case sensitive). A field should not contain special characters such as a single quote ('), double quote ("), or ampersand (&).
2. Log in as **wcsload**.

**Note:** These instructions assume that permissions have been set up such that the user **wcsload** can run all steps to load Content Manager and WebSphere Commerce data.

3. Change to the following directory:

▶ AIX

```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_instance_name.ear/
wcstores.war/store_directory/custom_mass_loader
```

▶ Solaris

```
/opt/WebSphere/AppServer/installedApps/ WC_Enterprise_App_instance_name.ear/
wcstores.war/store_directory/custom_mass_loader
```

4. Run the script to convert ASCII delimited metadata to Content Manager load format as follows:  

```
./convert.sh metadata.txt starting_image_ID
```
5. Check the output log. Fix any errors, and rerun the above step until there are no errors.
6. Run the script to convert load input to WebSphere Commerce Loader XML format as follows:  

```
./wcsdatagen.sh only locale metadata_c.txt
```
7. Run the WebSphere Commerce ID Resolver as follows:  

```
./wcsIdResolve.sh mall db2admin db2admin metadata_c_catalog.txt
```
8. Run the WebSphere Commerce Loader to load products as follows:  

```
./wcsload.sh mall db2admin db2admin metadata_c_catalog.txt.xml
```
9. Run the Content Manager Loader to load and index images as follows:  

```
./cmload.sh metadata_c.txt
```

Details about setting up for Content Manager Loading are described in the next section.

10. Verify the output after each step, and save inputs and outputs. Record the range of image numbers used.
11. If the directory to serve the thumbnails is on a separate machine, copy the thumbnail directory to the other system.

---

## Loading data into Content Manager

Images can be loaded into the system by running a batch load program. First, the data extracted from the database must be converted into the loader format by performing the following procedures.

### Batch loading

If not already done, run the converter program to convert the ASCII delimited input to the loader format.

▶ Windows

1. Open a DOS command window.
2. Change to the loader directory. For example:

NT

```
drive:\WebSphere\AppServer\installedApps\WC_Enterprise_
App_instance_name.ear\wcstores.war\store_directory\custom_mass_loader
```

2000

```
drive:\Program Files\WebSphere\AppServer\installedApps\
WC_Enterprise_App_instance_name.ear\wcstores.war\
store_directory\custom_mass_loader
```

3. Copy the ASCII delimited input file to that directory.
4. Verify that the `parms.txt` file refers to the correct server, index class or item type, text index, and user names.
5. Ensure that all the content is available in the staging directories.
6. Run the program to convert the ASCII delimited file into the loader format by executing the convert batch file as follows:

```
convert.bat input_file starting_image_ID
```

For example:

```
convert.bat metadata.txt 85001
```

7. Check the output log file to see if any failures occurred. If so, correct the problem and repeat the above step until there are no errors.
8. Record the highest number image ID generated.

This must be used to determine the next set of numbers to use.

AIX

1. Log in as **wcsload**.
  2. Change to the loader directory. For example:
- ```
/usr/WebSphere/AppServer/installedApps/WC_Enterprise_App_
instance_name.ear/wcstores.war/store_directory/custom_mass_loader
```
3. Copy the ASCII delimited input file to that directory.
 4. Verify that the `parms.txt` file refers to the correct server, index class or item type, text index, and user names.
 5. Ensure that all the content is available in the staging directories.
 6. Run the program to convert the ASCII delimited file into the loader format by executing the convert shell script as follows:

```
./convert.sh input_file starting_image_ID
```

For example:

```
./convert.sh metadata.txt 85001
```

7. Check the output log file to see if any failures occurred. If so, correct the problem and repeat the above step until there are no errors.
8. Record the highest number image ID generated.

This must be used to determine the next set of numbers to use.

Once image files have been created and a load control file containing all of the metadata has been created, content can be loaded into Content Manager by executing the batch load program using the following procedure.

1. Before attempting to execute the load program, verify that the file names are specified correctly (they are case sensitive), check that space is available in the destaging file system, and verify that the files have been copied to the required directories (thumb, comp, hires, etc.).
2. Run the load script as follows:

 Windows

```
cmload.bat input_file
```

For example:

```
cmload.bat metadata_c.txt
```

This command must be executed under a userid that has properly been set up as a Content Manager client and whose environment references the required classpaths.

 AIX

```
./cmload.sh input_file
```

For example:

```
./cmload.sh metadata_c.txt
```

This command must be executed under a userid that has properly been set up as a Content Manager client and whose environment references the required classpaths.

3. Verify that the load was successful and that no errors occurred. It is a good idea to fix any errors right away and rerun the loader command if possible. If not possible, note any images that did not load and correct them later. Depending on the situation, you can fix the input and rerun the batch or selectively update or reload only those in error. If you want to delete a record that you loaded, you can do it with the Internet Application Toolkit GUI for Content Manager 7 or with the eClient for Content Manager 8, or through the load program by creating a delete action for the image.

After loading the content, the thumbnails must be copied from the thumbnail directory on the loading system to the thumbnail directory on the web server system unless the loader is set up to load them directly to the HTTP server directory. Currently, the loader shell script automatically calls the text indexer to update the text indices. If you want to have manual control over this, you can remove the indexing step and index them yourself later with the `implupdix` command for Content Manager Version 7 or the `db2text update index myindex` command for Version 8.

Verify the results by any of the following methods.

Verifying Content Manager load data

Verify by reviewing loader log files

You can view loader output and log files, which include processing details and total of items added, updated, deleted, and number of duplicate adds (rejected).

Verify using text search server commands

You can use text search server commands to verify that images have been indexed into the text search index.

Verify the number of documents

Content Manager Version 7:

Windows

1. Open a DOS command window.
2. Run the command `imlstaix -s TM -x IMAGSALE`

AIX

1. Open a terminal window.
2. Run the command `su - tsclint`
3. Run the command `imlstaix -s TM -x IMAGSALE`

This returns the number of documents in the text index. For example:

```
IMLSTAIX - display status information for an index
Index information
-----
Index.....: IMAGSALE
Index type.....: Linguistic
Client library services.....: IMLLSCDL
Server library services.....: IMLLSSDL
Data directory.....: d:\ts\d\inst\data\IMAGSALE\
Working directory.....: d:\ts\d\inst\work\IMAGSALE\
Index status
-----
Index status flag.....: READ/WRITE
Number of indexing request scheduled.....: 0
Number of documents in the primary index.....: 0
Number of documents in the secondary index.....: 10
Number of document messages written.....: 0
-----
IMLSTAIX: Command terminated successfully
```

Search for documents: Run the following command:

```
imlsrch -s TM -x IMAGSALE -max 5 -fterm travel
```

This returns the number of documents found in the index. For example:

```
Search result
Index .....: IMAGSALE
Freetext search term .....: travel
Max. number of displayed results .: 5
IMLSRCH: Warning:
Truncating list of found documents
Documents found .....: 10
Document found .....: LIBSRVRN\G1C@DR4WVNOM1ZFL\1\Q87K9R#VX9PN
20GM\ENU\FRN$NULL
Document found .....: LIBSRVRN\H$RHEU28EBSQ53JR\1\U2LKPWFZFGPTR
64KS\ENU\FRN$NULL
Document found .....: LIBSRVRN\L#OZLRW$ZKMKZDI\1\SUUF70D0BXNL
0YEJ\ENU\FRN$NULL
Document found .....: LIBSRVRN\NI47RVFSBYKIXVBF\1\A@Y#2YC3E@LJ
YWCG\ENU\FRN$NULL
Document found .....: LIBSRVRN\SYOZK052TWYW$9P0\1\PQ#0H373U$ZX
@#Q1\ENU\FRN$NULL
IMLSRCH: Command terminated successfully
```

Content Manager Version 8:

Enter the following commands from a DB2 command window (in Windows from the Start Menu, or by entering the command `db2cmd`)

```
db2 connect to db_name user userid using password
```

```
db2 select INDEXSCHEMA, INDEXNAME, TABLESCHEMA, TABLENAME, NUMBER_DOCS from  
DB2EXT.TEXTCOLUMNS
```

```
db2 disconnect db_name
```

The number of documents indicated should increase with each load. Note that it may take several minutes for the index to reflect the changes, and that there may be an error running the command above if the table is still locked for update.

Verify using the Enterprise Information Portal Internet Toolkit or the Content Manager eClient

Content Manager Version 7: The Enterprise Information Portal Toolkit runs on a Windows client system that is set up to communicate with the Content Manager server.

1. Go to the **Start** menu. Click **Programs > IBM EIP 8.1 > EIP Samples > Internet Application Toolkit**.
2. Log in.
3. Select the index class to search.
4. Select the search field, search operator, and search value.
5. Add to query.
6. Execute query.
7. View results list.
8. Select an item to view parts list.
9. Select a part to view.
10. Add, update, or delete items/parts if needed.

Content Manager Version 8:

1. Open the following URL in a web browser:
<http://hostname/eClient81/IDMInit>
2. Log on to the Content Manager 8 server.
3. Click **Search**.
4. Click the WebSphere Digital Media Enabler **Item Type**.
5. Enter the search criteria. Click **Search**.
6. Verify that the parts that were just loaded are found.
7. Click **Logoff**.

Note that you can view parts by clicking on the document icons, but you will only see the text part with the eClient, not the images.

Verify using SQL Commands

Content Manager Version 7: This step can be performed using the DB2 Control Center from a Windows client or by using native DB2 or Oracle SQL commands. For Oracle, use the SQL*Plus WorkSheet.

1. Start the DB2 Control Center.
2. View the list of tables.
3. Select AVT00005 and **Sample Contents**.
4. Determine the table name of the images index class (AVT00014 for example).

5. Select **Command Center** from the **View** menu.
6. Connect to the library server database.
7. Run the following command:

```
select count(*) from [index class table name]
```

The number of rows in the table is returned. Use this to validate that the rows were actually loaded.

Content Manager Version 8: Enter the following commands from a DB2 command window (in Windows from the **Start** Menu, or by entering the command db2cmd.

```
db2 connect to db_name user userid using password
```

```
db2 select * from ICMSTNLSKEYWORDS where KEYWORDCLASS=5 AND
KEYWORDNAME='item_type'
```

where item_type is the name of the WebSphere Digital Media Enabler Item Type. Note the KEYWORDCODE value.

```
db2 select count(*) from ICMUTxxxxx001 where xxxxx is the KEYWORDCODE
identified above. Add a leading 0 if necessary.
```

```
db2 disconnect db_name
```

The number of rows in the table is returned. Use this to validate that the rows were actually loaded.

Loading content for multiple languages

If the store is required to support more than one language, the descriptive data about the content may have to be translated and loaded for each language. Depending on whether or not the content varies by language, more than one scenario can apply.

Scenario: Digital content is the same for all languages

An example of this scenario may include photo images. The photo is to be indexed and searched by many languages, but the content to be purchased is the same for all languages. In this case, the steps to load the content are as follows:

1. Translate the input descriptive data in the metadata file for each language. The digital content (photo images, for example) is loaded with the first language only.
2. Define an index class or item type and text index for each language version (IMAGES1 for English and IMAGES5 for Spanish, for example).
3. Convert the ASCII delimited input for each language. For languages other than the first (the base language index class or item type that will also contain the content), remove the input column information for the digital media files such as thumbnail, etc.
4. For each language, run the XML converter process to generate a single XML load file that contains the base product data and all language description data. For English and Spanish, for example, you can run the following commands:

```
./wcsdatagen.sh first en_US metadata_load1.txt
./wcsdatagen.sh last es_ES metadata_load5.txt
```

5. Run the WebSphere Commerce ID Resolver on the entire set of the product data XML that was produced.
6. Run the WebSphere Commerce Loader to load all product tables.
7. Run the Content Manager for each input. The images themselves are only loaded into the first (English in this example) index class since they will suffice for all languages.

Scenario: Digital content is language sensitive

An example of this scenario may include technical documents. The document itself is translated into each language. In this case, the digital media not only is to be indexed and searched by language, but the product item is different for each language. This scenario requires some additional customization to the base WebSphere Digital Media Enabler product.

In this case, the steps to load the content are as follows:

1. Translate the input descriptive data in the metadata file for each language. The document itself is also translated for each language. A translated version of the document is to be loaded into each index class.
2. Define an index class and text index for each language version (IMAGES1 for English and IMAGES5 for Spanish, for example).
3. Convert the ASCII delimited input for each language.
4. Run the XML converter process for each language to generate a single XML load file that contains the base product data and separate product items for each language. For English and Spanish, for example, two product items will be loaded for the document.

```
./wcsdatagen.sh first en_US metadata_load1.txt  
./wcsdatagen.sh last es_ES metadata_load5.txt
```
5. Run the WebSphere Commerce ID Resolver on the entire set of product data.
6. Run the WebSphere Commerce Loader to load all product tables.
7. Run the Content Manager for each input. The translated documents are loaded into each of the index classes since they are different for each.

Appendix A. Sample ASCII delimited load input

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In the supermarket of the future, IBM could help make check-out lines a thing of the past.
||IBM; Innovations; solutions; People, places, and things; future; Supermarket; Internet|
01:06:56:08|01:07:15:2|19:06|11196HSH|11196HSH-011|New|03/01/2001|Adult|Contemporary||N|1990s|
95000|Y|Y|U.S. Border Patrol|C|N|S|NS|Sports; Ice|Winter Sports; Ice Dancing|Exterior|Day|
video clip|400x800|640KB|MPEG1; MPEG2|1997|199.00|100|120|||120.00|200.00|"images\5k\95000.jpg"|
"images\85k\95000.jpg"|"images\85k\95000"

In the supermarket of the past, IBM could help make check-out lines a thing of the future.
||IBM; Innovations; solutions; future; Supermarket; Internet|01:06:56:08|01:07:15:2|19:06|
11196HSH|11196HSH-012|New|03/01/2001|Adult|Contemporary||N|1990s|95001|Y|Y|U.S. Border Patrol|
C|N|S|NS|Sports|Winter Sports|Exterior|Day|video clip|400x800|640KB|MPEG1; MPEG2|1997|199.00|
100|120|||120.00|200.00|"images\5k\95001.jpg"|"images\85k\95001.jpg"|"images\85k\95001"

Appendix B. Sample XML load input file

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```
<?xml version="1.0" encoding="UTF-8"?>
<wcdmRecords>
  <wcdmRecord>
    <action>add</action>
    <imageID>68012</imageID>
    <imageDesc>Acrobat File</imageDesc>
    <cameraElement>Acrobat</cameraElement>
    <imageLDeleteFlag></imageLDeleteFlag>
    <imageKeywords>Library,Acrobat</imageKeywords>
    <thumbnailFile>upload/incoming/images/Thumbnail\68012.jpg</thumbnailFile>
    <lowResFile>upload/incoming/images/Lowres\68012.jpg</lowResFile>
    <highResFile></highResFile>
    <imageStatus>I</imageStatus>
    <imagePhotClass></imagePhotClass>
    <TCIn></TCIn>
    <TCOut></TCOut>
    <duration></duration>
    <FBDTapeNo></FBDTapeNo>
    <clipNumber>68012</clipNumber>
    <clipCatalogType></clipCatalogType>
    <clipFootageDate></clipFootageDate>
    <age></age>
    <era></era>
    <imageRestricts>Y</imageRestricts>
    <timePeriod>Prehistoric</timePeriod>
    <imageRelease>Y</imageRelease>
    <imageHighRAvail></imageHighRAvail>
    <imageCaption></imageCaption>
    <imageColor>C</imageColor>
    <audio></audio>
    <cameraSpeed>F</cameraSpeed>
    <composition></composition>
    <category>Sports</category>
    <subcategory>Acrobat</subcategory>
    <intExt>Exterior</intExt>
    <timeOfDay>Night</timeOfDay>
    <productType></productType>
    <imageSize></imageSize>
    <fileSize>250</fileSize>
    <compression></compression>
    <clippricehi>125</clippricehi>
    <clippricelo>55</clippricelo>
  </wcdmRecord>
</wcdmRecords>
```

Appendix C. Contents of the digitalmediaload.properties file

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```
#-----#
# WCDM FIELDS
#-----#
# This properties file makes customization of the field names.
# Each input field maps to a CM field in an index class.
#-----#
# Example:
# field#= value ,SM ,FT ,NV ,SQ ,WH SM=Single or Multit;
# FT=Free Text;
# NV=Name-Value;
# ST=Single Quote;
# WH=0 for Library, WH=1 for index Class, WH=2 for Both
#-----#

#Required fields (cannot change the field name also)
field1= imageID ,false,false,true,false,2
field2= imageDesc ,false,true,true,true,2
field3= cameraElement ,false,true,true,true,2
field4= imageLDeleteFlag ,false,false,true,true,2
field5= imageKeywords ,true,true,true,true,2
#this field goes in to indexClass as a part
field6= thumbnailFile ,false,false,false,true,2
#this field goes in to indexClass as a part
field7= lowResFile ,false,false,false,true,2
#this field goes in to indexClass as a part
field8= highResFile ,false,false,false,true,2
field9= imageStatus ,false,false,true ,true,2
field10= libraryID ,false,false,false,false,0
field11= createDate ,false,false,false,true,0
field12= modifyDate ,false,false,false,true,0
field13= batchID ,false,false,false,true,0
field14= batchDate ,false,false,false,true,0
field15= imageSequence ,false,false,false,false,0
#additional fields (customizable)
field16= imagePhotClass ,false,false,true ,true,2
field17= TCIn ,false,false,false,true,2
field18= TCOut ,false,false,false,true,2
field19= duration ,false,false,false,true,2
field20= FBDTapeNo ,false,true,true ,true,2
field21= clipNumber ,false,true,false,true,2
field22= clipCatalogType ,false,true,false,true,2
field23= clipFootageDate ,true,true,false,true,2
field24= age ,true ,true,true,true,2
field25= era ,true ,true,true,true,2
field26= imageRestricts ,false,false,true,true,2
field27= timePeriod ,true,true,true,true,2
field28= imageRelease ,true,false,true,true,2
field29= imageHighRAvail ,false,false,true,true,2
field30= imageCaption ,false,true,true,true,2
field31= imageColor ,true,true,true,true,2
field32= audio ,true,true,true,true,2
field33= cameraSpeed ,true,true,true,true,2
field34= composition ,true,true,true,true,2
field35= category ,true ,true,true,true,2
field36= subcategory ,true,true,true,true,2
field37= intExt ,true,true,true,true,2
field38= timeOfDay ,true,true,true,true,2
field39= productType ,false,false,false,true,2
field40= imageSize ,false,false,false,true,2
```

```

field41=  fileSize           ,false,false,false,true,2
field42=  compression       ,false,false,false,true,2
field43=  CDSKU              ,false,false,true,true,1
field44=  clipPrice         ,false,false,false,true,1
field45=  Reserved1         ,false,false,true,true,1
field46=  Reserved2         ,false,false,true,true,1
field47=  Reserved3         ,false,false,true,true,1
field48=  Reserved4         ,false,false,true,true,1
field49=  clippricehi       ,false,false,true,true,2
field50=  clippricelo       ,false,false,true,true,2

#-----#
# FIELD Mappings to WCS
#-----#
# This properties file makes customization of the
# Each CM field maps to a WCS field as shown
#-----#
# Example:
# wcsfield1=>catentry_id
# wcsfield1=imageID
#-----#

#wcsfield1=>catentry_id
wcsfield1=imageID

#wcsfield2=>long description
wcsfield2=imageDesc

#wcsfield3=>mfpartnumber
wcsfield3=imageID

#wcsfield4=>field4
wcsfield4=duration

#wcsfield5=>auxdescription1
wcsfield5=Compression

#wcsfield6=>compareprice
wcsfield6=clippricelo

#wcsfield7=>price
wcsfield7=clippricehi

#wcsfield8=>fullimage
wcsfield8=lowResFile

#-----#
# Loader Implementation Property
#-----#
WCDM.CONVERTERIMPLEMENTATION=com.ibm.commerce.digitalmedia.load.WcdmXMLConverter
#WCDM.CONVERTERIMPLEMENTATION=com.ibm.commerce.digitalmedia.load.WcdmASCIIConverter

#-----#
# Upload daemon properties. start
# d:/WebSphere/AppServer/installedApps/WC_Enterprise_App_demo.ear/wcstores.war/
# DigitalMedia/custom_mass_loader/upload.bat
#-----#

# upload daemon sleep time in minutes
WCDM.DAEMONSLEEPTIME=1

# The custom mass loader directory is in
WCDM.MASSLOADERDIR = d:/WebSphere/AppServer/installedApps/WC_Enterprise_App_demo.ear/
wcstores.war/store_directory/custom_mass_loader

# Library Uploaded Images Path
# This is the location where all the images are uploaded during Library Upload #
# Same as LIBRARY_UPLOAD_PATH variable in the /wcstores.war/store_directory/common/lightbox/
# jsp/DMConfig.inc file

WCDM.LIBRARYIMAGEUPLOADPATH = d:/WebSphere/AppServer/installedApps/WC_Enterprise_App_demo.ear/

```

```

wcstores.war/store_directory/common/webobjects/uploadedimages

# Load the data in WCS
WCDM.RUNWCSLOADER = YES

# Load the data in Content Manager
WCDM.RUNCMLOADER = YES

# Number of days files(text,images,logs,errors,incoming and processed) in the upload directory
# should be kept. If the number is -1 then the files are never deleted
WCDM.DELETEDAYS=-1

# Commands to load data in to WCS and CM

# Step 1: Convert command
WCDM.CONVERTCOMMAND = cmd /c convert

# Step 2: WCS data generation command
WCDM.WCSDATAGENCOMMAND = cmd /c wcsdatagen only en_US

# Step 3: WCS Id Resolve command
WCDM.WCSIDRESOLVECOMMAND = cmd /c wcsIdResolve

# Step 4: WCS Loader command
WCDM.WCSLOADERCOMMAND = cmd /c wcsload

# Step 5: CM Loader command
WCDM.CMLOADERCOMMAND = cmd /c cmload

# SMTP host name
WCDM.SMTPHOST = mps07.ibm.us.ibm.com

WCDM.ADMINE-mail = mkhilnan@us.ibm.com

# The below directories start from WCDM.MASSLOADERDIR
WCDM.INPUTFILEDIRECTORY = upload/incoming
WCDM.LOGSFILEDIRECTORY = upload/logs
WCDM.ERRORSFILEDIRECTORY = upload/errors
WCDM.PROCESSEDFILEDIRECTORY = upload/processed
WCDM.THUMBNAILDIRECTORY = upload/incoming/images/Thumbnail
WCDM.LOWRESDIRECTORY = upload/incoming/images/Lowres
WCDM.HIGHRESDIRECTORY = upload/incoming/images/Hires

# Action File. Change this File to ACTION=N0 if you want to stop the upload Daemon
# during the runtime. This file is located in WCDM.MASSLOADERDIR
WCDM.ACTIONFILE=uploadprocessaction.txt

#-----#
# Upload daemon properties. end
#-----#

```

Appendix D. Sample parms.txt contents

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```
!index mode off text search entries not put in table
TRACE_MODE=ON
INDEX_MODE=ON
INPUTFILE=
USER=wcdmp
PASSWORD=wcdmp
SERVER_TYPE=ICM
SERVER=ICMNLSDB
INDEX_CLASS_NAME=DMDEMO
SEARCH_ENGINE=SM
SEARCH_INDEX=TM-DMDEMO
SEARCH_LANG=ENU
COMMERCE_THUMBNAIL_PATH=/WebSphere/AppServer/installedApps/WC_Enterprise_App_demo.ear/
wcstores.war/store_directory/common/webobjects/thumbnails
STORAGE_GROUP_MEDIUM=cbr.c11ct001
STORAGE_GROUP_HIGH=cbr.c11ct001
```

Appendix E. Sample load input data

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This and the following appendices show the entries needed to load the two images 85001 and 85002

```
start=add
imageID=95000
imageDesc=In the supermarket of the future, IBM could help make check-out
  lines a thing of the past.
cameraElement=
imagePhotClass=
imageKeywords=IBM
imageKeywords=Innovations
imageKeywords=solutions
imageKeywords=People, places, and things
imageKeywords=future
imageKeywords=Supermarket
imageKeywords=Internet
TCIn=01:06:56:08
TCOut=01:07:15:2
duration=19:06
FBDTapeNo=11196HSH
clipNumber=11196HSH-011
clipCatalogType=New
clipFootageDate=03/01/2001
age=Adult
era=Contemporary
imageStatus=
imageRestricts=N
timePeriod=1990s
imageRelease=Y
imageHighRAvail=Y
imageCaption=U.S. Border Patrol
imageColor=C
audio=N
cameraSpeed=S
composition=NS
category=Sports
category=Ice
subcategory=Winter Sports
subcategory=Ice Dancing
intExt=Exterior
timeOfDay=Day
productType=video clip
imageSize=400x800
fileSize=640KB
compression=MPEG1
compression=MPEG2
CDSKU=19997
clipPrice=199.00
Reserved1=100
Reserved2=120
Reserved3=
Reserved4=
clippricehi=120.00
clippriceho=200.00
thumb=images\thumb\95000.jpg
comp=images\85k\95000.jpg
desc=text\11196HSH-011-D.txt
keywords=text\11196HSH-011-K.txt
high=images\85k\95000
```

end=95000
start=add
imageID=95001
imageDesc=In the supermarket of the past, IBM could help make check-out
lines a thing of the future.
cameraElement=
imagePhotClass=
imageKeywords=IBM
imageKeywords=Innovations
imageKeywords=solutions
imageKeywords=future
imageKeywords=Supermarket
imageKeywords=Internet
TCIn=01:06:56:08
TCOut=01:07:15:2
duration=19:06
FBDTapeNo=11196HSH
clipNumber=11196HSH-012
clipCatalogType=New
clipFootageDate=03/01/2001
age=Adult
era=Contemporary
imageStatus=
imageRestricts=N
timePeriod=1990s
imageRelease=Y
imageHighRAvail=Y
imageCaption=U.S. Border Patrol
imageColor=C
audio=N
cameraSpeed=S
composition=NS
category=Sports
subcategory=Winter Sports
intExt=Exterior
timeOfDay=Day
productType=video clip
imageSize=400x800
fileSize=640KB
compression=MPEG1
compression=MPEG2
CDSKU=19997
clipPrice=199.00
Reserved1=100
Reserved2=120
Reserved3=
Reserved4=
clippricehi=120.00
clippriceho=200.00
thumb=images\thumb\95001.jpg
comp=images\85k\95001.jpg
desc=text\11196HSH-012-D.txt
keywords=text\11196HSH-012-K.txt
high=images\85k\95001
end=95001

Appendix F. Sample generated XML

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```
<?xml version="1.0"?>
<!DOCTYPE store-asset SYSTEM "dtd/store-asset.dtd">
<store-asset>
<!-- NEW PRODUCT [95000] - -->
<baseitem
baseitem_id="@baseitem_id_95000"
member_id="@MEMBER_ID;"
markfordelete="0"
partnumber="95000"
itemtype_id="ITEM"
quantitymeasure="C62"
quantitymultiple="1.0"
/>
<itemversn
itemversn_id="@itemversn_id_95000"
baseitem_id="@baseitem_id_95000"
expirationdate="2010-01-01 00:00:00.000000"
versionname="version"
/>
<itemspc
itemspc_id="@itemspc_id_10095000"
baseitem_id="@baseitem_id_95000"
markfordelete="0"
partnumber="10095000"
member_id="@MEMBER_ID;"
discontinued="N"
/>
<itemspc
itemspc_id="@itemspc_id_20095000"
baseitem_id="@baseitem_id_95000"
markfordelete="0"
partnumber="20095000"
member_id="@MEMBER_ID;"
discontinued="N"
/>
<versionspc
versionspc_id="@versionspc_id_10095000"
itemspc_id="@itemspc_id_10095000"
itemversn_id="@itemversn_id_95000"
/>
<versionspc
versionspc_id="@versionspc_id_20095000"
itemspc_id="@itemspc_id_20095000"
itemversn_id="@itemversn_id_95000"
/>
<distarrang
distarrang_id="@distarrang_id_95000"
wholesalestore_id="@STORE_ID;"
merchantstore_id="@STORE_ID;"
baseitem_id="@baseitem_id_95000"
pickingmethod="F"
startdate="2000-01-01 00:00:00.000000"
enddate="2010-01-01 00:00:00.000000"
/>
<receipt
receipt_id="@receipt_id_10095000"
store_id="@STORE_ID;"
ffmcenter_id="@FFMCENTER_ID;"
versionspc_id="@versionspc_id_10095000"
```

```

vendor_id="&VENDOR_ID;"
receiptdate="2000-01-01 00:00:00.000000"
qtyreceived="100"
qtyinprocess="0"
qtyonhand="100"
qtyinkits="100"
receipttype="ADHC"
createtime="2000-01-01 00:00:00.000000"
/>
<receipt
receipt_id="@receipt_id_20095000"
store_id="&STORE_ID;"
ffmcenter_id="&FFMCENTER_ID;"
versionspc_id="@versionspc_id_20095000"
vendor_id="&VENDOR_ID;"
receiptdate="2000-01-01 00:00:00.000000"
qtyreceived="100"
qtyinprocess="0"
qtyonhand="100"
qtyinkits="100"
receipttype="ADHC"
createtime="2000-01-01 00:00:00.000000"
/>
<rcptavail
rcptavail_id="@rcptavail_id_10095000"
distarrang_id="@distarrang_id_95000"
receipt_id="@receipt_id_10095000"
/>
<rcptavail
rcptavail_id="@rcptavail_id_20095000"
distarrang_id="@distarrang_id_95000"
receipt_id="@receipt_id_20095000"
/>
<storeitem
baseitem_id="@baseitem_id_95000"
storeent_id="&STORE_ID;"
trackinventory="Y"
forcebackorder="N"
releaseseparately="N"
returnnotdesired="N"
backorderable="N"
creditable="Y"
minqtyforsplit="0"
/>
<catentry catentry_id="@catentry_id_95000"
baseitem_id="@baseitem_id_95000"
member_id="&MEMBER_ID;"
catenttype_id="ProductBean"
partnumber="95000"
mfpartnumber="11196HSH-011"
mfname="&CATALOG_DESC;"
field4="19:06"
markfordelete="0" buyable="1"
/>
<catentry catentry_id="@catentry_id_10095000"
itemspc_id="@itemspc_id_10095000"
member_id="&MEMBER_ID;"
catenttype_id="ItemBean"
partnumber="10095000"
mfpartnumber="11196HSH-011"
mfname="&CATALOG_DESC;"
field4="19:06"
markfordelete="0"
buyable="1"
/>
<catentry catentry_id="@catentry_id_20095000"
itemspc_id="@itemspc_id_20095000"
member_id="&MEMBER_ID;"
catenttype_id="ItemBean"
partnumber="20095000"
mfpartnumber="11196HSH-011"
mfname="&CATALOG_DESC;"

```

```

field4="19:06"
markfordelete="0"
buyable="1"
/>
<catentrel
catentry_id_parent="@catentry_id_95000"
catreltype_id="PRODUCT_ITEM"
catentry_id_child="@catentry_id_10095000"
sequence="1"
quantity="1"
/>
<catentrel
catentry_id_parent="@catentry_id_95000"
catreltype_id="PRODUCT_ITEM"
catentry_id_child="@catentry_id_20095000"
sequence="2"
quantity="1"
/>
<storitmffc
baseitem_id="@baseitem_id_95000"
storent_id="&STORE_ID;"
ffmcenter_id="&FFMCENTER_ID;"
shippingoffset="86400"
/>
<itemffmctr
itemspc_id="@itemspc_id_10095000"
qtyallocbackorder="0"
qtybackordered="0"
qtyreserved="0"
ffmcenter_id="&FFMCENTER_ID;"
store_id="&STORE_ID;"
/>
<itemffmctr
itemspc_id="@itemspc_id_20095000"
qtyallocbackorder="0"
qtybackordered="0"
qtyreserved="0"
ffmcenter_id="&FFMCENTER_ID;"
store_id="&STORE_ID;"
/>
<catentdesc catentry_id="@catentry_id_95000"
language_id="&en_US;"
name="95000"
shortdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
longdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
thumbnail="00\95000.jpg"
fullimage="images\85k\95000.jpg"
available="1" published="1"
/>
<attribute attribute_id="@attribute_id_95000_1"
language_id="&en_US;"
attrtype_id="STRING"
name="&TEXT_RESOLUTION;"
sequence="1"
description="&TEXT_RESOLUTION;"
catentry_id="@catentry_id_95000"
/>
<catentdesc catentry_id="@catentry_id_10095000"
language_id="&en_US;"
name="10095000"
shortdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
longdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
auxdescription1="null"
thumbnail="00\95000.jpg"
fullimage="images\85k\95000.jpg"
available="1" published="1"
/>
<attrvalue attrvalue_id="@attrvalue_id_95000_1"

```

```

language_id="&en_US;"
attribute_id="@attribute_id_95000_1"
name="&TEXT_RESOLUTION;"
attrtype_id="STRING"
stringvalue="&TEXT_RESOLUTION_LOW;"
sequence="1"
catentry_id="@catentry_id_10095000"
/>
<catentdesc catentry_id="@catentry_id_20095000"
language_id="&en_US;"
name="20095000"
shortdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
longdescription="In the supermarket of the future, IBM could help make check-out
  lines a thing of the past."
auxdescription1="null"
thumbnail="00\95000.jpg"
fullimage="images\85k\95000.jpg"
available="1" published="1"
/>
<attrvalue attrvalue_id="@attrvalue_id_95000_2"
language_id="&en_US;"
attribute_id="@attribute_id_95000_1"
name="&TEXT_RESOLUTION;"
attrtype_id="STRING"
stringvalue="&TEXT_RESOLUTION_HIGH;"
sequence="2"
catentry_id="@catentry_id_20095000"
/>
<!-- OFFERING: PRODUCT [@catentry_id_95000] - -->
<offer
offer_id="@offer_id_95000"
startdate="&STARTDATE;"
catentry_id="@catentry_id_95000"
precedence="0"
published="1"
identifier="1"
flags="1"
tradeposcn_id="&TRADEPOSCN_ID;"
/>
<offerprice
offer_id="@offer_id_95000"
currency="&CURRENCY;"
price="120.00"
compareprice="200.00"
/>
<!-- [OFFERING: ITEM #1] - -->
<offer
offer_id="@offer_id_10095000"
startdate="&STARTDATE;"
catentry_id="@catentry_id_10095000"
precedence="0"
published="1"
identifier="1"
flags="1"
tradeposcn_id="&TRADEPOSCN_ID;"
/>
<offerprice
offer_id="@offer_id_10095000"
currency="&CURRENCY;"
price="200.00"
compareprice="200.00"
/>
<!-- [OFFERING: ITEM #2] - -->
<offer
offer_id="@offer_id_20095000"
startdate="&STARTDATE;"
catentry_id="@catentry_id_20095000"
precedence="0"
published="1"
identifier="1"
flags="1"

```



```

tradeposcn_id="@TRADEPOSCN_ID;"
/>
<offerprice
offer_id="@offer_id_20095000"
currency="@CURRENCY;"
price="120.00"
compareprice="120.00"
/>
<!-- INVENTORY: PRODUCT [@catentry_id_95000] - -->
<!-- [INVENTORY: ITEM #1] - -->
<inventory
catentry_id="@catentry_id_10095000"
quantity="100"
ffmcenter_id="@FFMCENTER_ID;"
store_id="@STORE_ID;"
quantitymeasure="@QUANTITYMEASURE;"
inventoryflags="3"
/>
<!-- [INVENTORY: ITEM #2] - -->
<inventory
catentry_id="@catentry_id_20095000"
quantity="100"
ffmcenter_id="@FFMCENTER_ID;"
store_id="@STORE_ID;"
quantitymeasure="@QUANTITYMEASURE;"
inventoryflags="3"
/>
<!-- PRODUCT [@catentry_id_95000] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_95000"
/>
<!-- [ITEM #1] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_10095000"
/>
<!-- [ITEM #2] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_20095000"
/>
<!-- NEW PRODUCT [95001] - -->
<baseitem
baseitem_id="@baseitem_id_95001"
member_id="@MEMBER_ID;"
markfordelete="0"
partnumber="95001"
itemtype_id="ITEM"
quantitymeasure="C62"
quantitymultiple="1.0"
/>
<itemversn
itemversn_id="@itemversn_id_95001"
baseitem_id="@baseitem_id_95001"
expirationdate="2010-01-01 00:00:00.000000"
versionname="version"
/>
<itemspc
itemspc_id="@itemspc_id_10095001"
baseitem_id="@baseitem_id_95001"
markfordelete="0"
partnumber="10095001"
member_id="@MEMBER_ID;"
discontinued="N"
/>
<itemspc
itemspc_id="@itemspc_id_20095001"
baseitem_id="@baseitem_id_95001"
markfordelete="0"
partnumber="20095001"
member_id="@MEMBER_ID;"

```

```

discontinued="N"
/>
<versionspc
versionspc_id="@versionspc_id_10095001"
itemspc_id="@itemspc_id_10095001"
itemversn_id="@itemversn_id_95001"
/>
<versionspc
versionspc_id="@versionspc_id_20095001"
itemspc_id="@itemspc_id_20095001"
itemversn_id="@itemversn_id_95001"
/>
<distarrang
distarrang_id="@distarrang_id_95001"
wholesalestore_id="&STORE_ID;"
merchantstore_id="&STORE_ID;"
baseitem_id="@baseitem_id_95001"
pickingmethod="F"
startdate="2000-01-01 00:00:00.000000"
enddate="2010-01-01 00:00:00.000000"
/>
<receipt
receipt_id="@receipt_id_10095001"
store_id="&STORE_ID;"
ffmcenter_id="&FFMCENTER_ID;"
versionspc_id="@versionspc_id_10095001"
vendor_id="&VENDOR_ID;"
receiptdate="2000-01-01 00:00:00.000000"
qtyreceived="100"
qtyinprocess="0"
qtyonhand="100"
qtyinkits="100"
receipttype="ADHC"
createtime="2000-01-01 00:00:00.000000"
/>
<receipt
receipt_id="@receipt_id_20095001"
store_id="&STORE_ID;"
ffmcenter_id="&FFMCENTER_ID;"
versionspc_id="@versionspc_id_20095001"
vendor_id="&VENDOR_ID;"
receiptdate="2000-01-01 00:00:00.000000"
qtyreceived="100"
qtyinprocess="0"
qtyonhand="100"
qtyinkits="100"
receipttype="ADHC"
createtime="2000-01-01 00:00:00.000000"
/>
<rcptavail
rcptavail_id="@rcptavail_id_10095001"
distarrang_id="@distarrang_id_95001"
receipt_id="@receipt_id_10095001"
/>
<rcptavail
rcptavail_id="@rcptavail_id_20095001"
distarrang_id="@distarrang_id_95001"
receipt_id="@receipt_id_20095001"
/>
<storeitem
baseitem_id="@baseitem_id_95001"
storeent_id="&STORE_ID;"
trackinventory="Y"
forcebackorder="N"
releaseseparately="N"
returnnotdesired="N"
backorderable="N"
creditable="Y"
minqtyforsplit="0"
/>
<catentry catentry_id="@catentry_id_95001"
baseitem_id="@baseitem_id_95001"

```

```

member_id="MEMBER_ID;"
catenttype_id="ProductBean"
partnumber="95001"
mfpartnumber="11196HSH-012"
mfname="CATALOG_DESC;"
field4="19:06"
markfordelete="0" buyable="1"
/>
<catentry catentry_id="@catentry_id_10095001"
itemspc_id="@itemspc_id_10095001"
member_id="MEMBER_ID;"
catenttype_id="ItemBean"
partnumber="10095001"
mfpartnumber="11196HSH-012"
mfname="CATALOG_DESC;"
field4="19:06"
markfordelete="0"
buyable="1"
/>
<catentry catentry_id="@catentry_id_20095001"
itemspc_id="@itemspc_id_20095001"
member_id="MEMBER_ID;"
catenttype_id="ItemBean"
partnumber="20095001"
mfpartnumber="11196HSH-012"
mfname="CATALOG_DESC;"
field4="19:06"
markfordelete="0"
buyable="1"
/>
<catentrel
catentry_id_parent="@catentry_id_95001"
catreltype_id="PRODUCT_ITEM"
catentry_id_child="@catentry_id_10095001"
sequence="1"
quantity="1"
/>
<catentrel
catentry_id_parent="@catentry_id_95001"
catreltype_id="PRODUCT_ITEM"
catentry_id_child="@catentry_id_20095001"
sequence="2"
quantity="1"
/>
<storitmffc
baseitem_id="@baseitem_id_95001"
storeent_id="STORE_ID;"
ffmcenter_id="FFMCENTER_ID;"
shippingoffset="86400"
/>
<itemffmctr
itemspc_id="@itemspc_id_10095001"
qtyallocbackorder="0"
qtybackordered="0"
qtyreserved="0"
ffmcenter_id="FFMCENTER_ID;"
store_id="STORE_ID;"
/>
<itemffmctr
itemspc_id="@itemspc_id_20095001"
qtyallocbackorder="0"
qtybackordered="0"
qtyreserved="0"
ffmcenter_id="FFMCENTER_ID;"
store_id="STORE_ID;"
/>
<catentdesc catentry_id="@catentry_id_95001"
language_id="en_US;"
name="95001"
shortdescription="In the supermarket of the past, IBM could help make check-out
lines a thing of the future."
longdescription="In the supermarket of the past, IBM could help make check-out

```

```

    lines a thing of the future."
    thumbnail="01\95001.jpg"
    fullimage="images\85k\95001.jpg"
    available="1" published="1"
  />
  <attribute attribute_id="@attribute_id_95001_1"
    language_id="&en_US;"
    attrtype_id="STRING"
    name="&TEXT_RESOLUTION;"
    sequence="1"
    description="&TEXT_RESOLUTION;"
    catentry_id="@catentry_id_95001"
  />
  <catentdesc catentry_id="@catentry_id_10095001"
    language_id="&en_US;"
    name="10095001"
    shortdescription="In the supermarket of the past, IBM could help make check-out
      lines a thing of the future."
    longdescription="In the supermarket of the past, IBM could help make check-out
      lines a thing of the future."
    auxdescription1="null"
    thumbnail="01\95001.jpg"
    fullimage="images\85k\95001.jpg"
    available="1" published="1"
  />
  <attrvalue attrvalue_id="@attrvalue_id_95001_1"
    language_id="&en_US;"
    attribute_id="@attribute_id_95001_1"
    name="&TEXT_RESOLUTION;"
    attrtype_id="STRING"
    stringvalue="&TEXT_RESOLUTION_LOW;"
    sequence="1"
    catentry_id="@catentry_id_10095001"
  />
  <catentdesc catentry_id="@catentry_id_20095001"
    language_id="&en_US;"
    name="20095001"
    shortdescription="In the supermarket of the past, IBM could help make check-out
      lines a thing of the future."
    longdescription="In the supermarket of the past, IBM could help make check-out
      lines a thing of the future."
    auxdescription1="null"
    thumbnail="01\95001.jpg"
    fullimage="images\85k\95001.jpg"
    available="1" published="1"
  />
  <attrvalue attrvalue_id="@attrvalue_id_95001_2"
    language_id="&en_US;"
    attribute_id="@attribute_id_95001_1"
    name="&TEXT_RESOLUTION;"
    attrtype_id="STRING"
    stringvalue="&TEXT_RESOLUTION_HIGH;"
    sequence="2"
    catentry_id="@catentry_id_20095001"
  />
  <!-- OFFERING: PRODUCT [@catentry_id_95001] - -->
  <offer
    offer_id="@offer_id_95001"
    startdate="&STARTDATE;"
    catentry_id="@catentry_id_95001"
    precedence="0"
    published="1"
    identifier="1"
    flags="1"
    tradeposcn_id="&TRADEPOSCN_ID;"
  />
  <offerprice
    offer_id="@offer_id_95001"
    currency="&CURRENCY;"
    price="120.00"
    compareprice="200.00"
  />

```

```

<!-- [OFFERING: ITEM #1] - -->
<offer
offer_id="@offer_id_10095001"
startdate="@STARTDATE;"
catentry_id="@catentry_id_10095001"
precedence="0"
published="1"
identifier="1"
flags="1"
tradeposcn_id="@TRADEPOSCN_ID;"
/>
<offerprice
offer_id="@offer_id_10095001"
currency="@CURRENCY;"
price="200.00"
compareprice="200.00"
/>
<!-- [OFFERING: ITEM #2] - -->
<offer
offer_id="@offer_id_20095001"
startdate="@STARTDATE;"
catentry_id="@catentry_id_20095001"
precedence="0"
published="1"
identifier="1"
flags="1"
tradeposcn_id="@TRADEPOSCN_ID;"
/>
<offerprice
offer_id="@offer_id_20095001"
currency="@CURRENCY;"
price="120.00"
compareprice="120.00"
/>
<!-- INVENTORY: PRODUCT [@catentry_id_95001] - -->
<!-- [INVENTORY: ITEM #1] - -->
<inventory
catentry_id="@catentry_id_10095001"
quantity="100"
ffmcenter_id="@FFMCENTER_ID;"
store_id="@STORE_ID;"
quantitymeasure="@QUANTITYMEASURE;"
inventoryflags="3"
/>
<!-- [INVENTORY: ITEM #2] - -->
<inventory
catentry_id="@catentry_id_20095001"
quantity="100"
ffmcenter_id="@FFMCENTER_ID;"
store_id="@STORE_ID;"
quantitymeasure="@QUANTITYMEASURE;"
inventoryflags="3"
/>
<!-- PRODUCT [@catentry_id_95001] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_95001"
/>
<!-- [ITEM #1] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_10095001"
/>
<!-- [ITEM #2] - -->
<storecent
storeent_id="@STORE_ID;"
catentry_id="@catentry_id_20095001"
/>
</store-asset>

```

Appendix G. WebSphere Commerce table field usage

ORDERS table

- Field 1
This is used to indicate whether the order is to be downloaded or not (0 = no images to be downloaded; 1 = images have been downloaded in a file orderid.zip to the directory in the properties file concatenated with store_id, order_id, and user_id; 2 = no need for automatic downloading, customer will download the order)
- Field 2
This is used to indicate that e-mail for new order has been sent (0.00000 if the HTML attachment file has been created, 1.00000 if the new order e-mail has been sent to the customer)

ORDERITEMS table

- Field1
This field is used to store the base price for the usage calculator.

CATENTDESC table

- Name
This is used to hold the NGS image number.
- Shortdescription
This is used to hold the image caption (first 250 chars of description).
- Longdescription
This is used to hold the image description.
- Auxdescription1
This is used to hold the location.
- Catentry_id
This is used to hold the image ID.
- Thumbnail
This holds the thumbnail name.
- Fullimage
This holds the image name.

CATENTRY table

- Catentry_id
This is used to hold the image ID (BIGINT).
- Mfpartnumber
This is used to hold the NGS image number.
- Partnumber
This is used to hold the image number assigned by the load process.
- Field4
This is used to hold duration (VARCHAR 254).

OFFERPRICE table

- Price
This is used to hold the image base price.
- Compareprice
This is used to hold the image base price.

LISTPRICE table

- Listprice
This is used to hold the image base price.

Appendix H. Sample DMConfig.inc contents

Note: THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE THESE SAMPLES. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

```
<%!
/*****
//-----
/* Licensed Materials - Property of IBM
/*
/** 5697-D24
/**
/** (c) Copyright IBM Corp. yyyy, 2000
/**
/** US Government Users Restricted Rights - Use, duplication or
/** disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
/**
//-----
/**
%>

<%!
/*****
/* Purpose: This JSP include file is used to define configuration variables */
/*          common (and global) to all JSP files.                */
/*          */
/* Notes:  1) Set all variables as "static final" for thread safety. */
/*          2) Do NOT define variables with full URL specification */
/*             (i.e. with protocol/hostname such as http://tmws39) here */
/*             for WCS and DigitalMedia in order to avoid inconsistent URL */
/*             naming conventions. The inconsistency leads to loss of */
/*             HTTP session.                                        */
/*****

/*=====*/
/*
/*          SECTION FOR Path Variables (Configuration Variables)
/* Make sure the below 2 paths are correct
/*
/*=====*/

// WCS Install PATH
static final String MEDIA_WCS_INSTALL_PATH = "d:\\WebSphere\\AppServer\\installedApps\\
WC_Enterprise_App_demo.ear\\wcstores.war"; //WINDOWS
//static final String MEDIA_WCS_INSTALL_PATH = "/usr/WebSphere/AppServer/installedApps/
WC_Enterprise_App_demo.ear/wcstores.war"; //UNIX

/*=====*/
/*
/*          SECTION FOR Customization Path Variables (Configuration Variables)
/*
/*=====*/

// WCS Web Root Path
static final String WCS_ROOT_RELATIVE_URL = "/webapp/wcs/stores";

// DigitalMedia Common Search Word
static final String MEDIA_COMMON_WORD = "";

// DigitalMedia Web Root Path
static final String MC_ROOT_RELATIVE_URL = WCS_ROOT_RELATIVE_URL;
```

```

// Set file separator to be used in absolute native directory paths referenced in this file:
static final String FSEP = System.getProperties().getProperty("file.separator", "");

/*=====*/
/*
/*          SECTION FOR CONTENT MANAGER SERVER          */
/*
/*=====*/

// Part No for the Index Class
public final static short MEDIA_PART_ID_TEXT           = 1;
public final static short MEDIA_PART_ID_TOC           = 2;
public final static short MEDIA_PART_ID_THUMBNAIL     = 3;
public final static short MEDIA_PART_ID_100K         = 5; // Low Res
public final static short MEDIA_PART_ID_300K         = 7; // High Res
public final static short MEDIA_PART_ID_STORYBOARD   = 6;
public final static short MEDIA_PART_ID_DESCRIPTION  = 9;
public final static short MEDIA_PART_ID_KEYWORDS     = 11;
public final static short MEDIA_PART_ID_STORYBOARD_TOC = 12;

/*=====*/
/*
/*          SECTION FOR WCS 5.1 SERVER          */
/* (SHOULD NOT BE CHANGED) */
/*
/*=====*/

// The Resource Bundle name
static final String RESOURCE_BUNDLE_NAME = "dmstoretext";
static final String RESOURCE_BUNDLE_CONFIG = "dmstoreconfig";

static final String WCS_HOME           = WCS_ROOT_RELATIVE_URL + "/servlet/
DigitalMediaHomePageView";
static final String WCS_ADDITEM       = WCS_ROOT_RELATIVE_URL + "/servlet/
OrderItemAdd";
static final String WCS_ITEMDISPLAY   = WCS_ROOT_RELATIVE_URL + "/servlet/
OrderItemDisplay";
static final String WCS_ORDERLIST    = WCS_ROOT_RELATIVE_URL + "/servlet/
OrderList";
static final String WCS_ORDERDISPLAY  = WCS_ROOT_RELATIVE_URL + "/servlet/
OrderDisplay";
static final String WCS_REGISTRATION  = WCS_ROOT_RELATIVE_URL + "/servlet/
UserRegistrationForm";
static final String WCS_CONTACT      = WCS_ROOT_RELATIVE_URL + "/servlet/
ContactView";
static final String WCS_HELP         = WCS_ROOT_RELATIVE_URL + "/servlet/
HelpView";
static final String WCS_LOGOUT       = WCS_ROOT_RELATIVE_URL + "/servlet/
Logoff";
static final String WCS_DIGITALMEDIA_COMMON = WCS_ROOT_RELATIVE_URL + "/servlet/
DigitalMediaCommonView";
static final String WCS_PRODUCTDISPLAY = WCS_ROOT_RELATIVE_URL + "/servlet/
ProductDisplay";

/*=====*/
/*
/*          SECTION FOR SUBSCRIPTION          */
/* (SHOULD NOT BE CHANGED) */
/*
/*=====*/

// Sample Subscription Part Numbers
// Supports 3 types of Subscription
//   Package: One can subscribe for 1 item, 3 items, 5 items or 10 items
//   Duration: One can subscribe for 1 month, 3 months, 1 year or 3 years
//   Amount: One can subscribe for 100 dollars, 200 dollars, 500 dollars or 1000 dollars

// The Subscription items should have the ManufacturerName as the subscription type

```

```

// for ex.      For Package Subscription it should be P
//              For Duration Subscription it should be D
//              For Amount Subscription it should be A
// The ManufacturerPartNumber Should be the value of that item
// for ex.      For Package it is the no of items(1 or 3 or 5 or 10)
// For Duration it is the no of months (1 or 3 or 12 or 36)
// For Amount it should be the Subscription Amount (100 or 200 or 500 or 1000)

static final String WCS_SUBSCRIPTION_DURATION_PARTNUMBER      = "19998";
static final String WCS_SUBSCRIPTION_PACKAGE_PARTNUMBER      = "19999";
static final String WCS_SUBSCRIPTION_AMOUNT_PARTNUMBER       = "19995";

/*=====*/
/*                                                    */
/*              SECTION FOR DIGITAL MEDIA SERVER          */
/*              (SHOULD NOT BE CHANGED)                  */
/*                                                    */
/*=====*/

// No of Storyboard frames to be shown on a single row.
static final int MEDIA_MAX_FRAME = 5;

// If the last Character of sku is 4 then low res image is not available
static final String MC_CLIPBIN_NO_LOWRES = "4";

// No of Images DropDown Search Display
static final String MEDIA_DISPLAY_1 = "9"; // 9 images shown on one page
static final String MEDIA_DISPLAY_2 = "15";
static final String MEDIA_DISPLAY_3 = "21";
static final String MEDIA_DEFAULT_DISPLAY = "9";

static final int MEDIA_MAX_DESCRIPTION = 150;
static final int MEDIA_MAX_KEYWORDS = 10;

// -----
// Folder Commands
// -----
static final String LIGHTBOX_MULTI_DELETE_IMAGES_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
MultiDeleteFolderImages";
static final String LIGHTBOX_ADD_IMAGES_CMD          = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
CopyImagesToAnotherFolder";
static final String LIGHTBOX_UPDATE_NOTES_CMD       = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
UpdateFolderNotes";
static final String LIGHTBOX_SEQUENCE_IMAGES_CMD    = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
SequenceFolderImages";
static final String LIGHTBOX_CREATE_CMD             = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
CreateFolder";
static final String LIGHTBOX_COPY_CMD              = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
CopyFolder";
static final String LIGHTBOX_RENAME_CMD            = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
RenameFolder";
static final String LIGHTBOX_SHARE_CMD             = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
ShareFolder";
static final String LIGHTBOX_MULTI_DELETE_CMD      = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
MultiDeleteFolder";
static final String LIGHTBOX_e-mail_CMD           = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
emailFolder";
static final String LIGHTBOX_INIT_SESSION_CMD      = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
InitSession";
static final String MEDIA_ZIP_SERVLET             = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
MediaZip";
static final String MEDIA_SEARCH_SERVLET_NAME      = "/wcdmservlet/MediaSearch";
static final String MEDIA_SEARCH_SERVLET         = MC_ROOT_RELATIVE_URL + MEDIA_SEARCH_
SERVLET_NAME;
static final String MEDIA_ADD_IMAGE_TO_LIGHTBOX   = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
MultiAddFolderImages";

static final String LIGHTBOX_MANAGER_RELOAD_CMD    = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
ReloadFolderManager";

static final String BUYER_HOME_URL                = WCS_HOME;
static final String FULL_SEARCH_URL               = "javascript: perform_full_search();";

```

```

static final String IMAGE_CART_URL           = WCS_ITEMDISPLAY;
static final String ORDER_HISTORY_URL       = WCS_ORDERLIST;
static final String ACCOUNT_SETUP_URL      = WCS_REGISTRATION;
static final String CONTACT_URL            = WCS_CONTACT;
static final String HELP_URL                = WCS_HELP;
static final String BUYER_LOGOUT_URL       = WCS_LOGOUT;
static final String HOME_URL                = BUYER_HOME_URL;

static final String MEDIA_STORYBOARD_JAR = "mediastoryboard.jar";
static final String MEDIA_STORYBOARD_DIR = "/Storyboard";
static final String MEDIA_LOWRES_DIR = "/lowres";
static final String MEDIA_ACROBAT_DIR = "/acrobat";
static final String MEDIA_VIDEO_DIR = "/video";

static final String ADD_LOW = "10000000";
static final String ADD_HIGH = "20000000";

static final String DL_RES_100           = "_100k.mov"; // Low res
static final String DL_RES_300           = "_300k.mov"; // high res

/*=====*/
/*
/*          SECTION FOR DIGITAL MEDIA ZIP          */
/*          (CAN BE CHANGED)                       */
/*
/*=====*/

// Want to download only High Res
static final String MEDIAZIP_ONLYHIGHRES= "YES";

// Attach the html Attachment File to order
static final String MEDIAZIP_ATTACHHTML="NO";

// Attach the pdf Attachment File to order
static final String MEDIAZIP_ATTACHPDF="NO";

// Location of the Attachment file
static final String MEDIAZIP_ATTACHLOCATION="d:/download/orders";

// Zip Extension
static final String MEDIAZIP_EXT = ".zip";

// The search for each image will on MFPartNumber i.e. searchprefix + MFPartNumber
// If the searchprefix is blank the search is only on MFPartNumber
static final String MEDIAZIP_SEARCHPREFIX= "";

// Change this to C when the system goes live.
static final String MEDIADOWNLOAD_STATUS = "M";

// Change this to the number of days the user is able to download the order.
static final int MEDIADOWNLOADEXPIRE_DAYS = 30;

// The MediaZip Servlet will zip the media files using the JAVA API
// If one wants to use the WINZIP then change this to NO and provide the wzzip path in
MEDIAZIP_COMMAND
static final String MEDIAZIP_JAVAAPI="YES";

// Command to zip the files
// One requires the Zip Command to download the order.
// After changing this variable, touch the DMMediaDownloadWait.jsp
//static final String MEDIAZIP_COMMAND="c:\\progra~1\\winzip\\wzzip -rp -u -x*.zip";
static final String MEDIAZIP_COMMAND = "";

%>
<%
// Preparation directory for the Order Zip images (Behind the firewall)
String MEDIAZIP_DIR = MEDIA_WCS_INSTALL_PATH + FSEP + storeDir + FSEP + "common" + FSEP
+ "lightbox" + FSEP + "downloadorderzip";

```

```

// The relative URL of Web Objects
String WEBOBJECTS_RELATIVE_URL = WCS_ROOT_RELATIVE_URL + "/" + storeDir
    + "/common/webobjects/" + wcdmLocale;

// Destination for Order images in zip format directory (Visible to User)
String MEDIA_HIGH_RES_ZIP_DIR = WCS_ROOT_RELATIVE_URL + "/" + storeDir +
    "/common/lightbox/downloadorderzip";
String MEDIAZIP_WEB = MEDIA_WCS_INSTALL_PATH + FSEP + storeDir + FSEP +
    "common" + FSEP + "lightbox" + FSEP + "downloadorderzip";

String MEDIA_THUMBNAIL_PATH = WCS_ROOT_RELATIVE_URL + "/" + storeDir + "/common/webobjects/
    thumbnails";

String MEDIA_LIGHTBOX_DIR = MEDIA_WCS_INSTALL_PATH + "/" + storeDir + "/common/lightbox";

String MEDIA STORYBOARD_FULL_DIR = MEDIA_LIGHTBOX_DIR + MEDIA STORYBOARD_DIR;
String MEDIA_LOWRES_FULL_DIR = MEDIA_LIGHTBOX_DIR + MEDIA_LOWRES_DIR;
String MEDIA_ACROBAT_FULL_DIR = MEDIA_LIGHTBOX_DIR + MEDIA_ACROBAT_DIR;
String MEDIA_VIDEO_FULL_DIR = MEDIA_LIGHTBOX_DIR + MEDIA_VIDEO_DIR;

String MEDIA STORYBOARD_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/lightbox/
    StoryBoard";

String MEDIA_POPUP_DIR = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/lightbox";

// -----
// Folder JSP URLs
// -----
String LIGHTBOX_MANAGER_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderManager.jsp";
String LIGHTBOX_e-mail_SUCCESS_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFoldere-mailSuccess.jsp";
String LIGHTBOX_CONTENTS_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderView.jsp";
String LIGHTBOX_e-mail_VIEW_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFoldere-mailView.jsp";
String LIGHTBOX_CREATE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderCreate.jsp";
String LIGHTBOX_RENAME_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderRename.jsp";
String LIGHTBOX_COPY_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderCopy.jsp";
String LIGHTBOX_SHARE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderShare.jsp";
String LIGHTBOX_SHARE_SUCCESS_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderShareSuccess.jsp";
String LIGHTBOX_UNSHARE_SUCCESS_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderUnShareSuccess.jsp";
String LIGHTBOX_MULTI_DELETE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderMultiDelete.jsp";
String LIGHTBOX_e-mail_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFoldere-mail.jsp";
String LIGHTBOX_DB2_SEARCH_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMDB2SearchResult.jsp";
String MEDIA_ZIP_COMPLETE_URL = "/" + storeDir + "/common/lightbox/jsp/
    DMMediaDownloadComplete.jsp";
String MEDIA_SEARCH_ENTRY_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMSearchEntry.jsp";
String MEDIA_IMAGE_DISPLAY_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMSearchResult.jsp";
String MEDIA_IMAGE_DETAIL_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMSearchDetail.jsp";
String MEDIA_BROWSE_CAT_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMSearchBrowseCat.jsp";
String MEDIA_POPUP_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMSearchPopUp.jsp";

```

```

String LIGHTBOX_MULTI_DELETE_JSP      = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderMultiDelete.jsp";
String LIGHTBOX_e-mail_SUCCESS_JSP    = "/" + storeDir + "/common/lightbox/jsp/
  DMFoldere-mailSuccess.jsp";
String LIGHTBOX_COPY_JSP              = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderCopy.jsp";
String LIGHTBOX_CONTENTS_JSP          = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderView.jsp";
String LIGHTBOX_SHARE_JSP             = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderShare.jsp";
String LIGHTBOX_SHARE_SUCCESS_JSP     = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderShareSuccess.jsp";
String ERROR_HANDLER_JSP              = "/" + storeDir + "/common/lightbox/jsp/
  DMErrorHandler.jsp";
String MEDIA_ZIP_WAIT_JSP             = "/" + storeDir + "/common/lightbox/jsp/
  DMMediaDownloadWait.jsp";
String MEDIA_ADD_IMAGE_DISPLAY_JSP    = "/" + storeDir + "/common/lightbox/jsp/
  DMSearchResult.jsp";
String MEDIA_ADD_IMAGE_DETAIL_JSP     = "/" + storeDir + "/common/lightbox/jsp/
  DMSearchDetail.jsp";
String MEDIA_ADD_DB2_IMAGE_DISPLAY_JSP = "/" + storeDir + "/common/lightbox/jsp/
  DMDB2SearchResult.jsp";
String DB2_MEDIA_IMAGE_DETAIL_JSP     = "/" + storeDir + "/common/lightbox/jsp/
  DMDB2SearchDetail.jsp";
String MEDIA_BROWSE_CAT_JSP           = "/" + storeDir + "/common/lightbox/jsp/
  DMSearchBrowseCat.jsp";
String MEDIA_SEARCH_ENTRY_JSP         = "/" + storeDir + "/common/lightbox/jsp/
  DMSearchEntry.jsp";
String LIGHTBOX_MANAGER_JSP           = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderManager.jsp";
String LIGHTBOX_CREATE_SUCCESS_JSP    = "/" + storeDir + "/common/lightbox/jsp/
  DMFolderCreateSuccess.jsp";

// -----
// Library URLs
// -----

String LIBRARY_MANAGER_URL            = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_manager.jsp";
String LIBRARY_CONTENTS_URL           = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_view.jsp";
String LIBRARY_CREATE_URL             = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_create.jsp";
String LIBRARY_RENAME_URL             = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_rename.jsp";
String LIBRARY_MULTI_DELETE_URL       = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_multi_delete.jsp";
String LIBRARY_IMAGE_DETAILS_URL      = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_image_details.jsp";
String LIBRARY_IMAGE_UPLOAD_URL       = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_img_upload.jsp";
String LIBRARY_THUMBIMAGE_UPLOAD_URL  = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_thumbimg_upload.jsp";
String LIBRARY_THUMBIMAGE_CREATE_URL  = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_thumbimg_create.jsp";
String LIBRARY_UPLOAD_SUCCESS_URL     = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
  common/lightbox/jsp/DMLibrary_upload_success.jsp";
String LIBRARY_IMAGE_INFO_URL         = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
  lightbox/jsp/DMLibrary_image_info.jsp";

String LIBRARY_IMAGE_INFO_JSP         = "/" + storeDir + "/common/lightbox/jsp/
  DMLibrary_image_info.jsp";
String LIBRARY_MANAGER_JSP            = "/" + storeDir + "/common/lightbox/jsp/
  DMLibrary_manager.jsp";
String LIBRARY_CONTENTS_JSP           = "/" + storeDir + "/common/lightbox/jsp/
  DMLibrary_view.jsp";
String LIBRARY_CREATE_JSP             = "/" + storeDir + "/common/lightbox/jsp/
  DMLibrary_create.jsp";
String LIBRARY_RENAME_JSP             = "/" + storeDir + "/common/lightbox/jsp/
  DMLibrary_rename.jsp";
String LIBRARY_MULTI_DELETE_JSP       = "/" + storeDir + "/common/lightbox/jsp/

```

```

    DMLibrary_multi_delete.jsp";
String LIBRARY_IMAGE_DETAILS_JSP = "/" + storeDir + "/common/lightbox/jsp/
    DMLibrary_image_details.jsp";
String LIBRARY_IMAGE_UPLOAD_JSP = "/" + storeDir + "/common/lightbox/jsp/
    DMLibrary_img_upload.jsp";
String LIBRARY_THUMBIMAGE_UPLOAD_JSP = "/" + storeDir + "/common/lightbox/jsp/
    DMLibrary_thumbimg_upload.jsp";
String LIBRARY_THUMBIMAGE_CREATE_JSP = "/" + storeDir + "/common/lightbox/jsp/
    DMLibrary_thumbimg_create.jsp";
String LIBRARY_UPLOAD_SUCCESS_JSP = "/" + storeDir + "/common/lightbox/jsp/
    DMLibrary_upload_success.jsp";

// -----
// Library Commands
// -----

String LIBRARY_MULTI_DELETE_IMAGES_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    MultiDeleteLibraryImages";
String LIBRARY_MOVE_IMAGES_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    MoveImagesToAnotherLibrary";
String LIBRARY_UPDATE_NOTES_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    UpdateLibraryNotes";
String LIBRARY_IMAGE_UPDATE_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    UpdateLibraryImage";
String LIBRARY_CREATE_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    CreateLibrary";
String LIBRARY_RENAME_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    RenameLibrary";
String LIBRARY_MULTI_DELETE_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    MultiDeleteLibrary";
String LIBRARY_SEQUENCE_IMAGES_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    SequenceLibraryImages";
String LIBRARY_UPLOAD_FILE_CMD = MC_ROOT_RELATIVE_URL + "/wcdmservlet/
    UploadFile";

// -----
// Library Specific
// -----

String DEFAULT_LIBRARY = "Default";
String IMAGE_PREFIX = "/uploadedimages";

//-----
// Library URL Settings
//-----
String LIBRARY_UPLOAD_PATH = MEDIA_WCS_INSTALL_PATH + "\\\" + storeDir+ "\\common\\
    webobjects\\uploadedimages\\";
String LIBRARY_IMAGE_PATH = MEDIA_WCS_INSTALL_PATH + "\\imagepath\\";
String LIBRARY_THUMB_URL = "/webapp/wcs/stores/" + storeDir + "/common/
    webobjects/uploadedimages";
String THUMB_BACKGROUND = MEDIA_WCS_INSTALL_PATH + "\\\" + storeDir+ "\\common\\
    webobjects\\"
    + wcdmLocale+ "\\images\\" + "pdfthumb.jpg";

/*=====*/
/* Section for Digital Media Session Bridge */
/*=====*/
String SEARCH_SESSION_BRIDGE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/"
    common/lightbox/jsp/DMSearchSessionBridge.jsp";
String SEARCH_SESSION_BRIDGE_JSP = "/" + storeDir + "/common/
    lightbox/jsp/DMSearchSessionBridge.jsp";

String FOLDER_SESSION_BRIDGE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolderSessionBridge.jsp";
String FOLDER_SESSION_BRIDGE_JSP = "/" + storeDir + "/common/
    lightbox/jsp/DMFolderSessionBridge.jsp";

String FOLDER2_SESSION_BRIDGE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/
    lightbox/jsp/DMFolder2SessionBridge.jsp";
String FOLDER2_SESSION_BRIDGE_JSP = "/" + storeDir + "/common/
    lightbox/jsp/DMFolder2SessionBridge.jsp";

```

```
String BIN_SESSION_BRIDGE_URL = MC_ROOT_RELATIVE_URL + "/" + storeDir + "/common/  
  lightbox/jsp/DMBinSessionBridge.jsp";  
String BIN_SESSION_BRIDGE_JSP = "/" + storeDir + "/common/  
  lightbox/jsp/DMBinSessionBridge.jsp";  
  
String INSIDE_WCDM = "INSIDE_WCDM";  
  
%>
```

Appendix I. Sample digitalmedia.properties file

Note: THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE THESE SAMPLES. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

```
#-----#
# Websphere Commerce for DigitalMedia Properties #
# Common Properties file for all DigitalMedia stores #
# Database and Content Manager access #
# Database connection type and tables #
#-----#

#-----#
# Change the below for Database and Content Manager access properties #
#-----#

# Database URL. Same as WCS
WCDM.DATABASEURL=jdbc:db2:MALL
#WCDM.DATABASEURL=jdbc:oracle:thin:@wcora:1521:orcl

# Database Name. Same as WebSphere Commerce Database Name
WCDM.DATABASENAME=MALL
#WCDM.DATABASENAME=ORCL

# Database User.
WCDM.DATABASEUSER=wcs

# Database Password.
WCDM.DATABASEPASSWORD=wcs

# Library Server Type (DL | ICM)
WCDM.LIBRARYSERVERTYPE = ICM

# Library Server Name
WCDM.LIBRARYSERVERNAME = ICMNLSDB

# Text Server Name (CM7 only)
WCDM.TEXTSERVERNAME = TM

# Content Manager User
WCDM.CMUSER = WCDMP

# Content Manager Password
WCDM.CMPASSWORD = WCDMP

# Current Timestamp
# For DB2 change to CURRENT TIMESTAMP
# For Oracle change to SYSDATE
WCDM.CURRENTTIMESTAMP = CURRENT TIMESTAMP

#-----#
# Logging Messages #
# Trace, Error and Exception Logging #
# 0 = Error Messages logged (Recommended) #
# 1 = Error and Trace Messages logged #
# 2 = Error, Trace and Exception Messages logged #
# -1 = No Logging #
#-----#

WCDM.LOGGINGLEVEL=2

#-----#
# DigitalMedia Database Connection Type #
```

```

# For Oracle use the below values
#WCDM.DMDATASOURCE=jdbc/WebSphere Commerce Oracle DataSource demo
#WCDM.DMDBDRIVER=oracle.jdbc.driver.OracleDriver
#-----#
WCDM.DMDBCONNTYPE=DataSource
WCDM.DMDATASOURCE=jdbc/WebSphere Commerce DB2 DataSource demo
WCDM.DMDBDRIVER=COM.ibm.db2.jdbc.app.DB2Driver

#-----#
# DigitalMedia Library Upload Properties #
#-----#

#Starting Library Number
WCDM.LIBRARY_NUM_START = 2800

#Starting Image Number
WCDM.LIBRARY_IMG_NUM_START = 68000

#-----#
# DigitalMedia Usage Calculator Database Connection Type #
# For Oracle use the below values #
#WCDM.DMDATASOURCE=jdbc/WebSphere Commerce Oracle DataSource demo #
#WCDM.DMDBDRIVER=oracle.jdbc.driver.OracleDriver #
#-----#
WCDM.USAGEDBCONNTYPE=DataSource
WCDM.USAGEDBDRIVER=COM.ibm.db2.jdbc.app.DB2Driver
WCDM.USAGEDATASOURCE=jdbc/WebSphere Commerce DB2 DataSource demo

#-----#
# DigitalMedia Database Tables #
#-----#
WCDM.FOLDERTABLE=WCDMFOLDER
WCDM.FOLDERITEMTABLE=WCDMFOLDERITEM
WCDM.FOLDERSHARETABLE=WCDMFOLDERSHARE
WCDM.FOLDERCATALOGTABLE=WCDMFOLDERCATALOGVIEW
WCDM.ITEMCATALOGTABLE=WCDMITEMCATALOGVIEW
WCDM.EMAILTABLE=WCDMEMAIL
WCDM.USERCATALOGTABLE=WCDMUSERCATALOGVIEW
WCDM.QUERYTABLE = WCDMQUERYLOG

#-----#
# DigitalMedia Implementation Class Names #
# To use direct JDBC instead of sessionbean change the ManagerSessionBean #
# to ManagerDirectJDBC #
#-----#
WCDM.FOLDERMANAGERIMPL=com.ibm.commerce.digitalmedia.mediafolder.homes.LightboxManagerSessionBean
WCDM.USERMANAGERIMPL=com.ibm.commerce.digitalmedia.mediafolder.homes.UserManagerSessionBean
WCDM.EMAILMANAGERIMPL=com.ibm.commerce.digitalmedia.mediafolder.homes.EmailManagerSessionBean

#-----#
# DigitalMedia Usage Calculator Database Tables #
#-----#
WCDM.USAGETABLE=WCDMUSAGE
WCDM.USAGEANSWERS=WCDMUSAGEANSWERS
WCDM.USAGEDEFTABLE=WCDMUSAGEDEF
WCDM.USAGEPERCENTTABLE=WCDMUSAGEPERCENT
WCDM.USAGEQUESTIONSTABLE=WCDMUSAGEQUESTIONS

#-----#
# DigitalMedia UsageManager Implementation Class Name #
#-----#
WCDM.USAGEMANAGERIMPL=com.ibm.commerce.digitalmedia.usage.homes.UsageManagerSessionBean

#-----#
# Library Manager (Content Upload) Implementation Class Name #
#-----#
WCDM.LIBRARYMANAGERIMPL= com.ibm.commerce.digitalmedia.library.homes.LibraryManagerSessionBean
#WCDM.LIBRARYMANAGERIMPL=com.ibm.commerce.digitalmedia.library.homes.LibraryManagerDirectJDBC

#-----#
# Library Manager (Content Upload) Database Tables #
#-----#

```

```

WCDM.LIBRARYTABLE=WCDMLIBRARY
WCDM.LIBRARYITEMTABLE=WCDMLIBRARYITEM

#-----#
# Library Manager (Content Upload) Thumbnail Converter Class
#Set WCDM.LIBRARY_THUMBNAI_LASS_PARAM to blank to call myClass()
#or WCDM.LIBRARY_THUMBNAI_LASS_PARAM=foo to call myClass(foo)
#
# JIMIResize, JAIResize, JAVAResize, AdobeResize
#-----#
#example - WCDM.LIBRARY_THUMBNAI_LASS=com.ibm.commerce.digitalmedia.library.util.AdobeResize
#WCDM.LIBRARY_THUMBNAI_LASS_PARAM=<AdobeAltercastRoot>\Altercast.exe
WCDM.LIBRARY_THUMBNAI_LASS=com.ibm.commerce.digitalmedia.library.util.JavaResize
WCDM.LIBRARY_THUMBNAI_LASS_PARAM=
#-----#
# Cookie Domain Pattern -- Use ONLY in multi-server environment. Value used #
# to share cookies across servers with common domain (e.g. "ibmus2.ibm.com" #
# in servers "tmws39.ibmus2.ibm.com" and "mps08.ibmus2.ibm.com"). Specify #
# blank to assume default behavior (i.e. return cookie ONLY to the server #
# saving the cookie). #
# #
#
# References: RFC2109; Netscape Cookie Specification. #
# MC.cookieDomainPattern=.ibmus2.ibm.com #
#-----#
WCDM.COOKIEDOMAINPATTERN=

```

Appendix J. Sample dmstoretext_en_US.properties file

Note: THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE THESE SAMPLES. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

```
# IBM store translation text

ENCODESTATEMENT = text/html; charset=ISO_8859-1

#####
# header.jsp
#####
SHOPPING_CART = SHOPPING CART
MY_ACCOUNT = MY ACCOUNT
CONTACT_US = CONTACT US
HELP = HELP
SEARCH = SEARCH
HOME = Home
SEARCH_BY_CATEGORY = Search by Category:

#####
# footer.jsp
#####
SHOPPING_CART2 = Shopping cart
MY_ACCOUNT2 = My account
CONTACT_US2 = Contact us
HELP2 = Help
PRIVACY_POLICY = Privacy policy

#####
# changepassword.jsp
#####
CHANGE_PWORD_TITLE = Change Password
CHANGE_PWORD = Change password
PWORD_EXPIRED = Your current password has expired. Please enter a new password.
CURRENT_PWORD = Current password:
NEW_PWORD = New password:
ERROR_MESSAGE17 = Type your current password in the Current password field.
ERROR_MESSAGE18 = The password you entered is incorrect. Type your current
    password in the Current Password field and try again.

#####
# sidebar.jsp
#####
CHOOSE_COUNTRY = CHOOSE A LANGUAGE
CANADA = Canada
UNITED_STATES = United States
CHINA = China
FRANCE = France
GERMANY = Germany
ITALY = Italy
JAPAN = Japan
SPAIN = Spain
TURKEY = Turkey
SERVICES = SERVICES
REGISTER = Register
NOW_BUY = now and receive advance notice of promotions!
NEED_HELP = Need help?
JUST_ASK = Just ask!
FORGOT_PASSWORD = Forgot your password?
SAVE_LOGIN = Save Login:

# define additional variables
```

```

WELCOME = Welcome

#####
# account.jsp
#####
MYACCOUNT_TITLE = Address Book
LOGON_ID_INVALID = The e-mail address entered is invalid. Type another e-mail
address in the E-mail address field and try again.
PASSWORD_INCORRECT = The password entered is incorrect. Type your password in the
Password field and try again.
LOGIN_ID_MISSING = Type an e-mail address in the E-mail address field.
PASSWD_MISSING = Type a password in the Password field.
REGISTER_LOGIN = Register or Login
NEW_CUSTOMER = NEW CUSTOMER
RETURNING_CUSTOMER = RETURNING CUSTOMER
LIKE_REGISTER = If you would like to register, click the button below. Registering
gives you 24hr shopping privileges, a personal address book, and advance
notice on our promotions!
e-mail_ADDRESS2 = E-mail address:
PASSWORD2 = Password:
ACCOUNT_LOCKED = Due to {0} unsuccessful password attempts, you will be unable to logon.
Please contact a store representative to unlock your account.
WAIT_TO_LOGIN = Please wait a few seconds before attempting to log in again.

ACCOUNT_TITLE = IBM - My Account
MY_ACCOUNT3 = My account
PERSONAL_INFO = PERSONAL INFORMATION
ADDRESS_BOOK = ADDRESS BOOK
UPDATE_NAME = Need to update your name, e-mail address or password? Click the button below.
UPDATE_ADDRESS1= Need to update your address book? Add your contact names and
numbers to our easy to use address book!
WELCOME_TEXT = Welcome to IBM

#####
# define subscription.jsp variables
#####
SUBSCRIPTION = Subscription
SUBSCRIPTION_EXPIRED = Your subscription has expired.
SUBSCRIPTION_EXPIRED_ON = Your subscription has expired on
SUBSCRIPTION_HAS = Your subscription has
SUBSCRIPTION_WILL_EXPIRE = Your subscription will expire on
SUBSCRIPTION_SELECT = Please select
SUBSCRIPTION = Subscribe
SUBSCRIPTION_TEXT = if you want to subscribe with
DATE_FORMAT = "yyyy-MM-dd"
SUBSCRIPTION_MEDIA = digital media left
SUBSCRIPTION_SETUP = To set up a new subscription, fill in the required fields below
and then select Submit at the bottom of the form. For assistance, please contact
customer service at 1-866-4IBM.
USERNAME = Username:
SUBSCRIPTION_HEADER = New Subscription
SUBSCRIBE_NOW = Would like to subscribe now
SUBSCRIBE_PACKAGE = Subscribe for Package
SUBSCRIBE_DURATION = Subscribe for the Duration
SUBSCRIBE_COM = Subscription Package
SUBSCRIBE_LATER = If you wish to subscribe later, select the OK button.

ERROR_CODE = Error Code:
REGISTRATION_UPDATE = Registration Update

#####
# address.jsp
#####
ADDRESS_TITLE = IBM- Add New Address
ERROR_MESSAGE1 = Sorry, you must fill in Nick Name field.
ERROR_MESSAGE2 = Sorry, the nick name you input already exists, please enter a
different one.
ERROR_MESSAGE3 = Type a name in the Last name field.
ERROR_MESSAGE4 = Type an address in the Street address field.
ERROR_MESSAGE5 = Type a city name in the City field.
ERROR_MESSAGE6 = Type a state name in the State field.

```

ERROR_MESSAGE7 = Type a county name in the Country field.
 ERROR_MESSAGE8 = Type a ZIP or postal code in the ZIP code/Postal code field.
 ERROR_MESSAGE9 = Data not entered for all the required fields. Please enter required data and resubmit
 EXCEPTION = Bad address reference number
 UPDATE_ADDRESS2 = Update address
 ADD_ADDRESS = Add address
 SHIPPING_ADDRESS = This address can be used as your shipping or billing address when checking out.
 REQUIRED_FIELDS = * required fields
 FIRST_NAME = First name:
 LAST_NAME = Last name:
 STREET_ADDRESS = Street address:
 CITY = City:
 STATE_PROVINCE = State/Province:
 ZIP_CODE = ZIP code/Postal code:
 COUNTRY = Country:
 PHONE_NUMBER = Phone number
 PHONE_FORMAT = (xxx-xxx-xxxx):
 INFO_MESSAGE0 = First name is required.
 INFO_MESSAGE1 = Last name is required.
 INFO_MESSAGE2 = Last name is limited to 128 characters.
 INFO_MESSAGE3 = e-mail address is limited to 256 characters.
 INFO_MESSAGE4 = Invalid e-mail address.
 INFO_MESSAGE5 = Please enter address line1.
 INFO_MESSAGE6 = Address lines are limited to 50 characters.
 INFO_MESSAGE7 = Please enter a city.
 INFO_MESSAGE8 = City is limited to 128 characters.
 INFO_MESSAGE9 = Please enter a zip code.
 INFO_MESSAGE10 = Zip code is limited to 40 characters.
 INFO_MESSAGE11 = Please include a state or province.
 INFO_MESSAGE12 = Please select a country
 INFO_MESSAGE13 = These addresses can be used for both shipping and billing during checkout.
 For more help using the Product Cart, please click on
 INFO_MESSAGE14 = First name is limited to 128 characters.
 INFO_MESSAGE15 = Please enter a valid phone number.
 INFO_MESSAGE16 = Phone number is limited to 32 characters.
 INFO_MESSAGE17 = Enter a password and confirm it.
 INFO_MESSAGE18 = Your passwords do not match.
 INFO_MESSAGE19 = Please accept the terms and conditions before submitting.
 INFO_MESSAGE20 = or specify that it is not applicable.
 INFO_MESSAGE21 = Logon password is limited to 128 characters
 INFO_MESSAGE22 = Just fill in the changes as well as the required fields below
 and then click Submit at the bottom of the form. For assistance, please contact customer service at 1-866-4IBM.
 INFO_MESSAGE23 = Please enter a valid e-mail address
 ORDER_HELP = Order Help
 ORDER_CONFIRMATION = Order Confirmation
 OPTION_SELECT = Please select one:
 NOT_APPLICABLE = Not Applicable
 NON_SELECTION = (none selected)
 US = United States
 TO_DOWNLOAD = To download your ordered clips:
 VIEW_ORDER_SUMMARY = On this page you can download your clips and view a summary of your order.
 REVIEW_ORDER = Please review your order and provide Payment Information below. Selecting the INITIATE_ORDER = initiates the order and produces an
 ORDER_PROCESSED = The request has already been processed. Please send another request instead of resubmitting this one.
 SELECT_SHIPPING_METHOD = Select a Shipping Method by clicking the appropriate radio button below. Once you have selected a Shipping Method, click the
 REVIEW_ORDER2 = Please review your order. Selecting the

#=====
 #addressbook.jsp
 #=====
 ADDRESSBOOK_TITLE = IBM - Address Book
 ADDRESS_BOOK1 = Address book
 SHIPPING_ADDRESS3 = These addresses can be used for both shipping and billing during checkout.
 ADDRESSBOOK_MESSAGE1 = Are you sure you want to delete the address?
 #=====

```

# edit_registration.jsp
#=====
ERROR_MESSAGE10 = Type an user name in the user name field.
ERROR_MESSAGE11 = The user name you entered already exists. Type a different username
    and try again.
ERROR_MESSAGE12 = Type your password in the Password field.
ERROR_MESSAGE13 = Type your password in the Verify Password field.
ERROR_MESSAGE14 = The verify password you entered did not match your password. Type
    your password in the Verify Password field and try again.
ERROR_MESSAGE15 = Type a name in the Last name field.
ERROR_MESSAGE16 = Type your password in the Verify Password field.
PASS_ERROR_MESSAGE1 = You entered a password with less than {0} characters.
    Passwords must be at least {0} characters in length, and include {1} digit(s)
    and {2} letter(s). Please re-enter your password.
PASS_ERROR_MESSAGE2 = Your password does not contain {1} digit(s). Passwords must
    be at least {0} characters in length, and include {1} digit(s) and {2} letter(s).
    Please re-enter your password.
PASS_ERROR_MESSAGE3 = Your password does not contain {2} letter(s). Passwords must be at
    least {0} characters in length, and include {1} digit(s) and {2} letter(s).
    Please re-enter your password.
PASS_ERROR_MESSAGE4 = Your password is the same as your user-id. Please assure that
    your user-id and password are different.
PASS_ERROR_MESSAGE5 = Your new password is the same as the previous one.
    Please enter a new password, or choose
    'Account' on the menu bar to return to your account page.
PASS_ERROR_MESSAGE6 = A character in your password occurs more consecutively
    than the allowed limit of {0}. Please re-enter your password.
PASS_ERROR_MESSAGE7 = A character in your password occurs more than the allowed limit of {0}.
    Please re-enter your password.

ERROR_MESSAGE17 = The e-mail address that you entered is in use by another user.
    Please enter another e-mail address.
REGISTER_TITLE = IBM - Register
CHANGE_PERSONAL_INFO = Change personal information
NEED_CHANGE_INFO = Just type in your new data below and submit the changes:
NEED_CHANGE_NAME = Need to change your name? Type your new name below:
FRIST_NAME1 = First name:
LAST_NAME1 = Last name:
NEED_CHANGE_e-mail = Need to change your e-mail address? Type your new address below:
e-mail = E-mail:
ENTER_e-mail = Please enter an e-mail address.
WANT_CHANGE_PASS = Want to change your password? Type your new password twice below:
PASSWORD = Password:
VERIFY_PASSWORD = Verify password:
COUNTRY_SELECTION = Select a country for the country field
ADDRESS_LINE1 = Address Line 1:
ADDRESS_LINE2 = Address Line 2:
AGREE_TO = I agree to the
REGISTER_INFO = To set up a new account, fill in the required fields below and then
    select the Submit button at the bottom of the form. For assistance, please contact customer
    service at 1-866-4IBM.

#=====
# forgetpassword_err.jsp
#=====
# forgetpassword.jsp
#=====
THE = The
PARA_MISSING = parameter is missing
ERROR_MESSAGE20 = Type a username in the username field.
ERROR_MESSAGE21 = We do not have a record of a registered customer with that username.
    Enter another username and try again.
ERROR_MESSAGE22 = This user does not have an e-mail address.
FORGET_PASS_TITLE = IBM - Forget Password?
FORGOT_PASS = Forgot your password?
DONOT_PASS = If you do not have a password,
SETUP_ACCOUNT = to set up a new account (it's free).
ENTER_e-mail = Type your e-mail address in the field below to receive your password
    via e-mail:
e-mail_ADDRESS = E-mail address:
ENTER_USERNAME = Enter your Username in the field below then click the Send Password button.

```


Your password will be sent to the e-mail address given in your user registration.
FORGOT_PASS_SUBMIT = Send Password

```
#####  
# index.jsp  
#####  
INDEX_TITLE = IBM  
IMAGE_ALT1 = Check out this month's best-selling products:  
DETAILS = Details  
#mens.jsp  
MENS_TITLE = IBM  
FEATURED_SPECIAL = FEATURED SPECIAL!  
  
#####  
# mens_jeans.jsp  
#####  
MEANS_JEANS_TITLE = IBM  
  
#####  
# mens_jeans_relax.jsp  
#####  
MEANS_JEANS_RELAX_TITLE = IBM  
JEANS = Jeans  
  
#####  
# mens_jeans_relaxed_item.jsp  
#####  
MEANS_JEANS_RELAXED_ITEM_TITLE = IBM  
  
#####  
# myaccount.jsp  
#####  
MYACCOUNT_TITLE = IBM - Address Book  
LOGON_ID_INVALID = The username entered is invalid. Type another username in the  
Username field and try again.  
PASSWORD_INCORRECT = The password entered is incorrect. Type your password in the  
Password field and try again.  
LOGIN_ID_MISSING = Type an username in the Username field.  
PASSWD_MISSING = Type a password in the Password field.  
REGISTER_LOGIN = Register or Login  
NEW_CUSTOMER = NEW CUSTOMER  
RETURNING_CUSTOMER = RETURNING CUSTOMER  
LIKE_REGISTER = If you would like to register, click the button below. Registering gives  
you 24hr shopping privileges, a personal address book, and advance notice on our promotions!  
e-mail_ADDRESS2 = E-mail address:  
PASSWORD2 = Password:  
LOGON_FAILED = Logon Failed  
  
#####  
# OrderDisplayPending.jsp  
#####  
ORDER_TITLE = IBM - Order Summary  
CHECKOUT = Checkout  
ORDER_SUMMARY = 4. Order summary  
ORDER_SUM = Order Summary  
STEP_4_4 = Step 4 of 4  
STEP_3_3 = Step 3 of 3  
ORDER3_SUMMARY = 3. Order summary  
REQUIRED_FIELDS2 = = required fields  
QTY = Qty  
ITEM = Item  
EACH = Each  
TOTAL = Total  
ORDERITEMACCESSBEAN_NULL = orderItemAccessBean is null  
SUBTOTAL1 = Subtotal:  
DISCOUNT1 = Discount:  
TAX2 =Tax:  
SHIPPING2 = Shipping  
SHIPPING_MODE = Shipping & Handling:  
GRAND_TOTAL2 = Grand Total:  
SHIPPING_ADDRESS2 = Shipping Address
```

CREDIT_CARD_INFO = Credit Card Information
CREDIT_CARD_TYPE = Credit Card Type:
VISA = Visa
MASTERCARD = MasterCard
AMERICAN_EXPRESS = American Express
SAFE_GUARANTEE = Safe Shopping at IBM Royalty Free
GUARANTEE_STATEMENT = At IBM we use the industry standard Secure Sockets Layer
technology to encrypt your order information. As a result, any information you
enter online is protected, and will not be used by anyone other than IBM.
GUARANTEE_STATEMENT2 = And, if you prefer, you may place your order by phone.
Please call 1-800-866-4IBM.
PRIVACY_POLICY2 = Privacy Policy
PRIVACY_POLICY3 =
PHONE_FAX = phone or fax.
PHONE_FAX2 =
CHECK_OUT_OUR = Check out our
CARD_NUMBER = Card Number:
EXPIRATION_MONTH = Expiration Month:
EXPIRATION_YEAR = Expiration Year:
BILLING_INFO = Billing Information
SPECIFY_BILLING_ADDRESS = Please specify the billing address for this credit card:
FIRST_NAME2 = First name:
LAST_NAME2 = Last name:
STREET_ADDRESS2 = Street address:
CITY2 = City:
STATE_PROVINCE2 = State/Province:
ZIP_CODE2 = ZIP code/Postal code:
COUNTRY2 = Country:
PHONE_NUMBER2 = Phone number:
ORDER_NOW = Order Now
CHECKOUT_OPTION = Choose one of the below options to continue the checkout process.

#####

password.jsp

#####

PASSWORD_TITLE = IBM - Password
PASSWORD_SENT = Your password has been sent to you.
CONTINUE_LOGIN = Continue to login page
PASSWORD_HINT = Hint for Password:

#####

passwordNotify.jsp

#####

NEW_PASSWORD_GENERATION = System has successfully generated a new password
PROBLEM_SENDING_PASSWORD = There was a problem sending the new password, please
contact the administrator.
PASSWORD_NOTIFY1 = Password for the shopper
PASSWORD_NOTIFY2 = has been reset to
PASSWORD_NOTIFY3 = Please use this password to login next time. You can change the
password from the \"Account\" page.
EXCEPTION = Exception

#####

register.jsp

#####

ERROR_MESSAGE47 = Type a Username that you will use to login in the future.
ERROR_MESSAGE48 = User name is limited to 254 characters
ERROR_MESSAGE49 - Invalid character in User Name

ERROR_MESSAGE40 = Type an user name in the user name field.
ERROR_MESSAGE41 = The user name you entered already exists. Type a different username
and try again.
ERROR_MESSAGE42 = Type your password in Password field.
ERROR_MESSAGE43 = Type your password in the Verify Password field.
ERROR_MESSAGE44 =The verify password you entered did not match your password. Type
your password in the Verify Password field and try again.
ERROR_MESSAGE45 = Type a name in the Last name field.
ERROR_MESSAGE46 = Type your password in the Verify Password field.
PASS_ERROR_MESSAGE21 = You entered a password with less than {0} characters.
Passwords must be at least {0}
characters in length, and include {1} digit(s) and {2} letter(s).
Please re-enter your password.

PASS_ERROR_MESSAGE22 = Your password does not contain {1} digit(s). Passwords must be at least {0} characters in length, and include {1} digit(s) and {2} letter(s). Please re-enter your password.
 PASS_ERROR_MESSAGE23 = Your password does not contain {2} letter(s). Passwords must be at least {0} characters in length, and include {1} digit(s) and {2} letter(s). Please re-enter your password.
 PASS_ERROR_MESSAGE24 = Your password is the same as your user-id. Please assure that your user-id and password are different.
 PASS_ERROR_MESSAGE25 = Your new password is the same as the previous one. Please enter a new password, or choose 'Account' on the menu bar to return to your account page.
 PASS_ERROR_MESSAGE26 = A character in your password occurs more consecutively than the allowed limit of {0}. Please re-enter your password.
 PASS_ERROR_MESSAGE27 = A character in your password occurs more than the allowed limit of {0}. Please re-enter your password.
 REGISTRATION = Registration
 REQUIRED_FIELDS3 = = required fields
 e-mail2 = E-mail:
 PASSWORD3 = Password:
 VERIFY_PASSWORD3 = Verify password:
 FIRST_NAME3 = First name:
 LAST_NAME3 = Last name:

CUST_LOGON_ID = Customer Logon ID:
 TITLE = Title:
 REGISTER_NEW = Register New

#=====

billingaddress.jsp

#=====

BILLADDRESS_TITLE = IBM - Select Billing Address
 CHOOSE_BILL_ADDRESS = 1. Select billing address
 ADD_BILL_ADDRESS = 1. Add billing address
 STEP_1_4 = (Step 1 of 4)
 CREATE_NEW_ADDRESS = Create new address
 NEXT_BUTTON = Next Button
 PROCEED_TO = to proceed to the
 ERROR_MESSAGE50 = Sorry, you must fill in Nick Name field.
 ERROR_MESSAGE51 = Sorry, the nick name you input already exists, please enter a different one.
 ERROR_MESSAGE52 = Type a name in the Last name field..
 ERROR_MESSAGE53 = Type an address in the Street address field.
 ERROR_MESSAGE54 = Type a city name in the City field.
 ERROR_MESSAGE55 = Type a state name in the State field.
 ERROR_MESSAGE56 = Type a county name in the Country field.
 ERROR_MESSAGE57 =Type a ZIP or postal code in the ZIP code/Postal code field.
 INFO_MESSAGE50 = Select a billing address by selecting the appropriate radio button below. Create a new address by selecting the
 INFO_MESSAGE51 = Once you have selected a Billing Address, select the
 INFO_MESSAGE52 = For more help using the Product Cart, please select
 LINK = link.
 LINKS = links.
 PAGE = page.
 CONSTRUCTION_PAGE = Page Under Construction.
 NO_SHIPPING_TO_PO_BOXES = Please note that Federal Express does not ship to PO Boxes.
 REQUIRED_FIELDS4 = = required fields
 FIRST_NAME4 = First name:
 LAST_NAME4 = Last name:
 STREET_ADDRESS4 = Street address:
 CITY4 = City:
 STATE_PROVINCE4 = State/Province:
 ZIP_CODE4 = ZIP code/Postal code:
 COUNTRY4 = Country:
 PHONE_NUMBER4 = Phone number:
 REMEMBER_ME = Remember my name and password
 PRODUCER = Producer
 EXECUTIVE_PRODUCER = Executive Producer
 PRODUCTION_ASST = Production Assistant
 FREELANCER = Freelancer
 RESEARCHER = Researcher
 EDITOR = Editor
 CREATIVE_DIRECTOR = Creative Director

ART_DIRECTOR = Art Director
 ART_BUYER = Art Buyer
 MARKETING_MANAGER = Marketing Manager
 BUSINESS_MANAGER = Business Manager
 STUDIO_LIBRARIAN = Studio Librarian
 CLEARANCE_COORDINATOR = Clearance Coordinator
 OTHER = Other
 OTHER_TITLE = If other, please specify:
 COMPANY = Company type:
 AD_AGENCY = AD Agency
 COMMERCIAL_PROD_HOUSE = Commercial Production House
 CONSUMER = Consumer
 CORP_PROD_HOUSE = Corporate Production House
 EDIT_POST_HOUSE = Edit/Post House
 DOCU_PROD_COM = Feature/Documentary/Production Company
 INTERNET_COM = Internet Company
 MULTI_GAME_COM = Multimedia and Game Company
 MUSIC_VIDEO_PROD_COM = Music Video Production Company
 BROADCAST_TV = Network/Cable/Broadcast/Public TV
 PUBLISH_DES_COM = Publishing/Design Company
 SPORT_ENTERT = Sports/Entertainment
 STOCK_FOOTAGE_COM = Stock Footage Company
 TV_FILM_PROD_COM = TV/Film Production Company
 MEDIA_ENTER = Media & Entertainment
 CORPORATE = Corporate
 DIGI_BETA = Digi-Beta
 BETA = Beta
 THREE_BY_FOUR = 3/4
 VHS = VHS
 CD = CD
 WEB_DOWNLOAD = Web Download
 CONNECTION_SPEED = What connection speed do you have?
 DONT_KNOW = Don't know
 DIAL_UP = 56K Dial Up
 ISDN = ISDN
 DSL_CABLE = DSL/Cable
 T_ONE = T1 or higher
 ADVERTISE = Advertising
 DIR_MARKET = Direct Marketing
 WEB = Web
 PRESS_RELEASE = Press Release/Article
 TRADE_SHOW = Trade Show
 REFERRAL = Referral
 PROJECT_DURATION = How often do you work on projects requiring stock footage?
 WEEKLY = Weekly
 MONTHLY = Monthly
 TWO_SIX_YEAR = 2-6 times a year
 ONE_TWO_YEAR = 1-2 times a year
 LESS_THAN_ONCE = Less than once a year
 ANIMAL_WILDLIFE = Animals and Wildlife
 ARCH_DESIGN = Architecture and Design
 ARTS_ENTER = Arts and Entertainment
 NEWS_FOOTAGE = Contemporary News and Reality Footage
 NATURE_SCE = Environment, Nature and Scenics
 GEOG_TRAVEL = Geography and Travel
 HISTORICAL = Historical
 SPEC_EFFECTS = Special Effects
 MEDICAL = Medical
 MIL_GOV = Military, Government and Law
 PEOPLE_LIFE = People and Lifestyles
 SCI_TECH = Science and Technology
 SEN_ATT = Sentiments and Attitudes
 SPORTS_REC = Sports and Recreation
 TRANSPORTATION = Transportation
 VISUAL_STYLES = Visual Styles
 NEW_INFO = Please send me information regarding new collections
 DONT_SEND_INFO = Please DO NOT send me information regarding new collections
 SEND_HTML = Please send me HTML version of IBM company newsletter
 ASCI_LETTER = Please send me ASCII text version of IBM company newsletter
 INDUSTRY_SECTOR = Industry Sector:
 DELIVERY_FORMAT = What delivery format do you prefer?
 HEAR_ABOUT = How did you hear about us?

CAT_STOCK_FOOTAGE = What categories of stock footage are you most interested in?
 ANY_NEW_FEATURES = Are there other features you would like to see on our website?
 DOWNLOADADDRESS_FIRSTNAME=Download
 DOWNLOADADDRESS_LASTNAME=Only
 DOWNLOADADDRESS_NICKNAME=download
 DOWNLOADADDRESS_ADDRESS1=No Shipping Address.

```

#####
# shipaddress.jsp
#####
SHIPADDRESS_TITLE = IBM - Select Shipping Address
ORDER_ITEM_IS_NULL = orderItemAccessBean is null for order_rn =
ORDER_ITEM_IS_NULL2 =
CHECKOUT2 = Checkout
CHOOSE_SHIP_ADDRESS = 2. Select shipping address
ADD_SHIP_ADDRESS = 2. Add shipping address
CHOOSE1_SHIP_ADDRESS = 1. Select shipping address
ADD1_SHIP_ADDRESS = 1. Add shipping address
STEP_2_4 = Step 2 of 4
STEP_1_3 = Step 1 of 3
SHIP_ADDRESS = Shipping Address
NEW_SHIPPING_ADDRESS = New Shipping Address
INFO_MESSAGE60 = Select a Shipping Address by selecting the appropriate radio button below.
  Create a new address by selecting the
INFO_MESSAGE61 = Once you have selected a Shipping Address, click the
#shipping.jsp
SHIPPING_TITLE = IBM- Select Shipping Method
CHECKOUT3 = Checkout
CHOOSE_SHIP_METHOD = 3. Select shipping method
CHOOSE2_SHIP_METHOD = 2. Select shipping method
STEP_3_4 = (Step 3 of 4)
STEP_2_3 = (Step 2 of 3)
WITHIN_US = Available shipping methods
DELIVERY_TIME = Delivery time
POST_XPRESSPOST = Express mail:
CDN_PER_ORDER_2.75 = CDN$2.75 per order plus CDN$0.75 for each item
DAYS_3 = 1-3 days
PRIORITY_COURIER = Courier:
CDN_PER_ORDER_20.00 = CDN$20.00 per order plus CDN$1.00 for each item
DAYS_2 = 1-2 days
TO_US = Orders Shipped to the US
CAN_POST_US_MAIL =Regular mail:
CDN_PER_ORDER_5.00 = CDN$5.00 per order plus CDN$1.00 for each item
DAYS_21 = 2-3 weeks
CAN_POST_SKY_US = Express mail:
CDN_PER_ORDER_15.00 = CDN$15.00 per order plus CDN$5.00 for each item
INTERNATIONAL =International Orders
CAN_POST_INTER = International mail:
CDN_PER_ORDER_16 = CDN$15.00 per order plus CDN$1.00 for each item
DAYS_35 = 4-5 weeks
CAN_POST_SKY_INTL = Express mail international:
CDN_PER_ORDER_30.00 = CDN$20.00 per order plus CDN$10.00 for each item
DAYS_7 = 1-7 days
SHIP_METHOD = Shipping Method
USERNAME = User Name:
SELECT_IMAGE_RESOLUTION = Select Image Resolution

#####
# shoppingcart.jsp
#####
SHOPPINGCART_TITLE = IBM - Shopping Cart
SHOPPING_CART3 = Shopping cart
CART_CONTAINS = Your cart contains:
CATID1 = Image ID
QTY1 = Qty
ITEM1 = Item
EACH1 = Each
Total1 = Total
REMOVE_ITEM = Remove
SUBTOTAL2 = Subtotal:
UPDATE_TOTALS = Update totals

```

```

DELETE_ITEMS = Delete Checked Items
CART_EMPTY = Your cart is empty!
RETURN_SHOPPING = Return to shopping cart
SUBSCRIPTION_LESS = The no of images ordered is more than the subscribed images.
    Checkout process is without subscription.
SUBSCRIPTION_CHECKOUT = You will be using the subscription package checkout process.
VIEW_DETAILS = View Details
ERROR_CART = Error in image cart
PLEASE_NOTE = Please Note:
PRICE_REPRICE_IMAGE = Price/Reprice Image

#=====
# contact.jsp
#=====
CONTACT_TITLE = Contact Information
CONTACT_US3 = Contact Us
CON_PHONE = Phone:
CON_FAX = Fax:
CON_e-mail = E-mail:

#=====
# help.jsp
#=====
HELP_TITLE = Help
HELP3 = Help
QUESTION1 = How do I order?
QUESTION2 = How can I pay?
QUESTION3 = Is it safe to use my credit card?
QUESTION4 = What about your returns policy?
QUESTION5 = How do I track my order?
QUESTION6 = How to I contact customer service?
ANSWER1 = It's easy to order at IBM.  If this is your first time buying something,
    you'll want to place items in your shopping cart and proceed to checkout using
    our order form.  You will be asked for your e-mail address and a password to
    register yourself as a shopper (don't worry - it's free).  This way,
    the next time you come and shop with us, we will have your information already
    stored, and there'll be no need to input it again.
ANSWER2 = We accept Visa, MasterCard, or American Express.  When you are checking
    out, you will be prompted to enter your credit card number for payment.
ANSWER3 = We guarantee that every transaction you make at IBM will be 100 percent
    safe.  This means you pay nothing if unauthorized charges are made to your card as
    a result of shopping at IBM.  If you feel more comfortable, you may enter only your
    card's last five digits and its expiration date.  Once you have fully submitted your
    order, you may phone in the rest of your card number.
ANSWER4 = Within 30 days of receipt of your order, you may return any item of clothing in its
    original condition with all tags still attached for a full refund.  Please note that
    we can process returns and refunds only for items purchased from IBM.
ANSWER5 = You can review the status of any order you have placed at IBM simply by
    clicking the account link at the top right of every page.  From there, you will be
    able to view or modify any order that has yet to enter the shipping process.
ANSWER6 = To ask a question or share a comment, e-mail us at info@IBM.com.  We return most
    e-mails within 24 hours.
    Or, call our Customer Service Department at 1-800-FASHION (1-800-327-4466).  We are
    open 24 hours a day, 7 days a week.

#=====
# privacy.jsp
#=====
PRIVACY_TITLE = Privacy Policy
PRI_BOLD0 = Personal information
PRI_STAT = IBM respects your privacy.  In general, you can visit IBM on the Web
    without telling us who you are \or revealing any information about yourself.  There are
    times, however, when we may need information from you, such as your\
    full name, home address, e-mail address and phone number.  It is our intent to let
    you know before we collect personal information \
    from you on the Internet.
PRI_STAT1 = If you choose to give us personal information via the Internet that we may need
    to correspond with you or process an order, \
    it is our intent to let you know how we will use this information.  If you tell us that
    you do not wish to have this information used as \
    a basis for further contact with you, we will respect your wishes.
PRI_STAT2 = Information collected by IBM is used internally by authorized \

```

```

IBM employees for three main purposes. First, we collect information to figure out how to
improve our site by seeing which areas, \
features and products are most popular. Second, we collect information in order to personalize
the site for our customers. For example, \
in the future, we may recommend products or features you may like based on what
you have liked in the past. Lastly, we keep track of the \
domains from which people visit us. We analyze this data for trends and
statistics, and then we discard it. We do not sell, rent, loan, or \
transfer any personal information regarding our customers to any unrelated third parties.
PRI_BOLD1 = Cookies \
PRI_STAT3 = There are various technologies, including one called "cookies", which can be used
to provide you with tailored information from \
a Web site. A cookie is an element of data that a Web site can send to your browser,
which may
then store it on your system. Some IBM \
pages use cookies or other technologies so that we can better serve you when you return
to our site.
For example, we use these cookie files \
to track your clicks as you go through the IBM Web site, to keep track of items you put
into your
shopping cart, to tell us whether you \
have visited IBM previously, and to help us determine whether you came to IBM from a
particular Internet link or banner advertisement. \
You can set your browser to notify you when you receive a cookie, giving you
the chance to decide whether to accept it.
PRI_IMPORTANT = Important:
DISCLAIMER = This privacy policy is meant for demonstration purposes only. You will need
to create a privacy policy that reflects your particular facts and circumstances. Please
consult your lawyer.

=====
# all buttons
=====
EDIT_ADD = Edit my address book
CHANGE_INFO = Change personal information
SUBMIT = Submit
LEARN_MORE = Learn more
ADD_NEW_ADDRESS = Add a new address
EDIT = Edit
DELETE = Delete
CLICK_HERE = click here
SEND_PASSWORD = Send me my password
DETAILS = Details
ADD_SHOPPING_CART = Add to Shopping Cart
LOGIN = Login
FORGOT_YOUR_PASSWORD = Forgot your password?
CONTINUE_LOGIN = Continue to login page
PREVIOUS = Previous
NEXT = Next
BUTTON = button
CANCEL = Cancel
CHECKOUT1 = Checkout

=====
# your privacy and statements
=====
YOUR_PRIVACY = Your Privacy at IBM Royalty Free
YOUR_PRIVACY2 = Your Privacy
PRIVACY_STATEMENT = IBM respects your privacy. We do not sell, rent, loan, or transfer any
personal information regarding our
customers to any unrelated third parties. See our privacy policy for more information.
PRIVACY_STATEMENT2 = Your privacy is important to IBM. This statement discloses the
information practices for IBM Web sites,
including what type of information is gathered and tracked, how the information is used,
and with whom the information is shared.

MORE_INFO = For more information, see our

=====
# confirmation.jsp
=====
CONFIRMATION_TITLE = IBM - Order Confirmation

```

ORDER_CONF = Order confirmation
 ORDER = Order Number:
 SUBTOTAL = Subtotal:
 TOTAL_TAX = Total tax:
 SHIPPING = Shipping:
 GRAND_TOTAL = Grand Total:
 RECEIPT = Please retain the above information as reference to your order.
 THANKS_SHOPPING = Thank you for shopping at IBM!
 PAYSTATUSPM TITLE = IBM - Pay Status
 STATUS_MESSAGE1 = No information is available for this order.
 STATUS_MESSAGE2 = Thank you for shopping at our store. Visit us again soon.
 STATUS_MESSAGE3 = Your card was successfully authorized. Thank you for shopping at
 IBM Royalty Free.
 STATUS_MESSAGE4 = Your order has been received and is being processed. Thank you for
 shopping at IBM Royalty Free.
 STATUS_MESSAGE5 = Your order has been received. Thank you for shopping at IBM Royalty Free.
 STATUS_MESSAGE6 = We're sorry, your card was not accepted. Please retry your order
 with another card.
 STATUS_MESSAGE7 = We were unable to complete your request due to technical problems.
 Reactivate the order and try again.
 Sorry for the inconvenience.
 STATUS_MESSAGE8 = Your order has been cancelled due to system action. Thank you for
 shopping at our store.
 STATUS_MESSAGE9 = Thank you for shopping at IBM Royalty Free. Visit us again soon.
 STATUS_MESSAGE10 = The order has already been processed. The system will redirect you
 to the welcome page.

=====
 # DoPaymentError.jsp
 =====
 DOPAYMENTERROR TITLE = IBM - Payment Error
 PMERROR_MESSAGE1 = Type the credit card number in the Credit card field.
 PMERROR_MESSAGE2 = A system problem occurred while processing your order.
 PMERROR_MESSAGE3 = The credit card number is not valid. Type the number of the credit card
 in the Credit card number
 field and try again.
 PMERROR_MESSAGE4 = The expiration date has passed. Re-enter the information using another
 credit card and try again.
 PMERROR_MESSAGE5 = An error occurred while processing payment
 PMERROR_RETURN = Return to the previous screen

=====
 # GenericErrorPage
 =====
 ERROR_TITLE = IBM is not available.
 ERROR_TEXT = The store is currently experiencing problems. Try again later.

=====
 # DOrderList.jsp
 =====
 MC_ORDER_HISTORY = Order History
 MC_ORDERS = Orders
 MC_VIEW = View:
 MC_PENDING_ORDERS = Pending Orders
 MC_SHIPPED_ORDERS = Shipped orders
 MC_COMPLETED_ORDERS = Completed orders
 MC_ALL_NON_PENDING_ORDERS = All Nonpending orders
 MC_ORDER_NUMBER = Order Number
 MC_ORDER_STATUS = Status
 MC_ORDER_PRICE = Total Price
 MC_NO_ORDERS = No Orders Found
 MC_PAYMENT_INITIATED = Payment Initiated
 MC_COMPLETED = Completed
 MC_CANCELLED = Cancelled
 MC_SHIPPED = Shipped
 MC_PENDING = Pending
 MC_NO_ORDER_LIST = Order details could not be found.
 PRICE = price
 PRICE1 = Price
 ORDER_HISTORY_PAGE = Order History Page
 ORDER_RETENTION = Please retain the information below as reference to your order.
 DESCRIPTION = Description

THUMBNAIL = Thumbnail
SPECS = Specs
DATE = Date:

DMOOrderDisplayCompleted.jsp
#####

MC_IMAGE_ID = Image ID
MC_ITEM_ID = Item ID
VIEW_SHIPPED = You can view shipped orders, completed orders, or all non-pending orders by selecting from the drop-down list below. For more help using the Product Cart, please select TAKE_SUMMARY = link in the table below which takes you to the SEVEN_DAY_EXPIRATION = You MUST download your order within 7 days of the purchase date. After 7 days, links to download your ordered clips will expire.
ONE_BOX_CHECKED = At least one box must be checked.
DOWNLOAD_BUTTON = Download

DOWNLOAD_LINKS = Select on the links below to download clips.
DOWNLOAD_EXPIRE1 = Your Order will be available for the Next
DOWNLOAD_EXPIRE2 = Days.
DOWNLOAD_EXPIRED = Your Order has Expired.
DOWNLOAD_CLIPS = Download clips:
DOWNLOAD_AND_VIEW = To download your orders and, view order status please go to the
DOWNLOAD_NOTAVA = The Order is not yet approved for downloading. Please visit after some time. If the order is not available for download within 1-2 days please call the customer support.

Misc. Constants
#####

CM_DOMAINNAME = mps08
PAGE_BLANK = This page has been intentionally left blank.
CATEGORY_SPACE_FOR_BROWSE = The space is available to insert the browsing categories of your site.
TITLE_SPACE = The space is available to insert information about titles on your sites.
SEARCH_INFO = The space is available to insert help information about the customized search facility of your site.
FOLDER_INFO = The space is available to insert help information about Folder functions of your site.
ORDER_INFO = The space is available to insert information about how to order media assets, pricing and contact your local office from your site.
ORDER_MEDIA_ASSETS = The space is available to insert information about how to order media assets from your site.
PRIV_INFO = The space is available to insert privacy information on your site.
REQ_MEDIA_ASSETS = The space is available to insert information about how to complete a request for the media assets.
TERMS_INFO = The space is available to insert terms and conditions about your site.
PRICING_INFO = The space is available to insert help information about pricing of media assets on your site.
MEDIA_FORMATS = The space is available to insert help information about format and specs of the media assets on your site.
SITE_CONTACT_INFO = The space is available to insert site contact information for your clients.
COM_INFO = The space is available to insert information about your company.
ROYALTY_INFO = The space is available to insert help information about New Royalty Free titles that are available on your site.
NEW_ASSETS = The space is available to insert help information about new digital media assets on your site.
LICENSE_ASSETS = The space is available to insert help information about licensing digital media assets that are available from your site.
HELP_INFO = The space is available to insert help information about your site.
FEEDBACK_INFO = The space is available to insert a form to allow customers to provide feedback about your site.
SITEMAP_INFO = The space is available to insert a site map of your site.
LEGAL_INFO = The space is available to insert legal information about your company and its digital media assets.
CLOSE_WINDOW = Close the window
MAKE_IT_EASY = Signing in allows you to request items, create a media folder, order

products and download media files.
 It's easy, free and there's no obligation of any kind.
 LOGIN_TO_SYSTEM = Login to the system.
 REGISTER_IBM = To register with IBM, please click the link.
 GO_CART = Go to Product Cart
 PURCHASE_CHECKOUT = Once you have priced your items you can purchase your choices
 through the checkout process. Selecting the
 ACTIVATE_CHECKOUT = activates the checkout process.
 PRODUCT_CART = Product Cart
 ON_THIS = on this

 # externalization for Months
 #####

JANUARY = January
 FEBRUARY = February
 MARCH = March
 APRIL = April
 MAY = May
 JUNE = June
 JULY = July
 AUGUST = August
 SEPTEMBER = September
 OCTOBER = October
 NOVEMBER = November
 DECEMBER = December

 # OrderDisplayQuestions.jsp
 #####

COMPLETE_AS_MANY = Please complete as many of the
 REP_REQUEST = The request will get sent to a sales representative, who will
 view the clips you have requested, and
 contact you shortly to finalize the request, or suggest further areas of interest.
 For more help requesting clips, please click on
 SEND_REQUEST_BUTTON = Send Request Button
 CLICK_BELOW = below as possible and then click the
 USAGE_QUESTIONS = Usage Questions
 COMPLETE_AS_MANY = Please complete as many of the

 # OrderPopUp.jsp
 #####

ORDER_PROCESSOR = Order Processor
 PROCESSING_REQUEST = Processing Request, please wait...
 NOT_REFRESHED_IN = if this page is not refreshed with 30 seconds please

 # productDisplay.jsp
 #####

PURCHASE_TITLE = To purchase this title:
 MEDIA_TYPE = Select a media type and format,
 ADD_TO_CART = then select the Add to Cart button
 INDIVIDUAL_CLIPS = To buy individual clips and titles,
 PLEASE = please
 REGISTER_NOW = register now.
 BROWSE_ALL = Broswe All Titles
 DEMO_FASHION_SAR = Demo Fashion Sar File
 ORDER_SUMMARY_CHECKOUT = Order Summary Checkout
 ORDER_SUMMARY_SUBSCRIPITON_CHECKOUT = Order Summary. Subscription Package Checkout

 # usagequestions.jsp
 #####

USAGEQUESTIONS_TITLE = IBM - Pricing:Usage Questions
 USAGEQUESTIONS_USAGEQUE = Usage Question
 USAGEQUESTIONS_OTHER = Other
 USAGEQUESTIONS_CALPRICE = Calculated Price
 USAGEQUESTIONS_NOTE = Note
 USAGEQUESTIONS_MULTI = To select multiple answers, press ctrl key on the keyboard and

```

select the answer.

USAGEQUESTIONSALL_TITLE = IBM - Price All:Usage Questions
USAGEQUESTIONSALL_TOTAL = Total Order Price
USAGEQUESTIONSALL_ITEMPRICE = Price for Item

#=====
# subscriptionquickcheckout.jsp
#=====
SUBSCRIPTIONQUICKCHECKOUT_TITLE = IBM- Quick CheckOut
SUBSCRIPTIONQUICKCHECKOUT_PROCESS = Processing Order..... Please wait while your Order
is being processed.

#=====
# DMCOMMON
#=====
DMCOMMON_TEXT1 = Error: The Page could not be displayed due to DigitalMedia Problems.
Please visit the site after
some time. If this problem persists, contact the system administrator(ibm@ibm.com).
DMCOMMON_TEXT2 = Media Folder Help
DMCOMMON_TEXT3 = The Store Id is InValid.
DMCOMMON_TEXT4 = The Catalog Id is InValid.
DMCOMMON_TEXT5 = The Language Id is InValid.
DMCOMMON_TEXT6 = The Media Folder Number is InValid.
DMCOMMON_TEXT7 = Error: No Connection to the Library Server. Please try again.
DMCOMMON_TEXT8 = Error: Connection to the Library Server is already used. Please try again.
DMCOMMON_TEXT9 = Go To Product Cart
DMCOMMON_TEXT10 = Go Back
DMCOMMON_TEXT11 = items found for keyword:
DMCOMMON_TEXT12 = Back to Search Results
DMCOMMON_TEXT13 = My Media Folders:
DMCOMMON_TEXT14 = View Media Folder
DMCOMMON_TEXT15 = Folder Manager
DMCOMMON_TEXT16 = Create New Folder
DMCOMMON_TEXT17 = View Low Res
DMCOMMON_TEXT18 = 100K
DMCOMMON_TEXT19 = 300K
DMCOMMON_TEXT20 = View Acrobat File
DMCOMMON_TEXT21 = Audio
DMCOMMON_TEXT22 = View Photoshop Image
DMCOMMON_TEXT23 = View HTML File
DMCOMMON_TEXT24 = View Word File
DMCOMMON_TEXT25 = View Text File
DMCOMMON_TEXT26 = Play:
DMCOMMON_TEXT27 = Price:
DMCOMMON_TEXT28 = Title:
DMCOMMON_TEXT29 = File Size:
DMCOMMON_TEXT30 = Image Size:
DMCOMMON_TEXT31 = Camera Element:
DMCOMMON_TEXT32 = Camera Speed:
DMCOMMON_TEXT33 = Era:
DMCOMMON_TEXT34 = Audio:
DMCOMMON_TEXT35 = Compression:
DMCOMMON_TEXT36 = Formats & Specs
DMCOMMON_TEXT37 = Previous
DMCOMMON_TEXT38 = Next
DMCOMMON_TEXT39 =

DMCOMMON_LOGMESSAGE1 = jspinit:Reading the properties file
DMCOMMON_LOGMESSAGE2 = jspinit:Connecting to library server using user password server
DMCOMMON_LOGMESSAGE3 = jspinit:Connected to Library Server
DMCOMMON_LOGMESSAGE4 = jspinit:DKException occured:
DMCOMMON_LOGMESSAGE5 = jspinit:Exception occured:
DMCOMMON_LOGMESSAGE6 = jspinit:Disconnected from the library server.
DMCOMMON_LOGMESSAGE7 = jspdestroy:Disconnecting from Library Server
DMCOMMON_LOGMESSAGE8 = jspdestroy:Disconnected from Library Server
DMCOMMON_LOGMESSAGE9 = jspdestroy:DKException occured:
DMCOMMON_LOGMESSAGE10 = jspdestroy:Exception occured:
DMCOMMON_LOGMESSAGE11 = DMSearchResult.jsp::

```

```

DMCOMMON_LOGMESSAGE12 = DMSearchDetail.jsp::
DMCOMMON_LOGMESSAGE13 = DMSearchResult.jsp::START:
DMCOMMON_LOGMESSAGE14 = DMSearchResult.jsp::END:
DMCOMMON_LOGMESSAGE15 = Retrieved the keywords and the Description.
DMCOMMON_LOGMESSAGE16 = Retrieving the Storyboard jar.
DMCOMMON_LOGMESSAGE17 = Retrieved the Storyboard jar.
DMCOMMON_LOGMESSAGE18 = The Storyboard jar already Exists.
DMCOMMON_LOGMESSAGE19 = Storyboard unjar:.
DMCOMMON_LOGMESSAGE20 = Exception occurred while doing storyboard unjar.
DMCOMMON_LOGMESSAGE21 = DMSearchPopUp.jsp::
DMCOMMON_LOGMESSAGE22 = Connecting to the Text Server
DMCOMMON_LOGMESSAGE23 = Connected to the Text Server
DMCOMMON_LOGMESSAGE24 = Retrieving the Low Resolution Part
DMCOMMON_LOGMESSAGE25 = Content Type is
DMCOMMON_LOGMESSAGE26 = Retrieved the Low Resolution Part
DMCOMMON_LOGMESSAGE27 = Disconnecting from the text server
DMCOMMON_LOGMESSAGE28 = Disconnected from the text server
DMCOMMON_LOGMESSAGE29 = DKException
DMCOMMON_LOGMESSAGE30 = Error: Connection to Text Server Failed.
DMCOMMON_LOGMESSAGE31 =

#=====
# DMHeader.inc
#=====
DMHEADER_TEXT1=DigitalMedia
DMHEADER_TEXT2=IBM Corporate
DMHEADER_TEXT3=IBM Photography
DMHEADER_TEXT4=Browse Categories
DMHEADER_TEXT5=Browse Titles
DMHEADER_TEXT6=Search Help
DMHEADER_TEXT7=Folders Help
DMHEADER_TEXT8=Order History
DMHEADER_TEXT9=How To Order
DMHEADER_TEXT10=Pricing
DMHEADER_TEXT11=Formats & Specs
DMHEADER_TEXT12=Call toll free 1-800-IBM-4-YOU

#=====
# DMSidebar.inc
#=====
DMSIDEBAR_TEXT1=Quick Search
DMSIDEBAR_TEXT2=Free Text
DMSIDEBAR_TEXT3=Boolean
DMSIDEBAR_TEXT4=Advanced
DMSIDEBAR_TEXT5=Help
DMSIDEBAR_TEXT6=Order
DMSIDEBAR_TEXT7=Product cart
DMSIDEBAR_TEXT8=Order History
DMSIDEBAR_TEXT9=Browse
DMSIDEBAR_TEXT10=Browse Categories
DMSIDEBAR_TEXT11=Browse CD Titles
DMSIDEBAR_TEXT12=Info
DMSIDEBAR_TEXT13=How to Order
DMSIDEBAR_TEXT14=Pricing
DMSIDEBAR_TEXT15=Specs
DMSIDEBAR_TEXT16=Licence Info

#=====
# DMFooter.inc
#=====
DMFOOTER_TEXT1=Copyright 2002-2003 IBM, Inc. All rights reserved.
DMFOOTER_TEXT2=Legal

#=====
# DMFolderManager.jsp
#=====
DMFOLDERMANAGER_TITLE = IBM: Media Folder Manager
DMFOLDERMANAGER_JS1 = Please select a sort order to reload
DMFOLDERMANAGER_JS2 = Are you sure you want to delete

DMFOLDERMANAGER_TEXT1 = Clicking the options in the list below allows you to View, e-mail,

```

Share, Rename, Copy, or Delete the Media Folder. You can view any Media Folder in the list by clicking on the Media Folder name. You can access this Media Folder Manager screen at any time by clicking the Media Folders link on the top navigation bar. For more help using Media Folders, click on

DMFOLDERMANAGER_TEXT3 = Sort Media Folders by:
DMFOLDERMANAGER_TEXT4 = [select a sort order]
DMFOLDERMANAGER_TEXT5 = Folder Name
DMFOLDERMANAGER_TEXT6 = Items
DMFOLDERMANAGER_TEXT7 = Date Modified
DMFOLDERMANAGER_TEXT8 = There are No Media Folders. Click the Create New Media Folder link.
DMFOLDERMANAGER_TEXT9 = View
DMFOLDERMANAGER_TEXT10 = e-mail
DMFOLDERMANAGER_TEXT11 = Copy
DMFOLDERMANAGER_TEXT12 = Share
DMFOLDERMANAGER_TEXT13 = Rename
DMFOLDERMANAGER_TEXT14 = Delete
DMFOLDERMANAGER_TEXT15 = Create New Media Folder
DMFOLDERMANAGER_TEXT16 = Delete Multiple Media Folders
DMFOLDERMANAGER_TEXT17 = Options

```

=====
# DMFolderCopy.jsp
=====
DMFOLDERCOPY_TITLE = IBM: Copy Media Folder
DMFOLDERCOPY_JS1 = Please enter a name for the new Media Folder to be created.
DMFOLDERCOPY_JS2 = Illegal Character (').
DMFOLDERCOPY_JS3 = Illegal Character (").
DMFOLDERCOPY_TEXT1 = Select the Media Folder you want to copy from the drop down list,
enter a name for the copy, and click the copy button. For more help using Media Folders,
click on
DMFOLDERCOPY_TEXT2 = Select A Media Folder to copy:
DMFOLDERCOPY_TEXT3 = Enter a new name for the new Media Folder:
DMFOLDERCOPY_TEXT4 = Copy

=====
# DMFolderCreate.jsp
=====
DMFOLDERCREATE_TITLE = IBM: Create Media Folder
DMFOLDERCREATE_JS1 = Please enter a name for the new Media Folder to be created.
DMFOLDERCREATE_JS2 = Illegal Character (').
DMFOLDERCREATE_JS3 = Illegal Character (").
DMFOLDERCREATE_TEXT1 = Enter a name for the new Media Folder:
DMFOLDERCREATE_TEXT2 = Create

=====
# DMFolderCreateSuccess.jsp
=====
DMFOLDERCREATESUCCESS_TITLE = IBM: Successfully Created Media Folder
DMFOLDERCREATESUCCESS_TEXT1 = Your Media Folder has been successfully created.
DMFOLDERCREATESUCCESS_TEXT2 = Return to Search Result
DMFOLDERCREATESUCCESS_TEXT3 = Return to Media Folder Manager

=====
# DMFoldere-mail.jsp
=====
DMFOLDERe-mail_TITLE = IBM: e-mail Media Folder
DMFOLDERe-mail_JS1 = Incorrect e-mail address.
DMFOLDERe-mail_JS2 = Please specify one or more e-mail addresses to send a URL of
your Media Folder to.
DMFOLDERe-mail_JS3 = Would you like to proceed with sending this e-mail?
DMFOLDERe-mail_TEXT1 = Media Folder -
DMFOLDERe-mail_TEXT2 = A standard message with a URL for viewing the contents of the
Media Folder
DMFOLDERe-mail_TEXT3 = will be sent with this e-mail. You can specify a personalized
message to be included in this
e-mail by typing it into the Message Field below. For more help using Media Folders,
click on
DMFOLDERe-mail_TEXT4 = To:
DMFOLDERe-mail_TEXT5 = (separate addresses with a comma)
DMFOLDERe-mail_TEXT6 = From:
DMFOLDERe-mail_TEXT7 = Subject:

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DMFOLDERe-mail_TEXT8 = Message
DMFOLDERe-mail_TEXT9 = (optional)
DMFOLDERe-mail_TEXT10 = Send
DMFOLDERe-mail_TEXT11 = Clear
DMFOLDERe-mail_e-mailMESSAGE = A media folder has been sent to you by [{0}].You can view
    this media folder by clicking
    on the following URL:\n\n{1}\n\n -----\n\n

#####
# DMFoldere-mailSuccess.jsp
#####
DMFOLDERe-mailSUCCESS_TITLE = IBM: Successfully E-mailed Media Folder
DMFOLDERe-mailSUCCESS_TEXT1 = You're e-mail has been sent!

#####
# DMFoldere-mailView.jsp
#####
DMFOLDERe-mailVIEW_TITLE = IBM: View E-mailed Media Folder
DMFOLDERe-mailVIEW_TEXT1 = Media Folder Notepad:
DMFOLDERe-mailVIEW_TEXT2 = Duration

#####
# DMFolderMultiDelete.jsp
#####
DMFOLDERMULTIDELETE_TITLE = IBM: Multi Delete Media Folder
DMFOLDERMULTIDELETE_JS1 = Please select one or more Media Folders to delete.
DMFOLDERMULTIDELETE_JS2 = Are you sure you want to delete the selected Media Folders?
DMFOLDERMULTIDELETE_TEXT1 = Select the checkboxes for the Media Folders you wish to
    delete and click the Delete
    Selected Boxes button. Note: Only owned Media Folders can be deleted. For more help using
    Media Folders, click on
DMFOLDERMULTIDELETE_TEXT2 = Sort Media Folders by:
DMFOLDERMULTIDELETE_TEXT3 = [select a sort order]
DMFOLDERMULTIDELETE_TEXT4 = Media Folder Name
DMFOLDERMULTIDELETE_TEXT5 = Items
DMFOLDERMULTIDELETE_TEXT6 = Date Modified
DMFOLDERMULTIDELETE_TEXT7 = Delete Selected Media Folders
DMFOLDERMULTIDELETE_TEXT8 = Reload

#####
# DMFolderRename.jsp
#####
DMFOLDERRENAME_TITLE = IBM: Rename Media Folder
DMFOLDERRENAME_JS1 = Please enter a new name for your Media Folder.
DMFOLDERRENAME_JS2 = Illegal Character (').
DMFOLDERRENAME_JS3 = Illegal Character (").
DMFOLDERRENAME_TEXT1 = Enter the new name in the field and click the Rename button.
    Note: Only owned Media Folders can be renamed. For more help using Media Folders, click on
DMFOLDERRENAME_TEXT2 = Select A Media Folder:
DMFOLDERRENAME_TEXT3 = Enter a new name for the new Media Folder:
DMFOLDERRENAME_TEXT4 = Rename

#####
# DMFolderShare.jsp
#####
DMFOLDERSHARE_TITLE = IBM: Share Media Folder
DMFOLDERSHARE_JS1 = Please enter a username to share your Media Folder with.
DMFOLDERSHARE_TEXT1 = Sharing will add a shadow copy of this Media Folder (including notes)
    to the recipient's
    Media Folder list. The recipient of the shared Media Folder will receive an e-mail
    notification that you have
    shared one of your Media Folders. Note: Only owned Media Folders can be shared.
    For more help using Media Folders, click on
DMFOLDERSHARE_TEXT2 = Select A Media Folder:
DMFOLDERSHARE_TEXT3 = Share with Username:
DMFOLDERSHARE_TEXT4 = Share
DMFOLDERSHARE_e-mailMESSAGE = A media folder [{0}] has been shared with you by [{1}].
    You can view the shared media
    folder in your media folder manager. Please login to \n\n{2}\n\n
DMFOLDERSHARE_e-mailSUBJECT = A Digital Media folder has been shared with you.

```

```

#####
# DMFolderShareSuccess.jsp
#####
DMFOLDERSHARESUCCESS_TITLE = IBM: Successfully Shared Media Folder
DMFOLDERSHARESUCCESS_TEXT1 = Your Media Folder has been successfully shared.
DMFOLDERSHARESUCCESS_TEXT2 = Return to Search Result
DMFOLDERSHARESUCCESS_TEXT3 = Return to Media Folder Manager

#####
# DMFolderView.jsp
#####
DMFOLDERVIEW_TITLE = IBM: View Media Folder
DMFOLDERVIEW_JS1 = Are you sure you want to delete the checked images from your Media Folder?
DMFOLDERVIEW_JS2 = Please use the checkboxes to delete or price images.
DMFOLDERVIEW_JS3 = You cannot copy an image from the current Media Folder to the same
Media Folder
DMFOLDERVIEW_JS4 = Please use the checkboxes to add images to another Media Folder.
DMFOLDERVIEW_JS5 = There should be more than 1 image to do sequencing
DMFOLDERVIEW_JS6 = Are you sure you want to remove image number
DMFOLDERVIEW_JS7 = from this Media Folder ?
DMFOLDERVIEW_JS8 = Please enter a Boolean operator between each word (AND, OR, NOT, AND NOT,
OR NOT).
DMFOLDERVIEW_JS9 = Please select filters and/or search method, and enter search terms before
clicking the search command
DMFOLDERVIEW_JS10 = This item is not available in low resolution, please order the high
resolution or the CD version.
DMFOLDERVIEW_JS11 = Are you sure you want to add the images to the shopping cart?
DMFOLDERVIEW_JS12 = Please use the checkboxes to add the images to the shopping cart.
DMFOLDERVIEW_JS13 = Do you want to add Low Resolution Images
DMFOLDERVIEW_JS14 = Are you sure you want to add the Low Resoltion images to the
shopping cart?
DMFOLDERVIEW_JS15 = Are you sure you want to add the High Resoltion images to the
shopping cart?
DMFOLDERVIEW_TEXT1 = Create Date:
DMFOLDERVIEW_TEXT2 = Modify Date:
DMFOLDERVIEW_TEXT3 = To e-mail, Share, Rename, Copy, Delete or Create a new Media
Folder, go to the
DMFOLDERVIEW_TEXT4 = Media Folder Manager
DMFOLDERVIEW_TEXT5 = For more help using Media Folders, click on
DMFOLDERVIEW_TEXT7 = Sametime
DMFOLDERVIEW_TEXT8 = Media Folder Notepad:
DMFOLDERVIEW_TEXT9 = Save Note
DMFOLDERVIEW_TEXT10 = Media Folder Options:
DMFOLDERVIEW_TEXT11 = Select all items
DMFOLDERVIEW_TEXT12 = Add selected items to another Media Folder
DMFOLDERVIEW_TEXT13 = Rearrange Media Order:
DMFOLDERVIEW_TEXT14 = Change the number in the box, then click
DMFOLDERVIEW_TEXT15 = Rearrange
DMFOLDERVIEW_TEXT16 = select
DMFOLDERVIEW_TEXT17 = Print Preview
DMFOLDERVIEW_TEXT18 = Print Page

#####
# DMSearchBrowseCat.jsp
#####
DMSEARCHBROWSECAT_TITLE = IBM: Browse Categories
DMSEARCHBROWSECAT_TEXT1 = Business
DMSEARCHBROWSECAT_TEXT2 = Agriculture and Forestry
DMSEARCHBROWSECAT_TEXT3 = Business People
DMSEARCHBROWSECAT_TEXT4 = E-Commerce and Modern Business
DMSEARCHBROWSECAT_TEXT5 = Home Office and Computing
DMSEARCHBROWSECAT_TEXT6 = International Business
DMSEARCHBROWSECAT_TEXT7 = Manufacturing and Industry
DMSEARCHBROWSECAT_TEXT8 = Retail Commerce and Trade
DMSEARCHBROWSECAT_TEXT9 = Telecommunications
DMSEARCHBROWSECAT_TEXT10 = Sports and Recreation
DMSEARCHBROWSECAT_TEXT11 = Children in Sports
DMSEARCHBROWSECAT_TEXT12 = Competition
DMSEARCHBROWSECAT_TEXT13 = Crowds and Stadiums
DMSEARCHBROWSECAT_TEXT14 = Extreme
DMSEARCHBROWSECAT_TEXT15 = Game Play

```



```

DMSEARCHBROWSECAT_TEXT16 = Gold Medal
DMSEARCHBROWSECAT_TEXT17 = Memorable Moments
DMSEARCHBROWSECAT_TEXT18 = Motor Sports
DMSEARCHBROWSECAT_TEXT19 = Playback
DMSEARCHBROWSECAT_TEXT20 = Professional Sports
DMSEARCHBROWSECAT_TEXT21 = Recreation and Leisure
DMSEARCHBROWSECAT_TEXT22 = Sports Awards Ceremonies and Celebrations
DMSEARCHBROWSECAT_TEXT23 = Sports Bloopers
DMSEARCHBROWSECAT_TEXT24 = Teamwork
DMSEARCHBROWSECAT_TEXT25 = Training and Preparation
DMSEARCHBROWSECAT_TEXT26 = People and Lifestyles
DMSEARCHBROWSECAT_TEXT27 = Children
DMSEARCHBROWSECAT_TEXT28 = Couples
DMSEARCHBROWSECAT_TEXT29 = Education
DMSEARCHBROWSECAT_TEXT30 = Families
DMSEARCHBROWSECAT_TEXT31 = Food and Drink
DMSEARCHBROWSECAT_TEXT32 = Groups and Crowds
DMSEARCHBROWSECAT_TEXT33 = Holidays Celebrations and Ceremonies
DMSEARCHBROWSECAT_TEXT34 = Individuals and Portraits
DMSEARCHBROWSECAT_TEXT35 = Rural Life
DMSEARCHBROWSECAT_TEXT36 = Suburban Life
DMSEARCHBROWSECAT_TEXT37 = Urban Life
DMSEARCHBROWSECAT_TEXT38 = Vacations

#####
# DMSearchResult.jsp
#####
DMSEARCHRESULT_TITLE = IBM: Search Result
DMSEARCHRESULT_JS1 = This clip is not available in low resolution, please
    order the high resolution or the CD version.
DMSEARCHRESULT_JS2 = No Media Folders Created
DMSEARCHRESULT_JS3 = This image is not in any CD
DMSEARCHRESULT_TEXT1 = Save items in Media Folders where you can share and e-mail
    them with others, view detailed
    clip info, view related product titles, and add either high or low resolution items
    to the product cart for purchase
DMSEARCHRESULT_TEXT2 = To buy individual items and titles, or to create and share
    Media Folders,
DMSEARCHRESULT_TEXT3 = please
DMSEARCHRESULT_TEXT4 = register now
DMSEARCHRESULT_TEXT5 = Quick Check Out
DMSEARCHRESULT_TEXT6 = Currently, none of the indexed items match your criteria.
    Please expand your selection and try again.
DMSEARCHRESULT_TEXT7 = Connection to the content manager is not available.
    Please try gain.
DMSEARCHRESULT_TEXT8 = Display Options:

#####
# DMSearchDetail.jsp
#####
DMSEARCHDETAIL_TITLE = IBM: Search Detail
DMSEARCHDETAIL_TEXT1 = Description:
DMSEARCHDETAIL_TEXT2 = ...more
DMSEARCHDETAIL_TEXT3 = Related Keywords:
DMSEARCHDETAIL_TEXT4 = Price:
DMSEARCHDETAIL_TEXT5 = Title:
DMSEARCHDETAIL_TEXT6 = File Size:
DMSEARCHDETAIL_TEXT7 = Image Size:
DMSEARCHDETAIL_TEXT8 = Camera Element:
DMSEARCHDETAIL_TEXT9 = Camera Speed:
DMSEARCHDETAIL_TEXT10 = Era:
DMSEARCHDETAIL_TEXT11 = Audio:
DMSEARCHDETAIL_TEXT12 = Compression:
DMSEARCHDETAIL_TEXT13 = Formats & Specs

#####
# DMSearchEntry.jsp
#####
DMSEARCHENTRY_TITLE = IBM: Advanced Search Entry
DMSEARCHENTRY_JS1 = The WildCard * should be used only with the boolean search.
DMSEARCHENTRY_JS2 = Please enter a Boolean operator between each word (AND, OR,
    AND NOT, OR NOT).

```


DMSEARCHENTRY_JS3 = Please select filters and/or search method, and enter search terms before clicking the search command.

DMSEARCHENTRY_TEXT1 = To refine your search, select from the following options below.

DMSEARCHENTRY_TEXT2 = For more help using this page and for searching in general, see our

DMSEARCHENTRY_TEXT3 = Search Tips

DMSEARCHENTRY_TEXT4 = Check here to suppress images with Restrictions

DMSEARCHENTRY_TEXT5 = Check here to suppress images without Model Releases

DMSEARCHENTRY_TEXT6 = Enter Keyword or Clip ID#

DMSEARCHENTRY_TEXT8 = Free Text

DMSEARCHENTRY_TEXT9 = Boolean

DMSEARCHENTRY_TEXT10 = Era

DMSEARCHENTRY_TEXT11 = all

DMSEARCHENTRY_TEXT12 = Historical

DMSEARCHENTRY_TEXT13 = Contemporary

DMSEARCHENTRY_TEXT14 = Color

DMSEARCHENTRY_TEXT15 = Black & White

DMSEARCHENTRY_TEXT16 = Time Of Day

DMSEARCHENTRY_TEXT17 = Day

DMSEARCHENTRY_TEXT18 = Night

DMSEARCHENTRY_TEXT19 = Sunrise / Sunset

DMSEARCHENTRY_TEXT20 = Dusk/Dawn

DMSEARCHENTRY_TEXT21 = Interior / Exterior

DMSEARCHENTRY_TEXT22 = Interior

DMSEARCHENTRY_TEXT23 = Exterior

DMSEARCHENTRY_TEXT24 = Camera Speed

DMSEARCHENTRY_TEXT25 = Slow Motion

DMSEARCHENTRY_TEXT26 = Time Lapse

DMSEARCHENTRY_TEXT27 = Real Time

DMSEARCHENTRY_TEXT28 = Fast Motion

DMSEARCHENTRY_TEXT29 = Camera Element

DMSEARCHENTRY_TEXT30 = Film

DMSEARCHENTRY_TEXT31 = Video

DMSEARCHENTRY_TEXT32 = Audio

DMSEARCHENTRY_TEXT33 = Yes

DMSEARCHENTRY_TEXT34 = No

DMSEARCHENTRY_TEXT35 = Time Period/Decade

DMSEARCHENTRY_TEXT36 = All

DMSEARCHENTRY_TEXT37 = Prehistoric

DMSEARCHENTRY_TEXT38 = Ancient

DMSEARCHENTRY_TEXT39 = Modern

DMSEARCHENTRY_TEXT40 = 1990s

DMSEARCHENTRY_TEXT41 = 2000s

DMSEARCHENTRY_TEXT42 = Display Search Results

DMSEARCHENTRY_TEXT43 = 9 per page

DMSEARCHENTRY_TEXT44 = 15 per page

DMSEARCHENTRY_TEXT45 = 21 per page

```
#####
# DMSearchPopUp.jsp
#####
DMSEARCHPOPOP_TITLE = IBM: Low Resolution Image
```

```
#####
# DMMediaDownload.jsp
#####
DMMEDIADOWNLOAD_TITLE = IBM: Download Images
DMMEDIADOWNLOAD_JS1 = Mac format is not yet supported. Format will be win format.
  Try to download using the Windows Format and Unzip it on MAC Using Stuff Expander.
DMMEDIADOWNLOAD_JS2 = BinHex format is not yet supported. Format will be *.zip.
DMMEDIADOWNLOAD_JS3 = Current file format is not valid. Format will be *.zip.
DMMEDIADOWNLOAD_TEXT1 = Home
DMMEDIADOWNLOAD_TEXT2 = Shopping Cart
DMMEDIADOWNLOAD_TEXT3 = Download Options
DMMEDIADOWNLOAD_TEXT4 = Compression:
DMMEDIADOWNLOAD_TEXT5 = Zip File
DMMEDIADOWNLOAD_TEXT6 = BinHex File
DMMEDIADOWNLOAD_TEXT7 = Image Resolution:
DMMEDIADOWNLOAD_TEXT8 = Hi-res
DMMEDIADOWNLOAD_TEXT9 = Lo-res
DMMEDIADOWNLOAD_TEXT10 = Prepare files for:
DMMEDIADOWNLOAD_TEXT11 = Mac
DMMEDIADOWNLOAD_TEXT12 = Win
```

DMEDIADOWNLOAD_TEXT13 = Choose your preferences for this download. If hi-res image is not available we will automatically change your order to low-res.

#####

DMMediaDownloadWait.jsp

#####

DMEDIADOWNLOADWAIT_TITLE = IBM: Processing the Images. Please Wait.

DMEDIADOWNLOADWAIT_TEXT1 = Preparing for Download

DMEDIADOWNLOADWAIT_TEXT2 = The system is now preparing your files for download.

This could take a minute or two depending on the size and the number of the assets.

After the file is created it will automatically

download to your hard drive. You will then be prompted for a download location. Pick the location where

you wish to receive your files.

#####

DMMediaDownloadComplete.jsp

#####

DMEDIADOWNLOADCOMPLETE_TITLE = IBM: Images Downloaded.

DMEDIADOWNLOADCOMPLETE_STATUSCODE0 = Not Connected

DMEDIADOWNLOADCOMPLETE_STATUSCODE1 = Connecting

DMEDIADOWNLOADCOMPLETE_STATUSCODE2 = Transferring

DMEDIADOWNLOADCOMPLETE_STATUSCODE3 = Waiting

DMEDIADOWNLOADCOMPLETE_STATUSCODE4 = Waiting For User

DMEDIADOWNLOADCOMPLETE_REASONCODE0 = No Error

DMEDIADOWNLOADCOMPLETE_REASONCODE1 = Config Error

DMEDIADOWNLOADCOMPLETE_REASONCODE2 = Aborted

DMEDIADOWNLOADCOMPLETE_REASONCODE3 = Timed Out

DMEDIADOWNLOADCOMPLETE_REASONCODE4 = Connection Lost

DMEDIADOWNLOADCOMPLETE_REASONCODE5 = Unknown

DMEDIADOWNLOADCOMPLETE_REASONCODE6 = URL Not Found

DMEDIADOWNLOADCOMPLETE_REASONCODE7 = HTTP Request Failed

DMEDIADOWNLOADCOMPLETE_REASONCODE8 = Create Directory Error

DMEDIADOWNLOADCOMPLETE_REASONCODE9 = Create File Error

DMEDIADOWNLOADCOMPLETE_REASONCODE10 = Write to File Error

DMEDIADOWNLOADCOMPLETE_JS1 = File added:

DMEDIADOWNLOADCOMPLETE_JS2 = AutoPlayWMD =

DMEDIADOWNLOADCOMPLETE_JS3 = SupportResumableDownload =

DMEDIADOWNLOADCOMPLETE_JS4 = Transfer failed:

DMEDIADOWNLOADCOMPLETE_JS5 = reason is

DMEDIADOWNLOADCOMPLETE_JS6 = Transfer Complete

DMEDIADOWNLOADCOMPLETE_JS7 = File complete:

DMEDIADOWNLOADCOMPLETE_JS8 = PercentComplete=

DMEDIADOWNLOADCOMPLETE_JS9 = Bytes=

DMEDIADOWNLOADCOMPLETE_JS10 = StatusChange:

DMEDIADOWNLOADCOMPLETE_TEXT1 = Downloading

DMEDIADOWNLOADCOMPLETE_TEXT2 = The download will now start. Once the file finishes downloading it will

uncompress automatically if your browser has been set to use the appropriate helper application. Or, it

can be uncompressed manually in two ways.

DMEDIADOWNLOADCOMPLETE_TEXT3 = Windows PC -

DMEDIADOWNLOADCOMPLETE_TEXT4 = Right click on the zip file and extract files with WinZip.

DMEDIADOWNLOADCOMPLETE_TEXT5 = Macintosh

DMEDIADOWNLOADCOMPLETE_TEXT6 = - Drag the zip file/folder onto the Stuffit Deluxe or Expander icon.

DMEDIADOWNLOADCOMPLETE_TEXT7 = Missing files?

DMEDIADOWNLOADCOMPLETE_TEXT8 = Make sure you selected all the files you wished to download. Otherwise

contact our help desk.

DMEDIADOWNLOADCOMPLETE_TEXT9 = Click 'Start Download' if the file download isn't automatic:

DMEDIADOWNLOADCOMPLETE_TEXT10 = To Continue downloading your order, please go to the

DMEDIADOWNLOADCOMPLETE_TEXT11 = Download Order

DMEDIADOWNLOADCOMPLETE_TEXT12 = Start Download

DMEDIADOWNLOADCOMPLETE_TEXT13 = Abort Download

DMEDIADOWNLOADCOMPLETE_TEXT14 = AutoPlayWMD

DMEDIADOWNLOADCOMPLETE_TEXT15 = SupportResumableDownload

DMMEDIADOWNLOADCOMPLETE_TEXT16 = EVENTS

```
#=====
# DigitalMediaExternalRegistration.jsp
#=====
ERROR_ENCOUNTER = Encountered error while processing.
REGISTRATION_REPORT = User Registration Report
REFER_TO_LOG = Please refer to the wcs.log file located in the /websphere/wcs/instances/
instance name/logs directory for a detailed log report.
LOAD_USER_DATA_INFO = Before loading any new User Data, please login as one of the users
and please logout
after you have loaded your User Data.

#=====
# DMErrrorHandler.jsp
#=====
DMERRORHANDLERTITLE=IBM: Error Handling
DMERRORHANDLERTEXT1=Could not find the message in the properties file for the Error Code:
DMERRORHANDLERTEXT2=Error Code:
DMERRORHANDLERTEXT3=Back

#=====
# UsageQuestionnaireComplete.jsp
#=====
USAGE_QUESTIONS_PART_I = USAGE QUESTIONS PART I:
USAGE_QUESTIONS_PART_II = USAGE QUESTIONS PART II:
USAGE_QUESTIONS_PART_III = USAGE QUESTIONS PART III:
USAGE_QUESTIONS_PART_IV = USAGE QUESTIONS PART IV:
INTENDED_USAGE = tell us how you intent to use the requested clips.
IF_DIFFERENT_FROM = If different from the e-mail address or phone number
PROVIDED_IN = provided in your registration, add here.
WHERE_TO_SEND_TO = tell us which office to send your request to
MATERIAL_TYPE = tell us whether you need preview, master or web-ready material.
DESCRIBE_FORMATS = Describe formats/specs you require:
TELL_US_CONTACT = tell us how you would like to be contacted
NOT_SURE_OF_REGISTRATION_INFO = Not sure of your registration information?
```

Appendix K. Sample dmstoreconfig_en_US.properties file

Note: THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE THESE SAMPLES. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

```
#####
# DigitalMedia Configuration and Messages File for each store
#####

ENCODESTATEMENT = text/html; charset=ISO_8859-1

#####
# Content Manager Index Class
# For just one language have both the index class as the one you have created during
Content Manager Setup (DMDEMO)
#####
# In case of 2 languages
# Base Index class(WCDMCMBASEINDEXCLASS) will have the low res and high res
parts. (DMDEMOEN)
# Index class(WCDMCMINDEXCLASS) will have the metadata and the keywords and
description parts. (DMDEMOEN)
#####
WCDMCMBASEINDEXCLASS = DMDEMO

WCDMCMINDEXCLASS = DMDEMO

#####
# Content Manager Search Locale Values
# The values are in cmbroot/include/DKConstant2.h
# Not to be changed for US English
#####
# The WCDMCMCCSID value is same as DK_CCSID_00819
WCDMCMCCSID=819
# The WCDMCMCCSID value is same as DK_LANG_ENU
WCDMCMCLANDID=6011

#####
# Max Number of Search Results
#####

WCDMCM_MAXRESULTS = 500

#####
# Folder Collaboration
#####

#--- Enable Sametime Feature [1=enable; 0=disable]
ENABLE_SAMETIME_FEATURE = 1

#--- Sametime Links Base URL [Exclude protocol & server if
Sametime is on local server.]
#SAMETIME_LINKS_BASE_URL = http://mps20.ibm.us2.ibm.com/STLinks
#SAMETIME_LINKS_BASE_URL = http://mps20.ibm.us2.ibm.com/
sametime/stlinks
SAMETIME_LINKS_BASE_URL = /sametime/stlinks

#--- Sametime Links Version
#SAMETIME_LINKS_VERSION = 2.5
SAMETIME_LINKS_VERSION = 2.6

#--- Sametime Server Registration URL [Always specify
```

absolute URL.]
SAMETIME_REG_URL = http://mps20.ibm.us2.ibm.com/streg.nsf/
NewAcc?CreateDocument

DigitalMedia Messages to be displayed to the user.
#####

Search Commands
#####

SERC1000E= Failed to search. The DigitalMedia Text Search Server is down. Please try again after some time. If the problem persists contact the system administrator.
SERC1001E= Failed to search. The system was unable to successfully perform your search. Please redefine your search. If the problem persists contact the system administrator.
SERC1002E= Failed to retrieve your order images from digitalmedia Content Manager. Please try again after some time. If the problem persists contact the system administrator.
SERC1003E= Rights Release Attachment Document for the Order is not yet generated. Please try again after some time. If the problem persists contact the system administrator.
SERC1004E= Failed to retrieve your order from digitalmedia Content Manager. Please try again after some time. If the problem persists contact the system administrator.

Folder Commands
#####

FOLC1000E = Required parameter [{0}] is missing in command [{1}].
FOLC1001E = An Error occurred while processing command [{0}]. Please contact the system administrator if this problem continues.
FOLC1002E = Could not find a user with id [{0}].
FOLC1003E = Could not send response back to browser.
FOLC1005E = Could not find the media folder [{0}] for user [{1}].
FOLC1006E = Unable to establish a session for user ID [{0}].
FOLC1007E = Unable to log user on.

FOLC1100E = Could not add Image [{0}] to the media folder [{1}] for user [{2}].
FOLC1104E = Image not found for the media folder [{0}] for user [{1}].
FOLC1106E = Add Images to Mediafolder [{0}] for user [{1}] failed. Image count could not be updated.
FOLC1107E = Could not Update sequence for the Image [{0}] in the media folder [{1}] for user [{2}].
FOLC1108E = Could not create the media folder [{0}] for user [{1}].
FOLC1109E = Could not make an e-mail entry for user [{0}].
FOLC1110E = Could not copy to Media folder [{0}] for owner [{1}].
FOLC1111E = Could not delete media folder(s) [{0}] owned by [{1}].
FOLC1112E = Could not delete the image [{0}] from the media folder [{1}] for user [{2}].
FOLC1113E = Could not update media folder(s) [{0}] for owner [{1}].
FOLC1114E = Could not update date for media folder(s) [{0}] for owner [{1}].
FOLC1115E = Could not rename media folder [{0}] owned by [{1}] to the name [{2}].
FOLC1116E = No of Images and Sequences are not equal for the media folder [{0}] for user [{1}].
FOLC1117E = Could not share media folder [{0}] owned by [{1}] with user [{2}].
FOLC1118E = Could not make an e-mail entry for user [{0}].

Usage Commands
#####

USGC1000E = Required parameter [{0}] is missing.
USGC1001E = Exception occurred.

USGC1002E = Apply All. UpdateItemPriceAndUsage failed. OrderItem Id is [{0}].

USGC1003E = Apply All. UpdateItemPriceAndUsage failed. OrderItemPrice Not Found.
OrderItem Id is [{0}].
USGC1004E = UpdateItemPriceAndUsage failed. OrderItem Id is [{0}].

Appendix L. Contents of the xml_config_aix.xml file

Note: THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IBM DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY WITH RESPECT TO THE THESE SAMPLES. BY FURNISHING THIS DOCUMENT, IBM GRANTS NO LICENSES TO ANY PATENTS OR COPYRIGHTS.

```
<?xml version="1.0"?>
<!DOCTYPE websphere-sa-config SYSTEM "$server_root$$dsep$bin$dsep$xmlconfig.dtd" >

<!-- ***** - -->
<!-- *** Replace following variables with appropriate values: *** - -->
<!-- ***** - -->
<!--
1) @WAS_NODE_NAME : Machine node name as defined in WAS (e.g. "mcsrv1")
2) @WAS_INSTALL_ROOT: WebSphere Installation Root Directory (e.g. "d:\WebSphere")
3) @DM_INSTALL_ROOT: DigitalMedia Installation Root Directory (e.g. "d:\sites\DigitalMedia")
4) @DM_DOCUMENT_ROOT: Document Root for DigitalMedia Lightbox (e.g. "d:\WebSphere\WCS\
stores\web\DigitalMedia\lightbox")
5) @CM_INSTALL_ROOT: Content Manager Installation Root Directory (e.g. "d:\cmroot")
- -->
<websphere-sa-config>
  <node name="libsrvr" action="locate">
    <application-server name="<store_title> Server (lb_media)" action="update">
      <executable>java</executable>
      <command-line-arguments>
        <arg>-mx256M</arg>
        <arg>-classpath</arg>
      <arg>/sites/NGS/lightbox/classes/lb.jar:/sites/NGS/lightbox/classes/mediasearch.jar:/
usr/lpp/cmb/lib:/usr/lpp/cmb/lib/cmb71.jar:/usr/lpp/cmb/lib/cmbcm71.jar:/usr/lpp/cmb/lib/
cmbd171.jar:/sites/NGS/lightbox/classes</arg>
      </command-line-arguments>
      <environment/>
      <user-id></user-id>
      <group-id></group-id>
      <working-directory>/sites/NGS</working-directory>
      <umask>18</umask>
      <stdin></stdin>
      <stdout>/sites/NGS/logs/stdout.log</stdout>
      <stderr>/sites/NGS/logs/stderr.log</stderr>
      <process-priority>20</process-priority>
      <maximum-startup-attempts>2</maximum-startup-attempts>
      <ping-interval>60</ping-interval>
      <ping-timeout>200</ping-timeout>
      <ping-initial-timeout>300</ping-initial-timeout>
      <selection-policy>roundrobinpreferlocal</selection-policy>
      <trace-specification></trace-specification>
      <trace-output></trace-output>
      <transaction-log-file></transaction-log-file>
      <olt-enabled>>false</olt-enabled>
      <system-properties/>
      <debug-enabled>>false</debug-enabled>
      <transaction-timeout>120</transaction-timeout>
      <transaction-inactivity-timeout>60000</transaction-inactivity-timeout>
      <thread-pool-size>20</thread-pool-size>
      <security-enabled>>false</security-enabled>
      <container name="DigitalMedia EJB Container (lb_media)" action="update">
        <user-id>db2admin</user-id>
        <password>db2admin</password>
        <cache-config>
          <size>2047</size>
          <soft-limit>2000</soft-limit>
          <hard-limit>2047</hard-limit>
          <sweep-interval>1000</sweep-interval>
          <passivation-directory></passivation-directory>
        </cache-config>
      </container>
    </application-server>
  </node>
</websphere-sa-config>
```

```

<data-source name="MediaCommerceDS"/>
<ejb name="RemoteSRP" action="update">
  <jar-file>
    /usr/WebSphere/lib/ibmwebas.jar</jar-file>
  <home-name>RemoteSRPHome</home-name>
  <user-id></user-id>
  <password></password>
  <create-db-table>true</create-db-table>
  <find-for-update>false</find-for-update>
  <minimum-pool-size>2</minimum-pool-size>
  <maximum-pool-size>100</maximum-pool-size>
  <primary-key-check>false</primary-key-check>
  <db-exclusive-access>false</db-exclusive-access>
</ejb>
<ejb name="UserWorkerHome" action="update">
  <jar-file>/sites/NGS/lightbox/classes/lb_ejb_session_deployed.jar</
    jar-file>
  <home-name>com/ibm/mediacommerce/ebj/session/UserWorker</home-name>
  <user-id></user-id>
  <password></password>
  <create-db-table>true</create-db-table>
  <find-for-update>true</find-for-update>
  <minimum-pool-size>2</minimum-pool-size>
  <maximum-pool-size>100</maximum-pool-size>
  <primary-key-check>true</primary-key-check>
  <db-exclusive-access>false</db-exclusive-access>
  <data-source name="MediaCommerceDS"/>
</ejb>
<ejb name="LightboxWorkerHome" action="update">
  <jar-file>/sites/NGS/lightbox/classes/lb_ejb_session_deployed.jar</
    jar-file>
  <home-name>com/ibm/mediacommerce/ebj/session/LightboxWorker</
    home-name>
  <user-id></user-id>
  <password></password>
  <create-db-table>true</create-db-table>
  <find-for-update>true</find-for-update>
  <minimum-pool-size>2</minimum-pool-size>
  <maximum-pool-size>100</maximum-pool-size>
  <primary-key-check>false</primary-key-check>
  <db-exclusive-access>false</db-exclusive-access>
  <data-source name="MediaCommerceDS"/>
</ejb>
<ejb name="e-mailWorkerHome" action="update">
  <jar-file>/sites/NGS/lightbox/classes/lb_ejb_session_deployed.jar</
    jar-file>
  <home-name>com/ibm/mediacommerce/ebj/session/emailWorker</home-name>
  <user-id></user-id>
  <password></password>
  <create-db-table>true</create-db-table>
  <find-for-update>true</find-for-update>
  <minimum-pool-size>2</minimum-pool-size>
  <maximum-pool-size>100</maximum-pool-size>
  <primary-key-check>true</primary-key-check>
  <db-exclusive-access>false</db-exclusive-access>
  <data-source name="MediaCommerceDS"/>
</ejb>
</container>
<servlet-engine name="DigitalMedia Servlet Engine (lb_media)" action="update">
  <maximum-connections>25</maximum-connections>
  <servlet-mode>1</servlet-mode>
  <transport-type name="ose">
    <ose-transport>
      <link-type>local</link-type>
      <log-file-mask trace="false" inform="false" warning="false" error="true"/>
      <clone-index>1</clone-index>
      <native-log-file>/usr/WebSphere/logs/DigitalMediaServletEngine.native.log<
        /native-log-file>
    </ose-transport>
  </transport-type>
  <web-application name="DigitalMedia Web Application (lb_media)" action="update">
    <description>Web application for media commerce</description>

```

```

<document-root>/usr/lpp/CommerceSuite/stores/web/NGS/lightbox</
  document-root>
<classpath>
  <path value="/sites/NGS/lightbox/classes/lb.jar"/>
  <path value="/sites/NGS/lightbox/classes/lb_ejb_session_deployed.jar"/>
</classpath>
<error-page>/ErrorReporter</error-page>
<session-config>
  <session-timeout>0</session-timeout>
</session-config>
<welcome-file-list/>
<filter-list/>
<group-attributes/>
<auto-reload>true</auto-reload>
<reload-interval>9</reload-interval>
<enabled>true</enabled>
<root-uri>default_host/lb_media</root-uri>
<shared-context>>false</shared-context>
<shared-context-jndi-name>SrdSrvltCtxHome</
  shared-context-jndi-name>
<servlet name="Error Reporting Facility" action="update">
  <description>Auto-Generated - Default error reporter servlet</
  description>
  <code>com.ibm.servlet.engine.webapp.DefaultErrorReporter</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/ErrorReporter"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="File Serving Enabler" action="update">
  <description>Auto-Generated - File Serving Servlet</description>
  <code>com.ibm.servlet.engine.webapp.SimpleFileServlet</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/">
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="JSP 1.0 Processor" action="update">
  <description>Auto-Generated - Generates JSP 1.0 output</
  description>
  <code>com.sun.jsp.runtime.JspServlet</code>
  <init-parameters>
    <parameter name="keepgenerated" value="true"/>
    <parameter name="workingDir" value="/sites/NGS"/>
  </init-parameters>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="*.jsp"/>
    <uri value="*.jsw"/>
    <uri value="*.jsw"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="InitLBSession" action="update">
  <description>Initiates a lightbox session</description>
  <code>com.ibm.mediacommerce.commands.InitSession</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/InitSession"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="Login" action="update">

```

```

    <description>Login servlet</description>
    <code>com.ibm.mediacommerce.commands.Login</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/Login"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="CreateLightbox" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.CreateLightbox</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/CreateLightbox"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="CopyLightbox" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.CopyLightbox</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/CopyLightbox"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="MultiAddLightBoxImages" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.MultiAddLightBoxImages</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/MultiAddLightBoxImages"/>
      <uri value="/servlet/MultiAddLightboxImages"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="UpdateLightBoxNotes" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.UpdateLightBoxNotes</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/UpdateLightBoxNotes"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="ShareLightbox" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.ShareLightbox</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>
    <uri-paths>
      <uri value="/servlet/ShareLightbox"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
  <servlet name="SequenceLightBoxImages" action="update">
    <description></description>
    <code>com.ibm.mediacommerce.commands.SequenceLightBoxImages</code>
    <init-parameters/>
    <load-at-startup>true</load-at-startup>
    <debug-mode>>false</debug-mode>

```

```

    <uri-paths>
      <uri value="/servlet/SequenceLightBoxImages"/>
    </uri-paths>
    <enabled>true</enabled>
  </servlet>
<servlet name="RenameLightbox" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.commands.RenameLightbox</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>true</debug-mode>
  uri-paths>
    <uri value="/servlet/RenameLightbox"/>
    </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="MultiDeleteLightbox" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.commands.MultiDeleteLightbox</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/MultiDeleteLightbox"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="MultiDeleteLightBoxImages" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.commands.MultiDeleteLightBoxImages</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/MultiDeleteLightBoxImages"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="ContentManagerInterface" action="update">
  <description>Passes the active lightbox information to CM search</
  description>
  <code>com.ibm.mediacommerce.commands.ContentManagerInterface</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/ContentManagerInterface"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="CopyImagesToAnotherLightBox" action="update">
  <description>Copy Images from one light box to another light box</
  description>
  <code>com.ibm.mediacommerce.commands.CopyImagesToAnotherLightBox</
  code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/CopyImagesToAnotherLightBox"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="e-mailLightbox" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.commands.e-mailLightbox</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/emailLightbox"/>
  </uri-paths>

```

```

    <enabled>true</enabled>
</servlet>
<servlet name="MediaSearch" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.search.commands.MediaSearch</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/MediaSearch"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
<servlet name="MediaZip" action="update">
  <description></description>
  <code>com.ibm.mediacommerce.search.commands.MediaZip</code>
  <init-parameters/>
  <load-at-startup>true</load-at-startup>
  <debug-mode>>false</debug-mode>
  <uri-paths>
    <uri value="/servlet/MediaZip"/>
  </uri-paths>
  <enabled>true</enabled>
</servlet>
</web-application>
<session-manager name="Session Manager" action="update">
  <enable-sessions>true</enable-sessions>
  <enable-url-rewriting>>false</enable-url-rewriting>
  <enable-cookies>true</enable-cookies>
  <enable-protocol-switch-rewriting>>false</
  enable-protocol-switch-rewriting>
  <cookie name="mc_sessionid">
    <comment>servlet session support</comment>
    <domain></domain>
    <maximum>-1</maximum>
    <path></path>
    <secure>>false</secure>
  </cookie>
  <interval-invalidation-time>1800</interval-invalidation-time>
  <persistent-sessions>>false</persistent-sessions>
  <persistence-type>directodb</persistence-type>
  <database location="jdbc:db2:was">
    <driver>COM.ibm.db2.jdbc.app.DB2Driver</driver>
    <user-id>db2admin</user-id>
    <password>db2admin</password>
    <number-of-connections>30</number-of-connections>
  </database>
  <enable-stat-collection>true</enable-stat-collection>
  <using-cache>true</using-cache>
  <using-multi-row>>false</using-multi-row>
  <using-manual-update>>false</using-manual-update>
  <using-native-access>>false</using-native-access>
  <base-memory-size>1000</base-memory-size>
  <allow-overflow>true</allow-overflow>
  <data-source name="MediaCommerceDS"/>
</session-manager>
<user-profile-manager name="User Profile Manager" action="update">
  <enable-user-profile>>false</enable-user-profile>
  <data-wrapper>com.ibm.servlet.personalization.userprofile.UserProfile<
  /data-wrapper>
  <remote-interface-ro>com.ibm.servlet.personalization.userprofile.UP_ReadOnly
  </remote-
  interface-ro>
  <remote-interface-rw>com.ibm.servlet.personalization.userprofile.UP_ReadWrite
  </remote-interface-rw>
  <home-interface-ro>com.ibm.servlet.personalization.userprofile.UP_ReadOnlyHome
  </
  home-interface-ro>
  <home-interface-rw>com.ibm.servlet.personalization.userprofile.UP_ReadWriteHome
  </
  home-interface-rw>
  <jndi-name-ro>UP_ReadOnlyHome</jndi-name-ro>

```

```
        <jndi-name-rw>UP_ReadWriteHome</jndi-name-rw>
    </user-profile-manager>
</servlet-engine>
</application-server>
</node>
</websphere-sa-config>
```

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Glossary

document. An *item* that can be stored, retrieved, and exchanged among Content Manager systems and users as a separate unit. It can be any multimedia digital object. A single document can include varied types of content including, for example, text, images, and spreadsheets.

folder. A container used to organize *objects* which can be other folders or *documents*.

include (INC) files. A text file that contains declarations that are used by a group of functions, programs, or users.

index class. In Content Manager Version 7, a template for defining and later locating like items, consisting of a root component, zero or more child components, and a classification. Index class is called *item type* in Content Manager Version 8.

item. In Content Manager, generic term for an instance of an *item type*. For example, an item might be a *folder*, document, video, or image. Generic term for the smallest unit of information that Enterprise Information Portal administrators.

item type. In Content Manager Version 8, a template for defining and later locating like items, consisting of a root component, zero or more child components, and a classification.

JavaServer Pages (JSP). A server-side scripting technology that enables you to embed Java code within static Web pages (HTML files) and to execute the Java code when the page is served.

library server. The component of a Content Manager system that stores, manages, and handles queries on *items*.

object. Any digital content that a user can store, retrieve, and manipulate as a single unit; for example, JPEG images, MP3 audio, AVI audio, and a text block from a book.

object server. (1) The component of a Content Manager Version 7 system that manages *objects*. These objects are referred to by *items* stored on the *library server*. (2) The object server is called the *resource manager* in Content Manager Version 8.

part. See *object*.

resource manager. The component of a Content Manager Version 8 system that manages *objects*. These objects are referred to by *items* stored on the *library server*.

session bridge. A customizable feature in WebSphere Digital Media Enabler that enables the use of a content management system other than IBM Content Manager.

SAR file format. In WebSphere Commerce, SAR (store archive) is a platform-independent file format that aggregates many files into one. A store archive is a compressed file that contains all the assets (including file assets and database information) necessary to create a store. Publishing the store archive to a WebSphere Commerce server creates an operational store.

system-managed storage. The Content Manager approach to storage management. The system determines object placement, and automatically manages object backup, movement, space, and security.

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