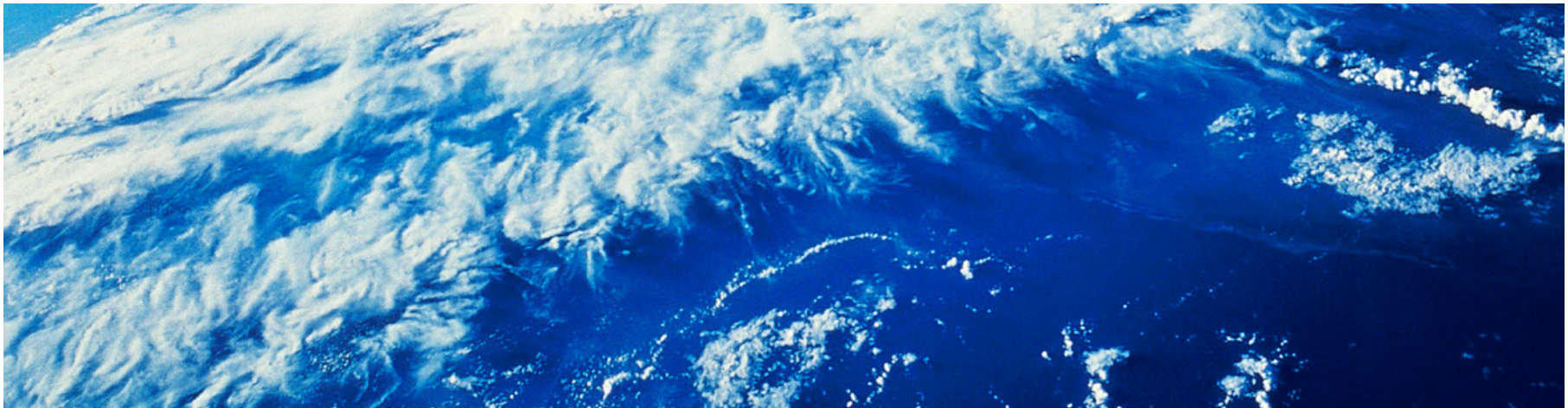


# IBM WebSphere Commerce V7 FEP8

Add restriction to Marketing to not display large attachments



Addy Leung

# Agenda

- Introduction
- Design
- Demo
- Assumptions
- Troubleshooting

# Introduction

Imagine you use the Page Composer to control the layout of your store's web pages but it is your art designer who uploads the images. The art designer wants the highest resolutions images to be shown to attract customers, but you worry that may slow down the web site.

Posting a restriction on the size of marketing content will drive a better and more balance web design

# Design

- Through XML configuration, sets a size limit for attachment (all and/or per mime type).
- A checkbox in CMC UI for Marketing Content to ignore file size limit (and therefore allow large attachments) for individual content.
- Prevent large attachment content from being displayed in storefront
- Only in store preview it shows a new warning when content exceed size limit and not displayed.
- A new database table column, COLLATERAL.OVRMKTLIMIT, added in V7 fixpack 9. It is nullable and takes in value of 0 for No and 1 (and null) for Yes

# Demo

# Setup

The screenshot displays the IBM Management Center for WebSphere Commerce interface within a Mozilla Firefox browser. The address bar shows the URL: `https://localhost:8000/lobtools/cmc/ManagementCenterMain?locale=en_US`. The interface includes a top navigation bar with "Management Center Tools", "Getting Started", "Marketing", and "Assets" tabs. A welcome message "Welcome wcsadmin" and a "Log Out" link are visible. The main content area shows "Search Results - Files" with a message: "The system loaded page 1 of 2 objects matching \*IBM\*." Below this is a table with columns: \* Type, \* Name, \* Path, and Size. The table lists two files: "IBM\_logo\_250\_190.jpg" (9 KB) and "IBM\_logo\_1200\_800.jpg" (91 KB), both located at "/AuroraStorefrontAssetStore/Attachment". A left sidebar contains a "Files" dropdown, "Search Results", "Compare View", "Active Work", and a tree view for "AuroraStorefrontAssetStore" with an "Attachment" sub-item. The status bar at the bottom indicates "0 of 2 selected".

IBM® Management Center for WebSphere® Commerce - Mozilla Firefox: IBM Edition

https://localhost:8000/lobtools/cmc/ManagementCenterMain?locale=en\_US

Management Center Tools

Welcome wcsadmin | Log Out

Getting Started | Marketing | Assets

File Edit View Help

AuroraStorefrontAssetS ...

\*IBM\*

### Search Results - Files

The system loaded page 1 of 2 objects matching \*IBM\*.

* Type	* Name	* Path	Size
	IBM_logo_250_190.jpg	/AuroraStorefrontAssetStore/Attachment	9 KB
	IBM_logo_1200_800.jpg	/AuroraStorefrontAssetStore/Attachment	91 KB

0 of 2 selected

# Setup

IBM® Management Center for WebSphere® Commerce - Mozilla Firefox: IBM Edition

https://localhost:8000/lobtools/cmc/ManagementCenterMain?locale=en\_US

Management Center Tools

Welcome wcsadmin | Log Out

Getting Started | Marketing | Commerce Composer

File Edit View Help

AuroraStorefrontAssetS ...

\*IBM\*

Search Results

Compare View

Active Work

- IBM E-Marketing Spot 1
- IBM Content 1

Activities

Activity Templates

Content

Customer Segments

E-Marketing Spots

E-mail Templates

Campaigns

Search Rules

Search Rule Templates

Customer Segment Exports

IBM Content 1

Save Close

General Properties References

Content type: Asset

\*Associated asset

* Type	Code	Path
	3653	/AuroraStorefront/IBM_logo_1200...

0 of 1 selected

Ignore associated asset file size limit

Text (United States English)

# Setup

The screenshot displays the IBM Management Center for WebSphere Commerce interface in Mozilla Firefox. The browser address bar shows the URL: `https://localhost:8000/lobtools/cm/ManagementCenterMain?locale=en_US`. The interface includes a top navigation bar with "Management Center Tools" and a welcome message for "wcsadmin". Below this is a secondary navigation bar with tabs for "Getting Started", "Marketing", "Assets", and "Commerce Composer".

The main content area is titled "IBM E-Marketing Spot 1" and contains the following elements:

- A "Has a widget" checkbox, which is currently unchecked.
- A "Default title content" section with a search bar containing "\*IBM\*" and a "Find and Add" button. Below this is a table with columns for "\* Type", "\* Name", and "Sequence". The table shows "0 of 0 selected".
- A "Default content" section with a search bar containing "\*IBM\*" and a "Find and Add" button. Below this is a table with columns for "\* Type", "\* Name", and "Sequence". The table shows "0 of 1 selected" with one entry: "IBM Content 1".

The left sidebar contains a tree view with the following items:

- Search Results
- Compare View
- Active Work
  - IBM Content 1
  - IBM E-Marketing Spot 1 (selected)
- Activities
  - Activity Templates
- Content
- Customer Segments
- E-Marketing Spots
- E-mail Templates
- Campaigns
- Search Rules
- Search Rule Templates
- Customer Segment Exports

The bottom status bar indicates: "Save action completed for Asset Store Layout HomePageLayout."



# Setup

IBM® Management Center for WebSphere® Commerce - Mozilla Firefox: IBM Edition

https://localhost:8000/lobtools/cmc/ManagementCenterMain?locale=en\_US

Management Center Tools Welcome wcsadmin Log Out IBM

Getting Started Marketing Commerce Composer

File Edit View Help AuroraESite

Store Pages and Layouts

- Search Results
- Compare View
- Active Work
  - HomePageLayout
- Content Pages
- Catalog Pages for Extended S
- Catalog Pages for Extended S
- Catalog Pages for Extended S
- Layouts

HomePageLayout

Manage Layout Design Layout

9

Layout slots and widgets

* Slot	Sequence	Widget Name	Widget Type
7	0.0	HomePageBottomCenterWidget	Content
8	0.0	HomePageBottomRightWidget	Content
9	0.0	E-Marketing Spot Widget	E-Market
1	0.0	HeaderLeftBannerContentWidget	E-Market

## Normal

Store Preview - Mozilla Firefox: IBM Edition

https://localhost:8006/webapp/wcs/preview/servlet/PreviewStore?storeId=0&krypto=ojm67gOwZTMFznY2LD8jnzqcAsalhPhw9QQ6snjq7nYF%2Bj4tEL3v32xJCyOotr

Store Preview

Show Details Show Page Information Generate URL Show Layout Information Stretch to Fit Rotate

provide all-day comfort with their cushioned insole and soft lining. Multi-colored accent lace combinations and patterns are available as a special order.

shop now

50% OFF POLOS

Select from our collection of modern, easy-to-coordinate polo shirts to create a smart but casual look. Available in a kaleidoscope of colors, with superior shape retention and wrinkle resistance. Free shipping on purchases over \$60 before taxes.

shop now

shop now

\*Before taxes. Gift certificates are redeemable on your next visit.

IBM

Customer Service Corporate Info Explore

# Error

The screenshot shows the IBM Management Center for WebSphere Commerce interface in Mozilla Firefox. The browser address bar displays `https://localhost:8000/lobtools/cmc/ManagementCenterMain?locale=en_US`. The application title is "IBM® Management Center for WebSphere® Commerce - Mozilla Firefox: IBM Edition".

The "Management Center Tools" menu is open, showing options: "Getting Started", "Marketing", "Commerce Composer", and "Assets". The "Assets" tab is selected. The top right shows "Welcome wcsadmin" and a "Log Out" button.

The left sidebar contains a tree view with the following structure:

- Search Results
- Compare View
- Active Work
  - \*IBM Content 1
  - IBM E-Marketing Spots 1
- Activities
  - Activity Templates
  - Content
- Customer Segments
  - E-Marketing Spots
  - E-mail Templates
  - Campaigns
  - Search Rules
  - Search Rule Templates
  - Customer Segment Exports

The main content area displays the details for "\*IBM Content 1". A red error message is shown at the top:

**\*IBM Content 1**

The associated asset file `/AuroraStorefrontAssetStore/Attachment/IBM_logo_1200_800.jpg` has a size of 92,824 bytes, which exceeds the size limit of 90,000 bytes for the MIME (file) type `image/jpeg`. Use a smaller file as the associated asset file for the marketing content or select to ignore the associated asset file size limit.

Below the error message, there are two tabs: "General Properties" and "References". The "General Properties" tab is active.

The "General Properties" tab contains the following fields:

- \*Name**: IBM Content 1
- Content folders**: A table with columns \* Type, \* Name, and Path. It shows "0 of 0 selected".
- Content type**: Asset
- \*Associated asset**: A table with columns \* Type, Code, and Path. It shows one entry with Code 3651 and Path `/AuroraStorefrontAssetStore/Attachment/IBM_logo_1200_800.jpg`, with "0 of 1 selected".
- Ignore associated asset file size limit**: A checkbox that is currently unchecked.

The bottom status bar shows a red error icon and the message: "The associated asset file `/AuroraStorefrontAssetStore/Attachme ...`".

# Error

Store Preview - Mozilla Firefox: IBM Edition

https://localhost:8006/webapp/wcs/preview/servlet/PreviewStore?storeId=0&krypto=ef1CUp5xPxUx8zArXMdOc9Paj0B6X66qwXiBvYrV6pX

Store Preview

Show Details Hide Page Information Generate URL Show Layout Information Stretch to Fit Rotate

perfect fit. Lightweight and durable, these flats will provide comfort with their cushioned and soft lining. Multiple lace combinations are available as a special feature.

shop now

perfect fit. Lightweight and durable, these flats will provide comfort with their cushioned and soft lining. Multiple lace combinations are available as a special feature.

kids. Spend \$100\* or more, receive a \$25 gift card. Gift cards are redeemable on any visit.

shop now

Show Information

### Widget Information

#### Wireframe Position

Slot 9, sequence 0.0

#### Widget Properties

Widget orientation: Horizontal  
Widget display style: Transparent background with no borders  
Show a Subscribe link: No  
E-Marketing Spot type: Common e-Marketing Spot

#### Widget Content

#### Web Activities

Create

There are no active Web activities scheduled to this e-Marketing Spot.

The default content is displayed in this e-Marketing Spot.

The content "IBM Content 1" was not displayed because it includes an attachment with a file size of 92824 bytes, which exceeds the marketing file size limit of 90000 bytes for the MIME (file) type image/jpeg. Use a smaller associated asset file or select to ignore the associated asset file size limit in the properties view for the marketing content.

This e-Marketing Spot currently has static behavior. All customers see the same data.

# Configuration

In

/opt/WebSphere/AppServer/profiles/demo/installedApps/WC\_demo\_cell/WC\_demo.ear/xml/config/com.ibm.commerce.marketing/wc-admin-component.xml

```
<_config:configgrouping name="MarketingAttachmentFileSizeLimitGroup">
  <_config:property name="maxDefaultAttachmentFileSize" value="-1"/>
  <!-- Sample Configuration:
  <_config:property name="mimeTypeLimit_image/jpeg" value="256000"/>
  <_config:property name="mimeTypeLimit_video/mpeg" value="512000"/>
  -->
</_config:configgrouping>
```

# Assumptions

- Applicable to files only, not URL
- Marketing Content only
- No customization
- No migration necessary, existing marketing content will use default of ignoring size limit

## Troubleshooting

### Trace

- `com.ibm.commerce.marketing.*`
- `com.ibm.commerce.content.*`
- `WC_ATTACHMENT`
- `com.ibm.commerce.infrastructure.server.commands.*`
- `WC_FOUNDATION`

Query to identify content that has associated assets that exceed the size limit is available in the info center in the marketing component configuration file link.

## References

- Configuration
  - Marketing component configuration files (wc-admin-component.xml)
- Checkbox
  - Ignore file size limit checkbox



Thank You!

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