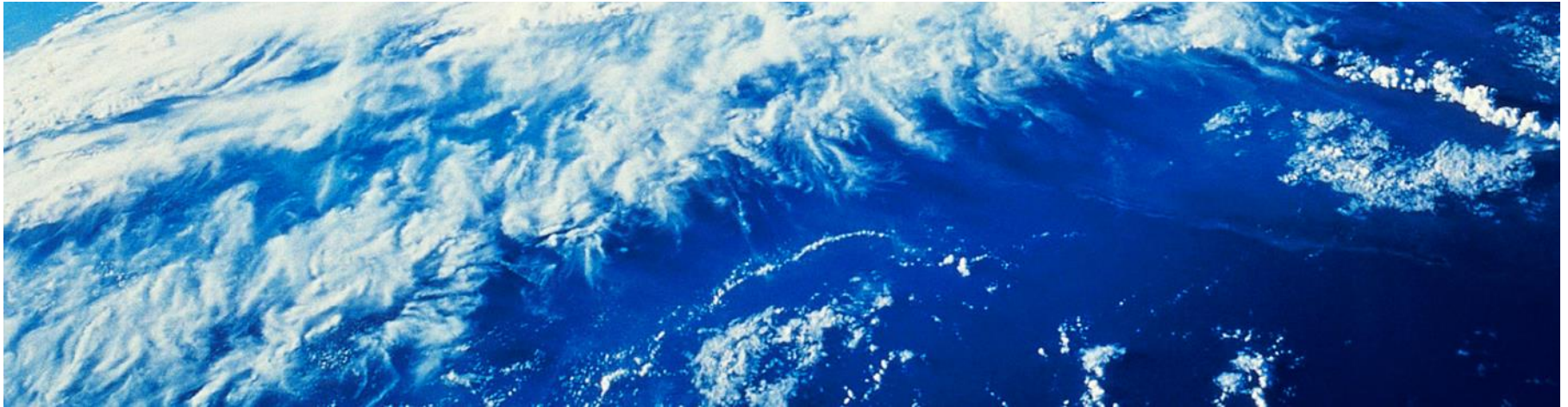


IBM WebSphere Commerce V8.0

Management Center
Bruce Baker – December 2, 2015



Agenda

- Introduction
- Changed and unchanged features and behavior
- Architecture
- Demo (sample pages)
- Customization
- Adoption
- Assumptions
- Troubleshooting

Introduction

- Management Center is the business user tooling for WebSphere Commerce
- First introduced in a feature pack in Version 6
- Many enhancements in the Version 7 feature packs
- Launched through the URL <https://<host>:8000/lobtools>
- Business user logs in, selects a tool, and manages their business objects
- Works on base content or in the context of a workspace

Changed in Version 8

- No more OpenLaszlo or Flash
- UI ported to DHTML
- No need to compile/re-compile SWF

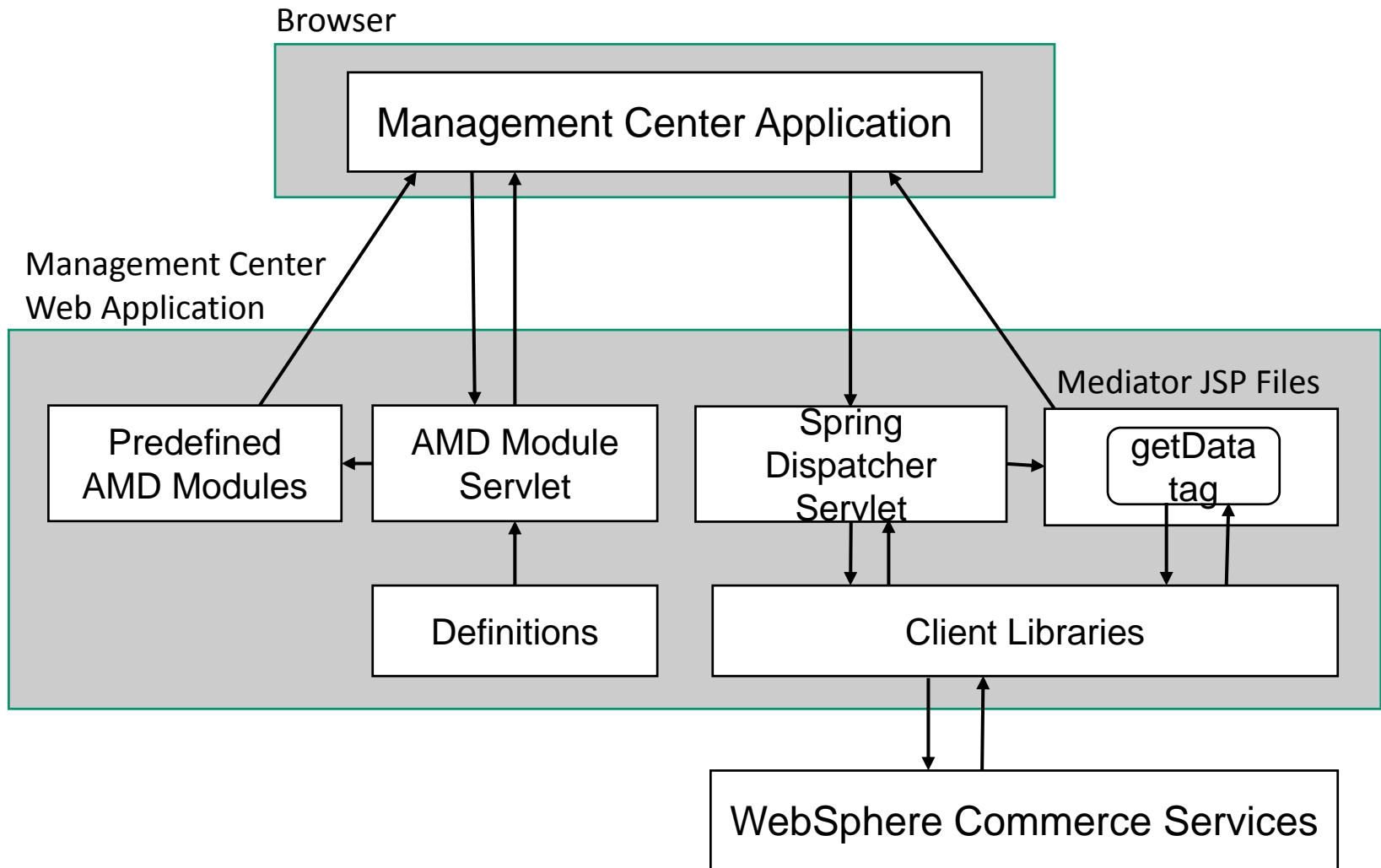
- No more Struts Actions or Struts configuration
- Struts actions ported to Spring Controllers
- Struts configuration ported to Spring configuration

- New look to user interface

Unchanged in Version 8

- Management Center Framework concepts
- Mediator JSPs
- Component Services
- Client object and get data configurations

High Level Architecture



Management Center Definitions

- Definitions in XML files (LOBTools/WebContent/WEB-INF/src/xml)
- Three types
 - Class definitions
 - Class instance definitions
 - Singleton definitions
- Hierarchical declaration
- Module Servlet parses definitions and returns AMD (Asynchronous Module Definition) modules
- Definition names are AMD module names e.g. “cmc/foundation/ObjectDefinition”
- Dependencies on other modules are declared with <dependency> tag
- Circular dependencies are allowed
- JavaScript embedded in Class and Singleton definitions within methods, handlers, and variable expressions

Predefined Foundation Modules

- Set of foundation modules written directly in JavaScript
- Under LOBTools/WebContent/dojo/cmc
 - cmc/RootComponent
 - cmc/foundation/Node
 - cmc/foundation/Component
 - cmc/foundation/Animator
 - cmc/foundation/Clipboard
 - cmc/foundation/ContextMenuComponent
 - cmc/foundation/CursorUtil
 - cmc/foundation/DefinitionUtil
 - cmc/foundation/DrawComponent
 - cmc/foundation/EventHandler
 - cmc/foundation/EventUtil
 - cmc/foundation/FocusUtil
 - cmc/foundation/InputTextComponent
 - cmc/foundation/KeyUtil
 - cmc/foundation/Layout
 - cmc/foundation/ModalUtil
 - cmc/foundation/MouseUtil
 - cmc/foundation/ResizeLayout
 - cmc/foundation/StableBorderLayout
 - cmc/foundation/State
 - cmc/foundation/TextComponent
 - cmc/foundation/Timer
 - cmc/foundation/TrackComponent
 - cmc/foundation/TrackUtil
 - cmc/foundation/WrappingLayout
 - cmc/foundation/XMLUtil

dojo

- The dojo AMD loader is used to load predefined modules and definition modules
- The dojo declare feature is used to create classes
- No dojo widgets used

Demo

IBM® Management Center for WebSphere® Commerce

Username

Password

Change password

[Log in](#)

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Getting Started x



Management Center Product Tour

Management Center enables business users to perform catalog management, promotion, and marketing tasks to create, update, and maintain merchandising and marketing assets in stores using the consumer direct, B2B direct, and extended sites business models.

Learn about:

- Key features in Management Center
- How to complete tasks in various ways
- How to define your work area
- How to browse and search
- How to personalize your Management Center

Commerce Composer



Page layouts

Learn how to create a new page for your store and design a layout by using widgets.

[Read more...](#)

Promotions



Store promotions

Learn how to find the right promotion type to base your promotion on, limited to products from a specific manufacturer, and use the store promotion works correctly.

[Read more...](#)





Management Center Tools Welcome wcsadmin | Log Out

- Catalogs
- Marketing
- Promotions
- Assets
- Catalog Filter and Pricing
- Installments
- Commerce Composer**
- Store Management
- Getting Started
- Preferences...

Commerce Composer Product Tour

business users to perform catalog management, promotion, and update, and maintain merchandising and marketing assets in stores using select, and extended sites business models.

Commerce Composer provides various ways to manage your Commerce Management Center.

Commerce Composer

Page layouts
Learn how to create a new page for your store and design a layout by using widgets.
[Read more...](#)

Promotions

Store promotions
Learn how to find the right promotion type to base your promotion campaign limited to products from a specific manufacturer, and use the store promotion works correctly.
[Read more...](#)

Java EE - LOBTools/WebContent/WEB-INF/src/xml/commerce/shell/ToolBannerArea.xml - Rational® Application Developer for WebSphere® Software - W:\WCDE_IN...

File Edit Source Navigate Search Project Run Window Help

Quick Access Java EE

ToolBannerArea.xml

```

15 -->
16 <Definitions>
17
18 <!--
19 This class defines the banner area in Management Center. It consists of the main
20 application menu on the left, and welcome text, link to log out of the application
21 and the branding logo on the right.
22 <P/>
23 You can re-arrange the areas by changing the order within the source file.
24 -->
25 <FocusableComponent classDefinition="true" definitionName="omc/shell/BannerArea" focusable="false" width="${this.immediat
26 <dependency localName="SingletonRegistry" moduleName="omc/foundation/SingletonRegistry"/>
27 <Component height="${this.parent.height}" name="applicationSelectionView" width="${SingletonRegistry.applicationMenu.
28 <Component ignoreLayout="true" bgcolor="#323232" name="backgroundView" width="${this.parent.width}" height="${this
29 <ApplicationMenu id="applicationMenu" package="omc/shell" height="${this.parent.height}"/>
30 </Component>
31 <Component height="${this.parent.height}" name="bannerHeaderView" width="${this.parent.width - SingletonRegistry.appl
32 <Component ignoreLayout="true" bgcolor="#323232" name="headerBackgroundView" width="${this.parent.width}" height=
33 <Component align="right" height="${this.parent.height}" name="bannerRightView">
34 <WorkspaceIndicator id="workspaceIndicator" package="omc/shell" y="10"/>
35 <Component width="5"/>
36 <WelcomeText fgcolor="${this.classroot.style.titletextcolor}" fontsize="13" name="welcomeText" package="omc/s
37 <Component name="blank1" width="10"/>
38 <Component imageSet="/images/commerce/shell/restricted/resources/header_divider.png" name="headerDivider"/>
39 <Component name="blank2" width="10"/>
40 <LogoutLink name="logoutLink" package="omc/shell" y="10"/>
41 <Component name="blank3" width="50"/>
42 <Component imageSet="/images/commerce/shell/resources/ibm_logo.png" name="headerLogo" y="12.5"/>
43 <Component name="blank4" width="20"/>
44 <AxisLayout axis="x"/>
45 </Component>
46 </Component>
47 <AxisLayout axis="x" spacing="0"/>
48 </FocusableComponent>
49
50 </Definitions>

```

Design Source

Definitions/FocusableComponent/Component/Component/bgcolor Writable Smart Insert 32 : 55

Java EE - LOBTools/WebContent/WEB-INF/src/xml/commerce/shell/ToolBannerArea.xml - Rational® Application Developer for WebSphere® Software - W:\WCDE_INT80\workspace

File Edit Navigate Search Project Run Design Window Help

Quick Access Java EE

ToolBannerArea.xml

```

10
11 US Government Users Restricted Rights - Use, duplication or
12 disclosure restricted by GSA ADP Schedule Contract with
13 IBM Corp.
14 =====
15 -->
16 <Definitions>
17
18 <!--
19 This class defines the banner area in Management Center. It consists of the main
20 application menu on the left, and welcome text, link to log out of the application
21 and the branding logo on the right.
22 <P/>
23 You can re-arrange the areas by changing the order within the source file.

```

Design Source

Markers Properties Servers Data Source Explorer Snippets Problems Console Search Annotations

WebSphere Commerce Test Server (WebSphere Application Server v8.5)

```

.ws.webcontainer.servlet.ServletWrapper init SRVE0242I: [WC] [/lobtools] [/jsp/commerce/pagelayout/restricted/serialize/SerializeLay
.ws.webcontainer.servlet.ServletWrapper init SRVE0242I: [WC] [/lobtools] [/jsp/commerce/pagelayout/restricted/GetWidgetDefDisplayNar
.ws.webcontainer.servlet.ServletWrapper init SRVE0242I: [WC] [/lobtools] [/jsp/commerce/foundation/restricted/GetFolderReferences.js
.ws.webcontainer.servlet.ServletWrapper init SRVE0242I: [WC] [/lobtools] [/jsp/commerce/pagelayout/restricted/GetPageLayoutTemplate
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() definition to module generate start
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() generated 10 definitions.
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() definition to module generate end
.ws.webcontainer.internal.WebContainer handleRequest SRVE0255E: A WebGroup/Virtual Host to handle /favicon.ico has not been defined.
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() definition to module generate start
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() generated 10 definitions.
.commerce.foundation.internal.client.lobtools.dhtml.DefinitionToModuleGenerator generate() definition to module generate end
.ws.webcontainer.internal.WebContainer handleRequest SRVE0255E: A WebGroup/Virtual Host to handle /favicon.ico has not been defined.
.ws.webcontainer.servlet.ServletWrapper init SRVE0242I: [WC] [/lobtools] [/jsp/commerce/catalog/restricted/GetCatalogChildren.jsp]:
.ws.ffdc.impl.FfdcProvider logIncident FFDC1003I: FFDC Incident emitted on W:\WCDE_I~1\wasprofile\logs\ffdc\server1_de30e647_15.12.0
.ws.ffdc.impl.FfdcProvider logIncident FFDC1003I: FFDC Incident emitted on W:\WCDE_I~1\wasprofile\logs\ffdc\server1_de30e647_15.12.0
.ws.webcontainer.servlet.ServletWrapper service SRVE0014E: Uncaught service() exception root cause Alias Proxy File Servlet: javax.s

```

type filter text

Customization

- To customize Management Center UI you will need knowledge of JavaScript, XML, and the Management Center Framework
- Management Center definitions are xml files in LOBTools/WebContent/WEB-INF/src/xml
- New definition files with new definitions can be added under this directory
- Out of the box definition files that are NOT under a “restricted” directory can be modified directly
- Clients can define new business tools and new business objects or extend existing business objects and business tools
- Changes to definition files are detected by the AMD Module Servlet based on file timestamp
 - No need to restart the server
 - You are required to clear the browser cache and re-launch Management Center
- Custom Spring controllers are configured in spring-extension.xml (including overriding out of the box configurations)

Adoption

- New customers can adopt and customize V8 Management Center immediately
- Migration tools for existing customers coming soon
- Customers with existing Management Center UI customizations can do one of the following
 - Re-apply their customizations manually
 - Use their existing V7 FEP8 LOBTools.war with V8 while they wait for the migration tools

Assumptions

- Management Center has the same level of accessibility as Version 7
- DHTML Management Center is not a re-write – it is a port – so features and behaviors are mostly unchanged from Version 7
- Similar level of BIDI support as Version 7
 - You can input/modify BIDI text
 - No mirroring support for UI

Troubleshooting

- Launch Management Center with `logger.display=true` to enable client logging and tracing features
- Use browser console (e.g. firebug) to find unhandled exceptions
- Use JavaScript script debuggers to debug custom JavaScript
- Use server trace: `com.ibm.commerce.foundation.client.lobtools`
- Check server logs when you change a definition. If the file can't be parsed errors will be logged.

References

- The Knowledge Center contains updated tutorials and documentation
- Start here: http://www-01.ibm.com/support/knowledgecenter/SSZLC2_8.0.0/com.ibm.commerce.management-center_customization.doc/concepts/ctf_managementcenter_framework_overview.htm

Other sessions related to WC V8 and Commerce Insights

Date	Time	Session	Topics	Speaker(s)
Mon 30 Nov	10:00-12:00 ET	Overview	Overview session, covering all that is new in WC V8 and CI	Nicolai Nielsen
Tue 01 Dec	10:00-12:00 ET	Commerce Insights	Functionality and on-boarding for Commerce Insights	Katherine Langdon Karson Ng Daisy Tan
Wed 02 Dec	10:00-12:00 ET	Management Center	New framework and UI for IBM Management Center	Bruce Baker Judy Chan
Thu 03 Dec	10:00-12:00 ET	Stack Changes	Changes in the stack, licensing, and removed features in WC V8	Nicolai Nielsen
Fri 04 Dec	10:00-12:00 ET	Migration	Migration approach and tooling in WC V8	Nicolai Nielsen
Mon 07 Dec	10:00-12:00 ET	Customer Service	Overview of the new Aurora Customer Service tools	Guru Shamanna Karson Ng
Tue 08 Dec	10:00-11:00 ET	Social Commerce Accelerators	Coverage for the Social Commerce Accelerators (note: not V8-specific)	Nicolai Nielsen
Tue 08 Dec	11:00-12:00 ET	New Maintenance Strategy		Nicolai Nielsen

Also: Internet Retailer Webinar, hosted by IBM on December 2 at 2pm ET:

Turning Commerce Data into Online Merchandising Insight

<https://www.internetretailer.com/webinars/turning-commerce-data-online-merchandising-insight/>

Thank You!

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