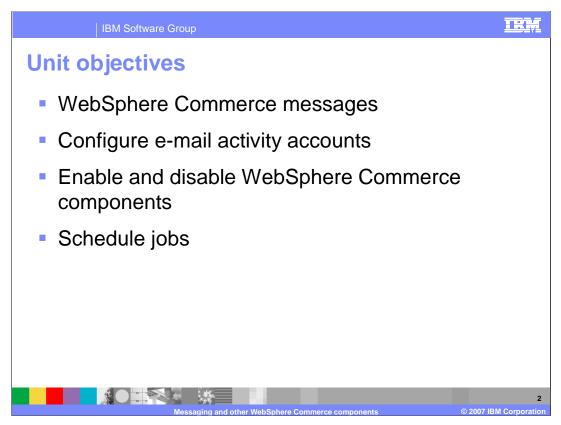
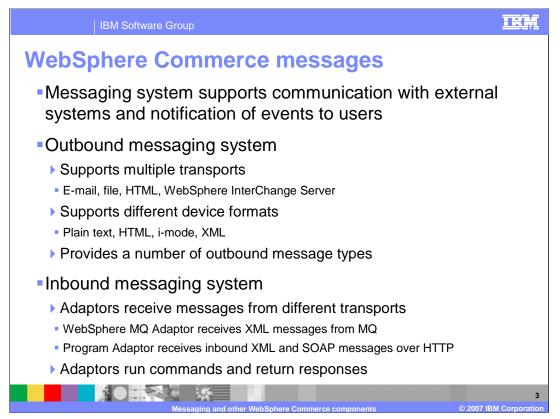


Welcome to this presentation on WebSphere Commerce. This presentation discusses messaging, e-mail account set-up and other WebSphere Commerce components.



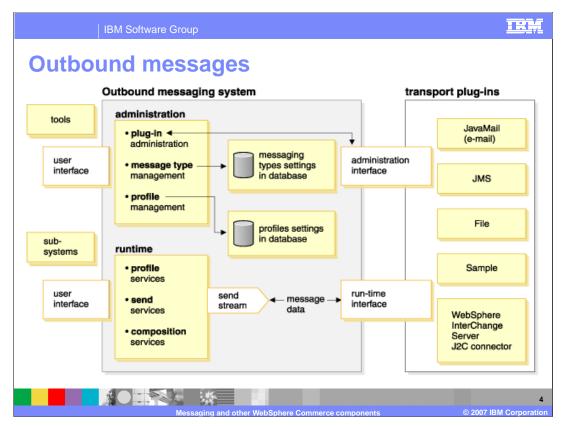
This presentation discusses how to interpret WebSphere Commerce messages, configure e-mail activity accounts, enable and disable WebSphere Commerce components, and schedule jobs.



The WebSphere Commerce messaging system allows you to manage all aspects of defining and sending messages generated within WebSphere Commerce. It allows you to control the manner in which administrators, customers, back-end, and fulfillment center systems are notified of various events, such as customer orders or system errors.

Outbound messages are typically used to notify users or other applications of changes in the system such as an error, a new order, or a reset password. WebSphere Commerce supports multiple standard transport types, but additional transports can be created with the Java 2 Enterprise Edition Connector Architecture.

Inbound messages are used to update the WebSphere Commerce system with data from an external application, for instance, an inventory update or new user creation.

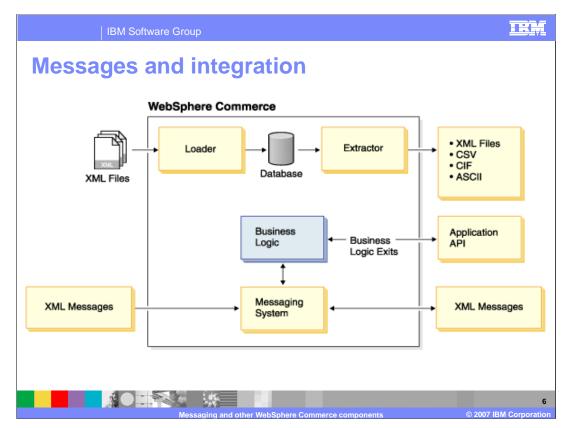


To configure the outbound messaging system, use the WebSphere Commerce Administration Console. The messaging system can send messages using transports such as e-mail or file. For e-mail the supported outbound protocol is SMTP. The message encoding depends on your preferred language and the store and site default language. Optionally, you can configure the messaging system to send messages to a back-end or fulfillment center system using WebSphere MQ.

The outbound messaging system provides a highly customizable messaging environment. Some of the WebSphere Commerce messages use the message composition services. Through the use of JavaServer Page files, the composition services generate a message before it is sent through the transport. Multiple message transmissions support allows you to send a single message through more than one transport.

st of outbound messages			
Message name in Administration Console	Message type name in MSGTYPE table		
Message to notify approvers	ApproversNotify		
A broadcast message	BroadcastMessage		
Description of an error condition	ErrorMessage		
An invoice message	Invoice		
Message for notifying merchant of an order.	MerchantOrderNotify		
Notification message for canceled order	OrderCancel		
Notification of approved reseller registration	ResellerRegistrationApprovedNotify		
Outbound message for WebSphere Commerce XML create	OrderCreateXMLFormat		

There are a large number of pre-defined outbound messages. The list provides some common ones. There are also several pre-defined inbound messages designed for common integration scenarios.

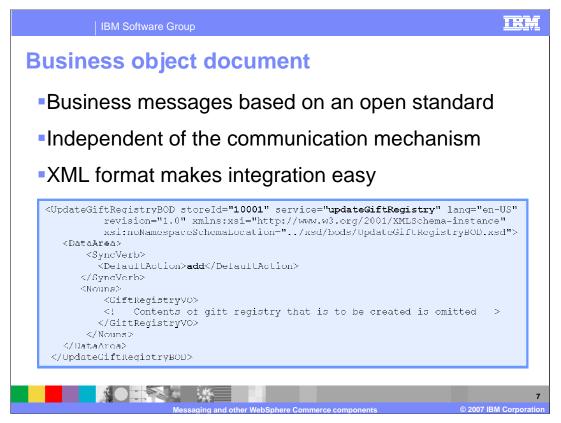


In WebSphere Commerce business logic is enabled for integration and built-in adapters and interfaces are provided for common integration points. The WebSphere Commerce integration solution leverages integration standards by using various IBM connectivity solutions.

WebSphere Commerce can integrate with customers by multiple channels such as backend systems within the enterprise, partners and suppliers.

Inbound messages are used to run commands in WebSphere Commerce based on messages coming from back-end systems. Outbound messages can be generated by the outbound messaging system in order to update back-end systems with events that have taken place, such as a new customer order.

This diagram shows WebSphere Commerce components and utilities used to communicate with external systems. For example, XML files can be used as input by the massload utility which uses the files to populate the WebSphere Commerce database. The Extractor utility can be used to extract data from the WebSphere Commerce database into various file formats. XML messages are also used as input to the Messaging system, based on the content of the XML messages the Messaging system can perform business logic or send messages to an external system.



Business object documents are an open standard message architecture developed by the open applications group. They are most commonly sent in a SOAP message over HTTP but are not required to be transported in that way.

These types of messages are used for the integration of IBM Gift Center and IBM Sales Center applications.

IBM Software Group	IRM
Configuring e-mail activity accounts	_
Select > AdvancedB2BDirect - United States English	
Access Management Monitoring Configuration Help	
Logout > Home > Email Activities	
Outbound Account       Ok       Cancel         Inbound Account       Outbound E-mail Activity Account Configuration       Name         Description       Description       Description         Host       E-mail address       Description         Requires authentication       Requires authentication       Description	
	<b>•</b>
Messading and other WebSphere Commerce components	8 2007 IBM Corporation

E-mail activities allow you to deliver news and promotions to customers using e-mail. This allows you to reach customers who may not have visited your site in some time, or to keep regular customers up to date regarding upcoming events or products. Optionally, you may associate an e-mail activity with a campaign, which helps organize the gathered statistics into more meaningful reports.

E-mail activities are created using the e-mail activity dialog in the WebSphere Commerce Accelerator. When creating an e-mail activity, you must select the template upon which it is based. This template can be defined either before creating the e-mail activity, or as part of the e-mail activity creation. However, before e-mail activity creation, your site administrator must configure the e-mail accounts used by the e-mail activity system.

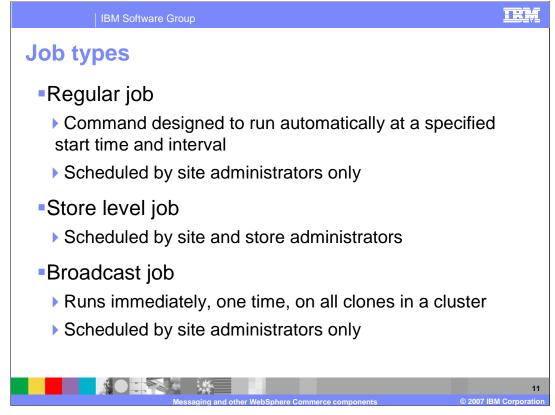
E-mail activities send a single dynamic e-mail message to multiple recipients. An activity is not sent as a single e-mail with multiple target addresses, but rather as an e-mail sent multiple times, once each to every selected target e-mail address. Sending e-mail activities like this eliminates the ability of a recipient to see the e-mail addresses of the other recipients, and should reduce privacy concerns.

IBM Software Gro	pup		
Configuring tra	ansports		
Select > Site Administr	ation Console	X	
Security Monitoring Confi	guration Store Archives H	elp	
Logout > Home > Transports			
Transport Configuration 5 items	Page Nu	mber 1 Go First 1 of 1  Last »	
□ Name	Description	Transport Status	Add
E-mail	E-mail sender	Active	
File File	File Writer	Inactive	Configure
WebSphere MQ	WebSphere MQ	Inactive	Change Status
WebSphere InterChange Server	WebSphere InterChange Server	Inactive	
Sample adapter	Sample adapter	Inactive	
	essaging and other WebSphere Commerce		9 © 2007 IBM Corporation

Use Transport Configuration to define the transports for the site or store. You can configure transports from the WebSphere Commerce Site Administration Console. Select **Add** to add a supported transport if it is not listed, or use Configure to change the settings for an existing transport. You can also activate or deactivate transports with the **Change Status** button. The parameters that you can modify vary for each transport, for example the e-mail transport allows you to specify the host, port, and protocol used to send messages.

IBM Software Group				IRM
Configuring mess	age ty	pes		
Select > Site Administration (			<b>X</b>	
Security Monitoring Configuratio	in Store Art	chives Help		
Logout > Home > Message Types				
Message Type Configuration 25 items		Page Number •• First  1 of 2	r 1 Go ! Next + Last +	
Message Type	Severity Range	Transport	Transport Status	New
Description of an error condition occuring in WebSphere Commerce	0 - 0	E-mail	Active	Change
Message for an authorized order	0-0	E-mail	Active	DEIECE
Message for a received order	0 - 0	E-mail	Active	
Message for a rejected order	0 - 0	E-mail	Active	
Message for notifying the merchant of <u>an order</u>	0 - 0	E-mail	Active	
Notification message for a canceled order	0 - 0	E-mail	Active	
Notification message for password reset	0 - 0	E-mail	Active	
A broadcast message	0 - 0	E-mail	Active	<b>T</b>
				1
Messaging	and other WebSpl	nere Commerce com	nponents	© 2007 IBM Corporati

You can configure transports from the WebSphere Commerce Site Administration Console. Use the Message Type configuration tool to define the message types used by a store. From this screen you can add new message types or change existing ones. When configuring message types, you can specify the message type, transport, and device format, along with other parameters.



Site administrators can schedule any command in the system to run. Store administrators can only select from a predefined list of commands. These commands implement a task command that checks to see if the job needs to run, so that processing on the server is minimized.

Se	lect > Site Administration Cons	ole						
Securi	ty Monitoring Configuration	Store Archi	ives Help					
Logout	> Home > Scheduler							
Sche	eduler Status Display			D		1 Go		
<b>462</b> ite	ems			2	e Number     1 of 31   N	I Go lext + Last +		
Date i	range: 7/24/06 12:00 AM	1	1		1		Date	Range
C C	ommand	State 🕇	Status 🕇	Start ate	Finished	Application Type	New	
	aiseECEvent	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM			Broadcast
	leanECEvent	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM		Char Dele	2
	xperimentCheckExpiry	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM		Rem	ove Record
	cheduledContentManagedFileEARUpdate	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM		Rem Reco	ove All ords
	<u>ynaCacheInvalidation</u>	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM		Refr	esh
	endTransactedMsg	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM			
	aySynchronizePM	Complete	Successful	7/24/06 12:00 AM	7/24/06 12:00 AM			
				12.00 AM	12.00 AM			

The Scheduler Status display page in the Site Administration Console shows information about scheduled jobs, allows you to create, change, and delete jobs, and removing completed job status records. This page functions both as a means to schedule and monitor scheduled jobs, and a way to review jobs that have already run.

IBM Software Group	IEM
Scheduling new jobs	
Select >         Site Administration Console           Security         Monitoring         Configuration         Store Archives         Help           Logout > Home > Scheduler >         New Scheduled Job         New Scheduled Job         Store Archives         Help	
ок Cancel New Scheduled Job	
Job command ACSearchForCustGrpsICanAdminView Job parameters	
Year Month Day Start date I III III Start time Associated user	
Allowed host	
Schedule interval Job attempts	
Seconds to retry	
Messaging and other WebSphere Commerce components © 2007 IBM	13 I Corporation

To create a new scheduled job, select the command from the drop-down list and enter the appropriate command parameters and job options such as start date, interval, attempts, and priority. If the start date is in the past, the job will start immediately. If interval is not specified the job only runs once.

In the Store Administration Console, the drop-down list will only include the permitted store level jobs. In the Site Administration Console, the drop down list will display all controller commands in the system.

Scheduled job name	Recommended start time	Recommended interval (seconds)	Recommended priority
BalancePayment	00:00	86400	1
PayCleanup	00:00	86400	1
ReturnCreditAndClos eScan	00:00	86400	1
ProcessBackorders	00:00	43200	8
RAReallocate	00:00	86400	1
ReleaseExpiredAlloca tions	00:00	3600	8
ReleaseToFulfillment	00:00	600	10

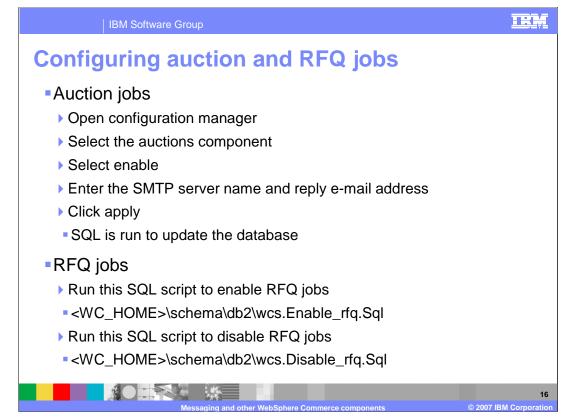
After publishing a store, scheduled jobs need to be created for the store depending on the features that the store uses. Stores which do not support ATP inventory should have BalancePayment, PayCleanup, and ReturnCreditAndCloseScan jobs.

eature	s requiring sch	eduled jobs
Feature	Commands	Notes
Payment	PaySynchronizePM	Enabled by default every 5 minutes
	PaymentSummaryGenerate	Store level job
	BalancePayment	Store level job
	PayCleanup	Store level job
Returns	ReturnCreditAndCloseScan	Store level job
Inventory	ProcessBackorders	Store level job
	RAReallocate	Store level job
	ReleaseExpiredAllocations	Store level job
	ReleaseToFulfillment	Store level job
Auctions		7 jobs
RFQ		6 jobs
Coupons	SchedCoupon	Enabled by default twice each day
Messaging	SendTransactedMsg	Enabled by default every 5 minutes
Security	SecurityCheck	Enabled by default every 30 days

A number of features in WebSphere Commerce use scheduled jobs. When a WebSphere Commerce database is created, some scheduler jobs are created and activated by default.

The PaySynchronizePM job synchronizes payment information with WebSphere Payment Manager. The SendTransactedMsg job delivers messages. The SecurityCheck job checks system security and the SchedCoupon job processes expired coupons.

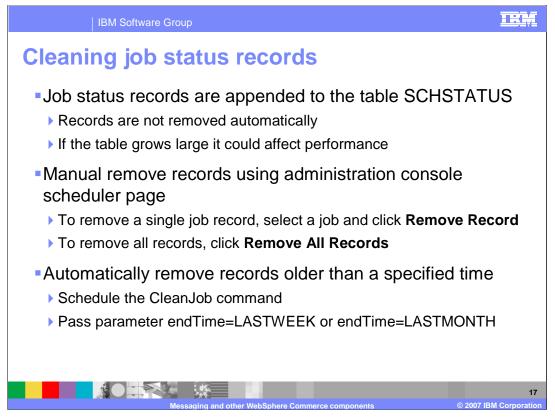
In addition to these jobs, jobs for auctions and request for quotes (RFQs) are defined but not activated.



Scheduler jobs for the auction and RFQ trading methods must be enabled at the site level by running SQL scripts to update SCHCONFIG and SCHACTIVE database tables.

For auctions, the SQL script will be run by configuration manager when you select the enable check box on the auctions component page.

For RFQ, you must run the SQL script manually from a DB2 command window.

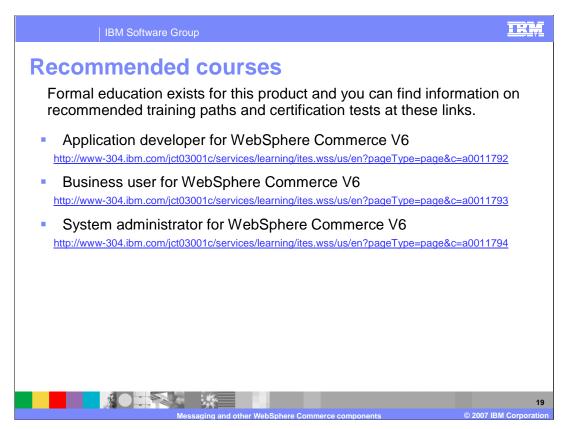


If the SCHSTATUS table grows too large it may affect performance. Records can be cleaned manually from the administration console scheduler page or automatically with the CleanJob command.

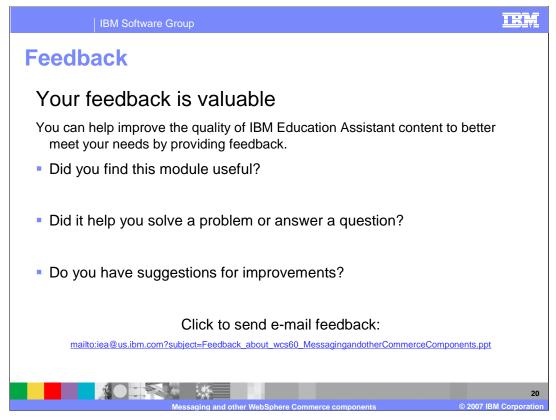
IBM Software Group	<u>IR</u>
Add and remove WebSphere Comme	rce components
Select > Site Administration Console	
Security Monitoring Configuration Store Archives Help	
Logout > Home > Component Configuration	
	OK Cancel
DynaCacheFilterMappings Message mapper Orders member groups persist listener Orders member groups persist listener OrderSubmit Event OrderSubmit Event Listener Payment Authorization Complete Event Payment Rule Event Remove All Migrate Guest C	rie" uation Event Listener ging Event ging Event Listener DSphere MQ (TransportAdapter) Orders Event Listener Julation Event Listener
Post Publish Event Listener Order History Ev Product advisor invocation listener V Order Item Crea	vent Listener

The Component Configuration page allows you to dynamically select which server components are enabled. Many of the components are Event Listeners, which are used to collect statistics on site usage or specific events. These statistics are available in many forms, including reports available in Accelerator and Analyzer. Other WebSphere Commerce features may also use components to enable and disable functionality, for instance DynaCache, which uses the DynaCacheCookie component to allow the edge cache access to session information.

To add or remove WebSphere Commerce components, first open the Administration Console and select Site on the Administration Console Site/Store Selection page; then from the Configuration menu, click on Component Configuration. Use the Add and Remove buttons in the center to move components between the two list boxes. Components in the left box will be used by WebSphere Commerce. Click OK to save the component configuration. WebSphere Commerce does not need to be restarted for your changes to go into effect.



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