



Eclipse Business Connect XML

Release 8.6.4 (Eterm)

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Eclipse Business Connect XML Overview

Using Eclipse Business Connect XML (referred to in this documentation as Business Connect XML) you can take advantage of real-time collaboration between systems, no matter how similar or dissimilar they may be. Use the integrated mapping utility to establish electronic trading relationships with your customers and vendors, as well as other distributors using XML. You can receive transactions, such as orders, from your customers in any XML format and translate outgoing XML transactions, such as order confirmations, into a format your customers' systems can understand. Using the HTTPs transport protocol, you can ensure your transactions and data are traded securely.

Use Business Connect XML to:

- Eliminate EDI VAN and portal charges by linking directly with customers, vendors, and other distributors.
- Improve your customer service by making it easier for your customers to get what they want, when they want it.
- Reduce costs associated with manual transactions and their potential errors.
- Increase inventory visibility of slow-moving items and dead stock.
- Sell excess inventory to other distributors, optimizing the use of your warehouse space.
- Fill orders from other wholesalers' inventory.
- Save time by taking advantage of existing resources.
- Save on mapping costs by setting up your own trading partner relationships.
- Receive orders and inquiries from your customers through supply-chain marketplaces such as Ariba, DataStream, MRO, MROSoup, Commerce One®, and Pantellos®.

You might have electronic trading relationships established with customers and vendors that also use Eclipse through the Eclipse B2B Commerce companion product. If you conduct electronic business with other Eclipse users, you can still use B2B Commerce to complete those transactions. Use Business Connect XML to complete XML transactions with customers and vendors who are not using Eclipse.

Use this document to guide you through creating trading partner profiles, mapping XML transactions, and sending and receiving XML transactions through the Eclipse system.

Note: The content of the Business Connect XML online Help assumes you have a working knowledge of XML, Windows applications, and the Eclipse system.

Getting Started with Business Connect XML

Consider the following when setting up an XML document trading relationship with your trading partners:

- What are my trading partner's e-commerce capabilities?
- What documents and transactions do I want to exchange with my trading partners?
- Do my trading partners conduct business through an online portal, such as the Ariba Supplier Network?
- What manual processes will this new relationship automate?
- Who will manage the trading partner relationships going forward?

Your answers to these questions dictate how and when you implement each trading relationship.

What Do I Need From My Trading Partners?

Before exchanging XML documents with your trading partners, obtain the following items for each transaction you plan to trade:

- **Document type definition (DTD) files** – For each transaction type, the DTD is required to complete the transaction map using the Business Connect XML mapping utility.
- **Document specifications** – Defines required elements, what data is contained in each element, and element descriptions.
- **Sample XML documents** – Use sample XML documents to determine which fields from the DTD the trading partner uses and to test transactions after creating the transaction map.

Meet with your trading partners to discuss the best way to map their transaction data in and out of Eclipse and work with them to determine the following:

- Transactions to trade.
- Definitions of all data fields in the XML documents.
- The intended purpose or use of each field in the XML document.
- Post URL for each document.
- Workflow procedures that both parties use when processing transactions.

How Do I Get Started?

After you determine which transactions you are going to trade using XML and have obtained the necessary documents from your trading partner, complete the following tasks to get started using the Business Connect XML application.

1. Learn how XML documents flow from your trading partner through the Eclipse system.
 - How XML documents flow through the system.
 - Example XML data flow .
 - Example XML data flow with marketplace diagram.
2. Set system, customer, and vendor parameters in Eclipse.
3. Learn about XML database schemas and how they form transactions.
4. Use the Business Connect XML mapping utility to create transaction maps for each transaction you complete with your trading partners.
 - Learn about the Business Connect XML mapping utility and its symbols.
 - Add trading partners to the mapping utility.
 - Learn about transaction maps.
 - Create an XML transaction map for each transaction.
 - Define XML mapping selection criteria.
 - Modify incoming and outgoing data, if necessary.
5. Send and receive transactions from your customers and vendors.

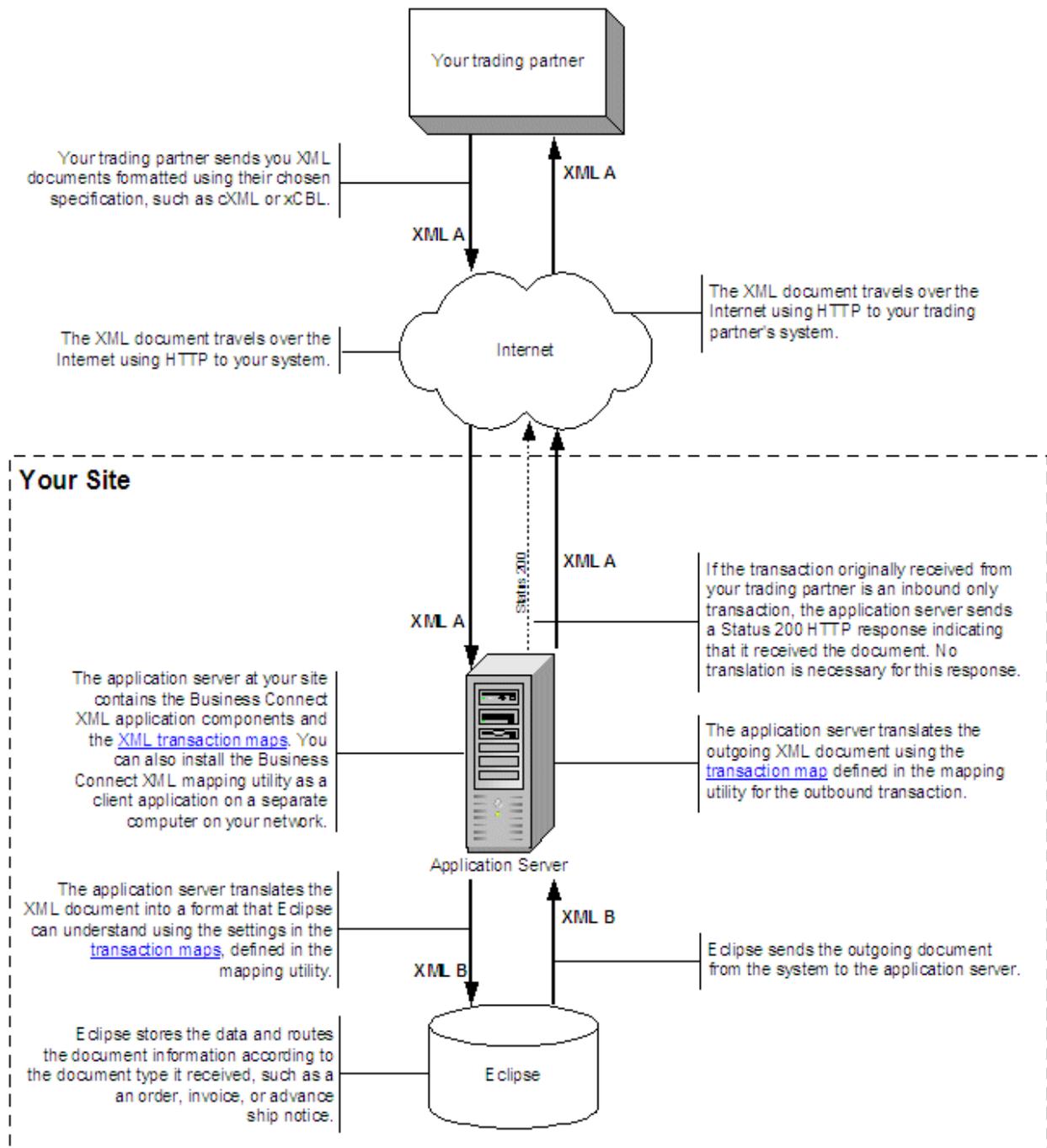
See Also:

Eclipse Business Connect XML Overview

How XML Documents Flow Through the System

The following diagram illustrates how XML documents flow from your trading partner through your application server and on to Eclipse.

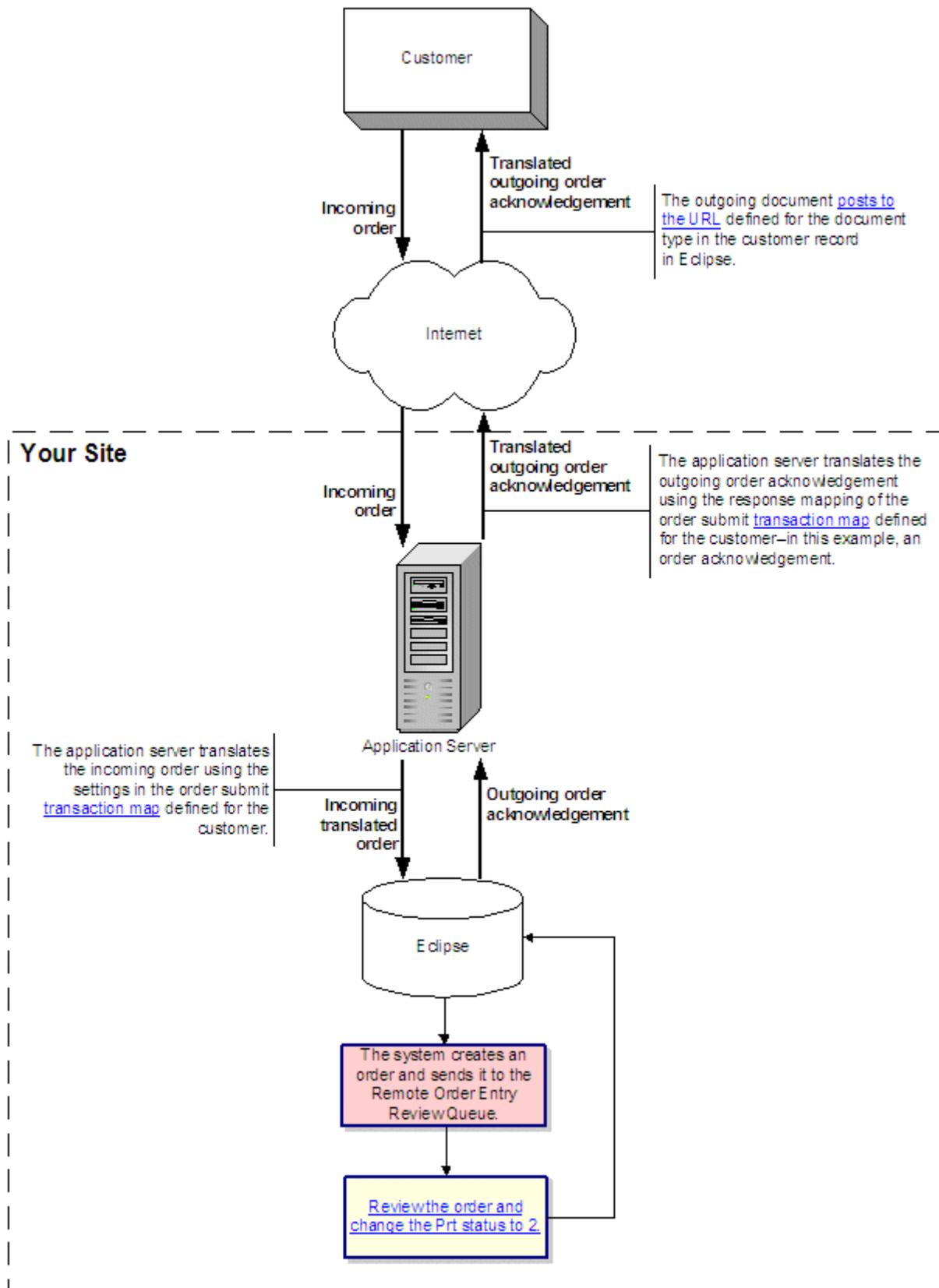
If you are sending an outbound only transaction, such as an invoice to your customer, the XML document originates in Eclipse with no inbound component. In the diagram below, start with the Eclipse symbol at the bottom and follow the flow up the right side to the trading partner.



Example XML Data Flow

The following diagram illustrates how XML documents for an order submit transaction flow from a customer flow through the system to the application server and on to Eclipse.

In the example below, you have a transaction map defined for an order submit transaction that contains a received document map for an order submit transaction type, and sent document map for an order acknowledgement transaction type.

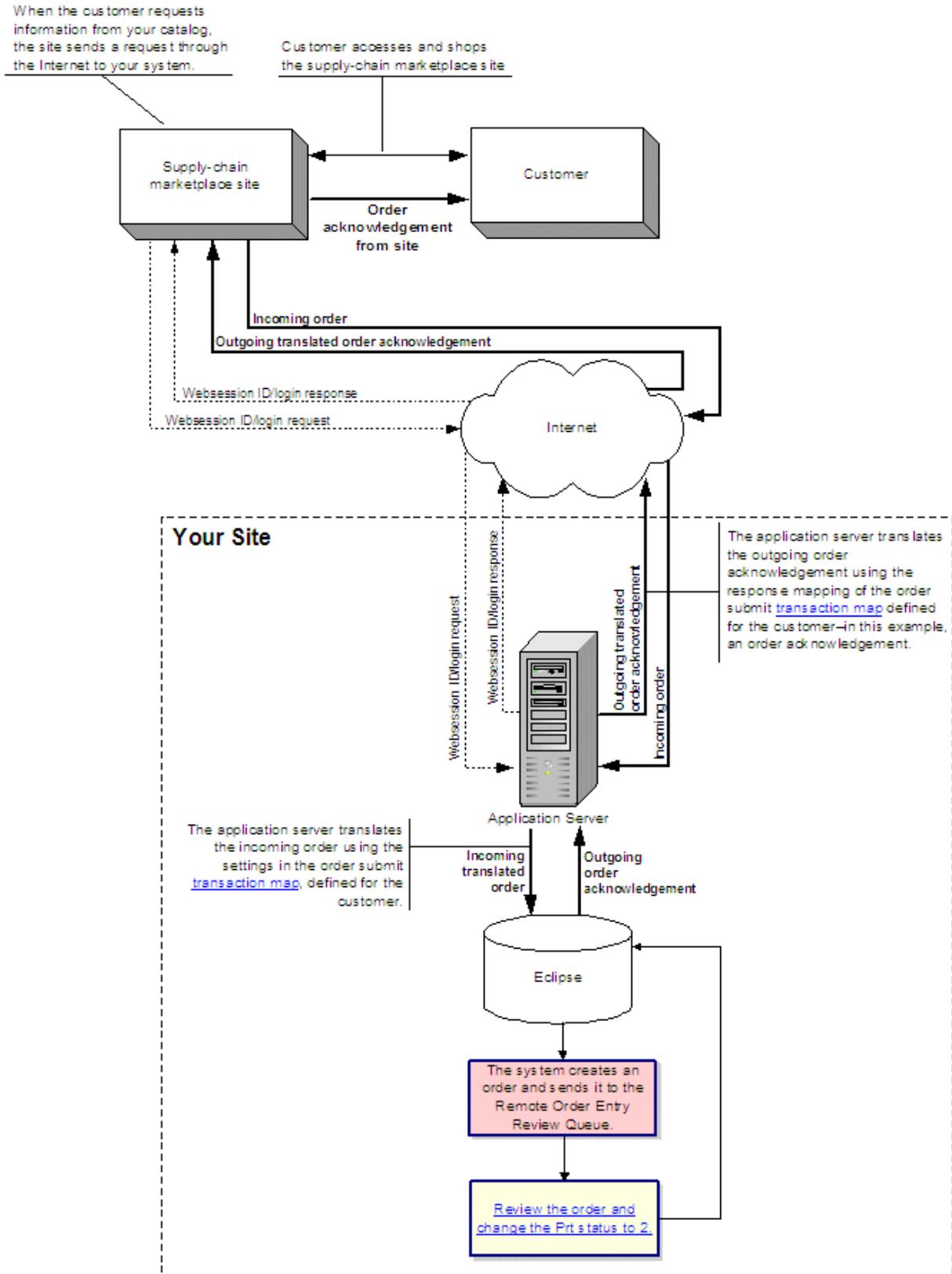


Example XML Data Flow with Marketplace

The following diagram illustrates how XML documents for an order submit transaction flow from a supply chain marketplace site, or portal, through the system to the application server and on to Eclipse.

In the example below, you have a transaction map defined for the following:

- A websession transaction for the marketplace site that contains a received document map for an websession request and a sent document map for a websession response.
- An order submit transaction that contains a received document map for an order submit transaction type, and sent document map for an order acknowledgement transaction type.



Business Connect XML Setup Overview

Set the following parameters before sending or receiving XML documents:

- XML related control maintenance records.
- XML Product Not Found product.
- Remote document details.

Set the following parameters before sending or receiving XML documents to or from *customers*:

- Activity triggers for XML documents.
- System notifications.
- Document post locations.
- Pricing variance parameters.
- E-commerce IDs.

Set the following parameters before sending or receiving XML documents to or from *vendors*:

- Vendor access information.
- Activity triggers for XML documents.
- Document post locations.

See Also:

Setting Business Connect XML Control Maintenance Records and Authorization Keys

Defining the ***Product Not Found*** Product for XML Transactions

Setup Requirements for Business Connect XML

Following are control maintenance records and authorization keys used for Business Connect XML.

Control Maintenance Records

Set the following control maintenance records:

- IDMS-XML Admin Message User/Group
- IDMS-XML Default Part # Used For Creating A Nonstock Item
- IDMS-XML Default Sales Order Writer
- IDMS-XML Inbound Sales Orders Always Use Partner Pricing
- Order Statuses Displayed In IDMS-XML
- Default IDMS-XML Sales Source
- J2EE Application Server Settings

Authorization Keys

Assign the following authorization keys:

- WOE.MAINT

Defining the *****Product Not Found*** Product for XML Transactions**

When the system processes an XML order, it uses the following hierarchy to match products.

- Eclipse product ID
- Product description
- UPC
- Customer part number
- User-defined fields
- Catalog number
- Keywords
- Description

Each of the items must have data from the XML document mapped for the system to search on it. If the data is not mapped, the system searches on the next available piece of data. For example, if you map both the product ID and product description, the system first tries to match against the product ID. If it finds a match, it stops and does not search using the rest of the hierarchy. If the system does not find a match on the product ID or you have not mapped the product ID data, it tries the product description, and so on down the hierarchy.

When the system processes an XML order for a product it cannot identify or find, the system substitutes a default product for the line item so it can continue processing the order. At a later time, you can review the order and replace the default product entries with actual products. For the system to use this feature, you need to create a product for this purpose in Product Maintenance and then assign the product part number to the IDMS-XML Default Part # Used For Creating A Nonstock Item control maintenance record.

► To create the *****Product Not Found*** product:**

1. From the **Files** menu, select **Product** to display the Product Maintenance screen.
2. In the **Product ID** field, type **new** and press **Enter**.
3. In the **Description** field, type *****B2B PRODUCT NOT FOUND*****. This is the description that displays on an order when the system cannot identify or find a requested product.
4. In the **Prc Line** field, enter **Nonstock**.
5. In the **Buy Line** field, enter **Nonstock**.
6. In the **Status** field, select the **Nonstock** status.
7. In the **Quant** field for unit of measure, enter **1**.
8. In the **GL Acct/Product Type** field, select a miscellaneous code.

9. Note the part number assigned to the product displayed in the upper right part of the screen.
10. Press **Esc** to save the record and exit the screen.

▶ **To assign the product to the IDMS-XML Default Part # Used For Creating A Nonstock Item control maintenance record:**

1. From the **System > System Files** menu, select **Control Maintenance** to display the Control Maintenance screen.
2. In the **Keyword** field, enter **IDMS-XML** and press **Enter**.
3. Select **IDSM-XML Default Part # Used For Creating A Nonstock Item** from the control maintenance record list and press **Enter**.
4. Enter the part number from the product you just created and press **Esc**.

See Also:

Business Connect XML Setup Overview

Setting Customer Activity Triggers for XML Documents

You can set up XML activities that events in the system automatically trigger. For example, you can set up the system to send an Advanced Shipment Notification (ASN) to a trading partner using XML when the shipping ticket for the order prints. For more information about activity triggers, see *Assigning Activity Triggers*.

You must set the activity triggers and post locations for XML documents to send documents to your customers.

Use the following activity triggers and trigger actions:

- B2B Advanced Ship Notification used with Shipment Notification and Ship Ticket Print triggers.
- B2B Sales Doc used with Batch Invs in Lieu of Print, Email Stmt - Invs in lieu of Print, Invoice Order, and Invoice Print triggers.
- E-mail and Fax Notifications used with the BC-XML Submit Order trigger.

► To send triggered B2B ASNs:

1. From the **File** menu, select **Customer** and display the customer to which you want to assign triggers. Use the **Add'l Info** hot key and then the **Activity Triggers** hot key.
2. In the **Trigger Description** and **Activity Description** fields, do one of the following:

To...	Do this...
send an ASN at shipment notification	enter Shipment Notification and select B2B Adv Ship Notice in the Activity Description field.
send an ASN when the shipping ticket prints for an order	enter Ship Ticket Print and select B2B Adv Ship Notice in the Activity Description field.
send an ASN from the Shipping Manifest Queue after the manifest is created and locked	enter Manifest Lock and select B2B Adv Ship Notice in the Activity Description field.
send an ASN when the pick ticket prints for an order	enter Pick Ticket Print and select B2B Adv Ship Notice in the Activity Description field.
send an ASN when invoicing an order	enter Invoice Order and select B2B Adv Ship Notice in the Activity Description field.
send an ASN when printing an invoice for an order	enter Invoice Print and select B2B Adv Ship Notice in the Activity Description field.
send an ASN when an RF order closes	enter RF Order Close and B2B Adv Ship Notice in the Activity Description field.

3. In the **F** and **B** fields, accept the default setting.
4. Select the trigger you just added and use the **Activity Props** hot key.
5. Enter the URL to which to post the ASN for this customer and press **Enter**.

6. Press **Esc** to return to the Customer record.
7. Press **Esc** again to save your changes and exit the screen.

▶**To send triggered B2B sales documents:**

1. From the **File** menu, select **Customer** and display the customer to which you want to assign triggers. Use the **Add'l Info** hot key and then the **Activity Triggers** hot key.
2. In the **Trigger Description** field, do one of the following:

To...	Do this...
send a sales document when processing batch invoices	enter Batch Invs in Lieu of Print and select B2B Sales Doc in the Activity Description field.
send a sales document when invoicing an order	enter Invoice Order and select B2B Sales Doc in the Activity Description field.
send a sales document when printing an invoice for an order	enter Invoice Print and select B2B Sales Doc in the Activity Description field.
send a sales document when processing overdue invoices	enter Overdue Invoices and select B2B Sales Doc in the Activity Description field.
send a sales document when printing a pick ticket for an order	enter Pick Ticket Print and select B2B Sales Doc in the Activity Description field.
send a sales document when an RF order closes	enter RF Order Close and select B2B Sales Doc in the Activity Description field.
send a sales document when receiving a purchase order acknowledgement for a direct order	enter PO Ack Received on Direct and select B2B Sales Doc in the Activity Description field.
send a sales document when printing a shipping ticket for an order	enter Ship Ticket Print and select B2B Sales Doc in the Activity Description field.
send the sales order in XML format by way of B2B Commerce.	enter BC-XML Submit Order and select B2B Sales Doc in the Activity Description field.

3. In the **F** and **B** fields, accept the default setting.
4. Select the trigger you just added and use the **Activity Props** hot key.
5. Enter the URL to which to post the ASN for this customer and press **Enter**.
6. Press **Esc** to return to the Customer record.
7. Press **Esc** again to save your changes and exit the screen.

▶**To send triggered e-mails and faxes when an order is submitted:**

1. From the **File** menu, select **Customer** and display the customer to which you want to assign triggers. Use the **Add'l Info** hot key and then the **Activity Triggers** hot key.
2. In the **Trigger Description** field, do one of the following:

To...	Do this...
a copy of the sales order to the customer's e-mail address submitted in the XML document	enter BC-XML Submit Order and select E-mail Sales Doc in the Activity Description field.

To...	Do this...
send a message indicating that you received the customer's sales or to the customer's e-mail address submitted in the XML document	enter BC-XML Submit Order and select E-mail Message in the Activity Description field.
send a message and a copy of the sales order in HTML format to the customer's e-mail address submitted in the XML document	enter BC-XML Submit Order and select E-mail Sales Doc HTML in the Activity Description field.
send a copy of the sales order to the customer's fax number submitted in the XML document.	enter BC-XML Submit Order and select FAX Sales Doc in the Activity Description field.
adds the sales order to a Tradepowers purchase order acknowledgement that will be sent by FTP to the customer at a future date.	enter BC-XML Submit Order and select FTP TradePowers PO Ack in the Activity Description field.

3. In the **F** and **B** fields, accept the default setting.
4. Select the trigger you just added and use the **Activity Props** hot key.
5. Enter the URL to which to post the ASN for this customer and press **Enter**.
6. Press **Esc** to return to the Customer record.
7. Press **Esc** again to save your changes and exit the screen.

See Also:

Business Connect XML Setup Overview

Setting Vendor Activity Triggers for XML Documents

Setting System Notifications for XML Customer Transactions

While processing XML transactions, the system can notify users or message groups using the Eclipse message system about events, such as when it receives a new order from a customer, or when a transaction encounters problems processing through the system.

Define notification settings for each customer with which you conduct business using XML. If the system receives an order and cannot identify the customer who sent it, the system sends notifications to the user or users defined in the IDMS-XML Admin Message User/Group control maintenance record.

► To set system notifications for XML customer transactions:

1. From the **Files** menu, select **Customer** to display the Customer Maintenance screen and open a customer record.
2. Use the **Remote** hot key to display the Remote Order Entry Parameters screen.
3. Do one of the following:
 - To define a user or set of users to receive notification for all types of remote transactions, enter the ID to receive messages in the following fields:
 - **Default User Messaged With New Order #**
 - Default User Messaged With Order Changes
 - Default User Messaged With Errors
 - To define a different user or set of users for XML transactions, use the **Remote Messaging** hot key, select Business Connect, and enter user IDs to receive messaged in the following fields:
 - **User to be Messaged With New Order #**
 - User to be Messaged With Order Changes
 - User to be Messaged with Errors
4. Press **Esc** to return to the Customer Maintenance screen.
5. Press **Esc** to save your changes and exit the record.

See Also:

Setting Post Locations for XML Customer Transaction Documents

Defining Pricing Variance for XML Customer Transactions

Defining Customer E-Commerce IDs for XML Transactions

Setting Post Locations for XML Customer Transaction Documents

For each customer you do business with using XML, define the URL location to which to save outgoing documents, such as order acknowledgements, invoices, and advance ship notices. This URL can be specific for each type of transaction, or a default for all transactions for the customer, regardless of the type.

If the transactions with a customer are inbound only, a post location is not required for sending the standard Status 200 HTTP response that indicates to the customer's system that you received their XML document transmission.

► To set post locations for XML customer transaction documents:

1. From the **Files** menu, select **Customer** to display the Customer Maintenance screen and open a customer record.
2. Use the **Remote** hot key to display the Remote Order Entry Parameters screen.
3. Use the **WOE Info** hot key to display the B2B/WOE Remote Order Entry Parameters screen.
4. Use the **B2B Post URL** hot key and select the type of transaction for which you are setting the post location.

The system uses the location in the **Default** transaction type if all transactions' posts go to the same location for the customer. If the customer requires posts for different transaction types to go to different locations, set the URL for the individual transaction type.

5. In the **B2B Post URL** field, enter the post location for XML documents for the customer.
To trade secure information, such as credit card information, use the HTTPs transport protocol instead of plain HTTP. Specify the post URL as **https://** instead of **http://**.
6. Press **Esc** until you return to the Customer Maintenance screen.
7. Press **Esc** to save the customer record and exit the screen.

See Also:

Setting System Notifications for XML Customer Transactions

Defining Pricing Variance for XML Customer Transactions

Defining Customer E-Commerce IDs for XML Transactions

Defining Pricing Variance for XML Customer Transactions

For each customer you do business with using XML, you can select whether to use the pricing information defined in Eclipse, or the pricing information the customer sends to you in an XML document for a transaction. In addition, you can set an acceptable dollar amount or a percentage range in which the price can differ and still use the customer's pricing information. Set the following to set the pricing variance for XML customer transactions:

- Partner pricing parameter.
- Allowed variance in pricing.

If the **Use Partner Pricing** parameter is set in the order document details for this customer, the system uses the setting as defined in the order document details rather than the setting in Customer Maintenance for XML transactions. However, other remote transactions still use the Customer Maintenance parameter setting.

▶ To set the partner pricing parameter for a customer:

1. From the **File** menu, select **Customer** to display the Customer Maintenance screen and open a customer record.
2. Use the **Remote** hot key to display the Remote Order Entry Parameters screen.
3. Use the **WOE Info** hot key to display the B2B/WOE Remote Order Entry Parameters screen.
4. Use the **IDMS** hot key to display the IDMS-XML Parameters screen.
5. In the **Use Partner Pricing** field, enter **Y** to indicate that you want to use the pricing information the customer sends to you with an order.
6. Press **Esc** until you return to the Remote Order Entry Parameters screen.
7. Continue with the next procedure.

▶ To set the allowed variance in pricing:

1. Complete the previous procedure.
2. In the **Allowed Pricing Variance %** field, press **F10** and select **Dollar Amt** or **Percentage** to indicate the measurement type for the pricing variance.
3. Enter the dollar amount or percentage in which a customer's pricing information is allowed to differ from the pricing defined in Eclipse.

If the difference between the customer's pricing information and that defined in Eclipse is outside the range that you enter here, the system uses the pricing information defined in Eclipse.

Note: The variance you enter in this field is the variance the system uses for all remote order entry transactions, not just XML transactions. However, if the

pricing parameter is not set, the variance does not apply to XML transactions.

4. Press **Esc** to return to the Customer Maintenance screen.
5. Press **Esc** to save the record and exit the screen.

See Also:

Setting System Notifications for XML Customer Transactions

Setting Post Locations for XML Customer Transaction Documents

Defining Customer E-Commerce IDs for XML Transactions

Defining Customer E-Commerce IDs for XML Transactions

The system uses customer e-commerce IDs to identify shipping locations that you service. The system uses the IDs to determine the customer's ship-to account to use when creating an order. When entering customer e-commerce IDs, remember that they can be in any format; however, each ID must be unique. When you create your transaction maps for a customer, you can map the customer's incoming customer number to the ship-to element in Eclipse. For the system to identify and match the data to a customer record, concatenate a literal string to the beginning or the end of the incoming data to make it unique.

For example, if your trading partner sends you a customer number of 1234, that number might not be unique to a customer record in Eclipse. To convert the number to a unique e-commerce ID, such as ABC1234, you can concatenate an alpha string to the beginning of the data using a literal string and the concatenate operation in the mapping utility. Now the system has a unique identifier to which it can match the ship-to and bill-to information for an order for the customer.

E-commerce IDs are also used with Ariba transactions.

► To define customer e-commerce IDs for XML transactions:

1. From the **File** menu, select **Customer** to display the Customer Maintenance screen and open a customer record.
2. Use the **Remote** hot key to display the Remote Order Entry Parameters screen.
3. Use the **ECommerce IDs** hot key to display the Customer Unique E-Commerce IDs screen.
4. Enter each ID on a new line in the screen.
5. Press **Esc** until you return to the Customer Maintenance screen.
6. Press **Esc** to save the record and exit the screen.

See Also:

Setting System Notifications for XML Customer Transactions

Setting Post Locations for XML Customer Transaction Documents

Defining Pricing Variance for XML Customer Transactions

Setting Vendor Access Information for XML Documents

Before sending XML documents to a trading partner, define the web site and access information such as login name and password, where the vendor retrieves documents that you send.

► To set vendor access information for XML documents:

1. From the **File** menu, select **Vendor** and display the vendor to which you want to set access information.
2. Use the **WWW** hot key then the **B2B Commerce** hot key to display the Eclipse B2B Commerce Vendor Maintenance screen.
3. In the **WWW Address** field, enter the full Uniform Resource Locator (URL) path used to access the vendor's web site where documents from your system post. Include the "http://" in the URL. For example, http://www.thewidgetspro.com.

Use the **Expand WWW Address** hot key to enter or view a web site address that is longer than the display area on the screen.

4. Enter the login information you use to access the vendor's site. If you are using Business Connect XML to talk to another Eclipse system using Eclipse B2B Commerce, this login information is required to complete transactions.

Field	Description
Customer ID	Your company-assigned login identification.
Login	The login ID you use to access the vendor's web site to post requests.
Password	The password you use to access the vendor's web site to post requests.

5. In the **Preferred Remote Site New Order Status** field, press **F10** and select the default status for orders placed remotely to this vendor.
6. Use the **Test Connection** hot key to test your connection to the vendor. The system attempts to connect to the vendor's web address, using your login information.

If the connection test is...	Then...
successful	the following message displays: "Good Customer Number and Password. Connection was successful."
not successful	a message displays with troubleshooting information. For example, the message might indicate that the password you specified is invalid, or the web server would not allow a certain method. The message often displays detailed HTML information that you can use to determine the connection problem. Consult with the web experts at your company or Eclipse for assistance.

7. Press **Esc** until you return to the Vendor Maintenance screen.
8. Press **Esc** to save the vendor record and exit the screen.

Note: The **All,Description,/Price Line,! Group** field is used with the Eclipse B2B Commerce companion product and is not required for trading XML documents with a vendor.

See Also:

Setting Vendor Activity Triggers for XML Documents

Business Connect XML Setup Overview

Setting Vendor Activity Triggers for XML Documents

You can set up XML activities that events in the system automatically trigger. For more information about activity triggers, see [Assigning Activity Triggers](#).

Note: You must set post locations and activity triggers for XML documents to send documents to your customers.

You can set up the system to send a B2B Purchasing document when any of the following activities occur:

- You create and exit a new purchase order.
- You create and exit a new purchase order bid.
- You create and exit new direct order.
- Receive a purchase order.

► To send triggered B2B purchasing documents:

1. From the **File** menu, select **Vendor** and display the vendor to which you want to assign triggers. Use the **Add'l Data** hot key and then the **Activity Triggers** hot key.
2. In the **Trigger Description** field, press **F10** select the event for which you want to send a B2B purchasing document.

For example, to send B2B documents for purchase orders, select **New Purchase Order** or **New Purchase Order Bid**. To send a B2B document for a direct order, select **New Direct Order**.

3. In the **Activity Description** field, press **F10** and select **B2B Purchasing Document**.

Note: In the **F** and **B** fields, accept the default setting.

4. Select the trigger you added and use the **Activity Props** hot key. Enter the URL where the XML document posts for the vendor.
5. Press **Esc** to return to the Vendor record.
6. Press **Esc** again to save your changes and exit the screen.
7. Set the post location for the documents you send to the vendor using XML.

See Also:

[Business Connect XML Setup Overview](#)

[Setting Post Locations for XML Vendor Transaction Documents](#)

Setting Post Locations for XML Vendor Transaction Documents

For each vendor you do business with using XML, define the URL location to which to save outgoing documents, such as orders, quote requests, and product inquiries. This URL can be specific for each transaction type, or a default for all transactions for the vendor, regardless of type.

Note: You must set post locations and activity triggers for XML documents to send documents to your vendors.

▶ To set post locations for XML vendor transaction documents:

1. From the **Files** menu, select **Vendor** to display the Vendor Maintenance screen and open a vendor record.
2. Use the **WWW** hot key and then the **B2B Commerce** hot key to display the Eclipse B2B Commerce Vendor Maintenance screen.
3. Use the **B2B Post URL** hot key and select the type of transaction for which you are setting the post location.

The system uses the location in the **Default** transaction type if all transactions' posts go to the same location for the vendor. If the vendor requires posts for different transaction types to go to different locations, set the URL for the individual transaction type.

4. In the **B2B Post URL** field, enter the post location for XML documents for the vendor.
5. Press **Esc** until you return to the Vendor Maintenance screen.
6. Press **Esc** to save the vendor record and exit the screen.

See Also:

Setting Vendor Access Information for XML Documents

Setting Vendor Activity Triggers for XML Documents

Business Connect XML Setup Overview

Remote Document Details Overview

For each customer or vendor with whom you have a remote trading relationship, define additional document settings for each transaction you trade with them. Additional settings include but are not limited to indicating who the system notifies when it receives a transaction of a given type and setting the initial order status.

Use Remote Trading Partner Maintenance to define details for each document type that you receive or send to each customer and vendor.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define EDI document details through EDI Group Profile Maintenance.

For customers, some of the document details that you can set in Remote Trading Partner Maintenance, such as who to notify about a certain document transmissions and pricing variances can also be set in the customer record. Setting document details in Remote Trading Partner Maintenance overrides the settings defined at the customer level.

Define details for the following remote document types:

- Orders
- Advanced ship notices
- Change order requests
- Quote requests
- Order acknowledgements
- Invoices

Setting Remote Order Document Details

Use Remote Trading Partner Maintenance to set additional details about remote order documents that you trade with your customer and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 850 purchase orders through EDI Group Profile Maintenance.

► To set remote order document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote order document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the order submit transaction and use the **Add'l Doc Info** hot key to display the additional detail fields for the transaction type.
6. Enter the detail information as necessary for the transaction type:

Field	Applies To	Description
User To Notify	Orders received from customers	The user or message group that receives notification when the system receives an order from this customer. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
User To Review	Orders received from customers	The user or message group that reviews orders from this customer. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
Initial Order Status	Orders received from customers	The status default for all remote orders you receive from the customer. We recommend setting the initial order status to Bid.

Field	Applies To	Description
Use Partner Pricing	Orders received from customers	Indicates whether to use the pricing information defined in Eclipse, or the pricing information the customer sends to you in the order request. Setting this parameter overrides partner pricing parameters that are set at the customer level.
Remote Order Entry %	Orders received from customers	The dollar amount or percentage in which a customer's pricing information is allowed to differ from the pricing defined in Eclipse. If the difference between the customer's pricing information and that defined in Eclipse is outside the range that you enter here, the system uses the pricing information defined in Eclipse. Setting this parameter overrides pricing variance parameters that are set at the customer level.
Round Up to Min Sales Qty	Orders received from customers	Indicates whether the system rounds order quantities to the minimum sales quantity for each item on an order. Set this field to No to allow the user to order any quantity.
Notify of Receipt	Orders sent to vendors	The user or message group that receives notification when your vendor's system receives an order from this customer.
Send Pricing Data In Qty UOM	Orders sent to vendors	Converts the pricing information to the same unit of measure as the quantity information.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

See Also:

Remote Document Details Overview

Setting Remote Advanced Ship Notice Document Details

Use Remote Trading Partner Maintenance to set additional details about remote advanced ship notice (ASN) documents that you trade with your customers and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 856 ASNs through EDI Group Profile Maintenance.

► To set remote ASN document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote ASN document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the advance ship notice transaction and use the **Add'l Doc Info** hot key to display the detail fields for the transaction type.
6. Enter the following information, as necessary for the document type:

Field	Applies To	Description
User to Review	ASNs received from vendors	The user or message group that reviews ASNs from the trading partner.
User to Notify	ASNs received from vendors	The user or message group that receives notification when the system receives an ASN from there trading partner.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

See Also:

Remote Document Details Overview

Setting Remote Change Order Document Details

Use Remote Trading Partner Maintenance to set additional details about remote change order documents that you trade with your customers and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 860 purchase order change requests through EDI Group Profile Maintenance.

►To set remote change order document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote change order document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the change order transaction and use the **Add'l Doc Info** hot key to display the detail fields for the transaction type.
6. Enter the detail information, as necessary for the transaction type:

Field	Applies To	Description
User to Review	Change orders received from customers	The user or message group that reviews change orders from this customer. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
User to Notify	Change orders received from customers	The user or message group that receives notification when the system receives an order from this customer. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

See Also:

Remote Document Details Overview

Setting Remote Quote Request Document Details

Use Remote Trading Partner Maintenance to set additional details about remote quote request documents that you trade with your customers and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 840 quote requests through EDI Group Profile Maintenance.

► To set remote quote request document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote quote request document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the quote request transaction and use the **Add'l Doc Info** hot key to display the detail fields for the transaction type.
6. Enter the detail information, as necessary for the transaction type:

Field	Applies To	Description
User To Notify	Quote requests received from customers	The user or message group that receives notification when the system receives a quote request form the trading partner. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
User To Review	Quote requests received from customers	The user or message group that reviews quote requests from the trading partner. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

Setting Remote Order Acknowledgement Document Details

Use Remote Trading Partner Maintenance to set additional details about remote order acknowledgment documents that you trade with your customers and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 855 purchase order acknowledgements through EDI Group Profile Maintenance.

► To set remote order acknowledgement document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote order acknowledgement document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the order acknowledgement transaction and use the **Add'l Doc Info** hot key to display the detail fields for the transaction type.
6. Enter the detail information, as necessary for the transaction type:

Field	Applies To	Description
User to Notify	<ul style="list-style-type: none"> • Order acknowledgements sent to customers • Order acknowledgements received from vendors 	<p>The user or message group that receives notification when the system receives an order acknowledgment from the trading partner.</p> <p>Setting this parameter overrides notification settings for this transaction type that are set at the customer level.</p>
User to Review	<ul style="list-style-type: none"> • Order acknowledgements sent to customers • Order acknowledgements received from vendors 	<p>The user or message group that reviews order acknowledgments from this trading partner.</p> <p>Setting this parameter overrides notification settings for this transaction type that are set at the customer level.</p>

Field	Applies To	Description
Initial Order Status	Order acknowledgements received from vendors	The status default for all remote order acknowledgments you receive from the trading partner.
Dflt Lead Time if NO Shp Dt Provided	Order acknowledgements received from vendors	The number of days it takes the vendor to ship the material out of their warehouse. The system adds this number to the date of the order acknowledgement and uses this calculated date as the expected receive date for the order.
Update Req'd Date with the Ship Date	Order acknowledgements received from vendors	Updates the required date of the order with the calculated ship date from the vendor.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

See Also:

Remote Document Details Overview

Setting Remote Invoice Document Details

Use Remote Trading Partner Maintenance to set additional details about remote order invoice documents that you trade with your customers and vendors.

Note: In the current release, you can only define details for XML documents in Remote Trading Partner Maintenance. Define document details for EDI 810 invoices through EDI Group Profile Maintenance.

► To set remote invoice document details:

1. From the **System > Custom** menu, select **Remote Trading Partner Maintenance** to display the Remote Trading Partner Maintenance screen.
2. In the **Trading Partner** field, enter the trading partner for which you want to set remote invoice document details. Press **F10** for a list of trading partners that have transaction maps defined in the Business Connect XML mapping utility.
3. In the **Remote Type** field, select the type of remote transaction for which you want to set details.

Note: In the current release, Remote Trading Partner Maintenance supports only XML transactions.

4. Press **Enter** to display the list of transactions that have transaction maps defined for the trading partner.
5. Select the invoice transaction and use the **Add'l Doc Info** hot key to display the detail fields for the transaction type.
6. Enter the detail information, as necessary for the transaction type:

Field	Applies To	Description
User to Notify	<ul style="list-style-type: none"> • Invoices received from vendors • Invoices sent to customers 	The user or message group that receives notification when the system sends or receives an invoice from the trading partner. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
User to Review	<ul style="list-style-type: none"> • Invoices received from vendors • Invoices sent to customers 	The user or message group that reviews invoices from the trading partner. Setting this parameter overrides notification settings for this transaction type that are set at the customer level.
Enable Auto Approve on Invoicing	Invoices received from vendors	Indicates if the system reconciles and approves a remote invoice automatically when the line items match and the dollar amount is within the over/short range.

Field	Applies To	Description
Create Ack/ASN Documents From Inv	Invoices received from vendors	Indicates if the system should create an acknowledgement document or an advance ship document from an invoice.
Reconcile Invoice Freight Changes	Invoices received from vendors	Indicates if the system marks the invoice as a perfect match in the Remote Invoice Review Queue when the invoice amount differs from the purchase order amount by the total freight amount.
Process Invoices for Directs	Invoices received from vendors	Indicates if the system tries to match the invoice from your vendor to the purchase order of a direct order. If it finds a match, the system receives that purchase order generation and reconciles the invoices against that generation.
Enable Terms Checking	Invoices received from vendors	Indicates if the system verifies the terms defined in the invoice from your vendor with the terms from the purchase order. If the terms do not match, the match level in the Remote Invoice Review Queue is T.
Create Payables for Non-Eclipse PO#s	Invoices received from vendors	Indicates whether the system creates a payable for non-Eclipse purchase order numbers. The system checks the vendor's home branch and first authorized branch if there is no valid G/L branch.
Freight Already Posted on Eclipse PO	<ul style="list-style-type: none"> • Invoices received from vendors • Invoices sent to customers 	Indicates whether the freight is already posted on the Eclipse purchase orders. The customer posts the freight to the purchase order during the receiving process. Direct orders do not have freight included on the purchase order. Vendors may bill for freight and have this put in the freight bucket in AP Entry.
Check All Unpaid Gens	Invoices received from vendors	Indicates whether the system checks for an exact match on one generation and then also checks for an exact match by summing all the received, unpaid generations on that purchase order. If you leave this field blank or enter No, the system checks for matches only at the generation level.
Send Credit/zero Bal. Invoices	Invoices sent to customers	Indicates if the system should send invoices with negative (credits) or zero balances.
Send Pricing Data in Qty UOM	Invoices sent to customers	Converts the pricing information to the same unit of measure as the quantity information.

7. Press **Esc** to return to the Remote Trading Partner Maintenance screen.
8. Press **Esc** to close the screen and save your changes.

XML Schema Maintenance Overview

Use XML Schema Maintenance to define and access data stored in any file in Eclipse when using Business Connect XML to receive and send transactions. XML database schemas are similar to Eclipse dictionaries, in that they display data file information so you can easily view and understand it. XML database schemas provide additional information specific to the XML interface and translation of data to and from the database. Each data file in Eclipse can have a corresponding XML database schema.

The system uses XML database schemas to store data when receiving transactions via XML, such as order submits or stock inquiries, and to retrieve data to send out using XML. Each XML transaction type calls one or more XML database schemas, grouped into *transaction* schemas. For example, an OrderSubmit transaction schema uses the Order and OrderDetail database schemas to store and retrieve the data required to submit an order in the system using XML. For more information, see How XML Database Schemas Form Transactions.

Note: Business Connect XML includes a set of predefined XML transaction types such as order submits and remittance advice. For a complete list of the supported customer and vendor transactions, see Sending and Receiving Customer Transactions Using XML and Sending and Receiving Vendor Transactions Using XML.

Your system administrator has the ability to add or modify data definitions to a schema or add additional schemas required for your business relationships. Eclipse personnel set up the following default XML database schemas.

- Contact
- Entity
- Order
- OrderAdditional
- OrderChange
- OrderDetail
- OrderDetailChange
- Product
- Territory

Use the following instructions to create or modify XML database schemas:

- Creating XML Database Schemas
- Defining XML Database Schema Translation Properties

Eclipse Data and XML Database Schemas

If you are defining your own XML database schemas or are adding additional information to the default XML schemas provided to you, it is important to understand how Eclipse stores and retrieves data. Understanding the database structure helps to ensure that you enter the correct attribute, value, and sub-value marks in XML Schema Maintenance.

This topic discusses the following information:

- The Eclipse Database
- XML Database Schemas' Relationships to Eclipse

Eclipse Database

The Eclipse system stores its information in a nested relational database.

- Data is separated and stored in files. For example, the Product file contains details about the products you sell, and the Contact file contains information about contacts at customers you do business with.
- Each file contains records. For example, the Contact file contains a record for each contact in your system.
- Each record contains fields of information called *attributes*. Within each record the same type of information is stored in the same attribute. For example, attribute 1 in a contact record is the contact's first name.

	Attribute 0	Attribute 1	Attribute 2	Attribute 11
	Item ID	First Name	Last Name	Email
Record 1	001	John	Doe	johndoe@nowhere.com
Record 2	002	Jane	Doe	janedoe@nowhere.com

A unique key identifies every record in the system. The key is a number, which the system assigns when you create the record. The system stores the key in attribute number 0 (zero).

Note: You cannot change the unique key in attribute 0.

- Attributes can contain multiple pieces of data, called *values*. For example, for each contact, you can have multiple phone numbers.

	Attribute 0	Attribute 1	Attribute 2	Attribute 11	Attribute 14
	Item ID	First Name	Last Name	Email	Phone Number
Record 1	001	John	Doe	johndoe@anywhere.com	Value: 303-555-1234 Value: 303-555-4321
Record 2	002	Jane	Doe	janedoe@anywhere.com	Value: 303-555-5678 Value: 303-555-8765

- A value can contain one or more pieces of data, called *sub-values*. For example, for each contact, you can have multiple credit cards on file.

	Attribute 0	Attribute 1	Attribute 2	Attribute 11	Attribute 26
	Item ID	First Name	Last Name	Email	Credit Card
Record 1	001	John	Doe	johndoe@anywhere.com	Value: Credit Card Type Sub-value: Visa Sub-value: MC Value: Credit Card # Sub-value: 1111111111111111 Sub-value: 2222222222222222
Record 2	002	Jane	Doe	janedoe@anywhere.com	Value: Credit Card Type Sub-value: Visa Sub-value: MC Value: Credit Card # Sub-value: 3333333333333333 Sub-value: 4444444444444444

XML Database Schemas' Relationship to Eclipse

When defining XML database schemas, it is important to enter the correct attribute, value, and sub-value positions for each data definition within the schema. If the attribute or value marks are incorrect, it can cause data to be stored in the wrong position within a record in the Eclipse database. When creating your own schemas, or entering additional data definitions for existing schemas, study the record layout that you are defining data for in XML Schema Maintenance using Dictionary Maintenance.

For example, in the Contact record, attribute 7 is the contact's address information. When entering a contact in Eclipse you enter the information in the Address field, and the address can be up to two lines long. In the following example, John Doe's contact information is contained in record number 7772, and his address is 123 Anywhere Lane, #12A.

Phone		Codes	Description
303-555-1234		Work	Daytime phone.
303-555-4321		Cell	Alternative daytime phone.

Add'l Data	Access	Delete	Log	Keywords	User Def	WWW
Entity	Add'l Entities	CRedit Card	WOE	ClassiFy		

When you save the contact record in above example, the system stores the address information in attribute 7 within the contact record numbered 7772.

```
LIST.ITEM CONTACT = 7772 03:23:45pm 07 Apr 2004 PAGE 1
7772
001 John
003 Doe
004 Mr
005 Doe Joh
007 123 Anywhere Lane2#12A
008 BOULDER
009 CO
010 80301
014 303-555-12342303-555-4321
015 Daytime phone.2Alternative daytime phone.
017 Work2Cell
019 13247255413
023 John Doe's Supply
024 122
026 2222222
;-
```

Attribute 7 consists of the following values, separated by a superscript 2:

- Address Line 1 which is 123 Anywhere Lane
- Address Line 2 which is #12A

The Contact XML database schema contains attribute 7 and indicates that Address Line 1 is part of attribute 7 in Eclipse, and any information entered there is saved in value 1. Address Line 2 is also part of attribute 7, that information is saved in value 2 of attribute 7.

XML Schema Maintenance					
XML Database Schema : CONTACT					
Eclipse File	XML Name	XML Description	AM	VM	SVM
CONTACT	ContactID	Contact ID	0		
CONTACT	FirstName	First Name	1		
CONTACT	MiddleName	Middle Name	2		
CONTACT	LastName	Last Name	3		
CONTACT	Salutation	Salutation	4		
CONTACT	Sortby	SortBy	5		
CONTACT	UseEntityAddress	Use Parent Entity Address	6		
CONTACT	Address1	Address Line 1	7	1	
CONTACT	Address2	Address Line 2	7	2	
CONTACT	City	City	8		
CONTACT	State	State	9		
CONTACT	Zip	Zip Code	10		
CONTACT	EmailAddress	Email Address	11		
CONTACT	Title	Title	12		
CONTACT	Website	Website	13		
CONTACT	PhoneNumber	Phone Number	14		
CONTACT	PhoneDescription	Phone Description	15		
CONTACT	PhoneCode	Phone Code	17		
			1 of 28		
Properties	Import	Delete	F12 - Abort		

See Also:

[XML Schema Maintenance Overview](#)

[Creating XML Database Schemas](#)

[Defining XML Database Schema Translation Properties](#)

[How XML Database Schemas Form Transactions](#)

How XML Database Schemas Form Transactions

A transaction schema is one or more XML database schemas that define an XML transaction type. For example, Business Connect XML includes the following XML database schemas:

- Order – Includes items such as the bill-to address and the payment terms.
- OrderDetail – Contains the items being ordered, including product ID and total order quantities.

An order in the system includes the information required to ship the order and the information about what is being purchased or sold. The OrderSubmit *transaction* schema contains both the Order and OrderDetail *database* schemas to create a complete order submit transaction. An XML database schema can be included in more than one transaction schema. For example, the Order and OrderDetail schemas are also used to create an invoice transaction.

Note: Business Connect XML includes a set of predefined XML transaction types such as order submits and invoices. For a complete list of the supported customer and vendor transactions, see Sending and Receiving Customer Transactions Using XML and Sending and Receiving Vendor Transactions Using XML. You cannot create your own transaction schemas.

A transaction can be one of the following types:

- Inbound inquiry, such as a price and availability check.
- Inbound update, such as an order submit or change order from a customer or an invoice from a vendor.
- Outbound, such as a purchase order you are sending to a vendor.

Transaction Schemas and the XML Mapping Utility

Transaction schemas defined in Eclipse are available for selection as transaction types in the Business Connect XML mapping utility. When you create a new transaction map in the mapping utility, select the transaction type, or schema, in the **Transaction Type** fields for both the received and sent documents:

New Transaction Map

Transaction Name: Purchase Order

Transaction Source: [?]

Document Received from Customer

Transaction Type: Order Submit

Customer's DTD: [Browse]

No Document Will Be Received

Reply Document Sent to Customer

Transaction Type: Order Submit Response

Customer's DTD: [Browse]

No Document Will Be Received

OK Cancel Help

The contents of the transaction schema display as the target or source XML in the mapping utility, depending on the type of transaction you are creating and whether you are viewing the received or sent to map. In the following example, the OrderSubmit transaction schema contains the Order and OrderDetail XML database schemas.

The screenshot displays the Eclipse Business Connect XML mapping utility interface. At the top left, a panel shows the transaction schema details: "XML Transaction Schema : ORDERSUBMIT" and "XML Transaction Type : INBOUND UPDATE". Below this, a red circle highlights the transaction elements "ORDER" and "ORDERDETAIL".

The main window is divided into three panes: "Source XML", "Mapping", and "Target XML". The "Source XML" pane shows a tree structure for "PURCHASEORDER" with sub-elements like "HEADERBLOCK", "CUSTOMERIDENTIFIERS", "VENDOR", "SHIPTOADDRESS", "CONFIRMTOADDRESS", "INVOICEADDRESS", "COMPANYADDRESS", "PONUM", "NOTES", "REQUISITION", and "RELEASENUM". The "Target XML" pane shows a tree structure for "CustomerOrderSubmit" with sub-elements like "Order" and "OrderDetail". A red circle highlights the "OrderDetail" element and its sub-elements: "LineItemInfo (+*)", "UPCCode", "CatalogNumber", "UserDefinedInfo", "ProductKeywords", "ProductID", "ItemComment", "TotalQty", "InStockShipQty", "NonStockQty", "RequiredDate", "SellPrice", "PriceOverride", "CostOfGoodsSold", "OrderedUoM", "CustomerLineNum", and "CustomerPN".

At the bottom left, a table titled "XML Database Schema : ORDERSUBMIT" lists the database schema properties. A red circle highlights the "LineItemInfo" schema and its properties: "ProductID", "ItemComment", "TotalQty", "InStockShipQty", "NonStockQty", "RequiredDate", "SellPrice", "PriceOverride", "CostOfGoodsSold", "OrderedUoM", "CustomerLineNum", and "CustomerPN".

Annotations explain the components:

- The XML database schemas contained in the transaction schema display as the target or source XML for the transaction.
- The transaction schema displayed reflects whether the transaction is for a vendor or a customer. In this example, the order submit request is from a customer.
- The items contained in the XML database schemas are available for the transaction in the XML mapping utility.

The order detail data is stored in the table called LineItemInfo defined for the OrderDetail XML database schema's properties, and displays nested in the XML mapping utility.

The OrderDetail database schema information saves to a table called LineItemInfo.

XML Database Schema	Eclipse File	XML Name	XML Description	AM	UM	SUM
LEDGER		ProductID	Internal Product ID	0	1	
LEDGER		ItemComment	Line Item Comment	0	3	
LEDGER		TotalQty	Total Quantity Ordered	0	4	
LEDGER		InStockShipQty	In Stock Ship Quantity	0	5	
LEDGER		NonStockQty	Non Stock Quantity	0	6	
LEDGER		RequiredDate	Product Required Date	0	7	
LEDGER		SellPrice	Sell Price	0	8	
LEDGER		PriceOverride	Price Override	0	9	
LEDGER		CostOfGoodsSold	Cost of Good Solds COGS	0	10	
LEDGER		OrderedUoM	UOM as Ordered	0	23	
LEDGER		CustomerLineNum	Customer Line Number	0	36	
LEDGER		CustomerPN	Customer Part Number	0	43	

XML Schema Properties

Database Schema : ORDEDETAIL
 Eclipse File : LEDGER
 XML Name : ProductID
 XML Description : Internal Product ID

AM: 0 UM: 1 SUM: SSUM: SSSUM:

Eclipse Database Data Type : Numeric Decim : 0
 Domain Object Data Type : Integer
 Pointer to Database Schema :
 Multiple Values :
 Can this position have Multiple Values? (Y/N) :
 XML Table Name (required if above is Y) : **LineItemInfo**
 Will this table always contain a value? (Y/N) :
 Multi

The contents of the OrderDetail database schema displays under the table name.

Document Received From Customer | Reply Document Sent to Customer | Mapping Selection Criteria

Source XML

- PURCHASEORDER
 - HEADERBLOCK (?)
 - CUSTOMERIDENTIFIERS
 - VENDOR
 - SHIPTOADDRESS
 - CONFIRMTOADDRESS (?)
 - INVOICEADDRESS (?)

Mapping

Target XML

- CustomerOrderSubmit
 - Order
 - OrderDetail
 - LineItemInfo (+#)**
 - UPCode
 - CatalogNumber
 - UserDefinedInfo

See Also:

- XML Schema Maintenance Overview
- Creating XML Database Schemas
- Defining XML Database Schema Translation Properties
- Eclipse Data and XML Database Schemas

Creating XML Database Schemas

Use XML Schema Maintenance to define new XML database schemas. One way to create XML database schemas is to dictionaries directly from Eclipse files. Importing dictionaries saves you time if a similar dictionary is already defined for the XML database schema you want to create. You can also create XML database schemas from scratch without importing Eclipse dictionaries.

Note: You can also modify schemas or delete schemas using XML Schema Maintenance.

Use XML Schema Maintenance to complete the following tasks:

- Import Eclipse dictionaries to create an XML database schema.
- Create XML database schemas without importing dictionaries.
- Modify and delete XML database schemas.

Importing Eclipse dictionaries to Create an XML Database Schema

Importing existing dictionaries saves you time if a similar dictionary is already defined for the XML database schema you want to create.

►To import Eclipse dictionaries to create an XML database schema:

1. From the **System > Custom** menu, select **XML Schema Maintenance** to display the XML Schema Maintenance screen.
2. In the **XML Database Schema** field, do one of the following:
 - Type the new name of the schema that you want to create and select **New**.
 - Press **F10** to select an existing XML database schema to which you want to add information from an Eclipse dictionary.
3. In the **Eclipse File** field, enter or select the Eclipse file that contains the data you want to include in your schema. You can enter standard Eclipse files or user-defined files. Press **F10** to select a valid file.

Press **F10** for a list of files with dictionaries defined in your system.

4. Use the **Import** hot key to import the dictionary information for the file.

Note: If you are an internal Eclipse user, answer **Yes** at the **Use New dictionaries Only** prompt to import only the dictionaries that meet the new Eclipse dictionary naming conventions. If you are not an Eclipse user, you do not receive this prompt.

5. The system displays details for each dictionary defined in the file you imported. Update the information for each line, as necessary.

Field	Description
XML Name	The system's translation of the dictionary name into XML format and what displays in the Business Connect XML mapping utility when mapping data to and from Eclipse data. The XML name contains no spaces, and is formatted with initial caps, for example, EmailAddress and PhoneNumber.
XML Description	The description for the dictionary as defined in Dictionary Maintenance. Update the description for each line item as necessary to further clarify each piece when mapping XML data.
AM	The attribute marker for the data. See Understanding Eclipse Data and XML Database Schemas for more information about attributes.
VM	The value marker for the data within an attribute. See Understanding Eclipse Data and XML Database Schemas for more information about values.
SVM	The sub-value marker for the data within a value. See Understanding Eclipse Data and XML Database Schemas for more information about sub-values.

6. Do the following to complete the XML database schema:

To...	Do this...
define XML database schema translation properties for each line	select the line for which you want to define translation properties and use the Properties hot key to display the XML Schema Properties screen. See Defining XML Database Schema Translation Properties for additional information about defining schema properties. Note: Setting translation properties for each line is required before you can close the XML Schema Maintenance screen and compile the XML for the schema.
delete the data definitions that you do not want to map to using the Business Connect XML mapping utility	select the line to delete and press Alt + Delete . You can only delete lines that you have added. You cannot delete standard Eclipse files that provide data essential for the supported transaction sets.
modify the imported information for a data definition, such as the description listed in the XML Description field	access the field and type the new information. Any updates that you make to the XML name and XML description are made only to the schema and do not apply to the dictionary that you imported. Note: Although you can change the values for attribute marks, value marks, and any sub-value marks, we recommend that you do not do so. Changing these markers affects how data is stored.

7. Press **Esc** to save the schema and compile the associated XML.

Creating XML Database Schemas without Importing Dictionaries

You can create XML database schemas without importing Eclipse dictionaries, however, importing dictionaries does save time when creating schemas.

►To create XML database schemas without importing dictionaries:

1. From the **System > Custom** menu, select **XML Schema Maintenance** to display the XML Schema Maintenance screen.
2. In the **XML Database Schema** field, type the name of the XML database schema you want to create and select **New**.
3. In the **Eclipse File** field, enter or select the Eclipse file that contains the data you want to include in your schema. You can enter standard Eclipse files or user-defined files. Press **F10** to select a valid file.
4. In the **XML Name** field, enter the name of the data definition, such as **Address1**. The XML name format cannot contain spaces. Use uppercase letters to distinguish between words, such as **FirstName** in a contact record.
5. In the **XML Description** field, enter a detailed description of the data. For example, for an XML name of **CreditCard**, you might enter **Default Credit Card Info** in the **XML Description** field.
6. In the **AM** field, enter the attribute mark for the data in the Eclipse file.
7. In the **VM** field, enter the value mark, if any, for the data within the attribute in the Eclipse file.
8. In the **SVM** field, enter the sub-value mark, if any, for the data within the attribute in the Eclipse file.
9. With the line selected, use the **Properties** hot key and define the XML database schema translation properties.
10. Press **Esc** to save the schema and compile the associated XML.

Modifying and Deleting XML Database Schemas

You can add data definitions for your user-defined files to the default schemas set up with your system or delete an XML database schema that is no longer valid. Ensure that any schemas you want to delete are not currently used in an XML transaction map for a trading partner.

Note: You can only delete XML database schemas that you created, not those provided by Eclipse.

►To modify XML database schemas:

1. From the **System > Custom** menu, select **XML Schema Maintenance** to display the XML Schema Maintenance screen.
2. In the **XML Database Schema** field, enter or select the XML database schema you want to modify and press **Enter**.

3. Do any the following to modify the XML database schema:

To...	Do this...
update XML database schema translation properties	select the line for which you want to define translation properties and use the Properties hot key to display the XML Schema Properties screen.
delete data definitions that you do not want to include in the schema	select the line you want to delete and press Alt + Delete . You can only delete lines that you have added. You cannot delete standard Eclipse files that provide data essential for the supported transaction sets.
modify the information for a data definition, such as, the description listed in the XML Description field	for each line you want to change, access the field and type the new information. Note: Although you can change the values for attribute marks, value marks, and any sub-value marks, we recommend that you do not do so. Changing these markers affects how data is stored.

4. Press **Esc** to save your changes to the schema and to compile the new XML.

► **To delete XML database schemas:**

1. From the **System > Custom** menu, select **XML Schema Maintenance** to display the XML Schema Maintenance screen.
2. In the **XML Database Schema** field, enter or select the XML database schema to delete and press **Enter**.
3. Use the **Delete** hot key and type **Delete** at the prompt to confirm the removal of the schema.

See Also:

XML Schema Maintenance Overview

Defining XML Database Schema Translation Properties

Eclipse Data and XML Database Schemas

How XML Database Schemas Form Transactions

Defining XML Database Schema Translation Properties

You need to define translation properties for each attribute in an XML database schema. The translation properties indicate to the system how data is converted from XML for storage in Eclipse, and how data is converted from Eclipse for transmission using XML.

Each data definition in the database schema requires that you define the following:

- The type of data that is stored in Eclipse, such as Text or Numeric.
- The type of information that is received or sent in XML, such as String or Integer.

► To define XML schema translation properties:

1. From the **System > Custom** menu, select **XML Schema Maintenance** to display the XML Schema Maintenance screen.
2. In the **XML Database Schema** field, enter or select the XML database schema for which you want to define properties.

The Eclipse data files and their associated XML information display for each line in the schema. See *Creating XML Database Schemas* for additional information.

3. Select the line for which you want to define properties and use the **Properties** hot key to display the XML Schema Properties screen.
4. In the attribute and sub-value fields, for example **AM** and **SSVM**, the system displays the information as it was defined in the XML Schema Maintenance screen. Update the values as necessary.

As you define the properties for the attribute, update the attribute mark, value mark, and sub-value marks as necessary for the data.

Note: Although you can change the values for attribute marks, value marks, and any sub-value marks, we recommend that you do not do so. These markers change how data is stored.

For additional information about attributes, values, and sub-values, see *Eclipse Data and XML Database Schemas*.

5. In the **Eclipse Database Data Type** field, select one of the following to identify the type of data stored:

Data Type	Description
Text	The Eclipse data stored is a text string, such as the name or address in a customer or contact record. If you are unsure what type of data you are defining, use Text as the default setting. In the Wrap Width field, enter the number of characters that display before wrapping occurs if the data for this field can wrap from one line to the next. In the Delimiter field, enter the character or marker in the data that indicates a new item. Typically, the delimiter for text is a value marker.
Date	The Eclipse data stored is a calendar date. The Domain Object Data Type field defaults to Integer to reflect that the data for a date is a number, such as 06/04/2004.
Numeric	The Eclipse data stored is a number, such as the credit limit or past due days defined for a customer in a customer record, or the unit weight for a product. If you select Numeric as the data type, indicate the number of places after the decimal the system allows in the Decim field. For example, if you are defining properties for unit weight for a product, you might determine that a product can be measured to two decimal places, such as 10.25 lbs.
Y/N Only	The Eclipse data stored is yes or no, such as the flag that indicates whether the entity address should be used for a contact.
* Only	The Eclipse data stored is an asterisk (*), such as, an attribute where more than one value can be set. For example, lists where you can indicate more than one option, such as indicating a bill-to/ship-to customer.
Time	The Eclipse data is a time of day, such as a normal delivery time of 8:00 am for a customer or the last updated date for a contact.
Order Qty	The Eclipse data stored is a product quantity on an order, such as total quantity of an item order, or a total ship quantity.

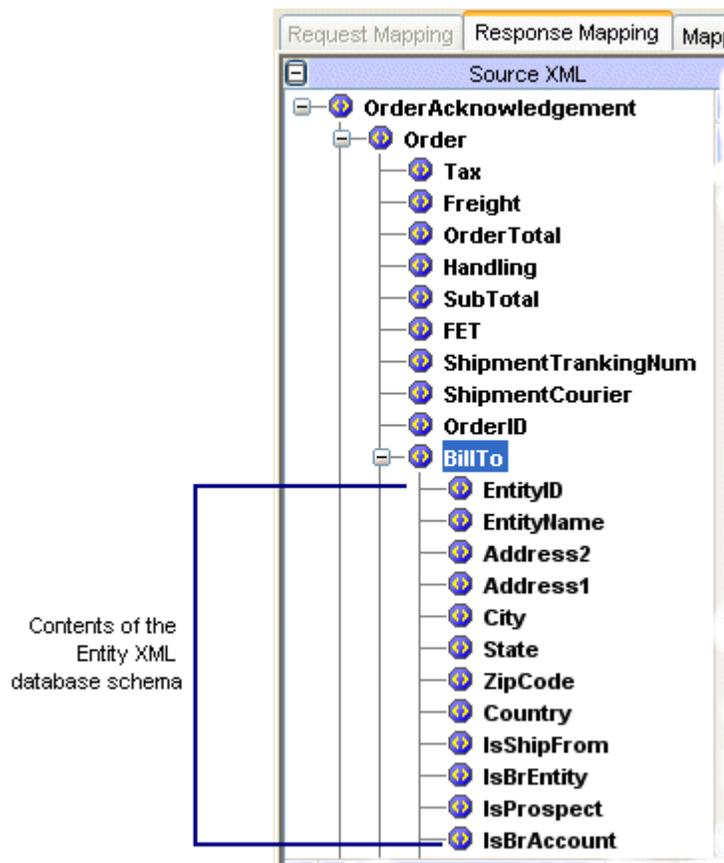
6. In the **Domain Object Data Type** field, the system displays the XML data type that is associated with the domain object data type you entered in the **Eclipse Data Type** field. You can change the value, if necessary.

Select one of the following data types:

Date type	Description
String	The data is text, such as a contact's first name or last name. String is the default setting for the Text Eclipse data type.
Boolean	The data is a yes or no value, such as a flag that indicates whether the entity address should be used for a contact. Boolean is the default setting for the Y/N Eclipse data type.
Integer	The data is a number, such as a date or a quantity. Integer is the default setting for the Date , Numeric , and Time Eclipse data types.
Real	The data is a number value that is counted, such as an order quantity or a dollar amount. Real is the default setting for the Order Qty Eclipse data type.

- To nest an XML database schema within an element in the Business Connect XML mapping utility's tree structure, enter the schema in the **Pointer to Database Schema** field. Use the **Multi** hot key to insert multiple schemas.

For example, if the bill-to address contains all the same information for an entity address, you might point the BillTo data definition to the Entity schema. When a transaction is defined that uses the schema in the Business Connect XML mapping utility, the nested element in the **Pointer to Database Schema** field displays as a child element.



- If the data definition can have multiple values, continue with the procedure below. If it does not allow multiple values, press **Esc** to save the property settings and return to the XML Schema Maintenance screen.

► **To define multiple value settings for an XML schema translation:**

- Complete the procedure above.
- In the **Can this position have Multiple Values** field, enter **Yes**.
- In the **XML Table Name** field, enter the Eclipse database table where they system stores the XML data.

For example, if you are defining properties for a contact's credit cards, your Contact XML database schema might contain two pieces of data: Credit Card Types and Credit Card Numbers. A contact can use more than one credit card to pay for orders, so the

attributes contain more than one credit card type and credit card number. These values can be stored in a table called Credit Card Information with values and sub-values.

4. In the **Will this Table Always contain a value** field, enter **Yes** to indicate that the XML table you indicated in the previous field requires a value. If the table does not always need to contain a value, enter **No**.
5. Press **Esc** to save your changes and return to the XML Schema Maintenance screen.

See Also:

XML Schema Maintenance Overview

Creating XML Database Schemas

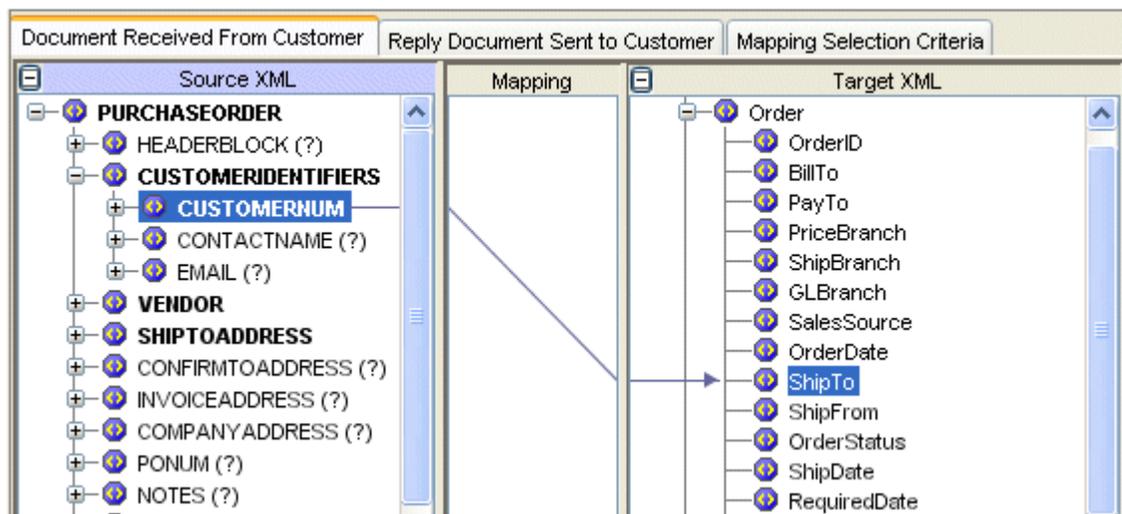
Eclipse Data and XML Database Schemas

How XML Database Schemas Form Transactions

Business Connect XML Mapping Utility Overview

Use the Business Connect XML mapping utility to define how the system translates data transmitted using XML from your trading partners' format to a format that Eclipse can understand. Also use the mapping utility to define how the system translates data stored in Eclipse to a format that your trading partners' systems can understand.

For example, you receive orders from a trading partner in XML. You can map data in a customer order submit request from a trading partner to corresponding data elements in Eclipse that make up an Eclipse sales order. The trading partner sends data in an XML element called PurchaseOrder/CustomerIdentifiers/CustomerNum. To process the information, map that element to the OrderSubmit/Order/ShipTo data element in Eclipse.



To create an order acknowledgement response to the order request, map the Eclipse data you send to an XML element the trading partner can understand.

See the following topics to add trading partners and transactions:

- Adding and Editing XML Trading Partners
- XML Transaction Maps Overview
- Mapping XML and Eclipse Data Elements
- Valid XML Mappings and Precautions
- Creating XML Transaction Maps
- Defining XML Mapping Selection Criteria

See the following topics for additional information about the mapping utility:

- Business Connect XML Mapping Utility Main Window Aspects
- Business Connect XML Mapping Utility Symbols

Accessing the Business Connect XML Mapping Utility

The Business Connect XML mapping utility is a client application that opens outside the Eclipse Eterm and Solar Eclipse environment.

► **To access the Business Connect XML mapping utility:**

1. From the Windows **Start** menu, select **Programs > Eclipse > Business Connect XML Mapper**.

The Eclipse Login dialog box displays.

2. In the **User Name** field, enter the user name you use to log in to Eclipse.
3. In the **Password** field, enter the password you use to log in to Eclipse.
4. Click **OK** to open the Business Connect XML mapping utility.

See Also:

Business Connect XML Mapping Utility Overview

Setting XML Mapping Utility Preferences

Setting Business Connect XML Mapping Utility Preferences

Set the following preferences in the Business Connect XML mapping utility:

- Change the application server to which the mapping utility points.
- Change the default HTTP port to display the online Help system.

►To change the application server settings:

1. Access the Business Connect XML mapping utility,
2. From the **File** menu, select **Preferences** to display the Preferences dialog box.
3. In the **Application Server Address** field, enter the IP address or domain name and the port number to the application server that is running the Business Connect XML application.

Note: The port number to the application server is 1099.

4. Click **OK** to save the setting and return to the main window.

►To set the HTTP port for access to the online Help:

Note: When you install the Business Connect XML mapping utility, it sets a default HTTP port. Change this value if you are experiencing port conflicts.

1. Access the Business Connect XML mapping utility.
2. From the **File** menu, select **Preferences** to display the Preferences dialog box.
3. In the **HTTP Port** field, enter the port number to access the online Help.
4. Click **OK** to save the setting and return to the main window.

See Also:

Business Connect XML Mapping Utility Overview

Adding and Editing XML Trading Partners

Before you can create transaction maps, add the XML trading partners with whom you are doing business to the Trading Partners Tree in the mapping utility. The Trading Partners Tree is a way to organize your trading partners and their associated transaction maps.

The trading partners display in the tree in the order that you add them. The system validates any trading partners you enter against the entity records in Eclipse. You can only enter customers or vendors that have a record defined within Eclipse.

To make any changes to an XML trading partner's profile, access the customer or vendor record within Eclipse. To edit the name of the trading partner in the Trading Partner Tree within the mapping utility, use the instructions below.

If a trading partner in the tree does not have any transactions defined, the system deletes the trading partner from the tree when you exit the mapping utility.

Note: Editing a trading partner name is transaction map specific. That is, you can use the editing function to move a transaction map to a different trading partner in the tree. For additional information, see the procedure below.

► To add an XML trading partner in the mapping utility:

1. Access the Business Connect XML mapping utility.
2. From the **File** menu, select **New Trading Partner** to display the Trading Partner dialog box.
3. Enter the name of the customer or vendor defined in Eclipse that you want to add as an XML trading partner.

You can also enter the entity ID or the first few letters of the name and click the arrow to search for the customer or vendor.

4. Click **OK** to add the trading partner to the Trading Partners Tree on the left side of the main window.

The system validates the trading partner you entered against the existing customer and vendor records. If a match is not found, No Entity Found displays.

► To edit the name of an XML trading partner in the mapping utility:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. From the **Edit** menu, select **Edit Trading Partner** to display the Edit Trading Partner dialog box.
4. Enter a new trading partner name and click **OK**.

The system renames the trading partner, and places the selected transaction under the new name in the Trading Partner Tree, and removes it from the original trading partner name.

Note: The system validates the trading partner you entered against the Eclipse customer and vendor records. If a match is not found, No Entity Found displays.

See Also:

Creating XML Transaction Maps

Mapping XML and Eclipse Data Elements

Valid XML Mappings and Precautions

Business Connect XML Mapping Utility Main Window Aspects

XML Transaction Maps Overview

Before you can begin using Business Connect XML to do business with your trading partners using XML, you need to determine what XML standard each trading partner is going to use. All XML standards have associated document type definition (DTD) files that explain the data elements in the XML documents they send you. DTD files determine what data elements your trading partners can receive from you.

What is an XML Transaction?

An XML transaction can consist of the following components:

- An inbound request (received document), such as an order from a customer that contains the customer data required to enter and ship the order plus the line items for products on the order.
- An outbound request (reply document), such as an order acknowledgement that lets a customer know that you successfully received their order request.

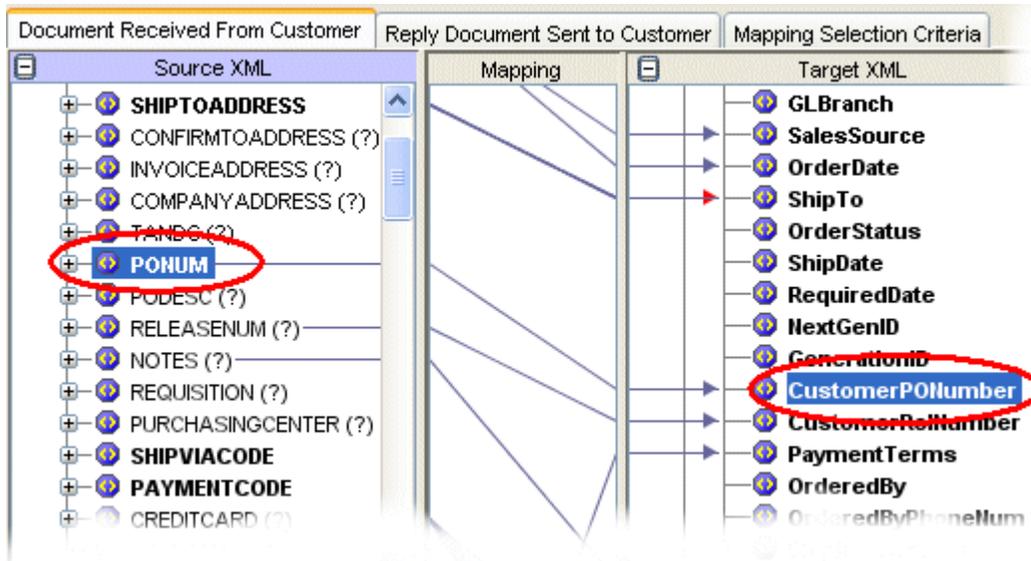
A transaction can be an inbound-only transaction (such as an invoice you receive from a vendor) with no outbound reply document, or an outbound-only transaction (such as an invoice you send to your customer) with no inbound received document.

What is a Transaction Map?

A transaction map creates an XQuery, which the system uses to translate data from an XML document to a format Eclipse can understand, or to translate Eclipse data to XML. A valid transaction map includes a received document, sent document, or both, and mapping selection criteria.

The elements defined in the DTD files from your trading partners might contain elements that are not named the same as Eclipse elements. Therefore, when you receive XML data from a trading partner or send data from Eclipse to a trading partner the system needs to know which elements to associate with elements in Eclipse. A transaction map associates the elements from a trading partner's XML document to the elements in Eclipse.

For example, your trading partner sends the purchase order number information in an order request in an element called PONum. Eclipse stores PO number or order number address information in the CustomerPONumber element in the database. Therefore, you need to associate the element from the DTD file to the corresponding element in Eclipse. Using the Business Connect XML mapping utility, you can make that association by drawing a line between the two elements, as shown in the following illustration:



Define a transaction map for each transaction type for each trading partner with which you do business using XML. For instructions to create a complete transaction map, see [Creating XML Transaction Maps](#).

What if the Data Sent and Received is in Different Formats?

At times, your trading partners might define data in a different format than how Eclipse can store it. For example, you have a trading partner that defines dates in the mm/dd/yy format, where Eclipse stores dates in the mm/dd/yyyy format. Or, you have a trading partner that defines the unit of measure of each as "each" where Eclipse stores the same unit of measure as "ea."

To process XML transactions successfully, you might need to manipulate incoming or outgoing data to match the intended format. The system translates the data to the new format before saving it or sending it. You can modify each element in the **Target XML** column of a transaction for both the received document map and the sent document map using operations such as concatenation, adding, subtracting, and defining table-based conversions. For additional information about how to manipulate the XML data for translation, see [Modifying Incoming and Outgoing XML Data](#).

How Does the System Know to Use the Map I Defined?

You might have trading relationships with many customers and vendors, therefore receiving and sending multiple XML documents to and from different trading partners in one day. As the system receives and sends XML transactions, it scans the XML documents for an element or a value that you define per transaction for each trading partner. This element or value tells the system which trading partner is sending or receiving the XML document and which transaction map to use to translate the XML.

For example, trading partner ABC Company sends you order requests with the following data elements within the XML:

HeaderBlock

From
To
CustomerIdentifiers
 CompanyName
 CustomerNum
 Email
ItemList
.
.

If ABC Company is the only trading partner you have that sends you an XML document with the CustomerNum element, you can tag that element in the transaction map as the indicator. When the system receives the XML, it scans the content of the request and knows it is from ABC Company when it reaches the CustomerNum element and also knows to use the map you have defined for an order request transaction from ABC Company. However, if ABC Company sends you multiple XML documents that contain the CustomerNum element, defining the element itself does not provide the system enough information to distinguish the map. In this case, or if you have another trading partner that uses the same element, define a value sent in the element as the map indicator.

For each transaction map that you create, define an element tag as the indicator or a value as the indicator.

See Also:

Valid XML Mappings and Precautions

Creating XML Transaction Maps

Mapping XML and Eclipse Data Elements

The Business Connect XML mapping utility provides a way to connect source and target elements using drag and drop functionality. The mapping utility represents each connection using a line that you draw from the **Source XML** column to the **Target XML** column. Each connection is also represented in the preview pane of the mapping utility main window. For more information about the mapping utility, see Business Connect XML Mapping Utility Overview. For more information about transaction maps, see XML Transaction Maps Overview.

Bold elements in a trading partner's DTD indicate elements that are required for the transaction.

See the following instructions to map elements:

- Map source and target elements (one-to-one, one-to-many, and many-to-one relationships).
- Map repeating groups to non-repeating groups (many-to-one relationships).
- Delete element mappings.

▶ To map source and target elements (one-to-one, one-to-many, and many-to-one relationships):

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.

Note: Expand the elements as necessary to access nested elements.

3. In the **Source XML** column, select the element you want to connect to a target element.
4. Click and drag the selected source element to the element in the **Target XML** column to which you want to connect the source element.

The system draws a line from the source element through the **Mapping** column to the target element and highlights the elements mapped together.

Note: You can also view the map in column format using the Mapping Preview pane.

▶ To map repeating groups (many-to-one relationships):

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.

Note: Expand the elements as necessary to access nested elements.

3. In the **Source XML** column, select the repeating element you want to connect to a target element.

Note: Repeating groups are identified in a DTD file with a plus (+) after the element.

4. Click and drag the selected source element to the element in the **Target XML** column to which you want to connect the source element.

The Repeating Group Selection dialog box displays with the source element listed in the **Group Name** field.

5. In the **Occurrence** field, indicate the occurrence number that you want to map to the target element.

For example, a trading partner sends you contact telephone numbers in an element called ContactNumber nested in an element called Contact. The ContactNumber is a repeating group that can occur one or multiple times:

- The first time it occurs, the telephone number it contains is the contact's business phone number.
- The second time it occurs, the telephone number it contains is the contact's mobile phone number.
- The third time it occurs, the telephone number it contains is the contact's home phone number.

You want to map the contact's business phone number to a target data element. In this example, enter **1** in the **Occurrence** field to indicate that you want to map the first occurrence of the repeating group to capture the business telephone number.

6. Click **OK** to save the information and return to the mapping utility main window.

► **To delete element mappings:**

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.

Note: Expand the elements as necessary to access nested elements.

3. In the **Target XML** column, right-click the element whose connection you want to remove and select **Remove Mapping**.

The system removes the connection between the source element and the target element.

See Also:

Creating XML Transaction Maps

Valid XML Mappings and Precautions

Duplicating XML Elements for Repeating Groups

Valid XML Mappings and Precautions

When creating maps between XML elements and Eclipse database elements, every line you draw represents a movement of data from an XML document to Eclipse, or from Eclipse to an XML document being sent to your customers' or vendors' systems.

You can create maps from almost any source element to almost any target element. Be sure to make the connections in a logical manner. For example, do not map elements to the BillTo element in Eclipse. Any data you map to the BillTo element overwrites the BillTo information you have stored in the customer record for the trading partner. Instead, map a *customer number* or *ID* to the ShipTo element. The system verifies that the incoming number or ID is valid and matches a customer ID or e-commerce ID in the system and then populates the BillTo information from the customer record.

Note: If an XML element in the document type definition (DTD) file for a received or sent document has nested elements, the mapping utility might not allow you to draw a connection from or to the parent element. Expand the element to map the nested children, if necessary.

The symbols that display for a DTD file in the mapping utility indicate what types of data can be transmitted in the corresponding XML document. For example, items on an order request might be indicated with a plus sign (+) in the mapping utility, indicating that they are a repeating group. The repeating group symbol means that the element can occur multiple times within the XML document.

Mapping Fields with Modified Data

As you create your transaction maps, note that any field that you map and add data modifications to must be contained in the XML document you send or receive. The field in the XML document can be blank; however, if the tag does not exist in the XML document for a mapped field, the system gives you an error.

Mapping Repeating Groups

In creating your transaction maps, take into consideration how repeating groups are stored in Eclipse. For example, the data element called Item in a customer's DTD file likely contains additional nested elements such as ItemNum and Description. You can logically map these elements to the ProductID and ProductKeywords database elements in Eclipse, thus, creating a logical map where the system can store the information from the repeating group.

You can map the following:

- A single element from the source to a single element in the target (one-to-one mapping).
- A single element from the source to multiple elements in the target (one-to-many mapping).
- Multiple elements from the source to a single field in the target (many-to-one mapping). The system concatenates each element from the source into the target element.

Note: A valid transaction map includes an inbound request, an outbound request, or both, and mapping selection criteria. Inbound and outbound documents can be one directional, that is, inbound only or outbound only.

See Also:

Required Transaction Data

Creating XML Transaction Maps

Creating XML Transaction Maps

Use the Business Connect XML mapping utility to create a relationship between the document type definition (DTD) files you receive from your trading partners and Eclipse data. Define the relationship by creating a transaction map.

Creating an XML transaction map requires completing the following tasks:

- Defining transaction types and selecting DTD files.
- Mapping the received XML.
- Mapping the sent or reply XML.
- Defining mapping selection criteria.

To better understand the layout of the mapping utility, see Business Connect XML Mapping Utility Main Window Aspects.

Note: If you need to modify the XML data, modify the mapping characteristics after creating the XML transaction map.

Defining Transaction Types and Selecting DTD Files

Create transaction maps for each transaction you want to trade with each trading partner. Before you can create a transaction map, you must work with your trading partner to obtain DTD files and document specifications. DTD files define the data that is contained within each document you trade using XML. For more information, see Getting Started with Business Connect XML.

A transaction can be a received-only transaction with no reply document, or a sent-to only transaction with no received document.

► To define the transaction type and select the DTD files:

1. Access the Business Connect XML mapping utility and select the trading partner for which you want to define a transaction.
2. Right-click the trading partner and select **New Transaction Map** to display the New Transaction Map dialog box.
3. In the **Transaction Name** field, enter the name of the transaction, such as Purchase Order. The name you enter here displays in the Trading Partners Tree under the trading partner.
4. In the **Transaction Source** field, enter the portal or marketplace the trading partner uses for the transaction. Entering a transaction source allows you to sort by the source in the remote review queues within Eclipse.

- Based on the trading partner for which you are creating the transaction map, the New Transaction Map dialog box displays fields specific to customers or vendors. Enter the transaction type and DTD information in the fields for a customer or vendor transaction.

Vendor Transaction Type	Description
<p>Document <i>sent to the vendor</i> and a reply document <i>received from the vendor</i></p> <p>(outbound with an inbound response)</p>	<ol style="list-style-type: none"> In the Transaction Type field in the Document Sent to Vendor area of the New Transaction Map dialog box, select the transaction type of the document you receive from your vendor. <p>For example, if you are creating a map for a purchase order transaction, select Order Submit as the type in the Transaction Type field. Your selection populates the Source XML column in the mapping utility's main window for the sent document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility.</p> <p>The options available in the Transaction Type field are defined in XML database schemas.</p> <ol style="list-style-type: none"> In the Vendor's DTD field in the Document Sent to Vendor area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Target XML column in the mapping utility's main window for the sent document map. Click Browse to select the field. In the Transaction Type field in the Reply Document Received from Vendor area, select the transaction type of the reply document your vendor sends to you. <p>For example, if you are creating a map for a purchase order transaction, select Order SubmitResponse as the type in the Transaction Type field. Your selection populates the Target XML column in the mapping utility's main window for the received document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility.</p> <p>The options available in the Transaction Type field are defined in XML database schemas.</p> <ol style="list-style-type: none"> In the Vendor's DTD field in the ReplyDocument Received from Vendor area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Source XML column in the mapping utility's main window for the received document map. Click Browse to select the file.

Vendor Transaction Type	Description
<p>Document <i>sent to</i> the vendor, but no reply document <i>received from</i> the vendor (outbound only)</p>	<ol style="list-style-type: none"> <li>1. In the Transaction Type field in the Document Sent to Vendor area of the New Transaction Map dialog box, select the transaction type of the document you receive from your vendor. For example, if you are creating a map for a purchase order transaction, select Order Submit as the type in the Transaction Type field. Your selection populates the Source XML column in the mapping utility's main window for the sent document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility. The options available in the Transaction Type field are defined in XML database schemas. <li>2. In the Vendor's DTD field in the Document Sent to Vendor area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Target XML column in the mapping utility's main window for the sent document map. Click Browse to select the file. <li>3. In the Reply Document Received from Vendor area, select the No Reply Will Be Received check box to indicate that the vendor does not send a reply to your request. When your vendor's system receives your XML document, it sends an immediate HTTP Status 200 message back to your system. The Status 200 message indicates that the system received your request. The Document Received From Vendor tab is disabled for the transaction map.

Vendor Transaction Type	Description
<p>Document <i>received from</i> the vendor, but no document <i>sent to</i> the vendor (inbound only)</p>	<ol style="list-style-type: none"> <li>1. In the Document Sent to Vendor area of the New Transaction Map dialog box, select the No Document Will Be Sent check box to indicate that you are not sending an XML document to your vendor. The Reply Document Sent To Vendor tab is disabled for the transaction map. <li>2. In the Transaction Type field in the Document Received from Vendor area, select the transaction type of the document your vendor sends to you. For example, if you are creating a map for an invoice transaction, select Invoice as the type in the Transaction Type field. Your selection populates the Target XML column in the mapping utility's main window for the received document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility. The options available in the Transaction Type field are defined in XML database schemas. <li>3. In the Vendor's DTD field in the Document Received from Vendor area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Source XML column in the mapping utility's main window for the received document map. Click Browse to select the file.

Customer Transaction Type	Instructions
<p>Document <i>received from</i> the customer and a reply document <i>sent to</i> the customer (inbound with an outbound response)</p>	<ol style="list-style-type: none"> <li> <p>In the Transaction Type field in the Document Received from Customer area of the New Transaction Map dialog box, select the transaction type of the document you receive from your customer.</p> <p>For example, if you are creating a map for a purchase order transaction, select Order Submit as the type in the Transaction Type field. Your selection populates the Target XML column in the mapping utility's main window for the received document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility.</p> <p>The options available in the Transaction Type field are defined in XML database schemas.</p> <li> <p>In the Customer's DTD field in the Document Received from Customer area of the New Transaction Map dialog box, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Source XML column in the mapping utility's main window for the received document map. Click Browse to select the file.</p> <li> <p>In the Transaction Type field in the Reply Document Sent to Customer area, select the transaction type of the reply document you send to your customer.</p> <p>For example, if you are creating a map for a purchase order transaction, select Order Submit Response as the type in the Transaction Type field. Your selection populates the Source XML column in the mapping utility's main window for the sent document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility.</p> <p>The options available in the Transaction Type field are defined in the XML transaction schemas.</p> <li> <p>In the ReplyDocument Sent to Customer area enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Target XML column in the mapping utility's main window for the sent document map. Click Browse to select the file.</p>

Customer Transaction Type	Instructions
<p>Document <i>received from</i> the customer, but no reply document <i>sent to</i> the customer (inbound only)</p>	<ol style="list-style-type: none"> 1. In the Transaction Type field in the Document Received from Customer area of the New Transaction Map dialog box, select the transaction type of the document you receive from your customer. Your selection populates the Target XML column in the mapping utility's main window for the received document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility. The options available in the Transaction Type field are defined in XML database schemas. 2. In the Customer's DTD field in the Document Received from Customer area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Source XML column in the mapping utility's main window for the received document map. Click Browse to select the file. 3. In the Reply Document Sent to Customer area, select the No Reply Will Be Sent check box to indicate the transaction type does not require a response. When your system receives the XML document from your customer, it sends an immediate HTTP Status 200 message back to the system that sent the document. The Status 200 message indicates that your system received the request The Reply Document Sent To Customer tab is disabled for the transaction map.

Customer Transaction Type	Instructions
<p>No document <i>received from</i> the customer, but a document is <i>sent to</i> the customer (outbound only)</p>	<ol style="list-style-type: none"> <li>1. In the Document Received from Customer area of the New Transaction Map dialog box, select the No Document Will Be Received check box to indicate the transaction does not have an inbound transaction type, such as sending an invoice to your customer. The Document Received From Customer tab is disabled for the transaction map. <li>2. In the Transaction Type field in the Document Sent to Customer area, select the transaction type for the document you send to your customer. For example, if you are creating a map to send an invoice to your customer, select Invoice as the type in the Transaction Type field. Your selection populates the Source XML column in the mapping utility's main window for the sent document map and determines which elements in Eclipse are available. For additional information about how your selections display in the main window, see Understanding the Business Connect XML Mapping Utility. The options available in the Transaction Type field are defined in XML database schemas. <li>3. In the Customer's DTD field in the Document Sent to Customer area, enter the path to the DTD file your trading partner provided you for this transaction type. The DTD you enter here populates the Target XML column in the mapping utility's main window for the sent document map. Click Browse to select the file.

7. Click **OK** to add the transaction under the trading partner in the Trading Partner Tree.
8. If the transaction has a received document, continue with Mapping the Received XML. If the transaction does not have a received document, continue with Mapping the Reply/Sent XML.

Mapping the Received XML

If the transaction you are mapping contains a received document, map the received DTD elements from your trading partner to the Eclipse database elements available for the transaction type. If the transaction you are mapping does not contain a received transaction type, the **Document Received From Customer/Vendor** tab of the mapping utility is disabled.

Note: The tab name changes based on whether you are creating a customer or vendor transaction map.

►To map the request XML:

1. If the transaction you want to map is not open, right-click the transaction in the Trading Partners Tree and select **Edit Transaction Map**.

2. Select the **Document Received From Customer/Vendor** tab to display the DTD for the source XML and the elements in Eclipse to which you can map the data.
3. Map elements from the **Source XML** column to elements in the **Target XML** column. For additional information about how to map and guidelines for creating valid mapping connections, see Mapping XML and Eclipse Data Elements.
4. Modify the mapping characteristics, as necessary.
5. If the transaction has an outgoing transaction type, continue with Mapping the Reply/Sent XML. If the transaction is a received-only transaction type, continue with Defining XML Mapping Selection Criteria.

Mapping the Reply/Sent XML

If the transaction you are mapping contains a document you are sending to a customer or vendor, map Eclipse elements available for the transaction type to the elements in the response DTD from your trading partner. If the transaction you are mapping does not contain a reply/sent transaction type, the **Document Sent to Customer/Vendor** tab of the mapping utility is disabled.

Note: The tab name changes based on whether you are creating a customer or vendor transaction map.

► To map the reply/sent XML:

1. If the transaction you want to map is not open, right-click the transaction in the Trading Partners Tree and select **Edit Transaction Map**.
2. Select the **Document Sent To Customer/Vendor** tab to display the DTD for the reply/sent XML and the data elements in Eclipse from which you map the outgoing data.
3. Map Eclipse database elements in the **Source XML** column to the data elements in the response DTD in the **Target XML** column. For additional information about how to map and guidelines for creating valid mapping connections, see Mapping XML and Eclipse Data Elements.
4. Modify the mapping characteristics, as necessary.
5. Define the XML mapping selection criteria.
6. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Defining XML Mapping Selection Criteria

Modifying Incoming and Outgoing XML Data

Previewing XML Transaction Maps

Business Connect XML Mapping Utility Main Window Aspects

XML Transaction Maps Overview

Required XML Transaction Data

When creating maps between XML elements and Eclipse database elements, some transaction types have data that is required to send the transaction through the system.

- Required data for customer transactions.
- Required data for vendor transactions.

Required Data for Customer Transactions

The following data is required for transactions you send to or receive from your customers:

Transaction Type	Required Data Mapped to Eclipse
Order Submit Request for Quote	<ul style="list-style-type: none"> • ShipTo – Can be either the Eclipse ID or the customer e-commerce ID. • ProductIdentifier – Can be the UPC, product keywords, product ID, or the customer part number. • TotalQty – Defaults to one each for each product if you do not map data to this element, or if this element is mapped but the XML document contains no data.
Product Inquiry	<ul style="list-style-type: none"> • ProductIdentifier – Can be the UPC, product keywords, product ID, or customer part number.
Order Inquiry	<ul style="list-style-type: none"> • OrderID.
Change Order Request	<ul style="list-style-type: none"> • ChangeType – Free form text is allowed. • OrderID or CustomerPONumber. • Any elements that identify the changes to the order.

Required Data for Vendor Transactions

The following data is required for transactions you send to or receive from your vendors:

Transaction Type	Required Data Mapped to Eclipse
Order Acknowledgement Advance Ship Notice Invoice	<ul style="list-style-type: none"> • OrderID. • PayTo or ShipFrom. • ProductIdentifier – Can be the UPC code, product ID, customer part number, or vendor catalog number. • TotalQty – The total quantity on the order. <p>When creating a transaction map for an order acknowledgement that you receive from your vendor, map the full ordered quantity from the vendor's DTD to TotalQty in Eclipse. If the full order quantity is not filled in and not correct, the system cannot match the acknowledgement to an order in your system.</p> <p>When creating a transaction map for an invoice that you receive from your vendor, map the number being shipped from the vendor's DTD to TotalQty in Eclipse.</p> <p>Note: TotalQty and InStockShipQty are located under OrderDetail in the Vendor Order Acknowledgement transaction type.</p> <ul style="list-style-type: none"> • InStockShipQty - Quantity available for shipment. <p>When creating a transaction map for an order acknowledgement that you receive from your vendor, map the total number of items being acknowledged from the vendor's DTD to the InStockShipQty in Eclipse. If the full order quantity is not filled in and not correct, the system cannot match the acknowledgement to an order in your system.</p> <p>Note: TotalQty and InStockShipQty are located under OrderDetail in the Vendor Order Acknowledgement transaction type.</p>
Direct Order Submit	<ul style="list-style-type: none"> • ShipTo. Located under the CustomerSalesOrderID element in a vendor direct order submit transaction. The CustomerSalesOrderID element references the header information specific to the customer receiving the items on the direct order. • BillTo. Located under the CustomerSalesOrderID element in a vendor direct order submit transaction. The CustomerSalesOrderID element references the header information specific to the customer receiving the items on the direct order.

See Also:

Creating XML Transaction Maps

Valid XML Mappings and Precautions

Adding and Editing Source Distinctions in XML Transaction Maps

When you create your transaction maps, you can associate each map to a source, such as a portal or marketplace, or to a general specification, such as xCBL or cXML. You might have more than one trading partner that trades through a portal or marketplace or more than one trading partner that uses the same XML specifications. Assign a transaction source and use that source to filter what displays in Remote Archive Maintenance. For example, if you have three trading partners that are using a source, such as iProcure, you can filter the remote archive to display only transactions that are sent through that source, and the system displays transactions from all three trading partners that were sent through the same source.

► To add a source distinction to an XML transaction map:

1. Access the Business Connect XML mapping utility and select the trading partner for which you want to define a transaction.
2. Create a new transaction map.
3. In the **Transaction Source** field, click the down arrow to select the portal or marketplace used for the transaction.

The Selection dialog box displays.

4. Do one of the following:
 - Select an existing source name – Select a name in the list to add it to the **Transaction Source** field in the New Transaction Map dialog box.
 - Create a new source name – Click **Create New** and enter the new source name. Click **OK** to add it to the **Transaction Source** field in the New Transaction Map dialog box. The name is also added to the selection list for future transactions.
5. Continue creating the transaction map.

► To edit a transaction source:

1. Access the Business Connect XML mapping utility.
2. Right-click the transaction in the Trading Partner Tree that you want to rename and select **Edit Transaction Map** to display the transaction map.
3. From the **Edit** menu, select **Edit Transaction Source** to display the Mapping Source dialog box.
4. Enter or select a new source and click **OK**.
5. The system updates the transaction source for the transaction map.

See Also:

Creating XML Transaction Maps

Defining XML Mapping Selection Criteria

You might have trading relationships with many customers and vendors, therefore receiving and sending multiple XML documents to and from different trading partners in one day. As the system receives and sends XML transaction requests, it scans the XML for an element or a value that you define per transaction for each trading partner. This element or value tells the system which trading partner is sending or receiving the XML document and which transaction map to use to translate the XML.

Note: You must define the mapping selection criteria before you can save a transaction map.

For each transaction map for each trading partner, define one of the following:

- Element tag as the selection indicator.
- Value as the selection indicator.

Note: For a purchase order that you send to your vendor, use only the PayTo and ShipFrom elements as selection criteria.

► To define an element tag as the selection indicator:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Select the **Mapping Selection Criteria** tab to display the available elements to define as map indicators.

If the transaction map is a received transaction type, the content of the DTD for the received document displays in this tab. If the transaction map is a sent-only transaction type, the content of the DTD for the sent document displays.

4. Right-click the element to use as the indicator and select **Set Selection Criteria** to display the Selection Criteria dialog box.
5. Select the **This Tag Exists** option to indicate that the system should look only for this tag, not a value associated with this tag.
6. Click **OK** to save the setting and return to the **Mapping Selection Criteria** tab.

The option you selected displays with a red highlight.

7. From the **File** menu, select **Save Transaction Map** to save the map settings.

Note: To change the indicator, repeat steps 3 through 6.

►To define a value as the selection indicator:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Select the **Mapping Selection Criteria** tab to display the available elements to define as map indicators.

If the transaction map is a received transaction type, the content of the DTD for the received document displays in this tab. If the transaction map is a sent-only transaction type, the content of the DTD for the sent document displays.

4. Right-click the element to use as the indicator and select **Set Selection Criteria** to display the Selection Criteria dialog box.
5. Select the **This Tag Exists With Values** option to indicate that the system should look for values defined within the element.
6. In the **Value** field, enter the value the system uses to identify this trading partner and press **Enter** to add the value to the list.
7. Repeat steps 5 and 6 to add additional values, as necessary.

Note: To delete a value from the list, select the value and click the X button.

8. Click **OK** to save the setting and return to the Mapping Selection Criteria tab.
The option you selected displays with a red highlight.
9. From the **File** menu, select **Save Transaction Map** to save the map settings.

Note: To change the indicator, repeat steps 3 through 8.

See Also:

Creating XML Transaction Maps

Previewing XML Transaction Maps

Business Connect XML Mapping Utility Main Window Aspects

XML Transaction Maps Overview

Duplicating XML Elements for Repeating Groups

A document type definition (DTD) file indicates that an element repeats by using a plus sign (+) or an asterisk (*) after the element name. The symbols display in the Business Connect XML mapping utility as well. Some XML specifications place significance on data in repeating groups, and you need to map each piece of data sent in the repeating group.

Because a repeating group is indicated in the DTD only once, it can be difficult to map data from each repetition of the element. Use the mapping utility to duplicate the element within a repeating group to make mapping the repeating information clearer.

For example, your trading partner sends you an XML document that contains a repeating element called Partner. Your XML specifications indicate that the Partner element occurs three times in the XML document they send. Each repetition of the Partner element defines different required data, as shown in the following example:

```
<Partner>
  <PartnerType> Includes Bill-to data
  <PartnerID>
<Partner>
  <PartnerType> Includes Ship-to data
  <PartnerID>
<Partner>
  <PartnerType> Includes Buyer data
  <PartnerID>
```

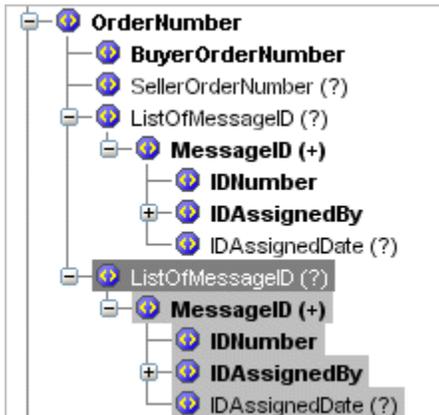
When you create the transaction map for the repeating group, the Partner and its children occur only once in the DTD, but you need to map and save all three pieces of data. Duplicate the element in the mapping utility so you have three instances from which to map.

To pull only one piece of data from a repeating group, use a logical expression to modify the XML data.

► To duplicate XML elements for repeating groups:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the tab to display the map in which you want to duplicate an element.
4. In the source or target DTD, depending on the map you have displayed, select the element to duplicate.
5. Right-click the element and select **Duplicate this Node**.

The system duplicates the entire element. You can also duplicate children within a node. Each duplicated element displays with a gray highlight.



6. Map the element, as needed.

If your XML specification indicates that each instance of a repeating group is required, map all instances of the repeating groups.

7. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Creating XML Transaction Maps

Defining Logical Expressions for XML Data

Mapping XML and Eclipse Data Elements

Searching for XML Elements in Transaction Maps

You can have lengthy document definition files (DTD) files or the list of elements in Eclipse can be lengthy. You can search for text in either the **Source XML** column or the **Target XML** column in a transaction map. You can also search for elements in the Mapping Selection Criteria tab.

► To search for XML elements in transaction maps:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. From the **Options** menu, select **Find**.

Note: If you want to search the contents of **Mapping Selection Criteria** tab, select that tab and then select **Find** from the **Options** menu. Continue with step 5.

4. Click the button corresponding to the column you want to search, **Source** or **Target**, to display the Tree Node Search dialog box.
5. In the **Search Text** field, enter the text you want to find.
6. In the **Deepest Tree Level** field, enter the number of levels deep you want to search.

For example, you might have a DTD file from a trading partner that has a data element structured as follows:

```

ItemList
  Item
    ItemNum
      Attachments
        Attachment
          URL
  
```

The <URL> element is six levels deep. If you enter 3 in the Deepest Tree Level field and search for URL, the search will not locate the element, because it is six levels deep.

7. Click **Search** to find the first occurrence of the text in the column you selected. The system highlights the first occurrence.
8. Click **Search Next** to find the next occurrence.
9. Click **Cancel** in the Tree Node Search dialog box to return to the main window.

Adding HTTP Headers to XML Transaction Maps

Your trading partners might require that you add security or other information to an XML document in the form of an HTTP header. Including an HTTP header section in an XML document allows your trading partner's system to examine the information in the header prior to opening the XML document. An XML document can include more than one HTTP header section.

When you preview the XML translation for the transaction map containing an HTTP header, the HTTP header displays as part of the XML in the response document. When the XML is transformed and sent to your trading partner, the system extracts the information and adds it to the HTTP headers in the HTTP transaction.

Note: You can add HTTP header information only to transaction maps for outgoing XML documents.

► To add an HTTP header to an XML transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the **Document Sent to Customer/Vendor** tab to display the DTD for the reply/sent XML.
4. In the **Target XML** column, right-click any element and select **Add HTTP Header Info** to display the Add HTTP Header Info dialog box.

The default element name displays.

5. Update the element name, as needed. We recommend you use the default element name.
6. Click **OK** to add the HTTP header element to the **Target XML** column.
7. Map the element, as needed.
8. Modify the mapping characteristics, as needed.
9. From the **File** menu, select **Save Transaction Map** to save the map.

► To delete an HTTP header from an XML transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the **Document Sent to Customer/Vendor** tab to display the DTD for the reply/sent XML.
4. In the **Target XML** column, right-click the HTTP header element you want to delete and select **Remove HTTP Header Info**.
5. From the **File** menu, select **Save Transaction Map** to save the map.

Indicating the Document Type in XML Transaction Maps

Your trading partners might require that you declare the document type in a DOCTYPE element in XML documents you send. The DOCTYPE declaration contains a URL to the document type definition (DTD) or schema that defines the XML document, and tells your trading partner's system which DTD or schema to use to validate the XML.

Note: You can add a DOCTYPE declaration only to transaction maps for XML documents you are sending to a trading partner. XML documents that you receive from your trading partners do not require a DOCTYPE declaration.

► To indicate the document type in an XML transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the **Document Sent to Customer/Vendor** tab to display the reply/sent transaction map.
4. In the **Target XML** column, right-click any element and select **Add DOCTYPE Reference** to display the Add DOCTYPE Reference dialog box.
5. In the **System ID Reference** field, complete the URL to the DTD or schema the XML document uses.
 - **http://y.com** – The URL path to the location that contains the DTD or schema.
 - **/*.dtd** – The DTD file name or schema name. An XML schema's file extension is .xsd.

For example, if the XML document uses the basic commerce XML (cXML) DTD, complete the URL to read **http://xml.cxml.org/schemas/cXML/<version>/cXML.dtd**, where *<version>* is the full cXML versions number, such as 1.2.014.

The declaration must be in the correct upper and lower case for the reference to work.

6. Click **OK** to add the DOCTYPE reference to the transaction map.

The first element in the **Target XML** column displays with a yellow icon, indicating that the XML document now contains the DOCTYPE element.
7. From the **File** menu, select **Save Transaction Map** to save the map.

To verify the DOCTYPE in the outgoing XML, preview the XML translation for transaction map's response XML document. To test the document post the XML to Eclipse. You must save the transaction prior to posting.

►To remove the document type declaration from an XML transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the **Document Sent to Customer/Vendor** tab to display the reply/sent transaction map.
4. In the **Target XML** column, right-click any element and select **Remove DOCTYPE Reference**.

The system removes the DOCTYPE element and the yellow icon no longer displays in the first element in the **Target XML** column.

5. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Creating XML Transaction Maps

Defining Logical Expressions for XML Data

Mapping XML and Eclipse Data Elements

Previewing XML Transaction Maps

Use the preview pane to preview an XML transaction map in a format different from the main window view. The preview pane displays the transaction map in column format, lists the source items mapped to the target items, and indicates if modifications have been assigned to XML data.

► To preview an XML transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Click the tab for the map you want to view.
4. From the **Options** menu, select **Show Preview Pane** to display the Mapping Preview pane.

Note: The Preview Pane displays by default when you open the mapping utility.

The preview displays the following information for mapped elements in the received document or sent document map:

Column	Description
Target	<p>The elements that display in the Target XML column of the tab you are currently viewing:</p> <ul style="list-style-type: none"> • For received document maps, displays elements in Eclipse for the transaction type. • For sent document maps, displays elements in the DTD file for the reply/sent document from your trading partner.
Source	<p>The elements that display in the Source XML column of the tab you are currently viewing:</p> <ul style="list-style-type: none"> • For received document maps, displays elements in the DTD file for the received document from your trading partner. • For reply/sent maps, displays elements in Eclipse for the transaction type. <p>Note: If a source element has several target elements mapped to it, the listing in the Source column of the Mapping Preview pane displays with a Multiple symbol. Double-click the symbol to view the target elements mapped to the source.</p>
Conversion Data	<p>Indicates if modifications have been specified for the element. For additional information, see <i>Modifying Incoming and Outgoing XML Data Overview</i>. Click the symbol in the Conversion Data column to display the XML Mapping Conversion Editor dialog box.</p> <p>If there is a single operation applied to the element, the type of operation displays, for example, ConvertDate. If multiple operations are assigned to the element, Multiple Operations displays.</p>

Note: Right-click a line item in the Mapping Preview pane and select **Remove this Mapping** to remove an element mapping from the transaction map. Right-click a line item and select **Modify this Mapping** to modify XML data.

See Also:

Creating XML Transaction Maps

Renaming XML Transaction Maps

Use the rename transaction map function to rename any transaction map.

▶ **To rename XML transaction maps:**

1. Access the Business Connect XML mapping utility.
2. Right-click the transaction in the Trading Partner Tree that you want to rename and select **Edit Transaction Map** to display the transaction map.
3. From the **Edit** menu, select **Edit Transaction Name**.
4. In the **Enter New Transaction Name** field, enter the new name and click **OK**.
5. The system updates the transaction name in the Trading Partner Tree and in the tab above the map.

See Also:

Copying XML Transaction Maps

Deleting XML Transaction Maps

Copying XML Transaction Maps

Use the transaction copy function to copy and reuse maps. For example, you might have multiple transaction types for a trading partner that can share the same transaction map. Or, you might have transactions that are similar in nature, and require only small changes to the map. You can also copy transactions that exist for one trading partner and paste them to a different trading partner.

► To copy XML transaction maps:

1. Access the Business Connect XML mapping utility.
2. Right-click the transaction in the Trading Partner Tree that you want to copy and select **Copy Transaction Map**.
3. Click **OK** in the dialog box to continue.
4. In the Trading Partner Tree, right-click the trading partner to which to copy the transaction and select **Paste Transaction Map**.
5. Enter the name for the new transaction.
6. Click **OK** to copy the transaction and add it to the transaction list under the trading partner in the Trading Partner Tree.

If you need to make changes to the copied map, right-click the new transaction and select **Edit Transaction Map**.

See Also:

Creating XML Transaction Maps

Defining XML Mapping Selection Criteria

Deleting XML Transactions

Deleting XML Transaction Maps

You might have transaction maps that you no longer use. Delete any unused transaction maps, as necessary. Deleting the last transaction map from a trading partner also removes the trading partner from the Trading Partner Tree.

Note: If you delete a transaction map for a trading partner with which you are still doing business, be sure a map exists for any transactions you still receive or send to that trading partner using XML.

► **To delete an XML transaction map:**

1. Access the Business Connect XML mapping utility.
2. Right-click the transaction map in the Trading Partner Tree that you want to delete and select **Delete Transaction Map**.
3. Click **Yes** to confirm the deletion.

See Also:

Creating XML Transaction Maps

Modifying Incoming and Outgoing XML Data Overview

Lines drawn from source to target elements in a transaction map represent a movement of data. At times, your trading partners might define data in a format different than how Eclipse can store it or the data in Eclipse might not be in a format your trading partner can understand. For example, you might have a trading partner that defines dates using the mm/dd/yy format, where Eclipse stores dates using the mm/dd/yyyy format; or you might have a trading partner that defines the unit of measure of each as "each," but Eclipse stores the same unit of measure as "ea".

To process XML transactions successfully, modify this type of data to match the required format. The system translates the data to the new format before saving it or sending it. You can manipulate each target element of a transaction for both the received document map and the sent document map using operations such as concatenation, adding, subtracting, and table-based conversions.

You can also add sources, such as literal statements to help identify data. For example, you might store e-mail addresses and other information in the **Internal Notes** field of an order. To better identify data stored and displayed in the field, you can concatenate a literal statement, such as **Email:** to the incoming data address.

Using a combination of sources and operations, you can create a stacked operation to modify any XML data, even if the element does not have source data mapped to it.

You can add the following sources to an expression:

Source	Description
Literal	Adds a text string to the XML data. For example, you can store e-mail addresses and other information in the Internal Notes field of an order. To better identify data stored and printed in the field, add literal statements to identify the data.
New Line	Inserts a line break in the XML data, for better readability.

You can add the following operations to an expression:

Operation	Description
Concatenate	Links or joins data together. For example, if you are mapping several pieces of data to the Internal Notes field of an order, link the data together to form a valid expression.
Substring	Copies one part of a string, and assigns it to a variable or element. For example, you can extract the first four digits of a credit card number to identify the bank. If the string of data contains delimiters, you can also use the extract field operation.
Extract fields	Extracts data from a substring of data separated by delimiters into numbered field names. For example, if you have a string of three values separated by a comma (the delimiter), and you need to save the middle value, use the extract field operation to indicate which field within the delimited string you want to save.

Operation	Description
Table-based conversions	Converts data from one format to another. For example, your trading partner might use the unit of measure of "each." Eclipse stores units of measure as two characters. Using a table-based conversion, you can tell the system to change the unit of measure "each" to "ea" for incoming data, and to change "ea" to "each" for outgoing data.
Decimal conversions	Tells the system how many decimal places to use in numeric values. Use decimal conversions if your trading partner sends dollar amounts or other numbers in a format that does not contain decimals in the actual data.
Date conversions	Converts dates into different formats. For example, your trading partner sends date information using the mm/dd/yy format, but Eclipse stores dates using the mm/dd/yyyy format. Define a date conversion operation to convert the format of the date element.
Mathematical operations	Adds, subtracts, multiplies, divides, or sums amounts within XML data.
Encode or decode Base64	Encodes or decodes Base64 data. Use this type of encoding to preserve special characters that you might receive or send using XML. Note: Base64 encoding does not encrypt data.
Extract current date and time	Extracts the date and time the transaction was received or sent. Use this operation to extract all or a portion of a date or time stamp.
Inversion	Divides a number into 1, making a reciprocal. For example, if you received the number 42, assigning this operation changes the number to 1/42.
Uppercasing and lowercasing letters	Uppercases or lowercases letters in a string of XML data.
XPath selection	Defines an if-then-else operation for XML data that identifies the element to use instead of another element if the correct conditions exist.
Repeating group selection	Defines an if-then-else operation for XML data that identifies one specific piece of data within an XML repeating element.
Logical If-Then-Else	Defines a basic if-then-else operation for XML data. For example, use this logical expression type to define a condition in which you would need to change data.

See Also:

Creating XML Transaction Maps

Building Modification Expressions for XML Data

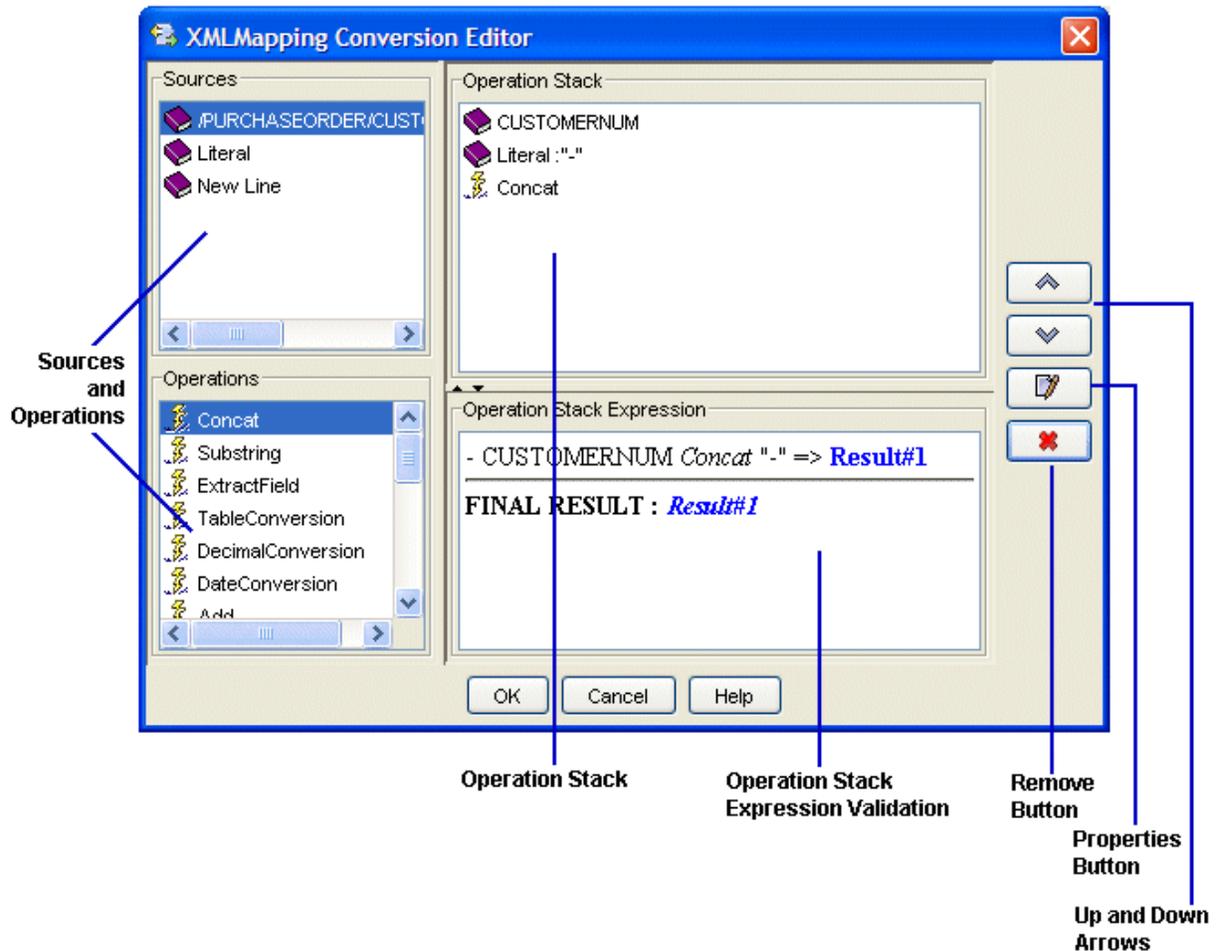
Building Modification Expressions for XML Data

Use the XML Mapping Conversion Editor dialog box to build expressions that alter XML data that you receive or send.

The XML Mapping Conversion Editor Dialog Box

The XML Mapping Conversion Editor dialog box, shown in the diagram below, consists of the following areas:

- **Sources and Operations** – Tags used to build an expression.
- **Operation Stack** – Sources and operations in the order they occur that comprise the expression.
- **Operation Stack Expression Validation** – Illustrates the expression built in the operation stack. If the expression is invalid, a message displays in this area.
- **Up and Down Arrow buttons** – Moves the selected source or operation in the operation stack.
- **Remove button** – Removes the selected source or operation from the operation stack.
- **Properties button** – Displays the properties dialog box for the selected operation in the operation stack, if properties are associated with the operation type.



Accessing the XML Mapping Conversion Edit Dialog Box

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

Building Expressions

All the available sources and operations to build an expression are listed the **Sources** field and the **Operations** field.

▶To add sources and operations to build expressions:

1. Do one of the following to add a source or operation to the operation stack:
 - In the **Sources** or **Operations** field, select the item to add. Click and drag it to the operation stack. You can drag the selected source or operation to anywhere in the stack.
 - In the **Sources** or **Operations** field, double-click the item to add. The system places it at the bottom of the operation stack.
2. If the source or operation you added requires additional properties, the associated properties dialog box displays when you add the source or operation to the operation stack. Enter those properties and click **OK**.

For additional information about entering additional properties, see the instructions for each source and operation type.

Note: If you need to change the properties of a source or operation, right-click the item in the operation stack and select **Edit Additional Data**.

3. Do one of the following to move the source or operation in the operation stack:
 - Select the item to move and use the **Up** and **Down Arrow** buttons.
 - Select the item to move and drag it to the correct location.
 - Right-click the item you want to move and select **Move Up** or **Move Down** to move the item one place up or down.
4. After completing the modification expression, click **OK** to return to the mapping utility main window.
5. From the **File** menu, select **Save Transaction Map** to save the map and your modification expressions.

Removing Sources and Operations from Expressions

If you add a source or operation to an expression in error, you can remove the item from the operation stack.

▶To remove a source or operation from an expression:

1. In the **Operation Stack** field, select the source or operation to delete.
2. Right-click the item and select **Remove**.

The system removes the item from the operation stack. View the expression validation message at the bottom of the dialog box to verify the expression is still valid.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Adding Literal Statements to XML Data

Use literal statements to add additional text to XML data. For example, you might use the **Internal Notes** field or the **Shipping Instructions** field of an order to store and print data about a customer or the order itself. If you store more than one piece of data in this field, the data can become hard to read. Use literal statements to tag each piece of data for easier identification later.

►To add literal statements to XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

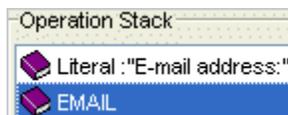
If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Sources** field, double-click **Literal** to add it to the **Operation Stack** field.

The Literal Value dialog box displays.

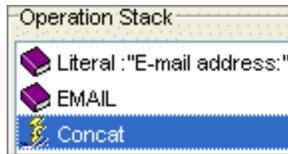
5. In the **Literal Value** field, type the text to insert as the literal statement.
6. Click **OK** to return to the XML Mapping Conversion Editor dialog box. The literal tag now displays in the **Operation Stack** field.
7. If necessary, move the tag to the correct place in the operation stack.

If you are adding a literal string to identify data, place that string before the element name in the operation stack. The placement in the stack determines how the operation functions.



Using the example above, if you are mapping the Email element to the **Internal Notes** field for an order, the literal statement "Email address:" displays before the data in the Email element.

8. When adding literal statements to data, the system does not consider the operation valid until you concatenate the data being received or sent. Use the concatenate operation to form a valid expression.



The above operation displays the e-mail address as **Email: user@address.com**.

9. Add additional sources and other operations, as necessary.
10. Click **OK** to save the expression and return to the mapping utility main window.
11. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Concatenating XML Data

Inserting Lines into XML Data

Use new lines to insert line breaks into XML data. Inserting line breaks can aid in the readability of a block of text in a field. For example, you might save multiple pieces of data to the **Internal Notes** or **Shipping Notes** fields of an order about the customer or the order itself. Use line breaks to separate each piece of data so it appears on the order on its own line.

►To insert lines into XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Sources** field, double-click **New Line** to add it to the **Operation Stack** field.
5. If necessary, move the new line tag to the correct place in the operation stack.

For example, if you are adding multiple pieces of data to a field, you can insert a line break between the data so it is easier to read. You can add as many new lines as you need.



6. When adding new lines after data, the system does not consider the expression valid until you concatenate the new line to the data. Use the concatenate operation to form a valid expression.



The output of the above expression is as follows:

Email address: user@address.com

Terms: Payment Code

7. Add additional sources and operations, as necessary.
8. Click **OK** to return to the mapping utility main window.
9. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Concatenating XML Data

Concatenating XML Data

Use the concatenate operation to link or join data together. For example, a trading partner might send you address information in several different elements. You might decide to map separate elements that contain the street number, city, state, and zip code information to the ship-to address of any order. You can concatenate the data so it all lives on one line. You can also insert new lines so the data is easier to read.

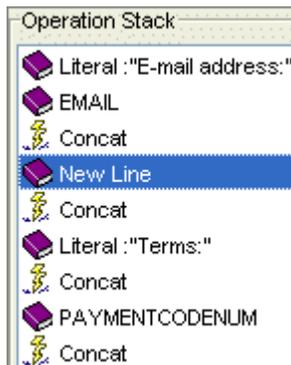
►To concatenate XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **Concat** to add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack.

Place the concatenation operation line after the data, operations, or sources to join together.



In the example above, the information joins together as follows:

Email address: user@address.com.

Terms: Payment Code

6. Add additional operations or sources, as necessary.
7. Click **OK** to return to the mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

Copying Substrings of XML Data

Use the substring operation to copy part of a string from a received XML document and assign it to a variable or an element in Eclipse, or to an XML element for a sent document. For example, you can copy the first four digits of a credit card number to identify the bank associated with the card. Using the substring operation, you can specify how many characters and the starting character position to copy. For example, if you know that a string always contains 16 characters, and to extract the fourth, fifth, and sixth characters, use the substring operation to indicate the fourth character as the starting character and that you want to copy three characters.

If you receive data in a string that is not always a consistent length, use the extract field operation to indicate the delimiter and the field within the string to copy.

► To copy a substring of XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **Substring** to add it to the **Operation Stack** field.

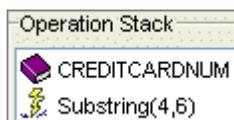
The Sub-String Parameters dialog box displays.

5. In the **Start Index** field, enter the first character position of the string you want to copy.
6. In the **Number of Characters** field, enter the number of characters to copy.

For example, if you want to copy data from characters in the fourth, fifth, and sixth positions, enter **4** in the **Star Index** field and **3** in the **Number Of Bytes** field.

7. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
8. If necessary, move the operation to the correct location in the operation stack.

The substring operation line falls after the data that contains the substring from which you want to copy data:



9. Add additional sources and operations, as necessary.

10. Click **OK** to return to the mapping utility main window.
11. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview
Extracting Fields from Delimited XML Strings

Extracting Fields from Delimited XML Strings

Use the extract field operation to extract and copy part of a delimited string and assign it to an element in the database, or to an XML element for a document you are sending. For example, your trading partner sends you a string of data in an XML element that contains three fields separated by delimiters. The second field within that string might be a necessary piece of data to complete a transaction, such as a ship-to ID for an order. Using the extract field operation, you can map the element and tell the system to save only the second field in that string.

Use the extract field operation to save pieces of data from a string that might not always be the same number of characters long. Use the substring operation to extract data from a string that is consistently the same length by indicating which character positions to extract.

►To extract fields from delimited XML strings:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **ExtractField** to add it to the **Operation Stack** field.

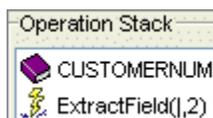
The Field Extraction dialog box displays.

5. In the **Field Delimiter** field, enter the character that is the delimiter in the string, for example, a comma or a pipe (, or |).
6. In the **Occurrence** field, enter the field to extract.

For example, you receive a delimited string that reads 123|4567|89 the string contains three fields, each separated by the | symbol. To copy the values in the second field, enter **2** in the **Occurrence** field.

7. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
8. If necessary, move the operation to the correct place in the operation stack.

Typically, the extract field operation falls after the data you want to extract:



9. Add additional sources and operations, as necessary.

10. Click **OK** to return to the mapping utility main window.
11. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Copying Substrings of XML Data

Performing Table-Based Conversions on XML Data

Use the table conversion operation to change the format of XML data into a format that the receiving system can understand. Use table-based conversions for data such as the following:

- Ship vias
- Units of measure

For example, your trading partner uses the unit of measure "each." Eclipse stores units of measure as two characters. Using a table-based conversion, you can tell the system to change the unit of measure "each" to "ea" for incoming data, and to change "ea" to "each" for outgoing data. For a designated element, you can define multiple unit of measure conversions in the conversion table.

►To perform table-based conversion on XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **TableConversion** to add it to the **Operation Stack** field.

The Table Conversion dialog box displays.

5. In the **Convert From** field, type the source data that you want to convert.
6. In the **Convert To** field, type the format to which you want to convert the source.

For example, if you are converting units of measure from your trading partner, enter a unit of measure in the format they use, such as "each" or "box," in the **Convert From** field. In the **Convert To** field, enter the two-character format of the corresponding unit of measure stored in Eclipse, such as "ea" and "bx."

Note: The information you enter for table-based conversions is case sensitive.

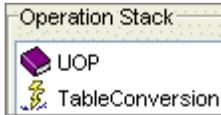
The system looks for exactly what you type in the **Convert From** field. For example, if you enter "EACH" in the **Convert From** field, and the data in the XML document is "each" the system does not convert the data.

7. Repeat steps 5 and 6 to enter additional format conversions for the element.

Note: Ensure that there are no blank lines in the table as you are adding conversions.

8. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
9. If necessary, move the operation to the correct place in the operation stack.

Typically, the table conversion operation line falls after the element that contains the data you want to convert:



10. Add additional sources or operations, as necessary.
11. Click **OK** to return to the mapping utility main window.
12. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Converting Decimal Formats in XML Data

Some document type definition (DTD) files indicate that quantities or other numbers are sent without decimal places, and that a decimal place indicator is sent in a different element. For example, a trading partner's XML document contains a **Quantity** element that contains a dollar quantity, such as 50000. A nested element, **NumOfDecimals** within the **Quantity** element indicates that there are two decimal places in any number sent in the **Quantity** element. Therefore, the quantity 50000 is actually 500.00.

Use the decimal conversion operation to convert the decimal places in this circumstance.

Note: Map both the value and the decimal indicator to the same target to convert the decimal places using the decimal conversion operation.

►To convert decimal formats in XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you selected has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.
4. From the **Operations** field, double-click **DecimalConversion** to add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack. Decimal conversions fall after the element that indicates the decimal conversion value.
6. Add additional sources and operations, as necessary.
7. Click **OK** to return to the, mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Converting Date Formats in XML Data

Use the date conversion operation to convert calendar dates into different formats. For example, your trading partners might send date information using the mm/dd/yy format, but Eclipse stores dates using the mm/dd/yyyy format. Define a date conversion operation to convert the format the format of an element that contains date information.

►To convert date formats in XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **DateConversion** to add it to the **Operation Stack** field.

The Define Format Conversions dialog box displays.

5. In the **Incoming Date Format** field, enter the source date format. For an outgoing transaction, this is the format from Eclipse. For received transaction, this is the format from your trading partner.

Use the following notations when entering date formats:

Date Element	Full Form	Short Form
Year	yyyy	yy
Month	MMM	MM or M
Day of week	EEEE	EE
Day of month	dd	d
Hour (1-12)	hh	h
Hour (0-23)	HH	H
Hour (0-11)	KK	K
Hour (1-24)	kk	k
Minute	mm	
Second	ss	
Millisecond	SSS	
AM/PM	a	

Date Element	Full Form	Short Form
Time zone	zzzz	zz
Day of week in month (for example, the third Thursday)	F	
Day in year	DDD	D
Week in year	ww	
Era (for example, BC or AD)	G	

Note: Date format notations are case sensitive. For example, to convert an incoming date from mm/dd/yy to contain a four digit year, enter MM/dd/yyyy for the outgoing date format.

6. In the **Outgoing Date Format** field, enter the format to which to save the date in all lowercase letters.

For a sent transaction, this is the format that your trading partner requires. For a received transaction, this is the format Eclipse requires.

7. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
8. If necessary, move the operation to the correct place in the operation stack.

Typically, the date conversion operations fall after the data you need to convert:



9. Add additional sources and operations, as necessary.
10. Click **OK** to return the mapping utility main window.
11. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Performing Mathematical Operations on XML Data

Use the mathematical operations—add, subtract, multiply, divide, and sum— to apply common math functions to XML data. For example, if an incoming XML document contains an extended price of \$42 for 10 of an item, you can use the divide operation to divide the extended price by the order quantity to determine the unit price.

Use the Summation function to total quantities in a repeating group. For example, if you have the following XML, you can use the Summation function to total the amounts in each repeating Price element.

```
<Item>
    <Price>10.55</Price>
    <Price>10.49</Price>
    <Price>11.50</Price>
</Item>
```

► To perform mathematical operations on XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.
If the element you selected has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.
4. From the **Operations** field, double-click **Add**, **Subtract**, **Multiply**, **Divide**, or **Summation** to add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack.
6. Click **OK** to return to the mapping utility main window.
7. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Encoding and Decoding XML Data to and from Base64

Use the Base64 operation to encode or decode XML data. For example, your trading partner uses Base64 to encode special characters that you need to preserve. To successfully save that information to Eclipse, use the Base64 decode operation to translate the data.

Note: Encoding data using Base64 does not encrypt the data. Use secure HTTP (HTTPS) for transmitting sensitive information.

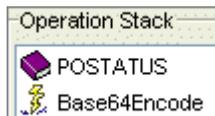
►To encode data to Base64:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you selected has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **Base64Encode** add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack.

Typically, the Base64 encode operation falls after the data you want to encode:



6. Add additional sources and operations, as necessary.
7. Click **OK** to return to the mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

►To decode data from Base 64:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you selected has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **B64Decode** to add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack.

Typically, the Base64 decode operation falls after the data you want to decode:



6. Add additional sources and operations, as necessary.
7. Click **OK** to return to the mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Extracting the Current Date and Time from XML Data

Use the extract current date and time operation to extract and copy the date and time an XML document was sent or received. Use this operation to extract any of the following for an element that contains information about the date and time an order was sent or received:

- Day, month, or year
- Whole date
- Hour, minute, or second
- Time (including hours, minutes, and seconds)
- Time zone
- Whole date and time

► To extract the current date and time from XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

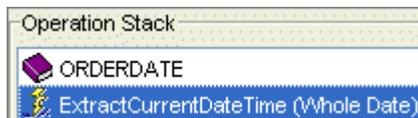
If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **ExtractCurrentDateTime** to add it to the **Operation Stack** field.

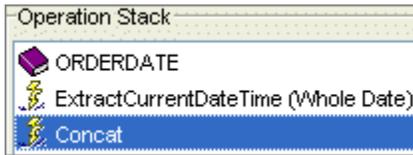
The Current Date Time Extraction dialog box displays.

5. In the **Extract Current** field, select the portion of the date/time stamp to extract, such as month, or hour.
6. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
7. If necessary, move the operation to the correct place in the operation stack.

Typically, the extract date and time operation falls after the data you want to extract:



- When extracting a date or time, the system does not consider the expression valid until you concatenate the data. Use the concatenate operation to form a valid expression.



- Add additional sources and operations, as necessary.
- Click **OK** to return to the mapping utility main window.
- From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Concatenating XML Data

Inverting Numbers in XML Data

Use the invert operation to create a reciprocal of a number. For example, if you received the number 42 in an element, assigning this operation changes the number to 1/42.

►To invert number in XML data:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **Invert** to add it to the **Operation Stack** field.
5. If necessary, move the operation to the correct place in the operation stack.

Typically, the invert operation falls after the data you want to invert.



6. Add additional sources and operations, as necessary.
7. Click **OK** to return to the mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Uppercasing and Lowercasing Letters in XML Data

Use the uppercase and lowercase operations to change XML data to all uppercase letters or all lowercase letters.

► **To uppercase or lowercase letters in XML data:**

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

If the element you select has a source element mapped to it, the source element displays in the **Operation Stack** field. If the element is not mapped, the **Operation Stack** field is blank.

4. From the **Operations** field, double-click **UpperCase** or **LowerCase** to add it to the **Operation Stack** field.
5. If necessary, move the operation to after the element you want to upper case or lower case in the operation stack.



6. Add additional sources and operations, as necessary.
7. Click **OK** to return to the mapping utility main window.
8. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Defining Logical Expressions for XML Data

Use logical expressions to create if-then-else statements to modify XML data. A logical expression is useful if you need to set conditions to determine which mapped element to use, save a portion of data in a repeating group, or define a basic expression to save data for an element such as a flag.

Use any of the following logical expressions to modify XML data:

- Repeating group selection
- XPath selection
- Basic if-then-else expression

Selecting an Element From a Repeating Group

Use this logical expression type to create an if-then-else statement to identify one specific piece of data in a repeating group. For example, your trading partner sends you an XML document that contains a repeating element called Partner. Each repetition of the Partner element defines a different type of data, as shown in the following example:

```
<Partner>
  <PartnerType> Includes bill-to data.
  <PartnerID>
<Partner>
  <PartnerType> Includes ship-to data.
  <PartnerID>
<Partner>
  <PartnerType> Includes buyer data.
  <PartnerID>
```

When you create the transaction map for this repeating group, the Partner element and its children occur only once in the document type definition (DTD) file from your trading partner. If you need only the ship-to data from the second occurrence of the repeating group, you can use an if-then-else operation to identify the data you need to map.

▶ To create an if-then-else statement for a repeating group:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

Note: To define a logical expression, the element you select must be a repeating group and must have a mapping defined.

4. From the **Operations** field, double-click **RepeatingGroupSelection** to add it to the operation stack.

The Repeating Group Selection dialog box displays.

5. Define the logical expression by selecting the operator, such as EQUAL, and defining the value.

To create a logical expression for the example above, select **Equal** as the operator and enter **Ship To** as the value.

6. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
7. If necessary, move the operation to the correct place in the operation stack.

To create a valid logical expression, the logical operation falls below the item you want to modify in the operation stack.

8. Add additional sources and operations, as necessary.
9. Click **OK** to return to the mapping utility main window.
10. From the **File** menu, select **Save Transaction Map** to save the map.

XPath Selection

Use this logical expression type to create an if-then-else statement to use a mapping from another element if the conditions you state are met.

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.
4. From the **Operations** field, double-click **XPathSelection** to add it to the operation stack.

The XPath Selection dialog box displays.

5. Build the expression by selecting the data element you want to use and the operator and value.
6. Click **OK** to return to the XML Mapping Conversion Editor dialog box.
7. If necessary, move the operation to the correct place in the operation stack.

To create a valid logical expression, the logical operation falls below the item you want to modify in the operation stack.

8. Add additional sources and operations, as necessary.

9. Click **OK** to return to the mapping utility main window.
10. From the **File** menu, select **Save Transaction Map** to save the map.

Basic If-Then-Else Operation

Use this logical expression type to create a basic if-then-else statement to modify XML data. For example, your trading partner might send XML data in an element that is used as a flag, such as Success or Fail. The flags might not correspond exactly to the data format you use in Eclipse to indicate the same flag. You might need to store the Success flag as a 1 value in your system. Use a basic logical expression to tell the system that if it reads Success in the data element, to store a 1 in the mapped Eclipse element.

►To create a simple if-then-else operation:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. In the **Target XML** column of either the received map or the reply/sent map, right-click the element you want to modify and select **Modify Mapping** to display the XML Mapping Conversion Editor dialog box.

Note: To define a logical expression, the element must have a mapping defined.

4. From the **Operations** field, double-click **Logical If-Then-Else** to add it to the operation stack.

The If-Then-Else Logical dialog box displays.

5. Build the expression by entering the following information:

Expression Section	Description
If operand value	Select the operator and the value for the expression.
Then use this value	Enter the value to use if the data meets the criteria stated in the If statement.
Otherwise use this value	Enter the value to use if the data does not meet the criteria stated in the If statement.

To create a logical expression for the example above, select **Equal** as the operator and enter **Success** as the value. In the Then value, enter **1**. This is the value the system stores in the mapped element if it reads "Success" in the source data element. In the Otherwise value, enter **2**. This is the value the system stores in the mapped element if it does not read "Success" in the source data element.

The XQuery Preview area displays the expression as it appears in the XQuery code for the transaction map.

6. Click **OK** to return to the XML Mapping Conversion Editor dialog box.

7. If necessary, move the operation to the correct place in the operation stack.
To create a valid logical expression, the logical operation falls below the item you want to modify in the operation stack.
8. Add additional sources and operations, as necessary.
9. Click **OK** to return to the mapping utility main window.
10. From the **File** menu, select **Save Transaction Map** to save the map.

See Also:

Modifying Incoming and Outgoing XML Data Overview

Previewing the XML Translation for Transaction Maps

As you create your transaction maps, the system creates the XQuery code that it uses to translate XML data. You can view the translation code using the Show XQuery functionality. Viewing the code is useful for troubleshooting your transaction maps. If necessary, you can copy and paste the compiled code to send it to Eclipse Technical Support.

► To preview the XML translation for a transaction map:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. From the **Options** menu, select **Show XQuery** to display the XQuery Viewer dialog box.
4. Click the tab for the preview information you want to view:

Tab	Description
Request XQuery	The XQuery code for the received document map.
Response XQuery	The XQuery code for the sent document map.
Requested Data TxXML	The translation XML.
Request XML Document	The XML generated for the received document map.
Response XML Document	The XML generated for the sent document map.

If you had data element selected in the transaction, the system tries to find the XQuery line that corresponds to the selected element. If it finds one, the system highlights the text in the XQuery translation. If it does not find a corresponding line, the system displays the first line in the translation for the transaction.

Note: The XQuery Viewer dialog box defaults to the XQuery tab related to the tab selected on the main Business Connect XML window. If the Mapping Selection Criteria tab is selected on the main window, the Request XQuery tab displays in the XQuery Viewer dialog box.

5. Click **Close** to return to the main window.

► To search the XQuery Code, TxXML translation, or the XML documents:

1. Open the XQuery Viewer dialog box.
2. Select the tab for the information you want to view.
3. Click **Search** and enter the text for which you want to search.
4. Click **OK** to search for the first occurrence of the text.
5. Click **Search Next** to find the next occurrence of the text.

Running Test Compilations of XML Transaction Maps

As you create your transaction maps, the system creates the XQuery code that it uses to translate XML. The system needs to compile the code before being able to receive or send XML documents. You can set the system to compile the code as you map elements, but you can also run a test compilation at any time.

▶ **To run a test complication of an XML transaction map:**

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. Select the tab to display the side of the transaction for which you want to compile code.
4. From the **Options** menu, select **Test XQuery Compilation** to compile the code.
A message displays indicating whether the code compiled successfully.
5. Click **OK** to return to the main window.

See Also:

Previewing the XML Translation for Transaction Maps

Posting Test XML

Posting Test XML Transactions to Eclipse

Use the XML Poster to post a test XML document to Eclipse, before receiving live transactions from a customer or a vendor. Posting test XML sends a sample XML document to the application server and on to Eclipse to verify that it processes correctly. Posting test XML documents allows you to verify that the document flows through the system without encountering any errors, and also allows you to verify that the information you mapped in the transaction is correctly formatted within fields in Eclipse, such as price data or dates on an order.

Within the XML Poster, you can search the test request data and replace portions with real data. For example, your test XML document from a trading partner might contain artificial part numbers that will not correctly process through the system. Use the **Find** function to search for that element in the test XML document within the poster and replace the test data with real part numbers.

► To post test XML transactions to Eclipse:

1. Copy data from a test XML document to the Windows clipboard.
2. Access the Business Connect XML mapping utility.
3. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
4. From the **Options** menu, select **Post XML** to display the XML Poster dialog box.

The **Post To** field, displays the path to your application server in the following format:

`http://<Your Application Server Name>/ecom/EcommerceXML`

5. In the **XML Request** field, paste the contents of the test XML document.
6. From the **File** menu, select **Post XML** to send the XML document through the system.

The results of the transaction processing display in the **XML Response** field. The results display a status that indicates the system received the document, if there is no sent document map defined for the transaction you are testing. If there is a sent document map defined, the **XML Response** field displays the response document it would send based on the map defined.

7. From the **File** menu, select **Close** to return to the mapping utility main window.

► To search the XML request data:

1. In the XML Poster dialog box, select **Options > Find** to display the Input dialog box.
2. In the **Search For** field, enter the text you want to find.
3. Click **OK** to start the search.
4. To search for the next occurrence of the text, press **F3** or select **Find Next** from the **Options** menu.

Viewing the Business Connect XML Mapping Utility Change Log

As you make edits to transaction maps, the system records your actions in the mapping utility's change log. Use the change log to help troubleshoot problems with transaction maps, or to view the activity for a given map.

► To view the change log for transactions:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. From the **File** menu, select **View Change Log** to display the Maintenance Log Viewer dialog box for the transaction.

The dialog box displays the following information for the transaction that you selected:

Field	Description
User	The user who made the change.
Date	The date the transaction was changed.
Time	The time the transaction was changed.
Description	The details about the action taken on the transaction.

4. Click **Close** to return to the mapping utility main window.

► To view the change log for deleted transactions:

1. Access the Business Connect XML mapping utility.
2. Right-click a transaction in the Trading Partner Tree and select **Edit Transaction Map** to display the transaction map.
3. From the **File** menu, select **View Change Log** to display the Maintenance Log Viewer dialog box.
4. Click the **Show Deleted Transactions Maps Only** check box. The system lists all the deleted transaction maps, including the following information:

Field	Description
User	The user who deleted the transaction.
Date	The date the transaction was deleted.
Time	The time the transaction was deleted.
Description	The details about the deleted transaction, such as the transaction name and the trading partner to whom the transaction belonged.

5. Click **Close** to return to the mapping utility main window.

Viewing the Business Connect XML Mapping Utility Error Log

As you create, change, and test transaction maps, the system records any errors it encounters when compiling a map and creating the XQuery code. If you encounter problems with a map or the mapping utility, you can copy the data recorded in the error log and send it to Eclipse to help identify the cause of the error.

Note: The error log available in the mapping utility contains only errors generated by activity within the utility itself. Additional logging information is stored on the application server about server activity and possible server errors.

►To view the XML mapping utility error log:

1. Access the Business Connect XML mapping utility.
2. From the **File** menu, select **Show Error Log** to display the Error Log dialog box.

Note: If the **File** menu does not contain the **Show Error Log** option, contact Eclipse Technical support.

3. Click **Close** to close the error log and return the mapping utility main window.

►To clear the XML mapping utility error log window:

1. Access the Business Connect XML mapping utility.
2. From the **File** menu, select **Show Error Log** to display the Error Log dialog box.

Note: If the **File** menu does not contain the **Show Error Log** option, contact Eclipse Technical support.

3. Click **Clear Log** to clear all the contents from the log dialog box.

The system clears the contents from the on-screen display; however, the log file remains intact for later access if necessary. See the entire log file in the eclipseinc.log file in the Business Connect XML mapping utility installation directory.

See Also:

Business Connect XML Mapping Utility Overview

Application Server Logging and Error Notification Overview

Business Connect XML Mapping Utility Main Window Aspects

As you select document type definition (DTD) files and identify what transaction types comprise a trading partner transaction, the system populates the Business Connect XML mapping utility with data from your selections. This topic illustrates how each field in the New Mapping Transaction dialog box relates to the data you use to create transaction maps within the mapping utility.

See the following sections for information about what data displays in each:

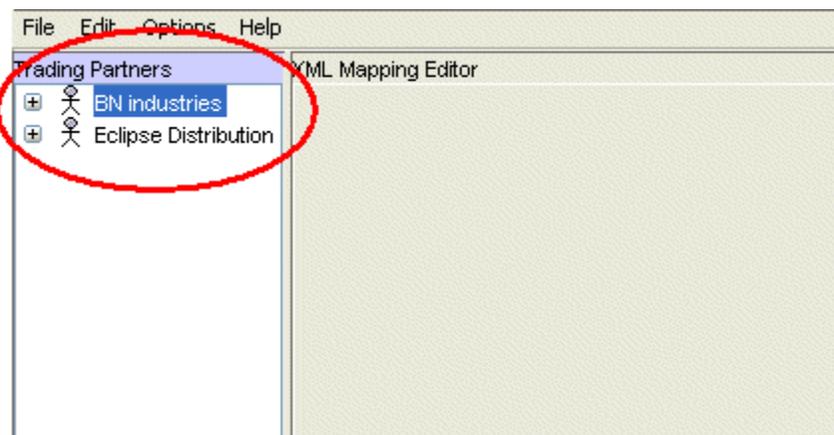
- Trading Partners Tree
- Tabs for Customer Transactions
- Tabs for Vendor Transactions
- Mapping Selection Criteria Tab for Customer and Vendor Transactions

For information about symbols and useful tips for using the mapping utility most efficiently, see the following topics:

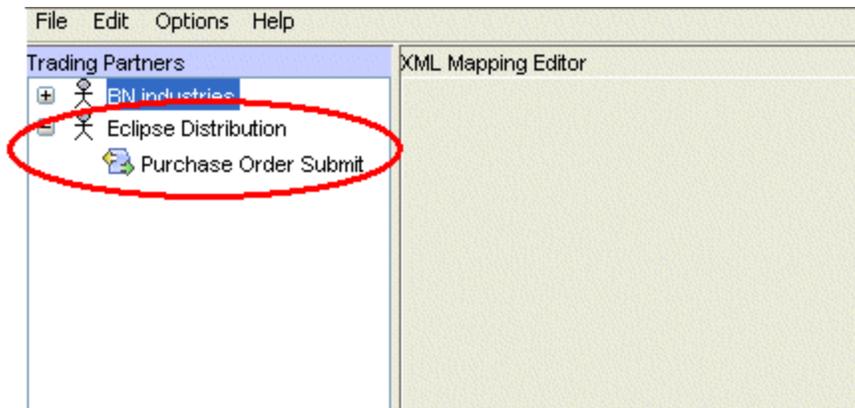
- Viewing and Saving Open XML Transaction Maps
- Business Connect XML Mapping Utility Symbols

Trading Partners Tree

When you add a new trading partner, the system adds the trading partner name to the Trading Partners Tree:



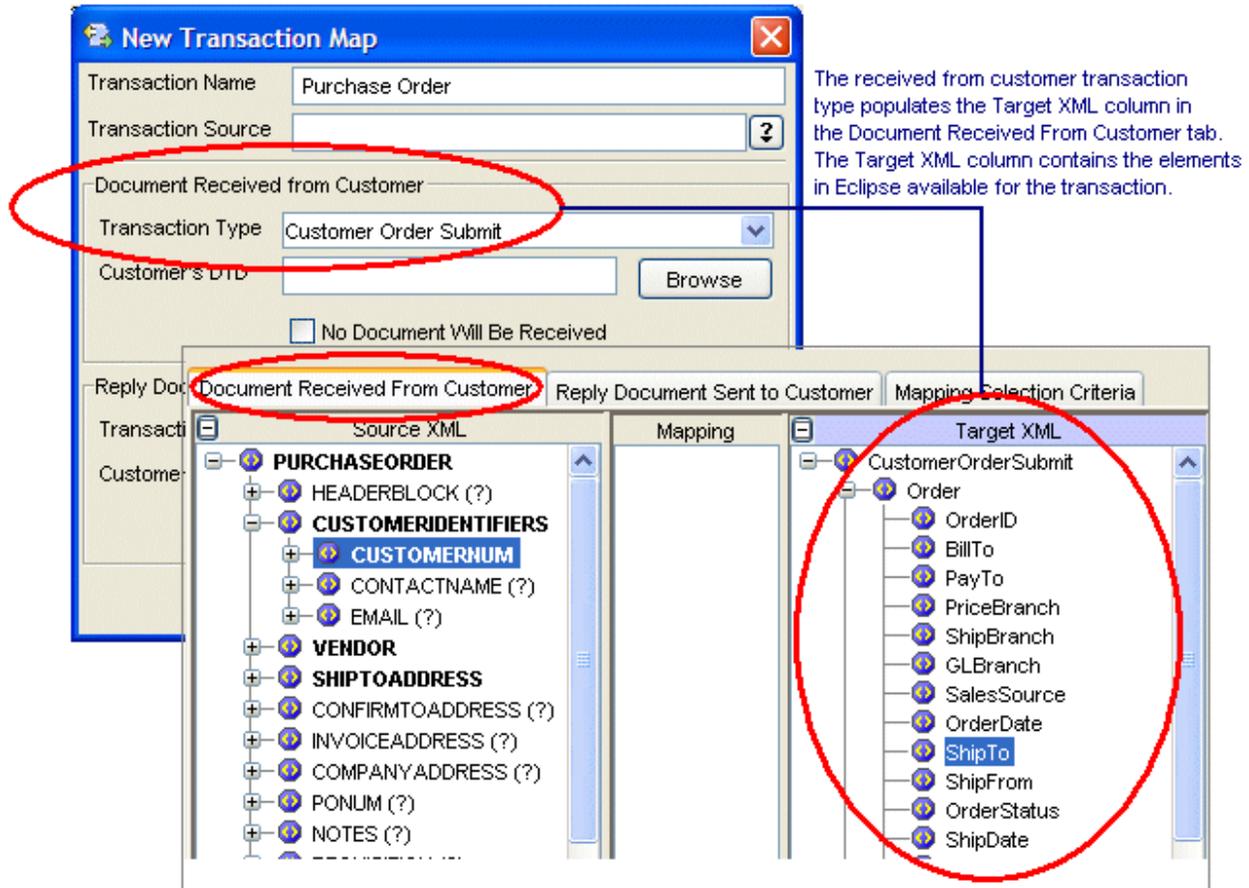
As you define transaction maps for each trading partner, the transactions display nested under the partner to which they belong:



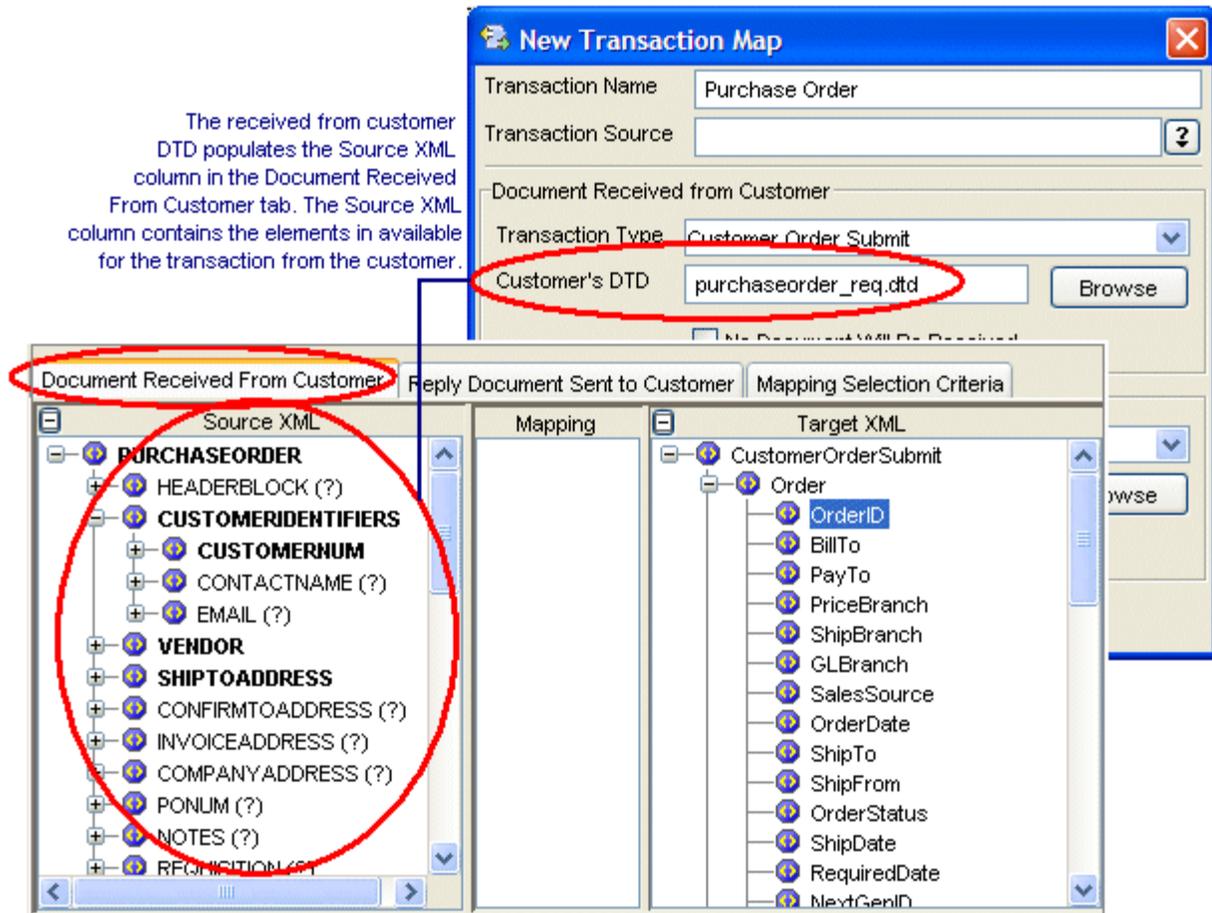
Tabs for Customer Transactions

The **Document Received from Customer** tab displays the elements in Eclipse for inbound documents that you receive from your customer. When defining a customer transaction map, the transaction type you select in the **Document Received from Customer** area of the New Mapping Transaction dialog box populates the **Target XML** column in the **Document Received from Customer** tab. The target XML for this transaction type contains the data elements in Eclipse that are available for the transaction. The elements available are defined in XML database schemas.

Note: If the customer transaction does not contain a received document, such as an invoice, and you select the **No Document Will Be Received** check box in the **Document Received from Customer** area of the New Transaction Map dialog box, the **Document Received From Customer** tab is disabled.

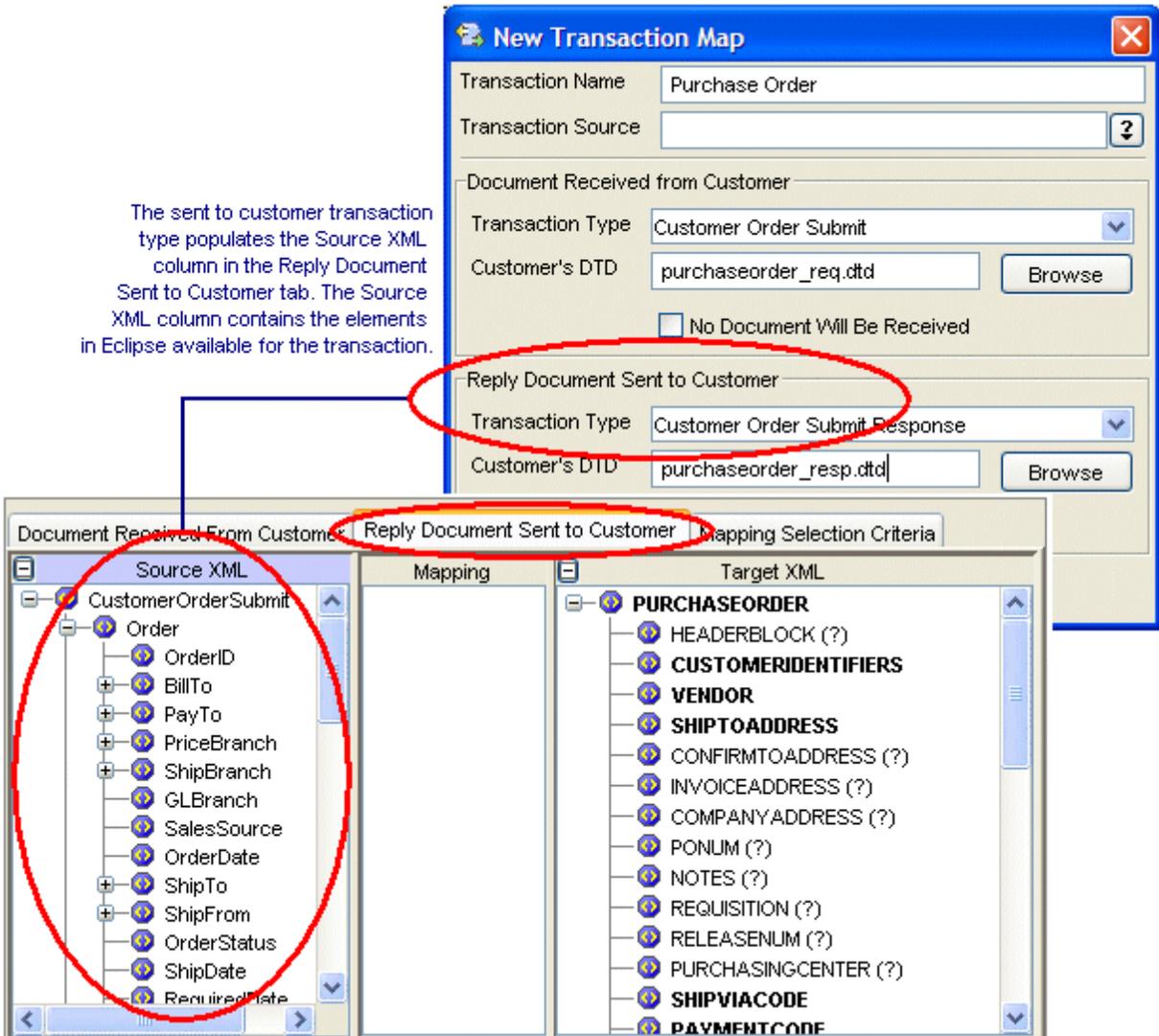


The DTD you select in the **Document Received from Customer** area of the New Transaction Map dialog box populates the **Source XML** column in the **Document Received From Customer** tab. The source XML for this transaction type contains the data elements defined in the DTD from your trading partner. The data elements display in the order they are defined in the DTD.

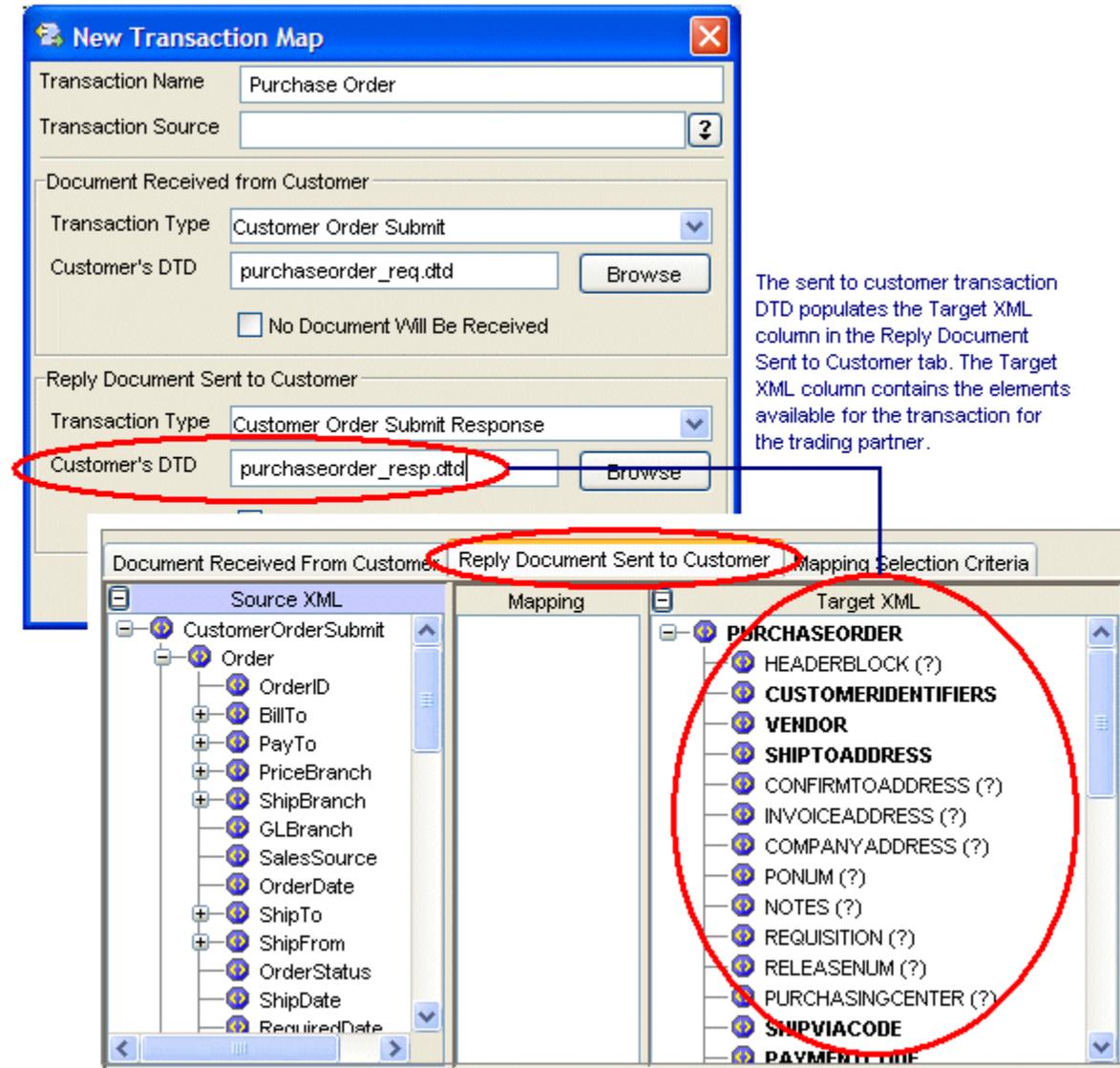


The **Reply Document Sent to Customer** tab displays the data elements in Eclipse for documents you send to your customer. When defining a transaction map, the transaction type you select in the **Reply Document Sent to Customer** area of the New Transaction Map dialog box populates the **Source XML** column in the **Reply Document Sent to Customer** tab. The source XML for a sent document contains the data elements in Eclipse available for the transaction. The elements available are defined in XML database schemas.

Note: If the customer transaction does not contain a sent document and you select the **No Document Will Be Received** check box in the **Reply Document Sent to Customer** area of the New Transaction Map dialog box, the **Reply Document Sent to Customer** tab is disabled.



The DTD you select in the **Reply Document Sent to Customer** area of the New Transaction Map dialog box populates the **Target XML** column in the **Reply Document Sent to Customer** tab. The target XML for this transaction type contains the data elements defined in the DTD file from your trading partner. The data elements display in the order they are defined in the DTD.

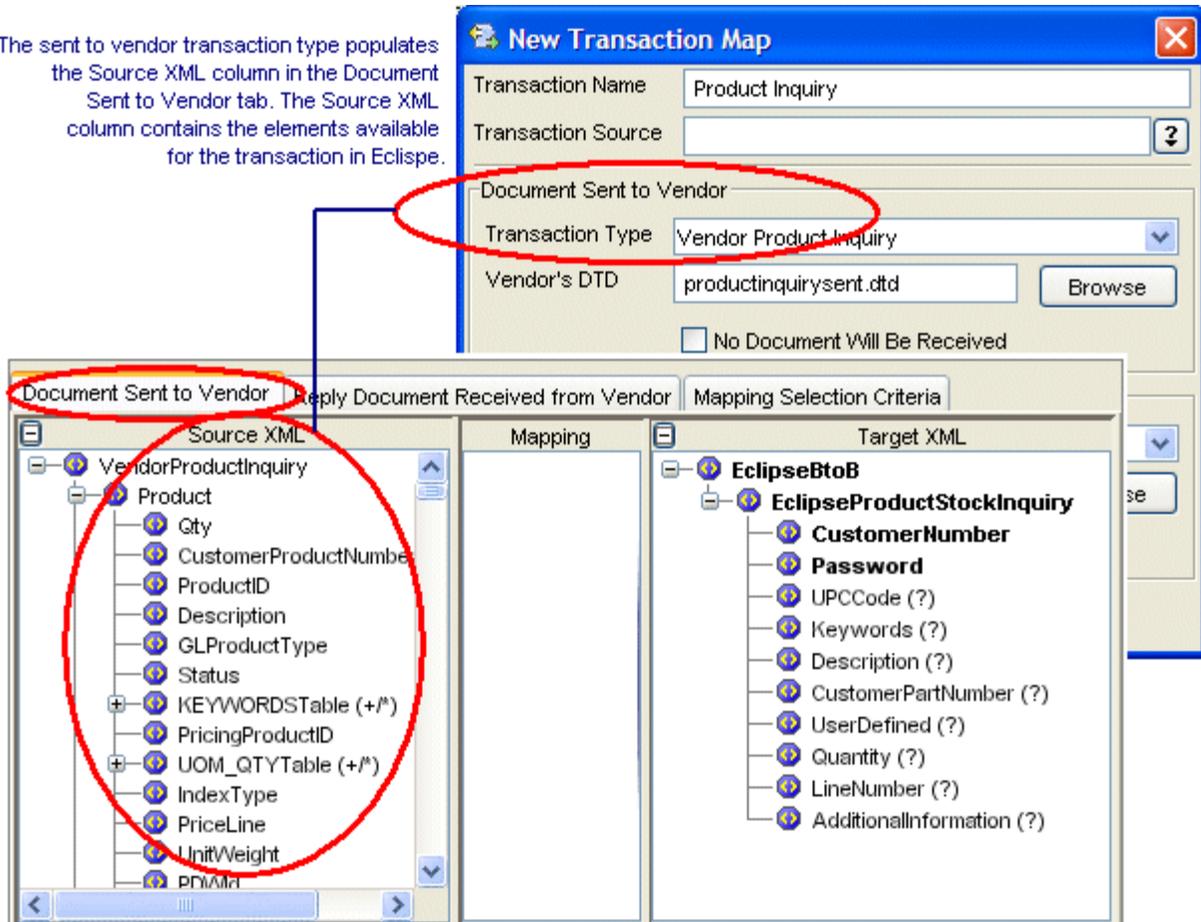


Tabs for Vendor Transactions

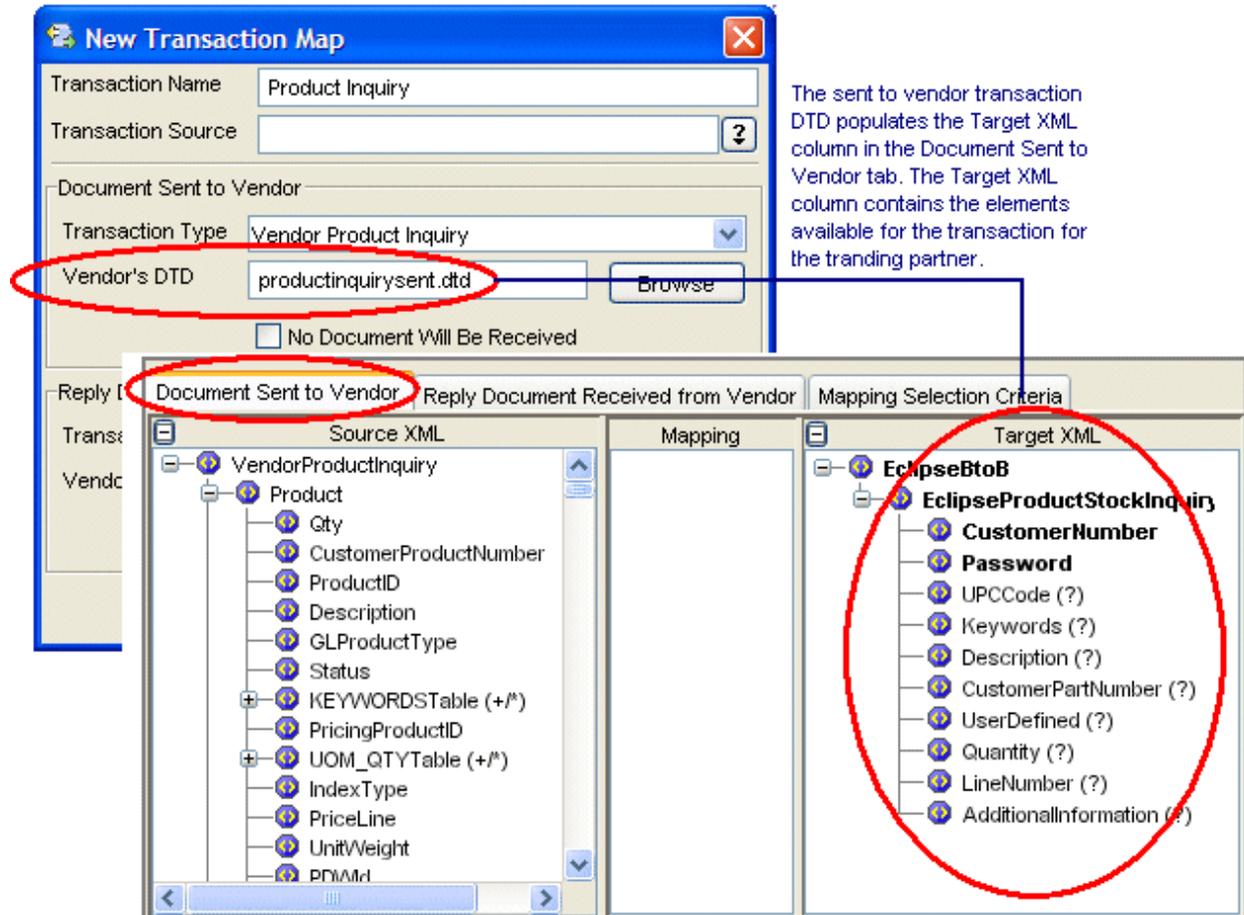
The **Document Sent to Vendor** tab displays the elements in Eclipse for documents you send to your vendor. When defining a transaction map, the transaction type you select in the **Document Sent to Vendor** area of the New Transaction Map dialog box populates the **Source XML** column in the **Document Sent to Vendor** tab. The source XML for a sent document contains the elements in Eclipse available for the transaction. The elements available are defined in XML database schemas.

Note: If the vendor transaction does not contain a sent document and you select the **No Document Will be Received** check box in the **Document Sent to Vendor** area of the New Transaction Map dialog box, the **Document Sent to Vendor** tab is disabled.

The sent to vendor transaction type populates the Source XML column in the Document Sent to Vendor tab. The Source XML column contains the elements available for the transaction in Eclipse.

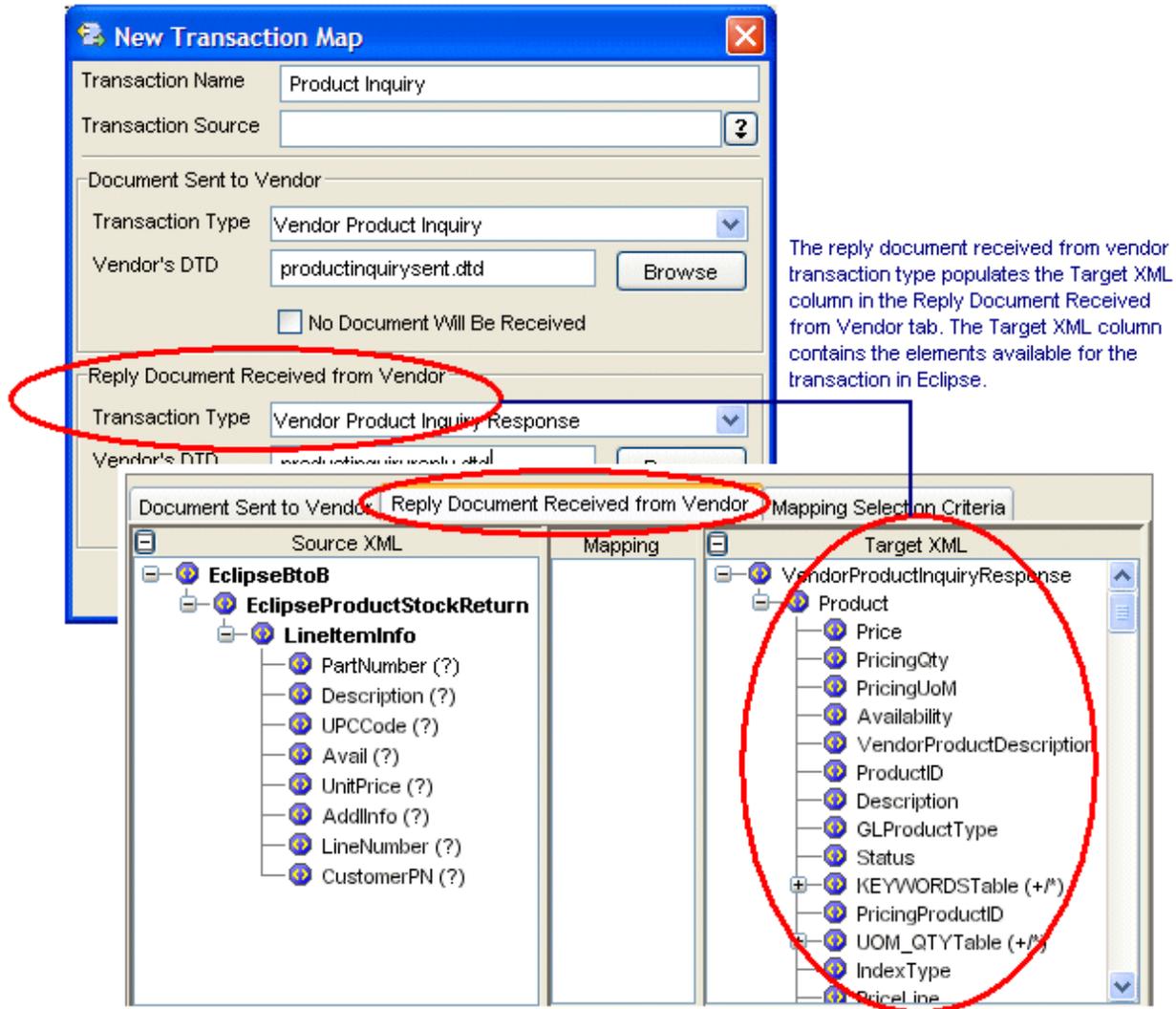


The DTD you select in the **Document Sent to Vendor** area of the New Transaction Map dialog box populates the **Target XML** column in the **Document Sent to Vendor** tab. The target XML for this transaction type contains the data elements defined in the DTD file from your trading partner. The data elements display in the order they are defined in the DTD.



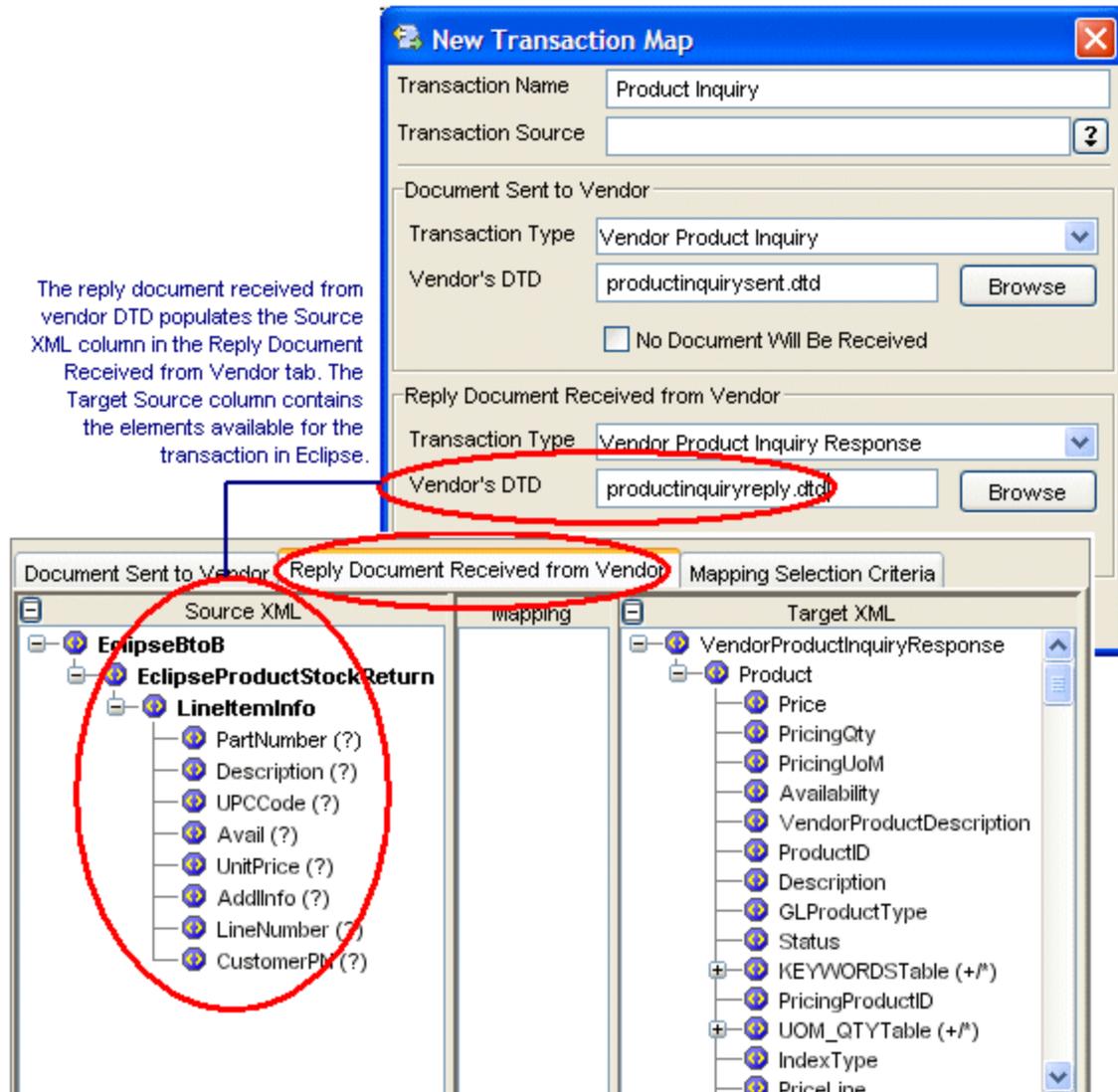
The **Reply Document Received from Vendor** tab displays the elements in Eclipse for documents that you receive from your vendor. When defining a vendor transaction map, the transaction type you select in the **Reply Document Received from Vendor** area of the New Transaction Map dialog box populates the **Target XML** column in the **Reply Document Received from Vendor** tab. The target XML for this transaction type contains the data elements in Eclipse that are available for the transaction. The elements available are defined in XML database schemas.

Note: If the vendor transaction does not contain a received document, and you select the **No Document Will Be Received** check box in the **Reply Document Received from Vendor** area of the New Transaction Map dialog box, the **Reply Document Received From Vendor** tab is disabled.



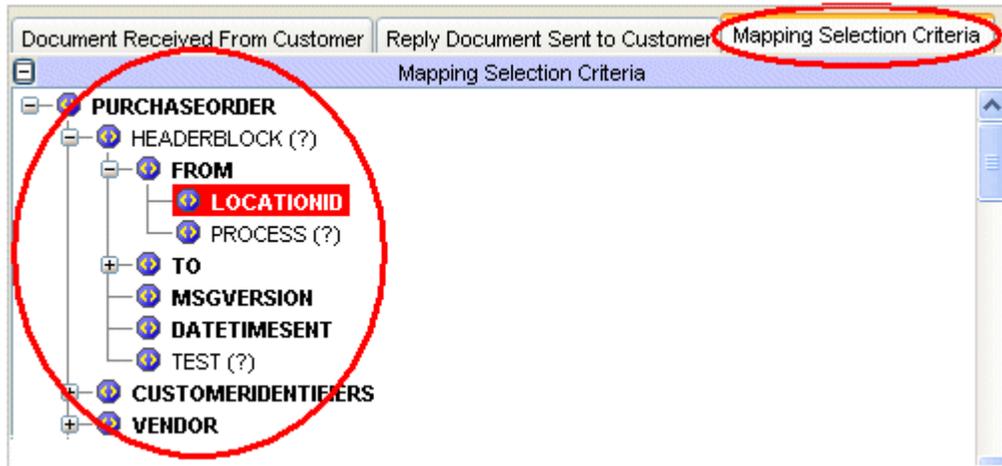
The reply document received from vendor transaction type populates the Target XML column in the Reply Document Received from Vendor tab. The Target XML contains the elements available for the transaction in Eclipse.

The DTD you select in the **Reply Document Received from Vendor** area of the New Transaction Map dialog box populates the **Source XML** column in the **Reply Document Received from Vendor** tab. The source XML for this transaction type contains the data elements defined in the DTD from your trading partner. The data elements display in the order they are defined in the DTD.



Mapping Selection Criteria Tab

Use the **Mapping Select Criteria** tab to indicate to the system which map to use when it receives or sends an XML document. If the transaction map contains an inbound, received transaction type, the DTD file you select for the received XML document in the New Transaction dialog box populates the **Mapping Selection Criteria** tab. If the transaction map does not contain an inbound transaction type and is outbound-only, the DTD you select for the outgoing, sent to document populates the **Mapping Selection Criteria** tab. For additional information, see Defining Mapping Selection Criteria.



See Also:

[Business Connect XML Mapping Tool Overview](#)
[Viewing and Saving Open XML Transaction Maps](#)
[Business Connect XML Mapping Utility Symbols](#)

Viewing and Saving Open XML Transaction Maps

As you create and edit transaction maps, the system keeps each map open until you close the transaction using the **File** menu. Each open transaction map displays as a tab along the top of the main mapping utility window. To view a map that is already open for editing, click the tab for the transaction at the top of the main window.



▶ To close transaction maps:

1. Select the tab of the transaction you want to close.
2. From the **File** menu, select **Close Transaction Map**.

▶ To save all open transaction maps:

1. From the **File** menu, select **Save All Transaction Maps**.

The system saves all changes to all open transaction maps.

See Also:

Business Connect XML Mapping Utility Main Window Aspects

Business Connect XML Mapping Utility Symbols

Business Connect XML Mapping Utility Symbols

Your trading partners' document type definition (DTD) files might contain one or more of the following symbols that indicate the occurrence of each element in the DTD. These symbols display in the Business Connect XML mapping utility when you expand the source or target XML that represents the DTD from your trading partner:

Symbol	Description
*	A one-to-many relationship can be mapped for the element. The element can appear in the XML document once, more than once, or not at all.
+	A repeating group, that is, the element can occur in the XML document once or more than once, such as, items on an order.
?	An optional piece of data, such as an extension for a telephone number. The element might appear in the XML document zero or one time.
Blank	The element must appear only once in the XML document.
	An XML attribute associated with the element.
Bold	The element is required for the transaction.

The Business Connect XML mapping utility also contains the following symbols:

Symbol	Description
	Trading partner in the Trading Partner Tree. Transactions are listed under each trading partner.
	Transaction in the Trading Partner Tree, or a trading partner that does not have transactions defined yet.
	The target XML element has operations assigned to modify incoming or outgoing data.
	The target XML element has a source element mapped to it, with no additional data modifications.
	The target XML element has a nested element to which a source element is mapped. Expand the element to see the nested elements.
	Multiple target elements are mapped to a source element. This symbol displays in the Mapping Preview pane.
	The XML document contains a DOCTYPE declaration.
	The element has a single data conversion applied. This symbol displays in the Mapping Preview pane.
	The element has multiple data conversions applied. This symbol displays in the Mapping Preview pane.
	A source, such as a Literal, in the Operation Stack field in the XML Mapping Conversion Editor dialog box.

Symbol	Description
	An operation, such as concatenation, in the Operation Stack field in the XML Mapping Conversion Editor dialog box.

Sending and Receiving Customer Transactions Using XML

Using the settings you define in Eclipse and the transaction maps you set up for trading partners in the mapping utility, the system processes transactions and routes them to review queues where appropriate.

Before sending or receiving XML from customers, ensure you have completed the following setup for the customer records in Eclipse. For additional system setup requirements, see [Business Connect XML Setup Overview](#).

- Set system notifications for XML customer transactions.
- Set post locations for XML customer transaction documents.
- Set XML activity triggers.
- Define pricing variance for XML customer transactions.

Use Business Connect XML to *receive* the following transaction types from customers with whom you do business using XML documents:

- Order submits
- Product inquiries
- Change order requests
- Requests for quotes
- Punch-out setup requests
- B2B connection test

Use Business Connect XML to *send* the following transaction types to customers with whom you do business using XML documents:

- Order acknowledgements
- Advance ship notices
- Invoices

See Also:

[Sending and Receiving Vendor Transactions Using XML](#)

Reviewing XML Orders From Your Customers

You can receive and process orders from your customers using XML. When a trading partner submits an order to your company using XML, the system does the following:

- Translates the XML document according to the settings in the inbound order submit transaction map for the trading partner.
- Creates a sales order with the initial order status set.

If the order status is mapped and sent in the XML document, the system uses this value. If the XML document either does not have an order status mapped or the data is not included in the XML, the system uses the default new order status set in the Customer record. If the customer record does not have a default new order status set, the system defaults to Bid.

- Places the order in the Remote Order Entry Review Queue if the **Log Bids For Review** field in the customer record is set to **New Order**. If the initial status for inbound orders for the customer is set to Order, the system places the order in the Remote Order Entry Review Queue if the **Log Orders for Review** field in the customer record is set to **New Order**.

If an item on the order is backordered, the system assigns the **BkOrd** status to the queue entry.

- Sends a message to the user responsible for reviewing the Remote Order Entry Review Queue for the customer. This person reviews the order, makes any needed edits, and then changes the order status to an open status.
- Archives the incoming XML document in Remote Archive Maintenance.

► To display the Remote Order Entry Review Queue:

1. From the **System > Custom** menu, select **Remote Review Queues** and select **Order Entry Queue** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display documents in the queue.

For example, to see all the orders that you received from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional selection criteria and press **Esc** to populate the BCXML Remote Order Entry Review Queue.

Field	Description
Remote Type	The type of remote transaction you want to view, for example, XML or EDI. Note: The current release supports only XML order acknowledgments in the Remote P/O Acknowledgment Review Queue.
User ID	The user ID to display only XML order acknowledgments that a user is assigned to review.
Branch	The branch from which the items ordered will be shipped. To review orders for all branches, leave this field blank. Note: This field respects the setting in the Remote Order Review Queue Branch control maintenance record.

The summary information for each acknowledgement that meets the criteria displays.

Field	Description
SO#	The sales order number the order references.
Customer	The bill-to customer for the order.
Status	The current shipment status of the order, such as B for bid or A for ship when available.
Order Amount	The total dollar amount of the order.
Type	The type of transmission, such as XML or EDI. Note: The current release supports only XML orders in the Remote Order Entry Review Queue.
Error	Identifies any errors that occurred in the transaction.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

► **To research orders with errors:**

1. Display the Remote Order Entry Review Queue.
2. Use any of the following hot keys to research orders with errors:

To...	Use this hot key...
view the associated sales order in view-only mode	View

To...	Use this hot key...
make changes to the associated sales order, such as overwriting any ***B2B Product Not Found*** items with the correct product, or updating the ship via for an order	Edit Note: Do not delete a product-not-found item or add any new items to the original generation order generation. The information provided in the purchase order is repeated back in the order acknowledgement and the invoice documents. Add any new items to new order generations.
view the error message for an order	Errors
display the archived XML document as the system received it	Detail The Remote Archive Detail screen displays. Use the Edit hot key to edit the contents of the document and the Requeue hot key to reprocess the document.

More Options When Reviewing XML Orders From Customers

The following are additional options you can use when reviewing remote orders in the Remote Order Entry Review Queue:

To...	Use this hot key...
delete an order from the queue that no longer requires your attention	Clear
to delete all orders older than a designated date from the queue	Clear By Date
to delete orders that successfully processed with no errors	Clear Orders W/O Errs

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Processing XML Product Inquiries

When a trading partner submits a request for prices and product availability to your company using XML, the system does the following:

- Translates the XML document according to the settings in the inbound price and availability transaction map for the trading partner.
- Searches the price and available inventory information in the system.
- Sends a response using the product inquiry response transaction map for the trading partner.
- Archives the incoming XML document in Remote Archive Maintenance.

The system retrieves the price and available inventory information and generates the response automatically.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Reviewing XML Change Order Requests From Your Customers

Your customers might send you changes to existing orders using an inbound XML change order request. When the system receives an XML change order request, it does the following:

- Looks for a sales order number that matches one that exists in your system.
- Processes the change order request using the change order transaction map you defined for the trading partner requesting the change.
- Creates a report that contains the requested changes.
- Saves the report to the Hold file of the user entered in the **Default User Messaged With Order Changes** field in the Remote Order Entry Parameters screen for the customer, and sends a system notification message to that user.
- Places the order in the Remote Order Entry Review Queue if the **Log Bids For Review** field in the customer record is set to **Changes**. If the initial status for inbound orders for the customer is set to **Order**, the system places the order in the Remote Order Entry Review Queue if the **Log Orders for Review** field in the customer record is set to **Changes**.

Note: If a default user is not defined for change order notifications in the customer record, the system notifies the user identified for order changes in the Default Remote Order Entry (ROE) Messaging control maintenance record.

The identified user reviews the requested changes to the order and updates the order in the system manually. The system does not update existing orders automatically with requested changes because an order could be picked and on a truck at the time the customer makes the change request.

After making the requested changes, you can send an XML order acknowledgement. The system transmits the acknowledgment to customers when you set the print status of the order to **2** for B2B.

See Also:

[Sending XML Order Acknowledgements to Your Customers](#)

[Creating XML Transaction Maps](#)

[Remote Archive Maintenance Overview](#)

[Sending and Receiving Customer Transactions Using XML](#)

Reviewing XML Quote Requests From Your Customers

You can receive quote requests from your customers using XML. When a trading partner submits a quote request to your company using XML, the system does the following:

- Translates the XML document according to the settings in the inbound quote request transaction map for the trading partner.
- Creates a sales order with an order status of Bid.
- Places the order in the Remote Order Entry Review Queue if the **Log Bids For Review** field in the customer record is set to **New Order**. If the initial status for inbound orders for the customer is set to Order, the system places the order in the Remote Order Entry Review Queue if the **Log Orders for Review** field in the customer record is set to **New Order**.
- Sends a message to the user responsible for reviewing the Remote Order Entry Review Queue. This person reviews the order, makes any needed edits, and then changes the order status to an open status.
- Archives the incoming XML document in Remote Archive Maintenance.

► To review an XML quote request:

1. From the **System > Custom** menu, select **Remote Review Queues** and select **Order Entry Queue** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display documents in the queue.

For example, to see all the orders that you received from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional selection criteria and press **Esc** to populate the Remote Order Entry Review Queue.

Field	Description
Remote Type	The type of remote transaction you want to view, for example, XML or EDI. Note: The current release supports only XML order acknowledgments in the Remote P/O Acknowledgment Review Queue.
User ID	The user ID to display only XML order acknowledgments that a user is assigned to review.
Branch	The branch from which the items ordered will be shipped. To review orders for all branches, leave this field blank.

The summary information for each acknowledgement that meets the criteria displays.

Field	Description
SO#	The sales order number the order references.
Customer	The customer that sent the order.
Status	The current shipment status of the order, such as B for bid or A for ship when available.
Order Amount	The total dollar amount of the order.
Type	The type of transmission, such as XML or EDI. Note: The current release supports only XML orders in the Remote Order Entry Review Queue.
Error	Identifies any errors that occurred in the transaction.

4. Select the bid and use the **Edit** hot key.
5. Edit the bid, as necessary.
6. Display the bid's Status screen.
7. Change the **Prt** status to **2** for B2B.
8. Press **Esc** to exit and send the XML quote request response to the customer from which you received the quote request.

The system verifies that a valid XML transaction map exists for a quote request response for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Reviewing XML Orders From Your Customers

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Processing XML Punch-Out Requests

Use Business Connect XML to process inbound punch-out requests from procurement marketplace software, such as the Ariba Supplier Network. When a user requests a product on the source's web site, the site requests to access, or "punch-in," to your web site to view your catalog. Using a punch-out system allows your buyers to access your most current catalog and pricing information at any time of day.

When the Eclipse system receives a punch-out setup request, it does the following:

- Translates the XML document according to the settings in the websession transaction map for the trading partner. For Ariba punchout transactions, ensure the XML documents contain a document type.
- Sends a URL and websession login ID using the websession response transaction map for the trading partner.
- Archives the XML document in Remote Archive Maintenance.

As a customer shops and places orders for items from your catalog, the source site routes XML order requests through to the Eclipse system for order fulfillment. For information about how to process inbound order requests, see [Reviewing XML Orders From Your Customers](#).

See Also:

[Reviewing XML Orders From Your Customers](#)

[Creating XML Transaction Maps](#)

[Remote Archive Maintenance Overview](#)

[Sending and Receiving Customer Transactions Using XML](#)

Sending XML Order Acknowledgements to Your Customers

When a customer sends an inbound XML order request, the system does the following to generate the order and automatically send an order acknowledgement. You can also send an other acknowledgement manually.

Note: Before the system can send a purchase order acknowledgement to a customer, create an XML transaction map for an order acknowledgement transaction type, set activity triggers, and define document post locations for the customer.

- Translates the XML document according to the settings in the inbound order submit transaction map for the trading partner.
- Creates a sales order with the initial order status set.

If the order status is mapped and sent in the XML document, the system uses this value. If the incoming XML document either does not have an order status mapped or the data is not included in the XML, the system uses the default new order status set in the Customer record. If the customer record does not have a default new order status set, the system defaults to Bid.

- Places the order in the Remote Order Entry Review Queue if the **Log Bids For Review** field in the customer record is set to **New Order**. If the initial status for inbound orders for the customer is set to **Order**, the system places the order in the Remote Order Entry Review Queue if the **Log Orders for Review** field in the customer record is set to **New Order**.
- Sends a message to the user responsible for reviewing the Remote Order Entry Review Queue for the customer. This person reviews the order, makes any needed edits, and then changes the order status to an open status.
- Archives the incoming XML document in Remote Archive Maintenance.
- When the order has been processed, the system sends the XML order acknowledgement to the customer.

► To manually send an XML purchase order acknowledgement:

1. From the **Orders > Queues** menu, select **Remote Order Entry Review** to display the Remote Order Review Queue screen.
2. Select the XML bid and use the **Edit** hot key to display the bid in sales order entry.
3. Edit the order, as necessary.
4. Display the order's Status screen.
5. Change the order status to an open status, such as **Call When Complete**.

Note: The order status cannot be **Bid**, **Invoiced**, or **Canceled** for the system to send an order acknowledgement using XML.

6. In the **Prt** field, change the print status to **2**.
7. Press **Esc** to exit the window and process the order.
8. If prompted, select the type of acknowledgement to send.

The system verifies that a valid XML transaction map is created for an order acknowledgement for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Reviewing Inbound XML Orders

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Sending XML Advance Ship Notices to Your Customers

Using XML, you can set the system to create and send an Advance Ship Notice (ASN) to your trading partner, advising them of inventory you are going to ship in their next order.

Note: Before the system can send an advanced ship notice to a customer, create an XML transaction map for an advanced ship notice transaction type, set activity triggers, and define document post locations for the customer.

You can set the system to create and send an ASN from the following locations:

- From the Shipping Manifest Queue after the manifest is created and locked. Use the Manifest Lock activity trigger with the B2B ASNs activity description to set up this process.
- From an order generation when the **Prt** field on the Status screen is set to **2**.

When you send an ASN using XML, the system verifies that the customer has a transaction map defined for the outbound Advanced Ship Notice transaction type and archives the XML sent in Remote Archive Maintenance.

►To send an XML ASN from a shipping manifest:

1. Set the Manifest Lock activity trigger for the customer to B2B ASNs.

When an order for the customer is placed on a manifest in the Shipping Manifest Queue and the manifest is locked, the system generates the ASN and sends it using the transaction map defined for an outbound ASN transaction for the trading partner.

►To send an XML ASN from a sales order:

1. Open the order for which you want to send the advance ship notice document.
2. Display the order's Status screen and change the order status to **Invoice**.
3. In the **Prt** field, enter **2** for B2B.
4. Press **Esc** to exit the window and process the order.
5. If prompted, select the type of ASN to send.

The system verifies that a valid XML transaction map exists for an ASN for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Reviewing XML Orders From Your Customers

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending XML Invoices to Your Customers

The system transmits outbound invoices using XML when the **Prt** field on the Status screen of an invoiced order generation is set to **2**. Before the system can send an XML invoice to a customer, create an XML transaction map for an outbound invoice transaction type for the trading partner.

Note: Before the system can send an invoice to a customer, create an XML transaction map for an invoice transaction type, set activity triggers, and define document post locations for the customer.

When you send an invoice using XML, the system verifies that the customer has a transaction map defined for the outbound invoice transaction type and archives the XML sent in Remote Archive Maintenance.

Single Invoice Processing

To send or re-send a single invoice using XML, change the print status of the order.

▶To send an individual XML invoice from a sales order:

1. Display an invoiced order in Sales Order Entry.
2. Display the order's Status screen.
3. In the **Prt** field of the generation for which you want to send an invoice, select **2** for B2B.
4. Press **Esc** to exit and process the order.
5. If prompted, select the type of invoice to send.

The system verifies that a valid XML transaction map is created for an invoice for the trading partner and translates the Eclipse data using the settings in the map.

Batch Invoice Processing

If you flag your trading partner's customer record for XML and set the Batch Invoice in Lieu of Print activity trigger in the record to B2B Sales Doc, the system sets the print status during batch invoice processing and then sends the invoice.

▶To flag a customer for XML batch processing:

1. From the **Files** menu, select **Customer** to display the Customer Maintenance screen.
2. In the **Customer/New** field, enter the customer's name and press **Enter** to display the record.
3. Use the **Pricing** hot key to display the Customer Pricing/Printing screen.
4. In the **Invoice Print Copies** field, enter the number of invoices you want to print during the batch processing cycle.

5. Press **Esc** to return to the customer record.
6. Press **Esc** to save your changes and close the customer record.

When you run the batch printing program, the system checks the setting in the **Invoice Print Copies** field and sends the B2B Sales Doc, as specified in the Batch Invoice in Lieu of Print activity trigger. The system sends the invoice using the outbound invoice transaction map defined for the customer.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Processing B2B Connection Test Transactions From Your Customers

If you are using the Eclipse B2B Commerce companion product for electronic trading with customers who also run Eclipse, your system processes test transactions to verify the communication connection between your Eclipse system and your customer's Eclipse system. When a trading partner submits a B2B connection test to your company using XML, your system does the following:

- Translates the XML request according to the settings in the inbound customer B2B connection test transaction map for the trading partner.
- Verifies the basic credential information passed in the transaction.
- Sends a successful HTTP 200 response back to your customer.
- Archives the incoming XML document in Remote Archive Maintenance.

See Also:

[Creating XML Transaction Maps](#)

[Remote Archive Maintenance Overview](#)

[Sending and Receiving Customer Transactions Using XML](#)

Sending and Receiving Vendor Transactions Using XML

Using the settings you define in Eclipse and the transaction maps you set up for trading partners in the mapping utility, the system processes transactions and routes them to review queues where appropriate.

Before sending or receiving XML from vendors, ensure you have completed the following setup for vendor records in Eclipse. For additional system setup requirements, see Business Connect XML Setup Overview.

- Set vendor access information for XML documents.
- Set vendor activity triggers for XML documents.
- Set post locations for XML vendor transaction documents.

Use Business Connect XML to *receive* the following transaction types from vendors with whom you do business using XML documents:

- Purchase order acknowledgements
- Advance ship notices
- Invoices
- Product inquiries

Use Business Connect XML to *send* the following transaction to vendors with whom you do business using XML documents:

- Purchase orders
- Change order requests
- Direct orders
- B2B connection tests

See Also:

[Sending and Receiving Customer Transactions Using XML](#)

Reviewing XML Order Acknowledgements From Your Vendors

An XML trading partner might send an XML acknowledgement document after they receive a purchase order from you.

Note: The current release supports only XML order acknowledgements in the Remote Order Acknowledgment Review Queue.

When the system receives the order acknowledgement, it does the following:

- Translates the XML document according to the settings in the inbound order acknowledgement transaction map for the trading partner.
- Adds the order acknowledgement to the Remote Order Acknowledgment Review Queue.
- Locates the order number referenced in the acknowledgement and matches the items to an open purchase order generation in the system.
- Sets the match level depending on the matching results:

Match Level	Description
N	No match was found. This level can occur for any of the following reasons: <ul style="list-style-type: none"> • The acknowledgement contains an invalid order number. • The referenced order does not contain an open generation. • The order has an open generation, but is locked by another user or process. • The system cannot match any items on the acknowledgement with items and quantities on any open generation of an open purchase order.
S	Some items and quantities match.
G	The items and quantities have an exact match, but the dollar amount is not within the acceptable over or short range.
P	All items and quantities are perfect matches.

- Archives the order acknowledgement document in Remote Archive Maintenance.

Review the orders in the queue to verify which acknowledgements matched successfully to existing purchase order generations in your system.

►To display the Remote Order Acknowledgment Review Queue:

1. From the **System > Custom** menu, select **Remote Review Queues** and select **P/O Acknowledgment Queue** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display documents in the queue.

For example, to see all the order acknowledgements that you received from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional selection criteria and press **Esc** to populate the Remote Order Acknowledgement Review Queue.

Field	Description
Remote Type	The type of remote transaction you want to view, for example, XML or EDI. Note: The current release supports only XML order acknowledgments in the Remote P/O Acknowledgment Review Queue.
User ID	The user ID to display only XML order acknowledgments that a user is assigned to review.
Ship Branch	The branch to which the items ordered will be shipped. To review acknowledgments for all branches, leave this field blank.
Vendor	The vendor to whom you sent the original purchase order. To review acknowledgments from all vendors, leave this field blank.
PO#	The order number to search for a specific order.

The summary information for each acknowledgement that meets the criteria displays:

Field	Description
PO#	The purchase order number the acknowledgement references.
Vendor	The vendor who received your purchase order and sent you the acknowledgement.
M (Match Level)	The system-assigned match level. A dollar sign (\$) in this field indicates there is a message attached. Use the Message hot key to view the message.
Post Date	The date the system received the acknowledgement document.
RevBr	The receiving branch of the purchase order, if noted in the acknowledgement.
Ship Via	The carrier handling the shipment, such as UPS, if noted in the acknowledgement.
Type	The transmission type, such as XML or EDI. Note: The current release supports only XML documents in the Remote P/O Acknowledgment Review Queue.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

► **To research unsuccessful acknowledgment matches:**

1. Display the Remote Order Acknowledgement Review Queue.
2. Use any of the following hot keys to research unsuccessful matches:

To...	Use this hot key...
display messages attached to the acknowledgement	Message
view the associated order in view-only mode	View
display the archived XML document as the system received it	Detail The Remote Archive Detail screen displays. Use the Edit hot key to edit the contents of the document and the Requeue hot key to reprocess the document.
display the detailed order acknowledgement to research discrepancies, such as price mismatches	Detail then Vendor Item Detail The system displays the order acknowledgement in the Hold Entry Pre-View screen.

More Options When Reviewing XML Order Acknowledgements From Vendors

The following are additional options you can use when reviewing XML order acknowledgements in the Remote Order Acknowledgment Review Queue:

To...	Use this hot key...
delete an acknowledgment that no longer requires your attention	Clear
delete all acknowledgments older than a designated date from the queue	Clear By Date
edit the associated order within Eclipse	Edit
clear order acknowledgements with a perfect match level from the queue	Clear Matches

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Reviewing XML Advanced Ship Notices From Your Vendors

When an XML trading partner ships an order to you, they might send an advance ship notice (ASN) using XML. This document lists the items from your original submitted purchase order that the vendor is shipping to you.

Note: The current release supports only XML advance ship notices in the Remote Advanced Ship Notice Review Queue.

When the system receives an ASN from a vendor using XML, it does the following:

- Translates the XML document according to the settings in the inbound order submit transaction map for the trading partner.
- Adds the ASN to the Remote Advanced Ship Notice Review Queue.
- Locates the purchase order number referenced in the ASN, and matches the items to an open generation on the purchase order. The system looks at the total number or line items and quantities to match line items.
- Sets the match level depending on the matching results:

Match Level	Description
N	No match was found. This level can occur for any of the following reasons: <ul style="list-style-type: none"> • The ASN contains an invalid purchase order number. • The referenced purchase order does not have an open generation. • The purchase order has an open generation, but is locked by another user or process. • The system cannot match any items on the ASN with items and quantities on any open generation of the referenced purchase order.
S	Some items and quantities match.
G	The items and quantities have an exact match, but the dollar amount is not within the acceptable over or short range.
P	All items and quantities are perfect matches.

- If the system finds an exact match, it changes the generation **Prt** status from **Open** to **Vendor Shipment Notification**.

If there is an entry in the **Freight Days** field on the Miscellaneous Vendor Information screen for the vendor who sent the ASN, the system adds that number of days to the ship date indicated on the ASN to determine the expected arrival date of the order.

- If the system does not find an exact match, it transfers the matched items from the open generation to a new Vendor Shipment Notification generation.

- Posts the "B2B Creating Vendor Ship Notification" message to the purchase order change log for ASNs that matched all or some items.

Use the ASN listed in the Remote Advanced Ship Notice Review Queue to review the items on the shipment before the shipment arrives.

► **To display the Remote Advanced Ship Notice Review Queue:**

1. From the **System > Custom** menu, select **Remote Review Queues** and select **Advanced Ship Notice Queue** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display ASNs.

For example, to see all the ASNs that you received from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional selection criteria and press **Esc** to populate the Remote Advanced Ship Notice Review Queue:

Criteria	Description
Remote Type	The type of remote transaction you want to view, for example XML or EDI. Note: The current release supports only XML ASNs in the Remote Advanced Ship Notice Review Queue.
User ID	The user ID to display only ASN documents assigned to the user to review. To review ASNs assigned to all users, leave this field blank.
Ship Branch	The branch to which items on the ASN are being shipped. To review ASNs for all branches, leave this field blank.
Vendor	The vendor who shipped the items. To review ASNs from all your vendors, leave this field blank.
PO #	The order number associated with the ASN to search for a specific order.

The summary information for each remote ASN displays:

Field	Description
PO#	The purchase order number that the ASN references.
Vendor	The vendor who sent the ASN.
M (Match Level)	The system-assigned match level. A dollar sign (\$) in this field indicates there is a message attached. Use the Message hot key to view the message.
Ship Date	The date the vendor shipped or plans to ship the items.
RcvBr	The branch that is scheduled to receive the shipment.

Field	Description
Ship Via	The carrier handling the shipment, if noted in the ASN.
Type	The transmission type, such as XML or EDI. Note: The current release supports only XML ASNs in the Remote P/O Advanced Ship Notice Review Queue.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

► **To research unsuccessful XML advance ship notice matches:**

1. Display the Remote Advanced Ship Notice Review Queue.
2. Use any of the following hot keys to research unsuccessful matches:

To...	Use this hot key...
display messages associated with an ASN	Message
view the associated purchase order	View
display the archived ASN document as the system received it	Detail The Remote Archive Detail screen displays. Use the Edit hot key to edit the contents of the document and the Requeue hot key to reprocess the document.
display the detailed ASN to research discrepancies, such as total number of items ordered versus that shipped	Detail then Vendor Item Detail The system displays the ASN in the Hold Entry Pre-View screen.

More Options When Reviewing XML Advanced Ship Notices From Vendors

The following are additional options you might use when reviewing ASNs in the Remote Advanced Ship Notice Review Queue:

To...	Use this hot key...
delete an ASN that no longer requires your attention	Clear
delete all ASNs older than a designated date from the queue	Clear By Date Clearing ASNs removes them from the queue. You can still view the documents in Remote Archive Maintenance.
edit the associated order within Eclipse	Edit
clear ASNs that match perfectly from the queue	Clear Matches

See Also:

Creating XML Transaction Maps

Reviewing XML Invoices From Your Vendors

An XML trading partner might send an XML invoice after they ship an order to you. When you receive the XML invoice, the system does the following:

- Translates the XML document according to the settings in the inbound invoice transaction map for the trading partner.
- Adds the document to the Remote Invoice Review Queue.
- Creates a payable and attempts to match the invoice to a purchase order if the purchase order number is valid and the invoice number is not a duplicate.
- Does not create a payable if the vendor account number attached to the invoice is not assigned to a vendor. Instead, it sets the invoice match level to **N** for no match and leaves the **AP#** field in the Remote Invoice Review Queue blank.

The system tries to match the items on the XML invoice to a received generation on the purchase order by looking at the total number of line items, quantities for matching line items, and the total dollar amount.

- Sets the match level for the invoice and determines whether the payable status is approved depending on the results of the matching, the system:

Matching Results	Level in Queue	Payable Approved?
The system finds an exact match and the terms codes on the invoice and purchase order also match.	P	Y
The system cannot find a received generation on the purchase order. The system might report no match for any of the following reasons: <ul style="list-style-type: none"> • The XML invoice contains an invalid purchase order number. • The XML invoice number is a duplicate in the system. • The XML invoice arrives before items from the purchase order have been received into the system. • The account number attached to the XML invoice is not assigned to a trading partner profile. 	N	N
The system finds an exact item match but the terms codes on the invoice and purchase order do not match.	T	N
The items and quantities have an exact match. You receive this match level even if not all line items match. For example, there are two line items on a purchase order and only one on the inbound XML invoice. However, the line item on the inbound invoice has an exact match for the item and the quantity ordered. This scenario results in a G match level.	G	N
The accounting period for the payable or purchase order is closed.	C	N
The invoice contains a freight amount, but the purchase order is flagged as freight allowed.	F	N

Matching Results	Level in Queue	Payable Approved?
The purchase order is in the process of being received or in process by another user, and the system cannot reconcile it until it is completely received into the system.	I	N
The system finds a purchase order that some items match, but not all.	S	N

- Archives the incoming XML document in Remote Archive Maintenance.

Use the invoice listed in the Remote Invoice Review Queue to review the invoice totals and research unsuccessful invoice matches.

► **To display the Remote Invoice Review Queue:**

- From the **System > Custom** menu, select **Remote Review Queues** and select **Invoice Queue** to display the Selection Criteria screen.
- In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display invoices.

For example, to see all the invoices that you received from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

- Enter additional selection criteria and press **Esc** to populate the Remote Invoice Review Queue:

Criteria	Description
Remote Type	The type of remote transaction you want to view, for example XML or EDI. Note: The current release supports only XML invoices in the Remote Invoice Review Queue.
User ID	The user ID to display only XML invoices assigned to the user to review. This field defaults to your user ID. To review invoices assigned to all users, leave this field blank.
Branch	The branch to which the items invoiced are being or were shipped. To review invoices for all branches, leave this field blank.
Vendor	The vendor who shipped the items. To review invoices from all your vendors, leave this field blank.
PO#	The purchase order number to search for a specific invoice reconciled to a PO.
AP#	The accounts payable number to search for a specific invoice.
Invoice #	The invoice number to search for a specific invoice.

Criteria	Description
Invoice Type	The type to of invoice you want to view, such as directs or purchase orders. To view all invoice types, select ALL .

The summary information for each invoice displays:

Field	Description
M (Match Level)	The system-assigned match level.
* (Approved)	The payable for the invoice has been approved.
PO#	The purchase order number associated with the invoice.
AP#	The system-assigned payable ID, followed by any of the following codes: <ul style="list-style-type: none"> • D The payable resulted from a direct order. • T A freight charge is associated with the payable and the order is tagged. • F A freight charge is associated with the payable, but the order is not tagged. • X The payable has been canceled. An asterisk (*) in the field indicates a message is attached to the queue entry. Use the Message hot key to display the message.
Vendor	The vendor who sent the invoice.
Ven Inv Amt	The amount the vendor invoiced.
Reconciled	The invoice amount that matched the purchase order.
Difference	The difference between the invoiced and reconciled amount.
Received	The date the system received the invoice and added it to the queue. Note: If this field does not display, use the Change View hot key.
Ref#	The system-assigned sequential number that identifies the queue entry. Note: If this field does not display, use the Change View hot key.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

► **To research unsuccessful invoice matches:**

1. Display the Remote Invoice Review Queue.
2. Use any of the following hot keys to research unsuccessful matches:

To...	Use this hot key...
display messages attached to an invoice	Message
view the associated purchase order	View
display the archived XML document as the system received it	Detail

To...	Use this hot key...
display the detailed invoice to research discrepancies, such as price mismatches	Detail then Vendor Item Detail The system displays the invoice in the Hold Entry Pre-View screen.

More Options When Reviewing XML Invoices From Vendors

The following are additional options you can use when reviewing XML invoices in the Remote Invoice Review Queue:

To...	Use this hot key...
reprocess invoices that were not approved for payment	Detail then Requeue
manually reconcile an invoice and approve the payable	Edit
remove an invoice that no longer requires your attention	Clear
delete all invoices older than a designated date from the queue	Clear By Date Invoices deleted from the queue are available for viewing in Remote Archive Maintenance.
clear invoices with a perfect match from the queue	Clear Matches

See Also:

Reviewing XML Invoices From Your Vendors

Remote Archive Maintenance Overview

Creating XML Transaction Maps

Sending and Receiving Vendor Transactions Using XML

Reprocessing XML Invoices From Your Vendors

If the system receives an invoice through XML before you receive the items from the vendor in the system, the entry in the Remote Invoice Review Queue shows that the system did not find a matching received purchase order. After you receive the order into the system, you can reprocess the invoice. You can also reprocess invoices after making changes to matching purchase orders.

We recommend that you reprocess invoices in the queue daily. You can also schedule the process to run automatically.

Note: The system archives the XML invoices it receives in Remote Document Maintenance.

▶ To reprocess an XML invoice:

1. Display XML invoices in the Remote Invoice Review Queue and select the invoice you would like to reprocess.
2. Use the **Detail** hot key to display the Remote Archive Detail screen, which displays the XML received for the invoice.
3. Use the **Requeue** hot key to resubmit the XML document.

See Also:

Reviewing XML Invoices From Your Vendors

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Processing XML Product Inquiries

When a trading partner submits a request for prices and product availability to your company using XML, the system does the following:

- Translates the XML document according to the settings in the inbound price and availability transaction map for the trading partner.
- Searches the price and available inventory information in the system.
- Sends a response using the product inquiry response transaction map for the trading partner.
- Archives the incoming XML document in Remote Archive Maintenance.

The system retrieves the price and available inventory information and generates the response automatically.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Customer Transactions Using XML

Sending XML Purchase Orders to Your Vendors

The system transmits purchase orders to vendors using XML when you set the print status on the purchase order to **2**. You can also send a purchase order to your vendor using the Eclipse B2B Commerce screen in sales order entry if you are procuring items for an order.

Note: Before the system can send a purchase order to a vendor, create an XML transaction map for a purchase order transaction type, set activity triggers, and define document post locations for the vendor.

When you send a purchase order using XML, the system verifies that the vendor has a transaction map defined for an outbound purchase order transaction type and archives the XML sent in Remote Archive Maintenance.

►To send an XML purchase order to your vendor:

1. Display an open order in Purchase Order Entry.
2. Display the order's Status screen.
3. In the **Prt** field, enter **2** for B2B Transmit.

Note: You can also send a purchase order to your vendor using the Eclipse B2B Commerce screen in sales order entry if you are procuring items for an order.

4. Press **Esc** to exit the window, process the purchase order, and send it to the vendor.
5. If prompted, select the type of purchase order document to send.

The system verifies that a valid XML transaction map exists for a purchase order for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Sending XML Change Order Requests to Your Vendors

The system transmits changes to purchase orders to vendors using XML when you set the print status on the purchase order to **2**.

Note: Before the system can send a change order request to a vendor, create an XML transaction map for a change order transaction type, set activity triggers, and define document post locations for the vendor.

Before you can send a change order request to an XML trading partner, complete the following tasks:

- Set vendor access information for posting documents to the trading partner's web site.
- Create an XML transaction map for an outbound XML order submit transaction type for the trading partner.

When you send a change order request using XML, the system verifies that the vendor has a transaction map defined for an outbound purchase order transaction type and archives the XML sent in Remote Archive Maintenance.

►To send an XML change order request to your vendor:

1. Display an open order in Purchase Order Entry.
2. Make order changes, as necessary.
3. Display the order's Status screen.
4. In the **Prt** field, enter **2** for B2B Transmit.
5. Press **Esc** to exit the window, process the purchase order, and send it to the vendor.
6. If prompted, select the type of purchase order document to send.

The system verifies that a valid XML transaction map exists for a purchase order for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Sending XML Direct Orders to Your Vendors

A direct order is similar to a purchase order that you send to your vendor to request items for your warehouse to fill outstanding orders. However, using a direct order, you instruct the vendor to ship the ordered items directly to your customer, not to you.

The system transmits direct orders to vendors using XML when you set the print status on a direct sales order generation to **2** and select the **Direct Order Submit** transaction document. The direct sales order generation contains the items that you are acquiring from your vendor to fill the order. You can also send a direct order to your vendor using the Eclipse B2B Commerce screen in sales order entry if you are procuring items for an order and want to ship them directly to your customer.

Note: Before the system can send a direct order to a vendor, create an XML transaction map for a direct order transaction type that contains the ship-to and bill-to information for the order, set activity triggers, and define document post locations for the vendor.

When you send a direct order using XML, the system verifies that the vendor has a transaction map defined for an outbound direct order transaction type and archives the XML sent in Remote Archive Maintenance.

►To send an XML direct order to your vendor:

1. Display an open order in Sales Order entry.
2. Display the order's Status screen and select the direct order generation you want to send.
3. In the **Prt** field for that generation, enter **2** for B2B Transmit.

Note: You can also send a direct order to your vendor using the Eclipse B2B Commerce screen in sales order entry if you are procuring items for an order and want to ship them directly to your customer.

4. Press **Esc** to exit the window, process the order, and send it to the vendor.
5. If prompted, select the **Direct Order Submit** document.

The system verifies that a valid XML transaction map exists for a purchase order for the trading partner and translates the Eclipse data using the settings in the map.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Testing Vendor B2B Connections with XML

If you are using the Eclipse B2B Commerce companion product for electronic trading with your vendors who also run Eclipse, test the B2B communication connection between your Eclipse application and your vendors from the Vendor B2B Setup screen in Eclipse. When you test the vendor B2B communication, your system and your vendor's system do the following:

- Your system translates the XML request according to the settings in the outbound vendor B2B connection test transaction map.
- Your vendor's system verifies the basic credential information passed in the transaction and sends a message back to your system. If the connection test was successful, your vendor's system sends HTTP 200 response back to your system and Eclipse displays the following message in the Vendor B2B Setup screen: Good Customer Number and Password. Connection was successful.

If the connection test was not successful, Eclipse displays troubleshooting information in the Vendor B2B Setup screen. For example, the message might indicate that the password you specified is invalid, or the web server would not allow a certain method. The message often displays detailed HTML information that you can use to determine the connection problem.

- Your system archives the outgoing XML document in Remote Archive Maintenance.

► To send a vendor B2B connection test transaction:

1. From the **Files** menu, select **Vendor** to display the Vendor Maintenance screen.
2. Open or create a vendor maintenance record.
3. Use the **WWW** hot key to display the Internet Information Maintenance screen.
4. Use the **B2B Commerce** hot key to open the vendor's Eclipse B2B Commerce Vendor Maintenance screen.
6. Enter the login information you use to access the vendor's web site:

Field	Description
Customer ID	Your company-assigned login identification.
Login	The login ID for the customer.
Password	Your company-assigned login password.

7. Use the **B2B Post URL** hot key and select **Connection Test**.

The system uses the location in the **Default** transaction type if all transactions' posts go to the same location for the vendor. If the vendor requires the connection test posts to go to different locations, set the URL for the connection test URL. If not, use the default post URL.

8. In the **B2B Post URL** field, enter the post location for XML documents for the customer.
9. Press **Esc** until you return to the Vendor Maintenance screen.

10. Press **Esc** to save the vendor record and exit the screen.
11. Use the **Test Connection** hot key to test your connection access to the vendor. The system attempts to connect to the vendor's URL, using your login information.

See Also:

Creating XML Transaction Maps

Remote Archive Maintenance Overview

Sending and Receiving Vendor Transactions Using XML

Reviewing Remote Transactions with Errors

The Remote Error Review Queue displays inbound and outbound documents for remote transactions, such as XML and EDI, that contain errors that cause them to not process correctly. From the Remote Error Review Queue, you can drill down into the details of a document to identify errors, edit the document, and reprocess it through the system.

Note: The current release supports only XML documents in the Remote Error Review Queue.

If you receive or send a document with errors, the system does the following:

- Creates an entry in the Remote Error Review Queue.
- Sends a system message to the user responsible for reviewing the Remote Error Review Queue.
- Archives the document in Remote Archive Maintenance.

You can complete the following tasks in the Remote Error Review Queue:

- Review XML remote transactions with errors.
- View or edit a remote document.
- View or edit transaction in Eclipse that are associated with the remote document.
- Delete documents from the queue.

► To review remote transactions with errors:

1. From the **System > Custom** menu, select **Remote Review Queues** and select **Error Queue** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display documents in the queue.

For example, to see all the documents that were received or transmitted with errors from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional selection criteria in the remaining fields to filter the documents displayed in the queue.

Field	Description
Remote Type	The type of remote documents you want to view, such as XML or EDI. Note: The current release supports only XML documents in the Remote Error Review Queue.

Field	Description
In/Out	The document type to display. Press F10 and select Inbound to view only documents you received that contained errors or Outbound to view only documents you sent that contained errors. Leave this field blank to view both inbound and outbound documents.
Search String	Any word, phrase, or numerical value within a document. For example, if you want to see only documents that contain a specific product or trading partner, enter that product or trading partner name here. The system searches the document transactions for that string.

4. Press **Esc** to display the Remote Error Review Queue screen with the documents in error that match your search criteria.

The screen displays details about each document the system sent or received.

Field	Description
Error	The type of error the system encountered when processing the document. For example, an error message may indicate that the system could not find an entity for the transaction or that it could not compile the XQuery code for an XML transaction. Select an error message and use the Message hot key to display the entire message.
* (Archive Type)	The document type, inbound or outbound. I(Inbound) – A document the system received. If the Eclipse system initiated the transaction, an incoming document is typically a response from the receiving source. O(Outbound) – A document the system sent. If your trading partner initiated the transaction, the outgoing document is typically an Eclipse system response to the sending source. Each transmission typically contains both an incoming and an outgoing document.
Type	The remote type, such as XML or EDI. Note: The current release supports only XML documents in the Remote Error Review Queue.
Date	The date the document was received or sent.
Time	The time the document was received or sent.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

► **To view or edit a remote document's transmission:**

1. View documents in the Remote Error Review Queue.
2. Select the document to view.
3. Use the **Detail** hot key to display the Remote Archive Detail screen, which displays the document as it was received from or sent to the Eclipse system.

Note: Use this function to identify potential problems that are causing a document to not process correctly.

- Use the following hot keys, if necessary:

To...	Use this hot key...
edit the contents of the document	Edit The screen changes to an edit mode. Make any changes necessary to correct the document and press Esc .
reprocess a document	Requeue Requeue the document after you have identified errors and made any necessary changes.

- Press **Esc** to return to the Remote Archive Maintenance screen.

▶ **To view or edit transactions in Eclipse that are associated with a remote document:**

- View documents in the Remote Error Review Queue.
- Select the document to view or edit.
- Do one of the following:
 - Use the **View** hot key to open the transaction in view-only mode. For some transactions, such as a stock inquiry, select the inquiry type, such as **Future Ledger**, **History Ledger**, or **Product Maintenance**.
 - Use the **Edit** hot key to open the transaction in edit mode. Select the item to edit from the list.

Note: The **View** and **Edit** hot keys look for order numbers, customer numbers, or part numbers in a document, and provide links to Eclipse data.

▶ **To delete documents from the Remote Error Review Queue:**

- View documents in the Remote Error Review Queue.
- Select the document to delete.
- Do one of the following:
 - Use the **Delete** hot key to delete the selected document from the queue.
 - Use the **Delete By Date** hot key to delete all documents from the queue that are older than the specified date. Enter the date and press **Esc**.

Note: The system removes the documents from the Remote Error Review Queue. However, the documents are still available in Remote Archive Maintenance.

Viewing the Remote Activity Log

Use the Remote Activity Log to view all the activity associated with remote transactions to and from Eclipse. From the activity log, you can drill down to the transaction details, such as the system-generated order for a customer's order submit transaction.

Note: The current release supports only XML transactions in the Remote Activity Log.

►To view the Remote Activity Log:

1. From the **System > Custom** menu, select **Remote Activity Log Viewing** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display activity in the log.

For example, to see all the remote activity from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter additional, optional selection criteria and press **Esc** to populate the Remote Activity Log Viewing screen.

Field	Description
Remote Type	Select the type of remote transaction to view, for example, XML or EDI. Note: The current release supports only XML documents in the Remote Activity Log.
In/Out	The document type to display. Press F10 and select Inbound to view only inbound transactions or Outbound to view only outbound transactions. To view all transactions, leave this field blank.
Search String	Any word, phrase, or numerical value within a document associated with a transaction. For example, if you want to see transactions that contain a specific product or trading partner, enter that product or trading partner name here. The system searches the transactions for that string.

The summary information for each remote activity that meets the criteria displays.

Field	Description
User ID	The user who initiated or received the transaction.
Date	The date the activity occurred. The activity entries display in the date and time sequence with the most recent activities listed first.
Time	The time the activity occurred.

Field	Description
Comment	The remote activity, such as Processing Incoming Customer Order Submit or Error Processing Inbound Document. When the screen is in synopsis mode, the Comment field displays only the first line of the activity description or comment. Use the Expand hot key to display the entire comment.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

More Options When Viewing Remote Activity Entries

The following are additional options you can use when viewing remote activity entries in the Remote Activity Log Viewing screen:

To...	Use this hot key...
view an order in Eclipse associated with the activity, such as the system-generated order for a customer's order submit request	View
edit an order in Eclipse associated with the activity, such as the system-generated order for a customer's order submit request	Edit
edit the comment attached to an activity	Edit Comment
change the amount of information displayed in the Comment field	Expand and Synop

See Also:

Sending and Receiving Customer Transactions Using XML

Sending and Receiving Vendor Transactions Using XML

Remote Archive Maintenance Overview

Remote Archive Maintenance Overview

Remote Archive Maintenance is a searchable queue for all inbound and outbound documents associated with remote transactions, such as XML or EDI.

Note: The current release supports only XML documents in the Remote Archive Maintenance Queue.

Generally each remote transaction consists of an incoming and outgoing document in the archive.

If your system...	The archive contains...
initiates the transaction	an <i>outgoing</i> document corresponding to the transaction type, such as a purchase order you send to a vendor. The archive also contains an <i>incoming</i> response document, such as a purchase order response.
receives the transaction	an <i>incoming</i> document corresponding to the transaction type, such as a sales order. The archive also contains an <i>outgoing</i> response document, such as a sales order response.

See Also:

Viewing Archived Documents for Remote Transactions

Reprocessing Remote Archived Documents

Viewing Archived Documents for Remote Transactions

As your company receives and sends remote transactions, the system archives each transaction document. Using Remote Archive Maintenance, you can search and view the documents and drill down to the Eclipse-related transaction, such as a purchase order.

Use Remote Archive Maintenance to complete the following tasks:

- View archived documents.
- View or edit a remote document's transmission.
- View or edit transactions in Eclipse that are associated with the remote document.

To reprocess documents from Remote Archive Maintenance, see [Reprocessing Remote Documents](#). To remove XML documents from the archive, use the purge routine located on **Files > Merge/Purge** menu in Eclipse.

Note: The current release supports only XML documents in Remote Archive Maintenance.

▶ To view documents in Remote Archive Maintenance:

1. From the **System > Custom** menu, select **Remote Archive Maintenance** to display the Selection Criteria screen.
2. In the **Start Date** field and **End Date** field, enter the first and last dates in the range for which to display documents in the archive.

For example, to see all the documents that were received or transmitted from April 1, 2004 to April 15, 2004, enter **04/01/04** in the **Start Date** field and **04/15/04** in the **End Date** field.

The fields default to the date one week before the current date and to the current date.

3. Enter any additional, optional selection criteria in the remaining fields to filter the documents displayed in the archive.

Field	Description
Remote Type	The type of remote documents you want to view, such as XML or EDI. Note: The current release supports only XML documents in Remote Archive Maintenance.
In/Out	The document type to display. Press F10 and select Incoming or Outgoing . Leave this field blank to include both incoming and outgoing documents.

Field	Description
Search String	Any word, phrase, or numerical value within a document. For example, if you want to see only documents that contain a specific product, enter that product here. The system searches the document transactions for that string.
Trading Partner	The customer or vendor for which to display documents in the archive. For example, if you want to see only documents for Joe's Electrical Supply, enter the name in this field to limit the archive display to documents sent to or received from Joe's Electrical Supply. Leave this field blank to include documents from all your vendors and customers.
Source	A portal, marketplace, or specification for which to display documents in the archive. For example, if you want to see only documents from a single source, enter the source name to limit the archive display to include only those documents. Leave this field blank to include documents from all sources.
Transaction	The transaction type for which to display documents in the archive. For example, if you want to see only documents that are purchase order responses, enter the type to limit the archive display to include only those documents. Leave this field blank to include all document types.

4. Press **Esc** to display the Remote Archive Maintenance screen with the documents that match your search criteria.

The screen displays details about each document the system sent or received.

Field	Description
Trading Partner	The customer or vendor to which or from which the document was sent or received.
Transaction	The transaction type, such as a vendor order acknowledgement, vendor order submit, or customer invoice.
Source	The document sender, if the document is not sent to or received from a customer or vendor. For additional information, see Adding Source Distinctions to XML Transaction Maps.
* (Archive Type)	The document type, inbound or outbound: <ul style="list-style-type: none"> • I(Inbound) – A document the system received. If the Eclipse system initiated the transaction, an incoming document is typically a response from the receiving source. • O(Outbound) – A document the system sent. If your trading partner initiated the transaction, the outgoing document is typically an Eclipse system response to the sending source. Each transmission typically contains both an incoming and an outgoing document.
Type	The remote type, such as XML or EDI. Note: The current release supports only XML documents in Remote Archive Maintenance.

Field	Description
Date	The date the document was received or sent.
Time	The time the document was received or sent.

Note: To refine or change your search, use the **Select** hot key and enter new search criteria.

▶ **To view or edit a remote document's transmission:**

1. View documents in Remote Archive Maintenance.
2. Move your cursor to the document you want to view.
3. Use the **Detail** hot key to display the Remote Archive Detail screen with the document as it was received or sent to or from the Eclipse system.

Note: Use this function to identify potential problems that are causing a document to not process correctly. Reprocess the document, if necessary.

4. Press **Esc** to return to the Remote Archive Maintenance screen.

▶ **To view or edit transactions in Eclipse associated with the remote document:**

1. View documents in Remote Archive Maintenance.
2. Move your cursor to the transaction you want to view or edit.
3. Do one of the following:
 - Use the **View** hot key to open the transaction in view-only mode. For some transactions, such as a stock inquiry, select the inquiry type, such as Future Ledger, History Ledger, or Product Maintenance.
 - Use the **Edit** hot key to open the transaction in edit mode. Select the item you want to edit from the list.

Note: The **View** and **Edit** hot keys look for any order number, customer number, or part numbers in a document and provide links to the Eclipse data from the remote archive.

See Also:

Reprocessing Remote Archived Documents

Remote Archive Maintenance Overview

Reprocessing Remote Archived Documents

Remote transactions are typically two-way transactions. For each received transaction, the system generates a response and sends it back to your trading partner to acknowledge the receipt. You might find that some documents transmit unsuccessfully, for example, because a password failed. In which case, you can reprocess the document data as it was originally received after making changes in the Eclipse system.

Note: You can only reprocess documents that you received from a customer or vendor. You cannot reprocess documents from Remote Archive Maintenance that you sent to a customer or vendor.

► To reprocess remote archived documents:

1. View documents in Remote Archive Maintenance or the Remote Error Review Queue.

Note: You can also reprocess remote documents from the Remote Order Acknowledgment Review Queue, Remote Advanced Ship Notice Review Queue, and the Remote Invoice Review Queue.

2. Select the document to reprocess.
3. Use the **Detail** hot key to display the Remote Archive Detail screen.
4. Use the **Requeue** hot key to reprocess the document.

See Also:

Remote Archive Maintenance Overview

Viewing Archived Documents for Remote Transactions

Application Server Logging and Error Notification Overview

The application server records all Business Connect XML messages about activity and communications to a log file called `eclipseinc.log` located in the `$<APPLICATION SERVER HOME>/server/default/log` directory.

The default configuration of each message in the log provides the following information:

- Date and time the log message was generated, in the following format: YYYY-MM-DD HH:MM:SS,MS.
For example, 2004-04-01 14:03:50,771
- The logging level, such as Debug, Info, Warn, Error, or Fatal.
- The name of the Java class that logged the message. For example, `com.eclipseinc.jca.uv.impl.UVManagedConnectionFactory.UVConnection`
- The actual error message. For example, Binding object `'com.eclipseinc.jca.uv.impl.UVConnectionFactoryImpl@8ca8ac'` into JNDI at `'java:/UVConnection'`

A single message in the log looks similar to the following, and can be contained all on one line:

```
2004-04-01 14:03:50,771 DEBUG
[com.eclipseinc.jca.uv.impl.UVManagedConnectionFactory.UVCo
nnection] Binding object
'com.eclipseinc.jca.uv.impl.UVConnectionFactoryImpl@8ca8ac'
into JNDI at 'java:/UVConnection'
```

Note: You can configure the rolling schedule and the log statement layout to meet your business needs. See [Configuring the Application Server Logging Parameters](#) for additional information.

When the log file reaches its maximum size limit of 2 MB, the system changes the `eclipseinc.log` file to `eclipseinc.X.log` where X is the rollover level. Each time you restart the server, the system starts a new log file; however, it does not clear or delete any `eclipse.X.log` files.

Logging Levels

You can set the application server to log only certain types of messages. The following logging levels are available:

- Debug
- Info
- Warn
- Error
- Fatal

The Debug level logs the most messages, and is the default logging level for Business Connect XML. The logging hierarchy is inclusive from top to bottom as it is listed above. That is, the Debug level includes information that would be logged at the Info, Warn, Error, and Fatal levels. If you change the logging level to Warn, the system logs the Warn, Error, and Fatal messages, but does not log Info and Debug messages. The following types of messages are logged at each level:

Logging Level	Description
Debug	The Debug level is useful for programmers and provides detailed information about system activity.
Info	The Info level provides information about system activity, such as when the server starts and ends a transaction.
Warn	The Warn level logs messages when the server experiences a questionable program state that does not stop processing.
Error	The Error level logs messages when other systems throw exceptions. The system uses this logging level when it encounters errors within the Business Connect XML application, such as when it receives invalid characters in incoming XML documents or other encounters other errors that cause a transaction to not complete properly, but that are not severe enough to stop other transactions from processing.
Fatal	The Fatal level logs messages when the server encounters a problem that causes it to stop processing requests. This logging level includes fatal communication errors between the application server and the Eclipse system and application fatal errors, such as file permission errors on library or configuration files.

See Also:

Configuring the Application Server Logging Parameters

Configuring the Application Server Logging Parameters

The Business Connect XML application uses the log4j logging engine. We recommend that you not make significant changes to how logging works on your application server. Changing the configuration can have negative impacts on how the Business Connect XML application's logging operations work.

However, you can change parameters such as roll schedules to meet your business needs and identify e-mail addresses to which the server sends notifications if the application server encounters an error that prevents a request from completing (typically data or system failures).

For e-mail notifications, the application server must have visibility to a mail server. Eclipse does not set this e-mail server up for you.

Important! You must be familiar with the log4j engine before changing the logging configuration. See <http://logging.apache.org/log4j/docs/manual.htm> for information about the log4j engine or contact Eclipse Technical Support for assistance.

Configuring Basic Logging Information

The eclipseinc.log file is set up to roll when it reaches the maximum size limit of 2 MB. It is also set up to roll each night at midnight, thus starting a fresh log for each business day. If the log reaches 2 MB during one day, the log rolls when it reaches 2 MB and at midnight each day. You can change the logging configuration to not create a new log file for each day. You can also change the configuration so the server creates a new log file at the top of each hour.

Note: Although you can also change the layout of the actual error message, we recommend that you use the default error message set up during your implementation of the Business Connect XML application. Changing the message layout can cause logging messages to contain no information.

► To configure the log roll schedule:

1. Open the **log4j.xml** file in the `$<APPLICATION SERVER HOME>/server/default/conf` directory and locate the following part of the XML. The areas of the XML that you will be changing are highlighted in **bold** below:

```
<appender name="APPLICATION"
class="org.jboss.logging.appender.DailyRollingFileAppender">
    <errorHandler class="org.jboss.logging.util.OnlyOnceErrorHandler"/>
    <param name="File" value="{jboss.server.home.dir}/log/eclipseinc.log"/>
    <param name="Append" value="false"/>

    <!-- Rollover at midnight each day -->
    <param name="DatePattern" value="'.yyyy-MM-dd'"/>
```

```
<layout class="org.apache.log4j.PatternLayout">
<!-- The default pattern: Date Priority [Category] Message\n -->
<param name="ConversionPattern" value="%d %-5p [%c] %m%n"/>

    <!-- The full pattern: Date MS Priority [Category] (Thread:NDC) Message\n
<param name="ConversionPattern" value="%d %-5r %-5p [%c] (%t:%x)
%m%n"/>

    -->
</layout>
</appender>
```

2. Do one of the following to change the log roll schedule:

To...	Do This...
create a new log file only when it reaches the maximum size limit	delete the line in red above: <pre><param name="DatePattern" value="'.yyyy-MM-dd"/></pre> Add this line back to this location if you want to roll the log at midnight every night.
to create a new log at the top of every hour	add the following text under the section that controls the daily rollover: <pre><!-- Rollover at the top of each hour <param name="DatePattern" value="'.yyyy-MM-dd-HH"/> --></pre>

3. Save your changes and exit the file.

Configuring E-Mail Notifications

You can change the following e-mail notification parameters to indicate who in your company receives notifications by e-mail if the application server encounters an error within the Business Connect XML application or the application server itself.

- The e-mail address to which the server sends notifications of messages logged at the Error and Fatal logging levels, and the sent from e-mail address. These logging levels include fatal communication errors between the application server and the Eclipse system and application fatal errors, such as file permission errors on library or configuration files.
- The subject line of the error notification e-mails.
- The e-mail server through which messages are routed.

To change these settings, open the **log4j.xml** file in the \$<APPLICATION SERVER HOME>server/default/conf directory, locate the following part of the XML, and follow the instructions below. The areas of the XML that you will be changing are highlighted in **bold** below:

```

<!-- EMail events to an administrator -->
  <appender name="SMTP" class="org.apache.log4j.net.SMTPAppender">
    <errorHandler class="org.jboss.logging.util.OnlyOnceErrorHandler"/>
    <param name="Threshold" value="ERROR"/>
    <param name="To" value="johndoe@abc123.com"/>
    <param name="From" value="johndoe@abc123.com"/>
    <param name="Subject" value="Eclipse Inc. ECommerce Application
    Errors"/>
    <param name="SMTPHost" value="SDEX06.eclipseinc.com"/>
    <param name="BufferSize" value="10000"/>
    <layout class="org.apache.log4j.PatternLayout">
      <param name="ConversionPattern" value="[%d{ABSOLUTE}],%c{1}]
      %m%n"/>
    </layout>
  </appender>

```

Note: Although you can also change the layout of the actual error message, we recommend that you use the default error message set up during your implementation of the Business Connect XML application. Changing the message layout can cause logging messages to contain no information.

► **To change the e-mail addresses:**

1. In the **log4j.xml** file detailed above, locate the following lines:

```

<param name="To" value="johndoe@123abc.com"/>
<param name="From" value="johndoe@123abc.com"/>

```

2. Update the e-mail address in the **To** parameter to the address to which you want error notifications sent.
3. Update the e-mail address in the **From** parameter to the address from which you want error notification sent.

Note: You can enter multiple e-mail addresses in the **To** and **From** parameters. Use a semi-colon (;) to separate the addresses.

4. Save your changes and exit the file.

►To change the e-mail subject line:

1. In the **log4j.xml** file detailed above, locate the following line:

```
<param name="Subject" value="Eclipse Inc. ECommerce Application Errors"/>
```
2. Change the text in quotation marks to the text that you want to display in the subject line of error notification e-mails.
3. Save your changes and exit the file.

Changing the Logging Level

You can set the application server to log only certain types of messages. For more information about the available logging levels, see [Application Server Logging and Error Notification Overview](#).

You can change the logging level if necessary to capture more or less information.

Important! We recommend that only Eclipse personnel change the logging level.

►To change the logging level:

1. Open the **log4j.xml** file in the `$(APPLICATION_SERVER_HOME)/server/default/conf` directory and locate the following part of the XML. The areas of the XML that you will be changing are highlighted in **bold** below:

```
<category name="com.intuit">  
    <priority value="WARN"/>  
    <appender-ref ref="APPLICATION"/>  
</category>
```
2. Change the **Priority Value** parameter to a different logging level, as described in [Application Server Logging and Error Notification Overview](#).
3. Save your changes and exit the file.

See Also:

[Application Server Logging and Error Notification Overview](#)

Troubleshooting XML Transaction Processing

The following troubleshooting information contains solutions to potential problems you might encounter when processing XML transactions through your system using Business Connect XML. If the information you are looking for is not available here, send an e-mail to Eclipse.documentation@activant.com. We will consider your feedback for future releases of the Business Connect XML documentation.

Contact Eclipse Technical Support if you need additional assistance resolving your problem.

Problem	Indications	Solutions
<p>System cannot identify customer sending XML documents.</p>	<ul style="list-style-type: none"> • Errors in XML Poster. • "Entity Not Found" error in the Eclipse message system when the system receives an XML document. Eclipse messaging for the customer must be defined. • The system sends the XML document to the Remote Error Review Queue. 	<p>If the system cannot identify the customer, it cannot complete the transaction. Customers are identified by Eclipse customer ID and e-commerce IDs in the ship to or bill to customer record.</p> <ol style="list-style-type: none"> 1. Verify that unique customer identifier information is mapped to the Eclipse ShipTo or BillTo element within the transaction map associated with the XML document. If neither element has data mapped to it, map the identifying information, such as a customer number, and retest the transaction using the XML Poster. 2. If the ShipTo or BillTo elements in Eclipse are mapped and the transaction still does not process, right-click the mapped element and select Modify Mapping to view the data modifications assigned to the element. <p>Verify that the data being sent and any modifications to the data match either the customer ID number in Eclipse or one of the customer's e-commerce IDs. Typically, an e-commerce ID is an alphanumeric combination. If your customer is sending only a numeric customer ID, you can use the concatenate operation to add the alpha portion of the ID.</p> <p>Also verify that the mapping selection criteria is set to identify the customer by the information in the ShipTo of Billto element.</p> <p>Make any required changes to the customer record and the transaction map, save each, and retest the transaction using the XML Poster.</p>

Problem	Indications	Solutions
System not matching products correctly on XML orders.	Remote XML orders contain the wrong products.	<p>The system matches products based on what is mapped in the transaction map, and follows the product matching hierarchy.</p> <ol style="list-style-type: none"> 1. Check the order change log to verify that the order was created automatically. 2. View the content of the XML document in Remote Archive Maintenance to identify the requested part number. The product part number is located in the Item Detail section of the XML document. 3. Open the transaction map and determine if the item description is mapped to an element in Eclipse. If it is mapped, then the system is searching for the product by description, not by part number. 4. Open the product record in Eclipse and determine if the description matches the product description sent in. If so, the system is correctly matching this product to the request from your trading partner. 5. Change the transaction map to map the incoming product description to the ItemComments element. Now, the system will not search on the product, but saves the information. 6. Save the transaction map and retest the transaction using the XML Poster.
System not adding products to XML orders.	Products sent in an XML order document are not included on the system-generated order.	<p>If products sent in an XML document are not included in the system-generated order, the system cannot find a match in your system for the requested product.</p> <p>Ensure that you have a B2B Product Not Found product defined and that the product is identified in the IDMS-XML Default Part # Used For Creating A Nonstock Item control maintenance record. When these two items are set up, retest the transaction using the XML Poster. Any items the system cannot match are added to the order with the product description you define in the product not found product record.</p>
System reporting errors in the message system for the remote order review user when the XML contained no errors	Receive a message similar to the following in the Eclipse message system: 08/16/04 04:24pm BCS xCustomer has created order number S1111111 through Eclipse Business Connect Suite with 2 Error(s).	If the system successfully creates an order, it sends a system message to the remote order review user for the customer. However, the system can successfully create an order and still identify errors, such as not finding matching products. The system message indicates notifies the reviewer that the order cannot ship correctly and requires review.

Problem	Indications	Solutions
XML orders contain the wrong pricing information.	<ul style="list-style-type: none"> • Pricing information on the order is from Eclipse, not from the trading partner. • Pricing information on the order is from the trading partner's system, not from Eclipse. 	<p>If the order uses pricing information from Eclipse, the customer record's Use Partner Pricing field is set to No, and the system uses the pricing information available in Eclipse. If you want to use the trading partner's pricing information, set the pricing variance for the customer.</p> <p>If the customer record's Use Partner Pricing field is set to Yes, the system uses the pricing information within the variance that you define on system-generated orders. If the pricing information on the order is from the trading partner, disable the flag and retest the transaction:</p> <ol style="list-style-type: none"> 1. Check the order change log to verify that the order was created automatically. 2. View the content of the XML document in Remote Archive Maintenance. Identify the pricing information sent in the order. 3. Open the customer record and use the Remote hot key and then the WOE Info hot key to display the B2B/WOE Remote Order Entry Parameters screen. 4. Use the IDMS hot key to display the IDMS-XML Parameters screen. 5. In the Use Partner Pricing field, enter N and save the customer record. 6. Retest the transaction using the XML Poster.

See Also:

Troubleshooting XML Transaction Map Creation

Troubleshooting XML Transaction Map Creation

The following troubleshooting information contains solutions to potential problems you might encounter when creating XML transaction maps using the Business Connect XML mapping utility. If the information you are looking for is not available here, send an e-mail to Eclipse.documentation@activant.com. We will consider your feedback for future releases of the Business Connect XML documentation.

Contact Eclipse Technical Support if you need additional assistance resolving your problem.

Problem	Indications	Solutions
Cannot add a trading partner in the mapping utility.	"No entity found" error displays.	The trading partners that you add to the Trading Partner Tree must have a customer or vendor record defined in Eclipse. Type part of the customer or vendor name and click the Down Arrow to search.
Cannot draw a connection between Source XML and Target XML.	No line is drawn from the source element to the target element.	Select the element in the Source XML column you want to map. Click the element again and drag the mouse to the element in the Target XML column.
Cannot drag an operation to operation stack.	The operation is not added to the Operation Stack field in the XML Mapping Conversion Editor dialog box.	Select the operation you want to add from the operation list. Click the operation again and drag the mouse to the operation stack.
Files and fields added to XML database schemas are not available in the mapping utility.	The Source XML or the Target XML that contains the data elements for Eclipse does not contain the files and fields added in XML Schema Maintenance.	Stop and restart the JBoss server.

See Also:

Troubleshooting XML Transaction Processing

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