



commission junction

Data Transfer Guide

Advertiser Action Data

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Contents

OVERVIEW.....	1
ADVERTISER CHECKLIST TO ENABLE DATA TRANSFER	2
Step 1: Accepting Our Data	2
URL/Code Examples.....	2
Name-Value Pairs Passed to Advertiser Destination URL	3
Step 2 – Action Referral Period	3
Destination Changes	4
SUBSCRIPTION SET-UP OVERVIEW	4
CONTACTING COMMISSION JUNCTION	4
SUPPORTED TRANSFER METHODS	5
<i>Transfer Overview (email and Commission Junction FTP)</i>	<i>5</i>
<i>Transfer Overview (Client FTP, HTTP and HTTPS)</i>	<i>5</i>
CONTENT GUIDELINES.....	6
Character Sets.....	6
Header Fields.....	6
Body Fields.....	8
FORMAT GUIDELINES.....	11
Pipe-delimited.....	11
<i>Standard Commissions</i>	<i>11</i>
<i>Item-based Commissions</i>	<i>11</i>
Tab-delimited.....	11
<i>Standard Commissions</i>	<i>11</i>
<i>Item-based Commissions</i>	<i>11</i>
Comma-delimited (CSV)	12
<i>Standard Commissions</i>	<i>12</i>
<i>Item-based Commissions</i>	<i>12</i>
Requirements for Delimited (Pipe, Tab and Comma) Formats.....	12
XML.....	13
Requirements for XML Formats	13
XML Requirements for Item-based Format Only	14
DATA FILE EXAMPLES.....	15
Pipe-delimited.....	15
<i>Standard Commissions</i>	<i>15</i>
<i>Item-based Commissions</i>	<i>15</i>
Tab-delimited.....	15
<i>Standard Commissions</i>	<i>15</i>
<i>Item-based Commissions</i>	<i>15</i>
Comma-delimited	16
<i>Standard Commissions</i>	<i>16</i>

<i>Item-based Commissions</i>	16
<i>Placeholder Summary (for pipe, tab and comma-delimited formats)</i>	16
Character Sets in XML	17
<i>Standard Commissions</i>	17
<i>Item-based Commissions</i>	18
DATA SECURITY CONFIGURATION	20
Data Security Overview	20
Getting Started	20
Security Key Exchange	21
Clearsigning	21
Data Signing and Encryption	21
TRANSFERRING YOUR DATA FILE	22
Commission Junction FTP	22
SFTP with SSH Authentication	22
Client FTP	23
Client HTTP/HTTPS	23
Email.....	23
RESULTS REPORT	23
<i>Example 1: Transfer Confirmed, No Errors (Product Catalog File)</i>	25
<i>Example 2: Transfer Rejected, Contains Some Errors (Product Catalog File)</i>	25
<i>Example 3: Transfer Rejected, Many Errors (Correction File)</i>	26
VIEWING SUBSCRIPTION INFORMATION	28
TRACKING COMPLIANCE AND ADVERTISER RESPONSIBILITY	29
APPENDIX A: SUPPORTED SALES TRACKING CURRENCIES	30
APPENDIX B: HTTPS USE AND ACCEPTABLE CERTIFICATE AUTHORITIES .	32

Overview

Commission Junction's data transfer system enables advertisers to track qualified publisher-referred actions on their system, and transfer this data to Commission Junction on a scheduled basis.

This document provides an overview of the steps involved in setting up a data transfer subscription and transferring your data to Commission Junction.

Note: In addition to meeting the requirements outlined in this document, you must sign and return the Advertiser Service Agreement addendum at http://www.cj.com/downloads/tech/data_transfer_addendum.pdf to be authorized to implement action data transfer in the CJ Marketplace. Please print, complete, and fax the form (attn: Sales) to 805-730-8001.

The following diagram illustrates the typical action data transfer process flow.

Publisher Web Site	-->	Step 1: Visitor clicks on Commission Junction publisher tracking link establishing contact with the Commission Junction tracking server.	-->	Commission Junction Tracking Server
Advertiser Web Site	<--	Step 2: Commission Junction sends visitor to advertiser site, AID, PID and SID name-value pairs are passed to advertiser script in the query-string. Advertiser captures this data and internally tracks it to a confirmed action in their system.	<--	
	-->	Step 3: Advertiser transfers secure file containing all publisher-referred actions to Commission Junction.	-->	
	<--	Step 4: Commission Junction sends an import receipt confirmation email, processes the transaction file and returns a results report to the subscription email address.	<--	

Advertiser Checklist to Enable Data Transfer

This section outlines the information and required steps for advertisers before Commission Junction can process their action data.

Step 1: Accepting Our Data

Your system must be able to accept the variables and values we pass over through the query-string. You can create specific URLs on your system to capture these parameters, or set up your system to enable all pages in your domain to capture these parameters (which offers more linking flexibility for publishers).

When a user clicks on one of your links on a publisher site, Commission Junction passes AID, PID and SID variables and corresponding values to the destination URL you specified in *CJ Account Manager > Manage Links* for this specific link.

It is important for your integration technician to clearly explain the importance of maintaining valid destination URL's for the links in the account to the person responsible for running and managing the account. You must be able to identify the AID, PID and SID data after a commissionable action occurs on your system to know that it was a publisher-referred action.

URL/Code Examples

Example 1: Advertiser Link Destination URL

This example assumes that the advertiser has set up a unique destination page for publisher-referred users. The text in brackets is meant as a placeholder for a given domain in the code.

```
http://[ADVERTISER WEB SITE DOMAIN]/cj.asp
```

Example 2: Code a Publisher Pulls from Commission Junction System for Placement on Web Site

```
<a href="http://[CLICK DOMAIN]/click-1122567-9876543?sid=shopperID234324">
```

Note: In the above example, [CLICK DOMAIN] is a placeholder for a rotating set of click domains Commission Junction provides dynamically. Any of several domains could appear in link code at the time it is accessed by a publisher.

Example 3: Resulting Destination URL after the Above Link is Clicked by User

```
http://[ADVERTISER WEB SITE DOMAIN]/cj.asp?AID=9876543&PID=1122567&SID=shopperID234324
```

Name-Value Pairs Passed to Advertiser Destination URL

Name of Value	Description	Required Field	Value Example
AID	<ul style="list-style-type: none"> ▪ Link/Ad ID ▪ Numeric value ▪ Commission Junction-assigned ▪ Passed to your destination URL ▪ Maximum 15-character numeric length (the system is not currently using this length, but can scale to additional characters). 	Yes	9876543
PID	<ul style="list-style-type: none"> ▪ Publisher Web Site ID ▪ Numeric value ▪ Commission Junction-assigned ▪ Passed to your destination URL ▪ Maximum 10-character numeric length (system can scale to this length). 	Yes	1122567
SID	<ul style="list-style-type: none"> ▪ Shopper ID ▪ Alphanumeric value ▪ Publisher-assigned ▪ Maximum 64-character alphanumeric length (Commission Junction truncates after the 64th character) 	Yes Publishers are not required to pass this value, but your system must be able to accept it.	Shopper827374y5

Step 2 – Action Referral Period

The action referral period is the amount of time you allow your cookies to remain active on your publishers' sites. Commission Junction is able to credit a referring publisher for a configurable tracking duration period. This means that if a publisher refers a visitor to your site, a tracking cookie is set on that visitor's machine. Then, if that same visitor decides to buy something at your site or fill out a lead form within the life span of the cookie, the referring publisher will still get credit for the referral.

The standard referral period is 45 days; however, the cookie can be set from between 1 and 120 days. Please make sure your system is in compliance with your chosen referral period, as well as your action referral occurrences setting (number of times you will pay a commission to a publisher for the same cookie during its referral period). Both of these settings are made when adding/editing an action in your *CJ Account Manager>Program Settings*.

For example: If you set up a unique destination page in your system to capture our parameters, it is important for you to ensure that if a user lands on this page and returns 20 days later to your primary domain (not this unique page), you identify them as a publisher-referred user. To achieve this, you set a 45-day referral period for these users when they land on your unique page. If the user later returns to any page in your domain, your system reads the cookie data and identifies the publisher-referred user. You can also achieve this by using and storing session data if this method could not be implemented on your system.

Destination Changes

If you require users to access a unique entry page, ensure that the Allow Link Destination Changes checkbox is de-selected when adding or editing banners or text links in your *CJ Account Manager*>*Manage Links* area.

Subscription Set-up Overview

Once you have read the checklist and configured your system and program accordingly, you may work with Commission Junction to set up your data transfer subscription. The file must contain certain values in a specific format to be recognized by the Commission Junction system. These values and other settings are part of your subscription, which determines the data transfer specifications. Additionally, Commission Junction configures your data format and transport method of your data transfer results to the recommended default. Commission Junction contacts you to obtain the necessary information to configure your subscription.

Contacting Commission Junction

For assistance, please contact Technical Support by accessing the **Contact Us** hyperlink in your *CJ Account Manager*. In the pop-up window, click the **Go** link in the Ask a Question area. Select the category from the following list of choices.

Information	Selection
Data Transfer Requests (except re-integration)	<i>Data Transfer</i> > <i>Data Transfer Request</i>
Re-Integration Requests	<i>Action Integration</i> > <i>Action Integration</i>
Data Transfer General Questions	<i>Data Transfer</i> > <i>Data Transfer Q&A</i>
Product Catalog Data Requests	<i>Data Transfer</i> > <i>Product Catalog</i>
Item List Requests	<i>Data Transfer</i> > <i>Data Transfer Request</i>

Note: (Regarding Re-Integration) If you are currently integrated in the CJ Marketplace and switching from standard to item-based data transfer, ensure your tracking allows for the 7-day period in which publishers may decide whether to accept the new terms associated with the action change.

For example, a publisher can refer standard actions for the first 3 days of the 7-day period, accept the new program terms on day 4, and refer item-based actions thereafter. Your data file submissions for this period must include data for both actions—in essence, a double reporting of action data. The Commission Junction system determines which records in your data files are applicable and disregards the remainder. This ensures that all referred actions are properly credited.

Supported Transfer Methods

Once your data is collected, reviewed and formatted to Commission Junction specifications, your data can be transferred in an ASCII file to Commission Junction via one of the following methods:

- **email:** Advertiser emails data file to Commission Junction. Commission Junction FTP: Advertiser transfers file via FTP to Commission Junction FTP server.
- **Client FTP:** Advertiser makes file available on client FTP server for Commission Junction to access.
- **HTTP/HTTPS:** Advertiser makes file available at a specific URL for Commission Junction to access.

Note: Export files are left on the CJ FTP/HTTP/HTTPS server for 31 days. Successful import files are archived for 45 days (3 days for products). Unsuccessful (error) import files are archived for 31 days (3 days for products).

Transfer Overview (email and Commission Junction FTP)

Advertiser	-->	Step 1: Advertiser transfers data file via email or FTP. Commission Junction system processes data.	-->	Commission Junction
	<--	Step 2: Commission Junction system sends an import receipt confirmation email, processes the transaction file and returns a results report to subscription email address.	<--	

Transfer Overview (Client FTP, HTTP and HTTPS)

Advertiser	-->	Step 1: Commission Junction system retrieves data file from advertiser FTP server or HTTP/HTTPS address and processes data.	-->	Commission Junction
	<--	Step 2: Commission Junction system sends an import receipt confirmation email, processes the transaction file and returns a results report to subscription email address.	<--	

Note: Your ASCII file must contain specific values and formatting to be processed by the Data Transfer system. Refer to Content Guidelines and Format Guidelines for specifications.

Content Guidelines

Character Sets

Commission Junction supports the following default character set for transferred files:

- Microsoft Codepage 1252 (includes 7-bit ASCII, ISO Latin 1, and several additional characters)

Commission Junction supports a handful of other character sets in addition to Codepage. For delimited formats (pipe, tab or comma), the header of the file must contain an ENCODING field to enable our system to process a non-default character set (see table below). For XML format, a non-default character set must be specified before the file's header (see Data File Examples).

Header Fields

The following table lists the header fields (both required and optional) and ordering that are supported for inclusion in your ASCII file you transfer to Commission Junction.

Field	Description	Required
CID	The advertiser's account number with Commission Junction. Example: 2539845	Yes
SUBID	The advertiser's subscription ID for transfer. Example: 143	Yes
CURRENCY	Three-character code representing the currency in which your file's actions should be processed. Only enter this field if you wish to specify a currency other than your account's functional currency. Refer to Appendix A for the most current list of supported currency codes. Note: If you do not specify a code, product prices display in US dollars (USD).	No
DATEFMT	The date format of the Event Date value. The default US format is MM/DD/YYYY HH12:MI PM. A date string of 21-JAN-2004 16:32, for example, requires a date format of DD-MON-YYYY HH24:MI. Note: Future dates are not accepted by the data transfer system. Use the following place holders to build the format string: <ul style="list-style-type: none"> ▪ YYYY Year in four digits ▪ YY Year in two digits ▪ MM Month in two digits (01=January, 12=December) ▪ DD Day in two numeric digits (01-31) ▪ MON Three letter abbreviation for month (JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC) ▪ MONTH Complete spelling of month (January, February, March, April, May, June, July, August, September, October, November, December) ▪ HH24 Hour in two digits (00-23) ▪ HH12 Hour in two digits (01-12) Needs AM or PM in addition 	No (Only required if specifying a format other than default: U.S.)

	<ul style="list-style-type: none"> ▪ PM Place holder for AM or PM ▪ MI Minutes in two digits (00-59) ▪ SS Seconds in two digits (00-59) 	
ENCODING	<p>The character set to which your data conforms. This field applies to delimited formats only, not XML. Any characters outside of the specified character set return a processing error. If you only provide characters that fall within the default set (Microsoft Codepage 1252, including ISO Latin 1 and 7-bit ASCII)—and do not require strict adherence to a particular set—this field is optional. Supported values include:</p> <ul style="list-style-type: none"> ▪ UTF-8: Eight-bit Unicode Transformation Format, restricted to BMP (including all Unicode characters up to code point 65535) ▪ ISO-8859-1: ISO Latin 1 ▪ ISO-8859-15 ▪ Cp1252: Microsoft Codepage 1252 ▪ US-ASCII: 7-bit ASCII 	No

Body Fields

The following table lists the body fields (both required and optional) and ordering that are supported for inclusion in your ASCII file. Please note the following:

- You must provide these placeholders in your file, even if they have no corresponding values. Additionally, these must appear in the following order: AID, PID, CID, AMOUNT/ITEM, TYPE, SID, DATE and OID.
- The data format requirements vary slightly, depending on whether an action utilized standard or item-based commissions. Item-based commissions, which enable custom commission rates for various products/services in an advertiser's program, require an advanced integration with Commission Junction. The AMOUNT / ITEM row outlines this variation. Read the table carefully to ensure compliance.
- **Tracking the SID Value:** Many publishers offer the Shopper ID (SID) value as a benefit to their shoppers. This information must be included in the data files you transfer to Commission Junction. For an example of data submissions that include SID values, see the Data File Examples section later in the document.
- **Discount Tracking (optional):** You may track whole order discounts for both simple and item-based orders, and you may track item discounts for item-based orders. Tracking item discounts requires you to add discount information to the AMOUNT / ITEM field. Tracking whole order discounts requires you to add an additional discount field after the OID field. See the Item Discount and Whole Order Discount sections below for more information.

Note: Do not include characters in your data that break your import format (e.g., CSV data including commas, TAB data including tabs, etc.).

Field	Description	Example
AID	Ad ID that is passed in the click-through to the advertiser site. (This value is empty if TYPE=BONUS.)	9876543
PID	Publisher Web site ID.	1122567
CID	The same as the CID in the header (i.e., the advertiser account number).	2539845
AMOUNT / ITEM	<p>Depending on whether an action utilized standard or item-based commissions, this value is: (standard commissions): the subtotal amount of a sale- or lead-based action, or the total amount for a bonus payment or (item-based commissions): item-based data for the action In either case, the data you provide must correspond to the associated Action ID.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note: All currency values must be provided in a numerical format, with a decimal point as needed. If not specified, products default to the advertiser's functional currency. No other characters, such as dollar signs (\$) or commas (,), are supported.</p> </div> <p>Please use the following guidelines as they apply to the data you are transferring (standard or item-based). Complete delimited and XML examples are provide later in the document.</p> <p>AMOUNT (standard commissions) Requirements for all formats (delimited and XML) The amount value must be provided in a format consistent with the note above.</p> <p>ITEM (item-based commissions) Requirements for all formats (delimited and XML)</p> <ul style="list-style-type: none"> ▪ Provide Item ID, amount and quantity values for each item involved in an action. ▪ The Commission Junction system supports an alphanumeric string for the Item ID value. It need not be an actual ID number, depending on an advertiser's needs. For instance, an advertiser can choose to enter the same value in the Item ID and Item Name fields when adding items in the Item Lists area—or omit the Item Name altogether (optional) and use the Item ID as a name. ▪ The Item ID value you provide in your file must exactly match the value entered in the Item Lists area, including case sensitivity (e.g., "backpack" cannot be submitted as "BACKPACK"). ▪ Item ID values must be less than or equal to 100 characters, and may not contain semicolons. ▪ Amount values must follow the format described in the note on the previous page. In item-based format, the amount value represents the amount per item, not the subtotal. For instance, a quantity of 2 items sold at 10.47 each would require an amount value of 10.47 in your file (not the subtotal of 20.94). ▪ Quantity values must be integers greater than or equal to 1. <p>Requirements for displaying the values are provided in the next section.</p>	Item-based commissions: Item ID: 5125sku Amount: 10.47 Quantity: 2

<p>Item Discount (optional)</p>	<p>This is an optional value used to track item discounts for item-based orders. To properly track this type of discount, the item discount value is incorporated at the end of the ITEM / AMOUNT field.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Important: The item discount amount applies to the set of items, not to individual items. For example, an order with a quantity of 2 items and an item discount amount of 2.55 distributes the 2.55 discount amount across the 2 items.</p> </div> <p>Note: You may also use this value in conjunction with the Whole Order Discount field to track orders which utilize both item and whole order discounts.</p>	<p>Item ID: 5125sku Amount: 10.47 Quantity: 2 Item Discount: 2.55 Example: 5125sku;10.47;2;2.55</p>
<p>TYPE</p>	<p>This value determines the commissions you pay for the associated action. It is either the Commission Junction-assigned Action ID*, or "BONUS" to represent a bonus submission. (Action IDs are not assigned to bonuses.) The Data File Examples section shows the typical format.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note: Prior to 10/15/2002, advertisers were integrated using such TYPE values as SALE and LEAD instead of Action ID numbers. These advertisers are advised to use the Action ID to take advantage of new features and increased security.</p> </div>	<p>5634 BONUS</p>
<p>SID</p>	<p>Shopper ID (alphanumeric value) that must be provided in your file if passed initially. This value is either 1) supplied by the publisher and passed in the click-through to the advertiser destination URL or 2) not passed, in which case the advertiser must provide a placeholder for the empty value in their data file (see examples later in the document). The format is a text string of no more than 64 characters.</p>	<p>Shopper827374-y5</p>
<p>DATE</p>	<p>The date of the action represented in the format specified in the header field.</p>	<p>04/09/2002 02:37 PM</p>
<p>OID</p>	<p>The advertiser-supplied Order ID number that identifies the transaction This is a text string, truncated after the 96th character. Commission Junction prohibits the submission of personally identifiable information—such as a full or partial email address—in the OID value.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note: Include only alphanumeric characters within the OID field to avoid errors. You must URL-encode any special characters or extra spaces used in this field.</p> </div>	<p>order-145683</p>
<p>Whole Order Discount (optional)</p>	<p>This is an optional field used to track whole order discounts for simple and item-based orders. To properly track this type of discount, the discount field is added to the end of the body fields directly following the OID field.</p>	<p>10.99 Example: ... order-145683 10.99</p>

Format Guidelines

Commission Junction supports the following data file formats for imports and results reports.

- Pipe-delimited
- Tab-delimited
- Comma-delimited (CSV)
- XML (eXtensible Markup Language)
- Name/Value (for results reports only)

This section provides simple import examples of the supported formats, along with a list of general guidelines for each. For additional examples, see the Data File Examples section.

Pipe-delimited

Note: Although supported, pipe-delimited format causes frequent errors. To avoid errors, choose another format if possible.

Standard Commissions

```
10313|1245|936|19.99|5634|XYZ12345|10/09/2001 04:17 PM|order 145683
10315|1245|936|27.47|5637|RTL20439|10/09/2001 04:17 PM|order-393204
```

Item-based Commissions

```
10314|1245|936|6577sku;7.99;2|4867|RFE49303|10/09/2001 04:17 PM|order-14494
10249|1245|936|5125sku;10.49;1|5642|DKD30492|10/09/2001 04:17 PM|order-423
```

Tab-delimited

In the example below, "->" represents the point at which a tab must occur. The actual file should not have this character.

Standard Commissions

```
10313->1245->936->19.99->5634->XYZ12345->10/09/2001 04:17 PM->order 145683
10315->1245->936->27.47->5637->RTL20439->10/09/2001 04:17 PM->order-393204
```

Item-based Commissions

```
10314->1245->936->6577sku;7.99;2->4867->RFE49303->10/09/2001 04:17 PM->order-14494
10249->1245->936->5125sku;10.49;1->5642->DKD30492->10/09/2001 04:17 PM->order-423
```

Comma-delimited (CSV)

Standard Commissions

```
10313,1245,936,19.99,5634,XYZ12345,10/09/2001 04:17 PM,order 145683
10310,1245,936,15.99,4533,KLV39458,10/09/2001 04:18 PM,"order-142443-sale,oct"
```

Item-based Commissions

```
10314,1245,936,6577sku;7.99;2,4867,RFE49303,10/09/2001 04:17 PM,order-142443
10249,1245,936,5125sku;10.49;1,5642,DKD30492,10/09/2001 04:17 PM,order-423
```

Note: If exporting a CSV file from Excel for import to the Commission Junction system, you must open the file post-export in a text editor and remove the stray commas from the headers placed by Excel. If your file is large, you may need a special editor to edit the file. If you do not remove the stray commas, an error message generates upon import and no results transmit.

Requirements for Delimited (Pipe, Tab and Comma) Formats

All Delimited	Each record or product must appear on a separate line. Records or products may NOT be continued on a second line (no line feeds permitted).
	No control characters (including tabs) or extra spaces may be used. Pay particular attention to the ends of lines in the header and body, which should not end in white space (tab or space). Note: (<i>Tab-delimited only</i>) If you plan to omit the last value from any records in your files, use GPG to sign your file as PGP has a bug that does not allow trailing white space (tab or space). An alternative is to set up your subscription for another format (pipe-delimited, comma-delimited or XML).
	No word wrapping may be used.
	Lines beginning with ; are treated as comments and are ignored by the system.
	There should be exactly seven characters (pipe, tab or comma per line (action). This ensures that all values have a placeholder, even if the value is empty. Consecutive characters (, ->-, ,,) provide a placeholder for an empty value.
	Item-based Format Only: If you will be providing item-based data, it must be provided as shown in the ITEM column in the above example. Specifically, data must be presented between characters (pipe, tab or comma) in the exact ordering of Item ID; Amount; Quantity, with double semicolons separating multiple items (e.g., 6577sku;7.99;2;;4566sku;8.49;1).
	Item-based Format Only: For actions with a zero amount value (such a typical lead action), you must provide a zero ("0") value in the Amount position described above.
Comma Delimited Only	If a comma exists within a value, quotation marks must be placed around the value (e.g., z9320-sale, discount would be "z9320-sale,discount"). This prevents the system from considering the comma to be a divider between values.
	If a value contains double quotes, you must enclose the entire value in double quotes and escape the value's quotes by preceding them with additional double quotes (e.g., big "black" dog must be displayed as "big ""black"" dog").

XML

Standard Commissions

```
<action>
<aid>10313</aid>
<pid>1245</pid>
<cid>936</cid>
<amount>19.99</amount>
<type>5634</type>
<sid/>
<date>10/09/2001 04:17 PM</date>
<oid>order 145683</oid>
</action>
```

Item-based Commissions

```
<action>
<aid>10313</aid>
<pid>1245</pid>
<cid>936</cid>
<item>
  <item_id>5775sku</item_id>
  <item_amt>19.99</item_amt>
  <item_qty>1</item_qty>
</item>
<type>5634</type>
<sid/>
<date>10/09/2001 04:17 PM</date>
<oid>order 145683</oid>
</action>
```

Requirements for XML Formats

- Your XML file must conform to the requirements of a well-formed XML document. The official specification is located at <http://www.w3.org/TR/REC-xml>.
- XML tags are case-sensitive.
- No control characters (including tabs) or extra spaces may be used within brackets.
- The following characters may not be used without special commands: > < & " ' |
- Pipe-delimited is not a valid character for XML.

If you need to use one or more of the above characters, the commands in the table below enables you to use them.

Character	Description	Code to Use
<	less than	<
>	greater than	>
&	ampersand	&
'	apostrophe	'
"	quotation mark	"

For example, the following would be entered to represent "text": "text"

- Comments are allowed, in the following format: <!-- this data will be ignored -->
- Empty values must be represented by a placeholder with a forward slash character after the value.
- The header and body content of XML-formatted files must conform to The DTD includes all possible fields to support XML transfer of data. The DTD is located at the following URL and displayed below.
http://www.jdoqocy.com/content/dtd/advertiser_action_data_1_0.dtd

XML Document Type Definition

```

<! DTD for Advertiser Action Data >
<! Each file must have one header section and at least one action >
<!ELEMENT advertiser_action_data (header,action+)>
<! The datefmt and currency elements are optional in the header >
<!ELEMENT header (cid,subid,datefmt?,currency?)>
<!ELEMENT cid (#PCDATA)>
<!ELEMENT subid (#PCDATA)>
<!ELEMENT datefmt (#PCDATA)>
<!ELEMENT currency (#PCDATA)>
<! All nested elements for the action element must be included. The amount element is used for simple
actions whereas the item element is used for item actions >
<!ELEMENT action ((aid,pid,cid,amount,type,sid,date,oid)+ | (aid,pid,cid,item+,type,sid,date,oid)+)>
<!ELEMENT aid (#PCDATA)>
<!ELEMENT pid (#PCDATA)>
<!ELEMENT amount (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT sid (#PCDATA)>
<!ELEMENT date (#PCDATA)>
<!ELEMENT oid (#PCDATA)>
<!ELEMENT item (item_id,item_amt,item_qty)>
<! The item element has three sub elements that must all be included >
<!ELEMENT item_id (#PCDATA)>
<!ELEMENT item_amt (#PCDATA)>
<!ELEMENT item_qty (#PCDATA)>

```

Note: Provide specific text prior to your file's header, depending on whether you wish to specify a particular character set.

XML Requirements for Item-based Format Only

If you will be providing item-based data (shown in the second example on the previous page), the tags must display in the exact ordering shown.

```

<item>
<item_id></item_id>
<item_amt></item_amt>
<item_qty></item_qty>
</item>

```

For actions with a zero amount value (such a typical lead action), provide a zero ("0") value between the item_amt tags.

Data File Examples

This section provides data file examples and requirements for each of the supported formats. These examples contain a mixture of action types, with and without the SID value. Individual actions need not appear in any particular order, such as by date.

Pipe-delimited

Standard Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310|1245|936|5.99|6457|XYZ12345|10/09/2001 04:17 PM|sale-1443
10313|1245|936|0|3566||10/09/2001 04:16 PM|lead 4567
|1245|936|78.49|BONUS||10/09/2001 04:16 PM|bonus-1533
```

Item-based Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310|1245|936|4647sku;17.59;1|6457|XYZ12345|10/09/2001 04:17 PM|sale-1443
10249|1245|936|5125sku;10.47;2;;7329sku;8.96;1|5642||10/09/2001 04:17 PM|sale-423
|1245|936|78.49|BONUS||10/09/2001 04:16 PM|bonus-1533
10313|1245|936|4530;0;1|3566||10/09/2001 04:16 PM|lead 4567
```

Tab-delimited

Standard Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310->1245->936->5.99->6457->XYZ12345->10/09/2001 04:17 PM->sale-1443
10313->1245->936->0->3566->->10/09/2001 04:16 PM->lead 4567
->1245->936->78.49->BONUS->->10/09/2001 04:16 PM->bonus-1533
```

Item-based Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310->1245->936->4647sku;17.59;1->6457->XYZ12345->10/09/2001 04:17 PM->sale-1443
10249->1245->936->5125sku;10.47;2;;7329sku;8.96;1->5642->->10/09/2001 04:17 PM->sale-423
->1245->936->78.49->BONUS->->10/09/2001 04:16 PM->bonus-1533
10313->1245->936->4530;0;1->3566->->10/09/2001 04:16 PM->lead 4567
```

Comma-delimited

Standard Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310,1245,936,5.99,6457,XYZ12345,10/09/2001 04:17 PM,sale-1443
10313,1245,936,0,3566,,10/09/2001 04:16 PM,lead 4567
,1245,936,78.49,BONUS,,10/09/2001 04:16 PM,bonus-1533
```

Item-based Commissions

```
&CID=936
&SUBID=123
&DATEFMT=MM/DD/YYYY HH12:MI PM
10310,1245,936,4647sku;17.59;1,6457,XYZ12345,10/09/2001 04:17 PM,sale-1443
10249,1245,936,5125sku;10.47;2;;7329sku;8.96;1,5642,,10/09/2001 04:17 PM,sale-423
,1245,936,78.49,BONUS,,10/09/2001 04:16 PM,bonus-1533
10313,1245,936,4530;0;1,3566,,10/09/2001 04:16 PM,lead 4567
```

Placeholder Summary (for pipe, tab and comma-delimited formats)

In the examples above, placeholders are provided for empty values as follows:

- AID: The third action (a bonus payment) has a character (pipe, tab or comma) at the beginning of the record as a placeholder for the empty AID value (bonuses will generally have an empty AID value, as they are cumulative payments that are not connected with a particular advertisement).
- SID: The first action has an associated SID value. The remaining actions do not have an SID value, but consecutive characters (|, ->-> or ,,) provide a placeholder for the empty SID value.

Note: (Currencies) If you wish to specify a currency other than your account's functional currency, an example of the required header format is provided in the next example. If not specified, products default to the advertiser's functional currency.

Character Sets in XML

As shown in the preceding examples and below, you must insert specific information before your file's header to enable the Commission Junction system to check the file against our DTD specification and properly process your file. The desired character set may also be specified.

The examples in this section represent empty values by a placeholder tag (e.g., <sid/> for an empty SID value).

Example 1 – Character Set Not Specified

```
<?xml version="1.0"?>
<!DOCTYPE advertiser_action_data SYSTEM
"http://www.jdoqocy.com/content/dtd/advertiser_action_data_1_0.dtd">
```

Note: An optional Encoding field can be added to the information above if you wish to specify the character set to which your data adheres. As with delimited formats, Microsoft Codepage 1252 is supported by default. If this set does not meet your needs, you must use the encoding attribute to specify the desired set (shown in Example 2).

Example 2 – Character Set Specified

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE advertiser_action_data SYSTEM
"http://www.jdoqocy.com/content/dtd/advertiser_action_data_1_0.dtd">
```

Supported sets include the following:

- UTF-8
- ISO-8859-1
- ISO-8859-15
- Cp1252
- US-ASCII

Standard Commissions

The following example does not specify the CURRENCY field, as the file conforms to the advertiser's functional currency. If you wish to specify a currency other than your account's functional currency, an example of the required header format (<currency> </currency> tags) is provided in the Item-based Commissions example.

```
<?xml version="1.0"?>
<!DOCTYPE advertiser_action_data SYSTEM
"http://www.jdoqocy.com/content/dtd/advertiser_action_data_1_0.dtd">
<advertiser_action_data>
<header>
<cid>2539845</cid>
<subid>123</subid>
<datefmt>MM/DD/YYYY HH12:MI PM</datefmt>
</header>
<action>
<aid>10314</aid>
<pid>1245</pid>
<cid>936</cid>
```

```

<amount>19.99</amount>
<type>5634</type>
<sid>XYZ12345</sid>
<date>10/09/2001 04:14 PM</date>
<oid>order 145683</oid>
</action>
<action>
<aid>10313</aid>
<pid>1245</pid>
<cid>936</cid>
<amount>0</amount>
<type>3566</type>
<sid/>
<date>10/09/2001 04:16 PM</date>
<oid>lead 456767</oid>
</action>
<action>
<aid>10249</aid>
<pid>1245</pid>
<cid>936</cid>
<amount>20.94</amount>
<type>5642</type>
<sid>JOE44667</sid>
<date>10/09/2001 04:17 PM</date>
<oid>order-144321</oid>
</action>
</advertiser_action_data>

```

Item-based Commissions

This example contains <currency> </currency> tags in the header to denote a currency other than the account's functional currency. If you are submitting data in your functional currency, it is not necessary to use these tags.

```

<?xml version="1.0"?>
<!DOCTYPE advertiser_action_data SYSTEM
"http://www.jdoqocy.com/content/dtd/advertiser_action_data_1_0.dtd">
<advertiser_action_data>
<header>
<cid>2539845</cid>
<subid>123</subid>
<datefmt>MM/DD/YYYY HH12:MI PM</datefmt>
<currency>GBP</currency>
</header>
<action>
<aid>10314</aid>
<pid>1245</pid>
<cid>936</cid>
</item>

```

```
<item_id>5125sku</item_id>
<item_amt>10.47</item_amt>
<item_qty>2</item_qty>
</item>
<item>
<item_id>6834sku</item_id>
<item_amt>15.67</item_amt>
<item_qty>1</item_qty>
</item>
<type>5634</type>
<sid>XYZ12345</sid>
<date>10/09/2001 04:14 PM</date>
<oid>order 145683</oid>
</action>
<action>
<aid>10313</aid>
<pid>1245</pid>
<cid>936</cid>
<item>
<item_id>3520</item_id>
<item_amt>0</item_amt>
<item_qty>1</item_qty>
</item>
<type>3566</type>
<sid/>
<date>10/09/2001 04:16 PM</date>
<oid>lead 456767</oid>
</action>
</advertiser_action_data>
```

Data Security Configuration

Data Security Overview

Commission Junction supports two optional security methods. Security is an important aspect of data transfer, and is highly recommended.

- **Cleartext Signing:** Form of data signing that applies a digital signature to a file without encrypting data.
- **Data Signing and Encryption:** Method that applies a digital signature with added encryption.

Digital Signatures, which are applied through the process of data signing, ensure that the transferred files are from Commission Junction and that no one can tamper with them. If anyone captures a file and attempts to alter it in any way, this is detected and the file is rejected.

Cleartext Signing leaves the original data untouched and adds a signature at the end of the file. Choose the Data Signing and Encryption method if you require additional security that not only verifies the sender and prevents tampering, but also encrypts your report into a form that is nearly impossible to read without very specific knowledge (a security key).

To enable either of these methods, you must use GPG or PGP software to comply with security key exchange requirements that are specific to your chosen method.

Getting Started

Commission Junction supports the widely accepted OpenPGP security standard (RFC2440). OpenPGP defines formats for encrypted messages, signatures, and certificates for exchanging public keys. The OpenPGP standard includes PGP (version 5.x and later) and GPG.

- PGP, on which OpenPGP is based, stands for Pretty Good Privacy and was originally developed by Phil Zimmermann. Product information can be found at <http://www.pgp.com/>, and additional reference information at <http://www.pgpi.com/>.
- GPG is an open source alternative to PGP and is available at <http://www.gnupg.org>. Because it does not use the patented IDEA algorithm, it can be freely used, modified and distributed under the terms of the GNU General Public License.

Important: If you choose to secure your file, you must use one of these products/versions for your data to be recognized by the Commission Junction system.

Once you have installed the GPG or PGP software, you are ready to use it to generate a security key pair, exchange the applicable keys with Commission Junction, and secure your file.

Security Key Exchange

As stated above, both of the supported security methods require you to perform data signing by adding a digital signature to your file. A public security key enables signature verification when installed on the recipient's system. If anyone captures a file and attempts to alter it in any way, this will be detected and Commission Junction will reject the file.

After installing the GPG or PGP software, you will generate a public key (in ASCII format) and send it to Commission Junction to enable data signing. Commission Junction must receive and install your public key before data signing can occur.

- If you choose the clearsigning method:
Sending your public key to Commission Junction will complete your key exchange.
- If you choose the data signing and encryption method:
You must 1) send your public key to Commission Junction to enable data signing and 2) import our public key to enable encryption.

Clearsigning

If you choose this option, you must clearsign your file in ASCII format so that it can be transferred with the proper signature. Clearsigning is a form of data signing that leaves the original data untouched and adds a signature.

Clearsigned Data File Example

```
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
&CID=936
&SUBID=123
391035|
366777|
65788|o3462
386264|
|o434862
406917|
-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.0.1 (GNU/Linux)
Comment: For info see http://www.gnupg.org

iD8DBQE5CL7XhzPiyfRhJxkRAPXMAKCbAQtpS/TpSqQCKCnN9yDJ5hU0ywCfXPgU
z2LRx4kei8loLPwCpWBPKI8=
=ru3n
-----END PGP SIGNATURE-----
```

Data Signing and Encryption

Encryption is the transformation of data into a form that is nearly impossible to read without the appropriate knowledge (in this case, Commission Junction's public key). Its purpose is to ensure privacy by keeping information hidden from anyone for whom it is not intended, even those who have access to the encrypted data. If you choose this option, you will clearsign then encrypt your file.

Transferring Your Data File

Commission Junction supports a number of options for transferring data files—Commission Junction FTP, SFTP with SSH Authentication, Client FTP, Client HTTP, Client HTTPS and email.

Note: All subscriptions begin in a test mode. Commission Junction works with you to verify successful transfer before enabling live transfer.

Commission Junction FTP

This method allows you to transfer the file to Commission Junction's FTP server, which is enabled by establishing a Commission Junction FTP account. We provide you with the Commission Junction FTP server address, along with a username, password and any further instructions.

Once you successfully log into our server, place your ASCII file in the default root directory. Do not create a new folder or navigate to a different path—this prevents our system from processing your data.

Note: Successful import files are archived for 45 days (3 days for products). Unsuccessful (error) import files are archived for 31 days (3 days for products).

SFTP with SSH Authentication

CJ SFTP enables you to transfer transaction data via a secure connection using SSH authentication. If you choose to use SFTP, you must:

1. Create an import subscription.

Note: Please make sure you are on the email list for that specific subscription.

2. Generate an SFTP password, which you will receive via email.
3. Download puttygen, or any other similar key generation tool.
4. Generate a public key (from a private key). Passphrase is optional.
5. Save both the public key and the private key at a convenient location on your system.
6. Login to datatransfer.cj.com using:
 - Protocol: SFTP
 - Username: use your CJ Account CID.
 - Password: use the password generated in step 1.
7. Drop the public key from step 5 into `/home/<CID>/keys/`. Any filename will work.
8. Log out.
9. Log back in and use private key. You will be prompted for a passphrase if you used one when generating the public key.

Note: You will still need to use your CID as your username.

Note: There is no password required once you have a public key on the server.

Client FTP

If you choose to place the file on your FTP server for Commission Junction to access, you must:

1. Provide Commission Junction with the following information:
 - FTP Address
 - User
 - Password
 - Directory (if applicable)
 - Port (if applicable)
2. Deliver files to your server with unique filenames (such as a time stamp) to enable accurate processing.
3. Delete the file from your server upon receiving confirmation of a successful import via the results report (described on the next page).

Note: Commission Junction does not support data transfer via FTPS (or other variations of FTP with SSL).

Client HTTP/HTTPS

If you choose to make your file available at a specific URL for Commission Junction to access, you must provide the necessary URL information. The system performs daily checks of the URL and 'pulls' and processes the file if it has changed since the last import (determined by the last modified date of the file as recorded on your server). Your HTTP/HTTPS server must have a stable clock, and the timestamp of the file must reflect the actual time of modification. Please ensure that any failover servers you may have do not interfere with incoming HTTP/HTTPS requests. For information regarding the use of HTTPS and acceptable certificate authorities, refer to Appendix B: HTTPS Use and Acceptable Certificate Authorities.

Email

If you choose this option, simply email your data file to import@datatransfer.cj.com.

You can submit the file in one of two ways:

- as the body of the email
- as a MIME attachment: please limit attachments (files) to one per email

Results Report

Once you transfer your data file, Commission Junction sends an import receipt confirmation email prior to processing. Once a data file processes, you receive a confirmation (or rejection) report. Your results report format and transport method depends on which data format (Name/Value, TAB, PIPE, CSV or XML) and transport method (Email or CJ FTP) you selected during setup. If you choose email as your transport method, you receive an email containing the results report in your selected data format. If you choose CJ FTP as your transport method, you receive an email confirming import, an email confirming your data is available via CJ FTP, and the results report on CJ FTP.

The emailed or CJ FTP-ed results report details information relevant to the file provided, and displays the information in the format you previously selected. If you selected email as your transport method, the results report displays in the Additional Message section of your email. Regardless of the transport

method selected (Email or CJ FTP), a completion email sends to the email address(es) specified in the import subscription settings and displays the following information.

- Time of processing.
- Total records processed.
- Total errors.

If you select Email as your transport method, the completion email also includes the following information.

- List of transferred records, which provide the result for each record. Any records that did not process successfully will indicate the reason for the error.

Note: If you select CJ FTP as the transport method, the system delivers the list of transferred records via CJ FTP, in the specified format.

The most common stem of an error are incorrect or missing headers. If you receive an error, correct the problem and resubmit. If you need further assistance, contact Technical Support.

Note: You may view the status of your data transfer by accessing your *CJ Account Manager* > *Account* > *Services* area.

Example 1: Transfer Confirmed, No Errors (Product Catalog File)

Dear Ellena Stiff,
We have processed your data with the following results:
Subscription ID: 3869
Company ID: 1444347
Filename: gardenbotanika_cj_20050323.txt
Time of processing: Wed Mar 23 13:33:37 PST 2005
Total records processed: 381
Total errors: 0
Additional message:
Please make sure you correct any errors and resend the corrected records. If you publish data to your own FTP server make sure to remove the data after successful processing. If you need assistance, please login to your Commission Junction account (<http://www.cj.com/login.jsp>). Click the Contact Us link at the top of the page to visit our educational site CJU Online, to search the help contents, or ask client support a question.
Regards,
Client Support
Commission Junction

Example 2: Transfer Rejected, Contains Some Errors (Product Catalog File)

Dear Aarti Patel,
We have processed your data with the following results:
Subscription ID: 3404
Company ID: 1409652
Filename: cjun.xml
Time of processing: Wed Mar 23 13:28:41 PST 2005
Total records processed: 2480
Total errors: 2
Additional message:
Record#1110 #Free by Gottex: Copacabana tie detail bikini brief|swimsuits, bikinis, tankinis, swimwear, bikini, plus size, fuller figure, intimate apparel, lingerie, sexy lingerie, full figure, plus size, bodies, sleepwear, bra, camisoles|For a cute, girlie look, check out the bikini brief from the Free by Gottex...
Error: Invalid record, expected 36 values and found 3.
Record#1111 Copacabana collection. It has a stunning all over floral print, sits low on the hips and has a fun tie detail on the left leg.|FR-F5711894|http://www.figleaves.com/us/product.asp?product_id=FR-F5711894&src=cjunpu23032005|Yes|http://speedera.figleaves.com/us/images/eng-usa/products/medium/pm_FR-F5711894.jpg|29.00|||USD||Free Shipping and Free Returns!|Women's swimwear|Free by Gottex|Yes|Yes|New||0.00...
Warning: Unrecognized line.
Please make sure you correct any errors and resend the corrected records. If you publish data to your own FTP server make sure to remove the data after successful processing. If you need assistance, please login to your Commission Junction account (<http://www.cj.com/login.jsp>). Click the Contact Us link at the top of the page to visit our educational site CJU Online, to search the help contents, or ask client support a question.
Regards,
Client Support
Commission Junction

Example 3: Transfer Rejected, Many Errors (Correction File)

Dear Conrad Svard,
We have processed your data with the following results:
Subscription ID: 4935
Company ID: 1451754
Filename: Hotel Direct CJ.csv
Time of processing: Wed Mar 23 13:21:57 PST 2005
Total records processed: 55
Total errors: 55
Additional message:
#REASON OidError: Invalid Correction Record, unable to parse contents
REASON: DUPO TID: Oid: 111726
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 111954
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 111969
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 111975
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112068
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112073
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112080
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 111617
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112098
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112110
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112114
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112121
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112135
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112173
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112187
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112203
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112206
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: Oid: 112210
Result:Could not find a financial transaction from Oid and Advertiser

REASON: DUPO TID: OID: 111916
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112212
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112216
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112234
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112236
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112239
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112278
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112298
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112197
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112362
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112367
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112373
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112385
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112388
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112252
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112405
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112407
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112409
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112415
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112379
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112446
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112459
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112463
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112444
Result:Could not find a financial transaction from Oid and Advertiser

REASON: DUPO TID: OID: 112464
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112469
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112470
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112477
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112484
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 112491
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111625
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111680
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111612
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111613
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111624
Result:Could not find a financial transaction from Oid and Advertiser
REASON: DUPO TID: OID: 111631
Result:Could not find a financial transaction from Oid and Advertiser

Please make sure you correct any errors and resend the corrected records. If you publish data to your own FTP server make sure to remove the data after successful processing. If you need assistance, please login to your Commission Junction account (<http://www.cj.com/login.jsp>). Click the Contact Us link at the top of the page to visit our educational site CJU Online, to search the help contents, or ask client support a question.

Regards,
Client Support
Commission Junction

Viewing Subscription Information

Once your subscription is set up, you may view details in the *Account>Services* area of your *CJ Account Manager*.

Tracking Compliance and Advertiser Responsibility

To ensure the integrity of the CJ Marketplace, Commission Junction has developed a system to monitor the transaction activity related to all publisher-referred sale- and/or lead-based actions.

This system-wide analysis allows Commission Junction to determine if the transmission of transaction data for any of our advertiser clients falls 5 times below its average payout. If this occurs, Commission Junction contacts the account's Super User. Of course, a decrease in transaction activity could be the result of any number of factors. However, a decrease could also indicate that your tracking is not enabled properly following the set-up of your account.

To confirm that your tracking is working properly, Technical Support works with you to verify action integration, thus ensuring the placement of the correct action-related data.

Failure to provide to Commission Junction verifiable information within (5) business days of request that the action tracking for your account is fully functional is a violation your Advertiser Service Agreement and may result in the temporary deactivation of your account or, eventually, termination of the Advertiser Service Agreement (see Section 3.3 of the Agreement).

It is Commission Junction's responsibility to inform an advertiser client when our analysis has determined that the tracking integrity of their account has fallen below an average interval. It is our belief that every advertiser holds an obligation to maintain a successful program and thus a successful relationship with their publisher base. Commission Junction greatly appreciates your attention to this matter.

Appendix A: Supported Sales Tracking Currencies

Commission Junction supports the following currency codes for advertiser sales tracking. The three letter code may not be provided if the prices for a given product are using the advertiser's functional currency (the default).

Code	Currency	Code	Currency	Code	Currency
AFA	Afghanistan Afghani	FRF	French Franc	ANG	NL Antillian Guilder
ALL	Albanian Lek	GMD	Gambian Dalasi	KPW	North Korean Won
DZD	Algerian Dinar	GEL	Georgian Lari	NOK	Norwegian Kroner
ADP	Andorran Peseta	DEM	German Mark	OMR	Riyal Omani
AOA	Angolan Kwanza	GHC	Ghanaian Cedi	PKR	Pakistan Rupee
AON	Angolan New Kwanza	GIP	Gibraltar Pound	PAB	Panamanian Balboa
ARS	Argentine Peso	GRD	Greek Drachma	PGK	Papua New Guinea Kina
AMD	Armenian Dram	GTQ	Guatemalan Quetzal	PYG	Paraguay Guarani
AWG	Aruban Florin	GNF	Guinea Franc	PEN	Peruvian Nuevo Sol
AUD	Australian Dollar	GYD	Guyan Dollar	PHP	Philippine Peso
ATS	Austrian Schilling	HTG	Haitian Gourde	PLN	Polish Zloty
AZM	Azerbaijan Manat	HNL	Honduras Lempira	PTE	Portuguese Escudo
AZN	Azerbaijan New Manat	HKD	Hong Kong Dollar	QAR	Qatari Riyal
BSD	Bahamian Dollar	HUF	Hungarian Forint	ROL	Romanian Leu
BHD	Bahraini Dinar	ISK	Iceland Krona	RON	Romanian New Leu
BDT	Bangladeshi Taka	INR	Indian Rupee	RUB	Russian Rouble
BBD	Barbados Dollar	IDR	Indonesian Rupiah	RWF	Rwanda Franc
BYR	Belarusian Ruble	IRR	Iranian Rial	WST	Samoan Tala
BEF	Belgian Franc	IQD	Iraqi Dinar	STD	Sao Tome/Principe Dobra
BZD	Belize Dollar	IEP	Irish Punt	SAR	Saudi Riyal
BMD	Bermudian Dollar	ILS	Israeli New Shekel	SCR	Seychelles Rupee
BTN	Bhutan Ngultrum	ITL	Italian Lira	SLL	Sierra Leone Leone
BOB	Bolivian Boliviano	JMD	Jamaican Dollar	SGD	Singapore Dollar
BAM	Bosnian Convertible Mark	JPY	Japanese Yen	SKK	Slovak Koruna
BWP	Botswana Pula	JOD	Jordanian Dinar	SIT	Slovenian Tolar
BRL	Brazilian Real	KZT	Kazakhstan Tenge	SBD	Solomon Islands Dollar
BND	Brunei Dollar	KES	Kenyan Shilling	SOS	Somali Shilling
BGN	Bulgaria New Lev	KRW	South Korean Won	ZAR	South African Rand
BIF	Burundi Franc	KWD	Kuwaiti Dinar	ESP	Spanish Peseta
KHR	Cambodia Riel	KGS	Kyrgyzstanian Som	LKR	Sri Lankan Rupee
CAD	Canadian Dollar	LAK	Lao Kip	SHP	St. Helena Pound
CVE	Cape Verde Escudo	LVL	Latvian Lats	SDD	Sudanese Dinar
KYD	Cayman Islands Dollar	LBP	Lebanese Pound	SRD	Suriname Dollar

Data Transfer Guide – Advertiser Action Data

XOF	CFA Franc BCEAO	LSL	Lesotho Loti	SRG	Suriname Guilder
XAF	CFA Franc BEAC	LRD	Liberian Dollar	SZL	Swaziland Lilangeni
XPF	CFP Franc	LYD	Libyan Dinar	SEK	Swedish Krona
CLP	Chilean Peso	LTL	Lithuania Litas	CHF	Swiss Franc
CNY	Chinese Yuan Renminbi	LUF	Luxembourg Franc	SYP	Syrian Pound
COP	Colombian Peso	MOP	Macau Pataca	TWD	Taiwan Dollar
KMF	Comoros Franc	MKD	Macedonian Denar	TZS	Tanzanian Shilling
CDF	Congolese Franc	MGA	Malagasy Ariary	THB	Thai Baht
CRC	Costa Rican Colon	MGF	Malagasy Franc	TOP	Tongan Pa'anga
HRK	Croatian Kuna	MWK	Malawi Kwacha	TTD	Trinidad & Tobago Dollar
CUP	Cuban Peso	MYR	Malaysian Ringgit	TND	Tunisian Dinar
CYP	Cypriot Pound	MVR	Maldives Rufiyaa	TRL	Turkish Lira
CZK	Czech Koruna	MTL	Maltese Lira	TRY	Turkish New Lira
DKK	Danish Krone	MRO	Mauritanian Ouguiya	TMM	Turkmenistan Manat
DJF	Djibouti Franc	MUR	Mauritius Rupee	UAH	Ukraine Hryvnia
DOP	Dominican Republic Peso	MXN	Mexican Peso	GBP	United Kingdom Pound
NLG	Dutch Guilder	MDL	Moldovan Leu	UYU	Uruguayan Peso
XCD	East Caribbean Dollar	MNT	Mongolian Tugrik	USD	US Dollar
ECS	Ecuador Sucre	MAD	Moroccan Dirham	AED	United Arab Emir. Dirham
EGP	Egyptian Pound	MZM	Mozambique Metical	VUV	Vanuatu Vatu
SVC	El Salvador Colon	MZN	Mozambique New Metical	VEB	Venezuelan Bolivar
EEK	Estonian Kroon	MMK	Myanmar Kyat	VND	Vietnamese Dong
ETB	Ethiopian Birr	NAD	Namibia Dollar	YER	Yemen Riyal
EUR	Euro	NPR	Nepalese Rupee	ZMK	Zambian Kwacha
FJD	Fiji Dollar	NIO	Nicaragua Cordoba		
FIM	Finnish Markka	NGN	Nigerian Naira		

Appendix B: HTTPS Use and Acceptable Certificate Authorities.

Commission Junction supports the use of Secure Sockets Layer (SSL) protocol and HTTPS for data transfer. Secure transfer via HTTPS requires the use of certificates for authentication of the data and parties involved. Certificates are signed by trusted agencies called Certificate Authorities to ensure the validity of the certificates. Commission Junction requires the following for successful transfer via HTTPS.

- The server must present an SSL/X.509 certificate whose Common Name (CN) matches the DNS host name.
- The certificate must be certified by a chain that ultimately is certified by one of the accepted Certificate Authorities.

Refer to the following table for details regarding acceptable Certificate Authorities.

Common Name (CN)	Owner (O)
Equifax Secure eBusiness CA-1	Equifax Secure Inc.
VeriSign Class 1 Public Primary Certification Authority – G3	VeriSign, Inc.
VeriSign Class 2 Public Primary Certification Authority – G2	VeriSign, Inc.
VeriSign Class 3 Public Primary Certification Authority – G3	Verisign, Inc.
Entrust.net Client Certification Authority	Entrust.net
Go Daddy Class 2 Certification Authority	The Go Daddy Group, Inc.
GTE CyberTrust Global Root	GTE Corporation
Entrust.net Secure Server Certification Authority	Entrust.net
VeriSign Class 1 Public Primary Certification Authority	VeriSign, Inc.
Thawte Personal Basic CA	Thawte Consulting
VeriSign Class 1 Public Primary Certification Authority – G2	VeriSign, Inc.
THawte Personal Freemail CA	Thawte Consulting
VeriSign Class 3 Public Primary Certification Authority	VeriSign, Inc.
GTE CyberTrust Root	GTE Corporation
VeriSign Class 2 Public Primary Certification Authority – G3	VeriSign, Inc.
Thawte Server CA	Thawte Consulting cc
Equifax Secure Certificate Authority	Equifax
Thawte Personal Premium CA	Thawte Consulting
Thawte Premium Server CA	Thawte Consulting cc
VeriSign Class 3 Public Primary Certification Authority – G2	VeriSign, Inc.
Entrust.net Certification Authority (2048)	Entrust.net
http://www.valicert.com	ValiCert, Inc.
Baltimore CyberTrust Root	Baltimore
Secure Certification Authority	RSA Data Security, Inc.
GeoTrust Global CA	GeoTrust Inc.
GTE CyberTrust Root 5	GTE Corporation

Starfield Class 2 Certification Authority	Starfield Technologies, Inc.
GlobalSign Root CA	GlobalSign nv-sa
Equifax Secure Global eBusiness CA-1	Equifax Secure Inc.
Baltimore CyberTrust Code Signing Root	Baltimore
Equifax Secure eBusiness CA-2	Equifax Secure

For more information or assistance with setting up data transfer with Commission Junction, contact Technical Support.