

# Steps for Creating and Publishing **PunchOut®** Catalogs – Best Buy

INTERNAL

# Agenda

## **Setting up your Ariba Network Account for PunchOut**

- PunchOut URL and Authentication

## **Templates and Catalog File Creation**

- Level 1 and Level 2 Catalog Files

## **Appendix**

- Creating a CIF from an Excel File

# Setting up an Ariba Network Account for PunchOut

# Setting up an AN account for PunchOut

- Login to your **Ariba Supplier Account** (supplier.ariba.com).

SAP Ariba Orders & Invoices Powered by Ariba Network Help Center >>

## Supplier Login

User Name

Password

Login

[Having trouble logging in?](#)

New to Ariba?

[Register Now](#) or [Learn More](#)

### MiSUMi invoicing: 3 days to 5 minutes

MiSUMi will be a featured speaker at SAP Ariba Live in Singapore. Hear how SAP Ariba has helped this company speed up their invoicing process from three days to five minutes.

[Learn More](#)

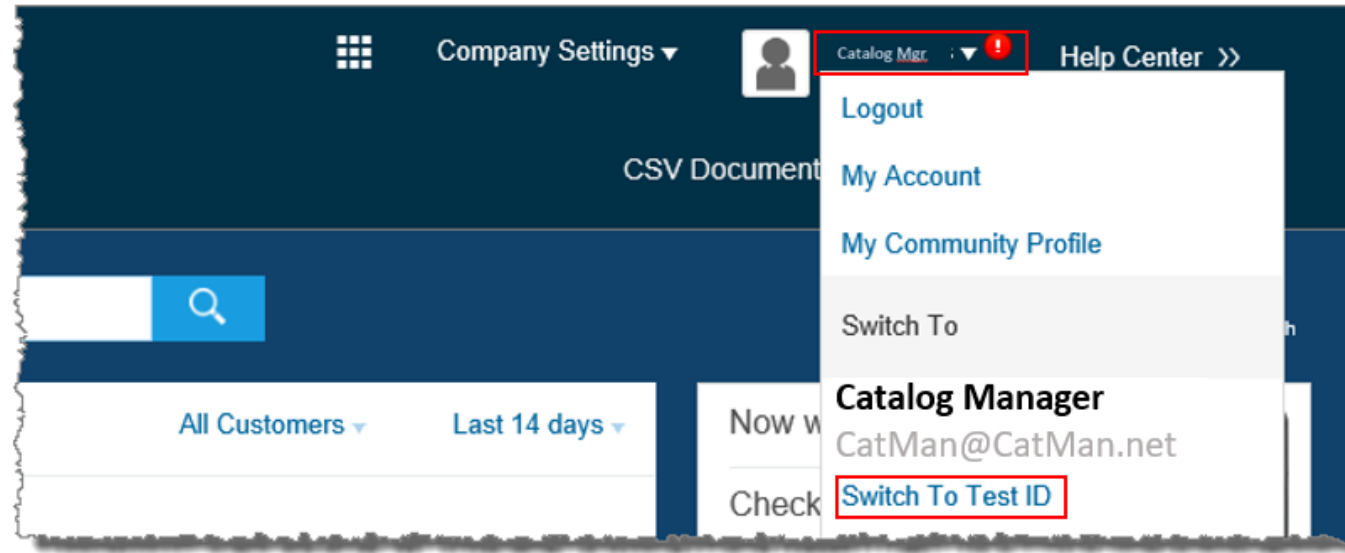
Supported browsers and plugins

SAP

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# Setting up Ariba Network account for PunchOut

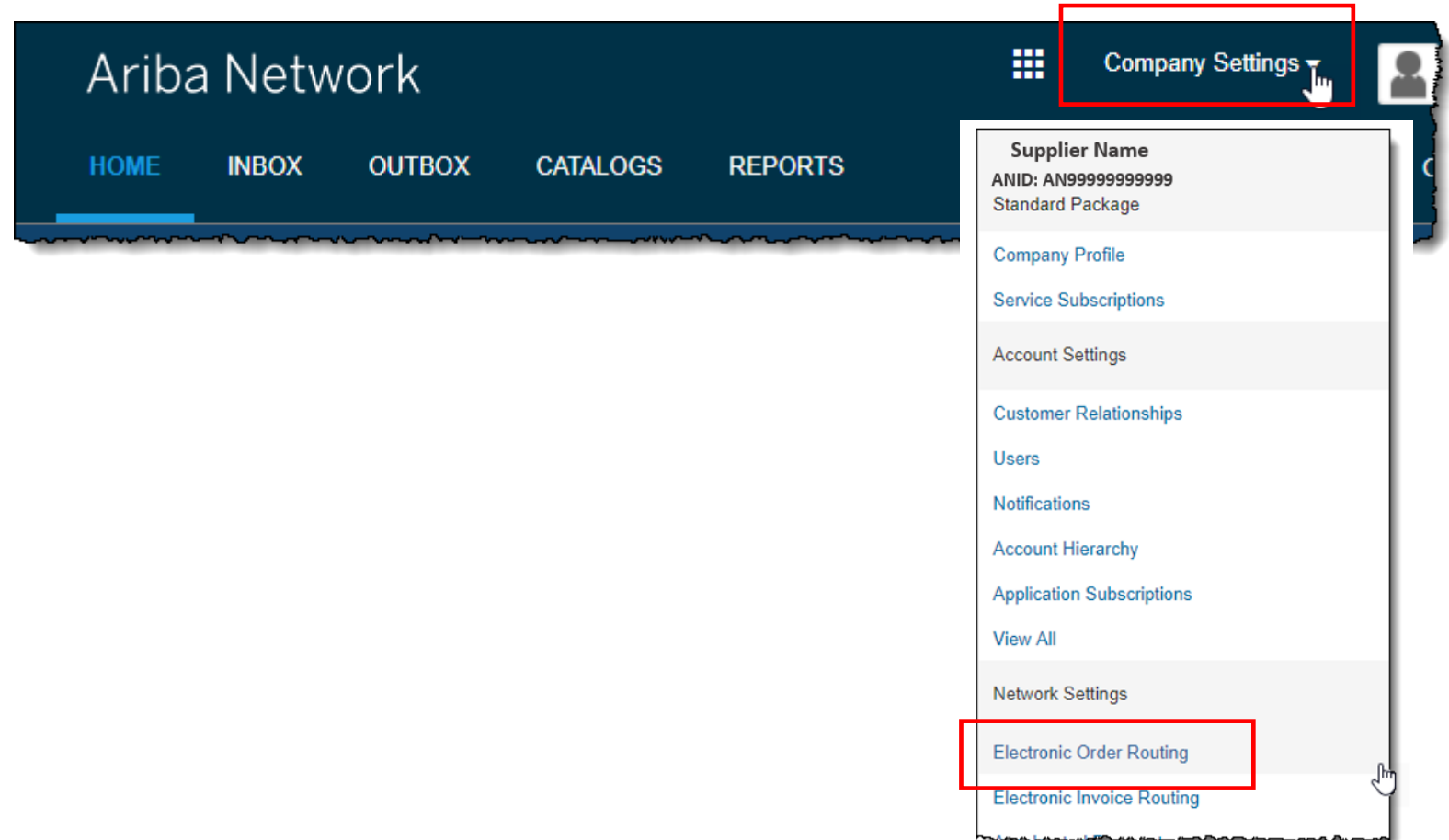
- Switch to your Test Account
  - Your Network Account needs to be set up in both your Test and Production environments.
  - Find your name and click for the pull down menu, then click “Switch To Test ID”.
  - If you don’t see a “Switch to Test ID” link, your Test account has not yet been set up. Contact your Ariba Network Administrator.



- You will get a warning. **“You are about to switch to Test Mode.”** Click “OK”.

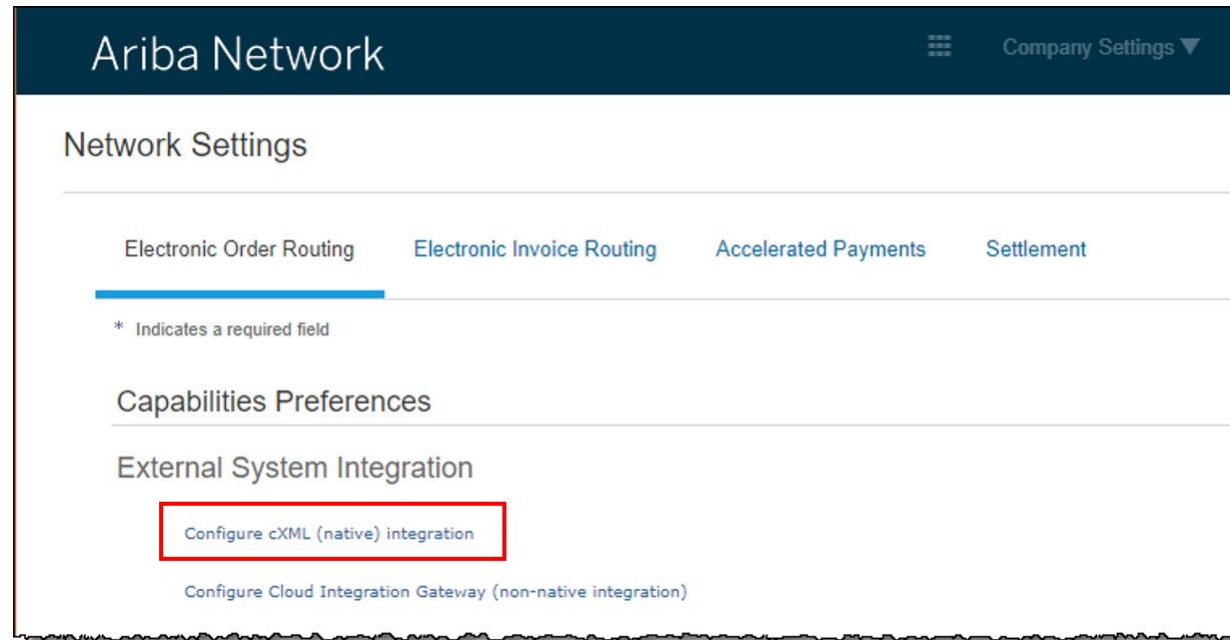
# Setting up an AN account for PunchOut

- Go to **Company Settings**, and click the pulldown menu.
- Scroll down to click on **Electronic Order Routing**.
- Please note the next three steps need to be done in your Test and Production environments.



# Setting up an AN account for PunchOut

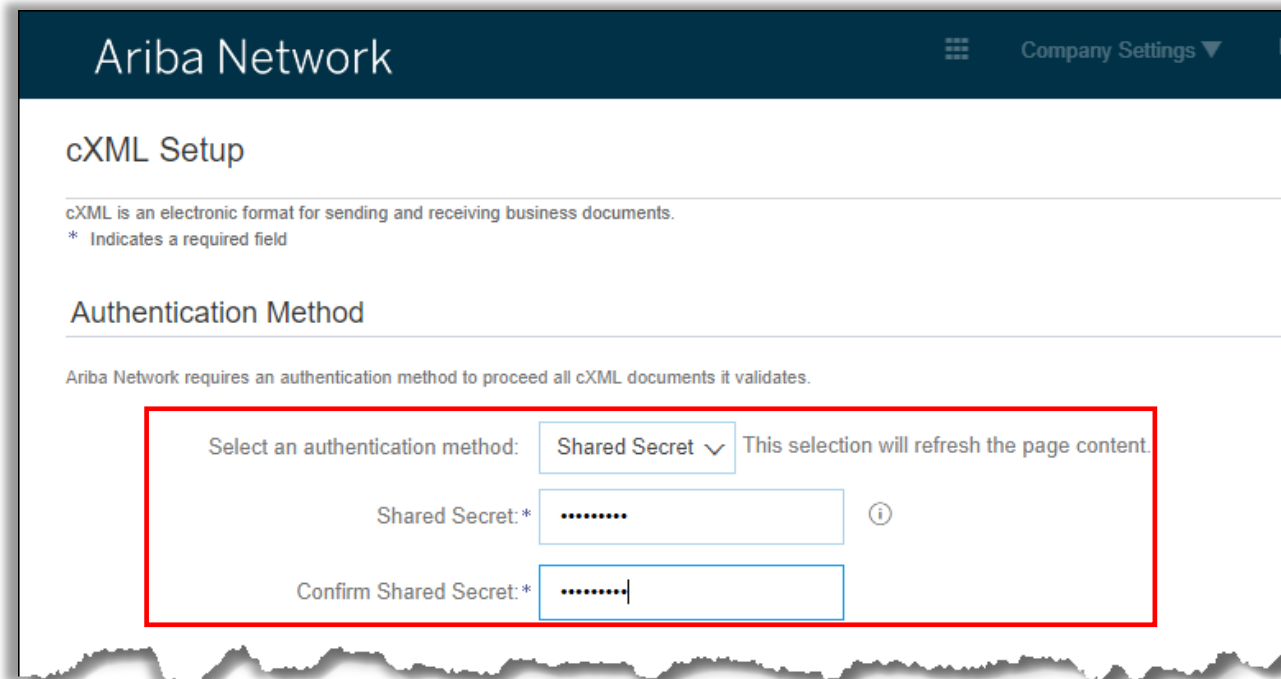
- Under **Electronic Order Routing**, click on **Configure cXML (native) integration**.



# Setting up Ariba Network account for PunchOut

Two things need to be set up for you to provide PunchOut catalogs.

- First, an **Authentication Method**. The Preferred method is **Shared Secret**. Type in your Shared Secret, and confirm it. This Shared Secret will be sent to you to authenticate requests from your Buyers.
- Please be aware that the Shared Secret cannot be the same in both your Test and Production Accounts.

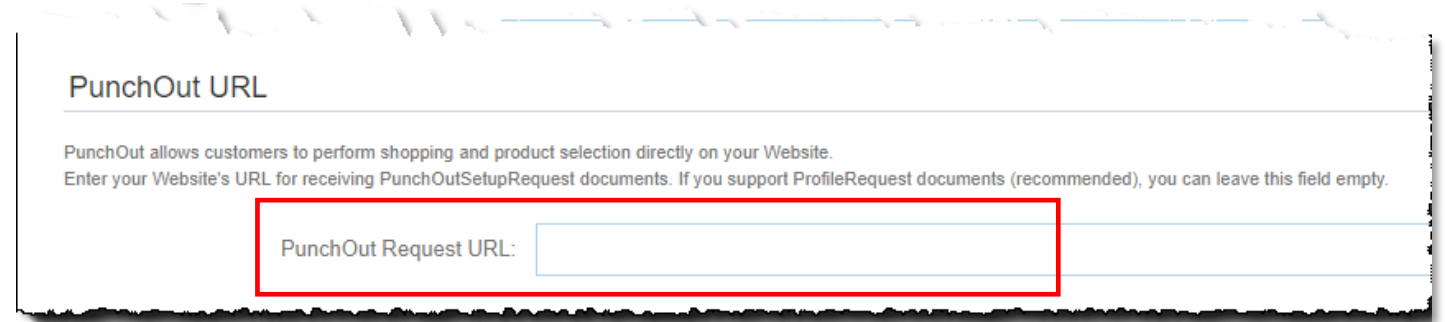


The screenshot shows the Ariba Network 'cXML Setup' page. The header includes 'Ariba Network' and 'Company Settings'. The main section is titled 'cXML Setup' and includes a description: 'cXML is an electronic format for sending and receiving business documents.' and a note: '\* Indicates a required field'. Below this is the 'Authentication Method' section, which states: 'Ariba Network requires an authentication method to proceed all cXML documents it validates.' The form contains a dropdown menu for 'Select an authentication method:' with 'Shared Secret' selected, and a note: 'This selection will refresh the page content.' Below the dropdown are two text input fields: 'Shared Secret: \*' and 'Confirm Shared Secret: \*', both containing masked text (dots). A red box highlights the 'Authentication Method' section, including the dropdown and the two text input fields.



# Setting up Ariba Network account for PunchOut

- Second, your company's complete **PunchOut Request URL**. This is location where PunchOut requests will be sent. This field is checked, and its value used each time a Buyer punches out to your site.



The screenshot shows a web form titled "PunchOut URL". Below the title, there is a descriptive paragraph: "PunchOut allows customers to perform shopping and product selection directly on your Website. Enter your Website's URL for receiving PunchOutSetupRequest documents. If you support ProfileRequest documents (recommended), you can leave this field empty." Below this text is a label "PunchOut Request URL:" followed by a text input field. The input field is highlighted with a red rectangular border.

# **Templates and Catalog File Creation**

# PunchOut Templates

A **PunchOut Template** is a special **CIF Template** that creates a **PunchOut Index file**. The addition of two fields changes a CIF file to a PunchOut Index file. The fields are:

- **PunchOut Enabled** and
- **PunchOutLevel**

Here is a sample **L1 PunchOut Template** in Excel format.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
1	CIF_I_V3.0																	
2	CHARSET:	UTF-8																
3	LOADMODE:	F																
4	CODEFORMAT:	UNSPSC																
5	CURRENCY:	USD																
6	SUPPLIERID_DO	NetworkID																
7	TIMESTAMP:	5/15/2005																
8	UNUOM:	TRUE																
9	COMMENTS:	Level I PunchOut Template																
10	FIELDNAMES:	Supplier ID	Manufacturer Part ID	Item Description	SPSC Code	Unit Price	Unit of Measure	<div>Required field</div> <div>The UNUOM key in the header specifies whether the values in this column are UNUOM or ANSI codes. for a list of codes, see the Help@Ariba site.</div> <div>Not required for punchout items (set appropriate boolean value in PunchOut Enabled column).</div> <div>Type: String</div> <div>Length: 32</div>		Manufacturer	Market Price	Supplier Part Auxiliary ID	Short Name	Image	PunchOut Enabled	PunchOutLevel		
11	DATA																	
12	AN999999999999	2772882		Microsoft, Cisco, Adobe, switcher, router.	43191504	1.00	EA						Supplier PunchOut Catalog	<a href="http://supplierlogo.jpg">http://supplierlogo.jpg</a>	TRUE			
13	ENDOFDATA																	
14																		
15																		
16																		
17																		

The Template is color coded and has Tool Tips that provide information about how to treat each field.

Each Template includes specific instructions, including custom fields or other requirements set by Best Buy.

# Templates and Catalog Creation – L1 PunchOut

In **Level 1 PunchOut**, the catalog file is a simple, one line Index file. This is because a L1 Catalog appears on the catalog interface just as a link to the Supplier's website.

The PunchOut icon tells the User that this is an external catalog, as well as the “Buy From Supplier” button.



# Creating a L1 PunchOut Catalog

## The Header Section

	A	B
1	<u>CIF_I_V3.0</u>	
2	<u>CHARSET:</u>	UTF-8
3	<u>LOADMODE:</u>	F
4	<u>CODEFORMAT:</u>	UNSPSC_V13.5
5	<u>CURRENCY:</u>	USD
6	<u>SUPPLIERID_DOMAIN:</u>	NetworkID
7	<u>ITEMCOUNT:</u>	5
8	<u>TIMESTAMP:</u>	5/15/2005
9	<u>UNUOM:</u>	TRUE
10	<u>COMMENTS:</u>	Any comments can go here.

Note: The only fields that Suppliers should modify in the Template are indicated in red: **CURRENCY**, **ITEMCOUNT**, **TIMESTAMP** and **COMMENTS**. All the other fields are predefined in the Template for the Customer and should not be modified, unless instructed by a Catalog Expert.

- **CIF\_I\_V3.0**—Specifies the Catalog format (CIF 3.0). Do not change this value.
- **CHARSET**—UTF-8 Specifies the data coding type. Do not change this value, unless instructed by your Catalog Expert.
- **LOADMODE**—F (Full) or I (Incremental)
- **CODEFORMAT**—Specifies the commodity coding (UNSPSC: United Nations Standard Products and Services Code) in the field “SPSC Code”.
- **CURRENCY**—Specifies the currency used for the prices. The value “USD” (United States Dollar) is here by default and can be changed to a difference currency.
- **SUPPLIERID\_DOMAIN**—Specifies the Domain used. The preferred value is the Supplier’s Ariba Network ID Number—“NetworkID”. Other values include “DUNS”, “internalsupplierid” or other custom values.
- **ITEMCOUNT**—Specifies the number of items of the Catalog. Enter the total number of all items between the DATA and ENDOFDATA markers.
- **TIMESTAMP**—Enter the date you created your Catalog.
- **UNUOM**—If set to “TRUE”, the Unit Of Measure is set to UNUOM (United Nations Unit of Measure); if set to “FALSE”, the value is set to ANSI. (Ariba recommends UNUOM)
- **COMMENTS**—This field is optional, but can be used for comments related to your Catalog. It is a good place to enter the Supplier Name, the Customer Name and Catalog Name.

# Creating a L1 PunchOut Catalog

## The Data Section

Supplier ID	Supplier Part ID	Manufacturer Part ID
AN999999999999	PurchGrp500	

FIELD COLOR CODES	
	Required
	Optional
	Optional, but preferred
	Do not use

- **Supplier ID - Required**

**Description:** If the Header is set to “NetworkID”, then enter the Supplier’s Ariba Network ID, otherwise the appropriate value for the Domain used—DUNS, internalsystem, etc. Ask your Catalog Expert if you have questions. For PunchOut, be sure the Supplier can accept the Domain and value in their system for authentication.

**Type of data:** String

**Maximum length:** 255

**Example:** AN999999999999

**Note:** If you publish the Catalog in your test account, add a suffix –T to your ANID or DUNS number like this: AN999999999999-T.

- **Supplier Part ID - Required**

**Description:** In L1 PunchOut this can be any value. It is required to be populated. You could set a keyword for the Supplier to evaluate here if you wish.

**NOTE:** If you provide more than one catalog for the same customer, make sure the items across these catalogs do not share the same Part ID + Part Auxiliary ID as this duplicates will cause erratic behavior in the application.

**Type of data:** String

**Maximum length:** 255

**Example:** 2772882

- **Manufacturer Part ID - Optional**

**Description:** In L1 PunchOut this can be any value. It is not required to be populated, but the field must remain. You could set a keyword for the Supplier to evaluate here if you wish.

**Type of data:** String

**Maximum length:** 255

**Example:** TTSIBM412CID

# Creating a L1 PunchOut Catalog

Item Description	SPSC Code	Unit Price
Supplier Name PunchOut Catalog	43191504	1.00

- **Item Description - Required**

*Description:* Supplier name and PunchOut catalogs

*Type of data:* String

*Maximum length:* 2000

*Example:* My Supplier PunchOut Catalog

- **SPSC Code – Required**

*Description:* Classification of the main product or service you sell. For L1 PunchOut, this will only determine where the Supplier link appears in the catalog hierarchy—not what the actual items are.

*Type of data:* String

*Maximum length:* 40

*Example:* 45678900 (level 3) and 45678923 (level 4)

*Note:* Ariba supports UNSPSC Version 13.5. A code list is available in your Customer's Supplier Information Portal.

- **Unit Price - Required**

*Description:* In Level 1 PunchOut, the price is not used, but must be populated. It is suggested that you set the value to 1.00.

*Type of data:* Decimal

*Example:* 1.00

*Note:* To separate the integer from the decimal, you must use a 'dot' and not a comma. Also, do not use a comma to indicate 'thousands'. Do not include any currency symbols such as \$, £ or ¥.

# Creating a L1 PunchOut Catalog

Unit of Measure	Lead Time	Manufacturer Name
EA		

- **Unit of Measure - Required**

**Description:** For L1 PunchOut, this is just populated to meet the system requirement—UOM is not used. It is suggested that you use EA.

**Type of data:** String

**Maximum length:** 32

**Example:** EA

- **Lead Time – Do Not Use**

**Description:** For L1 PunchOut, this is not used, but the field must remain.

**Type of data:** Integer

**Maximum length:** 40

**Example:** 1

- **Manufacturer Name - Do Not Use**

**Description:** For L1 PunchOut, this is not used, but the field must remain.

**Type of data:** String

**Maximum length:** 255

**Example:** Epson



# Creating a L1 PunchOut Catalog

Supplier URL	Manufacturer URL	Market Price

- **Supplier URL – Do Not Use**

*Description:* For L1 PunchOut, this is not used, but the field must remain.

*Type of data:* String

*Maximum length:* 255

*Example:* <http://www.supply.com/Catalog/product18.htm>

- **Manufacturer URL – Do Not Use**

*Description:* For L1 PunchOut, this is not used, but the field must remain.

*Type of data:* String

*Maximum length:* 255

*Example:* <http://www.manu.com/Catalog/product18.htm>

- **Market Price – Do Not Use**

*Description:* For L1 PunchOut, this is not used, but the field must remain.

*Type of data:* Decimal

*Example:* 4.32 or 1234.78

# Creating a L1 PunchOut Catalog

Supplier Part Auxiliary ID	Short Name
Seattle	Supplier Name PunchOut

- **Supplier Part Auxiliary ID - Optional**

**Description:** In L1 PunchOut, this can be used to convey a value for the Supplier to process, and send back the appropriate catalog URL.

**NOTE:** If you provide more than one catalog for the same customer, make sure the items across these catalogs do not share the same Part ID + Part Auxiliary ID as this duplicates will cause erratic behavior in the application.

**Type of data:** String

**Maximum length:** 255

**Example:** 1234 French

**Note:** If any items have the same reference (Supplier Part ID column), this column allows you to differentiate them.

- **Short Name - Required**

**Description:** In L1 PunchOut, this is what will actually display to the User on the UI.

**Type of data:** String

**Example:** <SupplierName> PunchOut

**Maximum length:** 80 characters

# Creating a L1 PunchOut Catalog

Image	Keywords	PunchOut Enabled
http://www.mylogo12354.jpg	IT, communication, paper, pens	TRUE

- **Image - Required**

**Description:** URL of the Supplier's Logo (preferred), or filename of the image (sent in a zip file)

**Supported image formats:** JPG, JPEG, GIF, PNG, BMP—(JPG preferred)

**Type of data:** String

**Maximum length:** 255

**Recommended Size:** 250 x 250 pixels

- **Keywords - Required**

**Description:** Additional keywords to help users find items

**Type of data:** String

**Maximum length:** 255

**Example:** Pens, Pencils, Paper, Copier

- **PunchOut Enabled - Required**

**Description:** Tells the system that this file is a PunchOut Index file. Must be set to TRUE for the system to see this as a PunchOut item

**Type of data:** Boolean

# Creating a L1 PunchOut Catalog

## Special Notes for Images

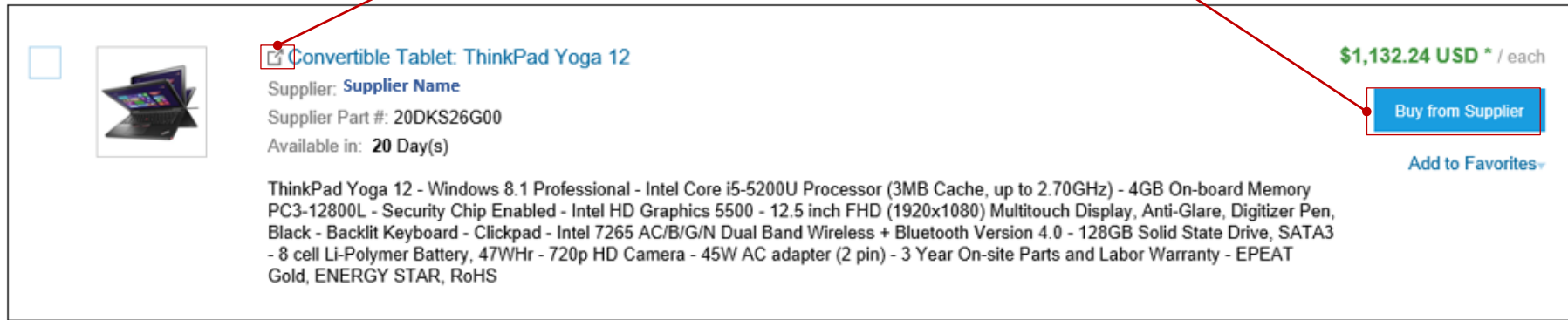
- In the Catalog file, you can refer to a Remote Image—using a URL—or you can refer to a Local Image, and send that image to Ariba to store.
- Using Remote Images is preferred.
  - Be sure the URL in the Template is *complete* (including http://). *Example:*  
http://server/directory/imagefilename.jpg
  - Point to the image itself—not a program that serves up images.
- If you use Local Images,
  - Be sure the filename in the Template is *exact*—including upper and lower case  
*Example:* FileName.jpg -or- lowercasename.jpg.
  - Load images in a zip file format with the Customer Name and Supplier Name on the AN.

# Creating a L2 PunchOut Catalog

In **Level 2 PunchOut**, the catalog file is a combination of static catalog information (this is used to search) and it also contains the **PunchOut Enabled** and **PunchOutLevel** fields, to tell the system that this is a PunchOut catalog, and the User will be taken to the Supplier's website to add items to their cart as they shop.

L2 PunchOut items appear on the Catalog interface just as a static item does, but has the "Buy from Supplier" button instead of "Add to Cart".

The PunchOut icon tells you that this is an external catalog, as well as the "Buy From Supplier" button.



☒ Convertible Tablet: ThinkPad Yoga 12

Supplier: [Supplier Name](#)

Supplier Part #: 20DKS26G00

Available in: 20 Day(s)

ThinkPad Yoga 12 - Windows 8.1 Professional - Intel Core i5-5200U Processor (3MB Cache, up to 2.70GHz) - 4GB On-board Memory PC3-12800L - Security Chip Enabled - Intel HD Graphics 5500 - 12.5 inch FHD (1920x1080) Multitouch Display, Anti-Glare, Digitizer Pen, Black - Backlit Keyboard - Clickpad - Intel 7265 AC/B/G/N Dual Band Wireless + Bluetooth Version 4.0 - 128GB Solid State Drive, SATA3 - 8 cell Li-Polymer Battery, 47Whr - 720p HD Camera - 45W AC adapter (2 pin) - 3 Year On-site Parts and Labor Warranty - EPEAT Gold, ENERGY STAR, RoHS

\$1,132.24 USD \* / each

[Buy from Supplier](#)

[Add to Favorites](#)

# Creating a L2 PunchOut Catalog

## The Header Section

	A	B
1	<b>CIF_I_V3.0</b>	
2	<b>CHARSET:</b>	UTF-8
3	<b>LOADMODE:</b>	F
4	<b>CODEFORMAT:</b>	UNSPSC_V13.5
5	<b>CURRENCY:</b>	USD
6	<b>SUPPLIERID_DOMAIN:</b>	NetworkID
7	<b>ITEMCOUNT:</b>	5
8	<b>TIMESTAMP:</b>	5/15/2005
9	<b>UNUOM:</b>	TRUE
10	<b>COMMENTS:</b>	Any comments can go here.

Note: The only fields that Suppliers should modify in the Template are indicated in red: **CURRENCY**, **ITEMCOUNT**, **TIMESTAMP** and **COMMENTS**. All the other fields are predefined in the Template for the Customer and should not be modified, unless instructed by a Catalog Expert.

FIELD COLOR CODES	
	Required
	Optional
	Optional, but preferred
	Do not use

- **CIF\_I\_V3.0**—Specifies the Catalog format (CIF 3.0). Do not change this value.
- **CHARSET**—UTF-8 Specifies the data coding type. Do not change this value, unless instructed by your Catalog Expert.
- **LOADMODE**—F (Full) or I (Incremental)
- **CODEFORMAT**—Specifies the commodity coding (UNSPSC: United Nations Standard Products and Services Code) in the field “SPSC Code”.
- **CURRENCY**—Specifies the currency used for the prices. The value “USD” (United States Dollar) is here by default and can be changed to a difference currency.
- **SUPPLIERID\_DOMAIN**—Specifies the Domain used. The preferred value is the Supplier’s Ariba Network ID Number—“NetworkID”. Other values include “DUNS”, “internalsupplierid” or other custom values.
- **ITEMCOUNT**—Specifies the number of items of the Catalog. Enter the total number of all items between the DATA and ENDOFDATA markers.
- **TIMESTAMP**—Enter the date you created your Catalog.
- **UNUOM**—If set to “TRUE”, the Unit Of Measure is set to UNUOM (United Nations Unit of Measure); if set to “FALSE”, the value is set to ANSI. (Ariba recommends UNUOM).
- **COMMENTS**—This field is optional, but can be used for comments related to your Catalog. It is a good place to enter the Supplier Name, the Customer Name and Catalog Name.

# Ariba Network – File Size Limits

- CIF Format : When using the catalog wizard, the catalog file can't exceed 95 MB or 400,000 lines.
- Excel Format : The maximum size of zipped Excel file that you can upload is 1 MB (uncompressed). If your Excel files exceed these size, you can convert them to CIF manually and upload the CIF files. Ariba Network uploads the file, unzips it if necessary, converts it to CIF format, and starts validation. Conversion from Excel to CIF can take several minutes depending on the catalog size. As Excel files convert, their status is Validating.
- cXML Format: If you use the cXML CatalogUploadRequest transaction, the zipped catalog file cannot exceed 10 MB, and the unzipped CIF file cannot exceed 95 MB (approximately 400,000 line items). To have this default size limit increased to 200 MB, contact SAP Ariba Customer Support.

# Creating a L2 PunchOut Catalog

## The Data Section

Supplier ID	Supplier Part ID	Manufacturer Part ID
AN999999999999	12345	CFG 11562
AN999999999999	87690	87690-12
AN999999999999	479-56	A100-BLK

- **Supplier ID - Required**

**Description:** If the Header is set to “NetworkID”, then enter the Supplier’s Ariba Network ID, otherwise the appropriate value for the Domain used—DUNS, internalsystem, etc. Ask your Catalog Expert if you have questions. For PunchOut, be sure the Supplier can accept the Domain and value in their system for authentication.

**Type of data:** String

**Maximum length:** 255

**Example:** AN999999999999

**Note:** If you publish the Catalog in your test account, add a suffix –T to your ANID or DUNS number like this: AN999999999999-T.

- **Supplier Part ID - Required**

**Description:** Part Number used by the Supplier. The Part Number must be unique for each item in the Catalog.

**NOTE:** If you provide more than one catalog for the same customer, make sure the items across these catalogs do not share the same Part ID + Part Auxiliary ID as this duplicates will cause erratic behavior in the application.

**Type of data:** String

**Maximum length:** 255

**Example:** 2772882

- **Manufacturer Part ID - Optional**

**Description:** A Part Number that a Manufacturer uses

**Type of data:** String

**Maximum length:** 255

**Example:** TTSIBM412CID



# Creating a L2 PunchOut Catalog

Item Description	SPSC Code	Unit Price
Pens, Bic, Ballpoint, Blue, 1 dozen	43191504	3.48
Stapler, Swingline, Black	55010125	18.72
Post-It, Yellow, 1"x2", pad of 100	15874236	6.49
Folders, Letter, Manilla, 100	89745125	12.98

## ■ Item Description - Required

**Description:** Description of the product or service. Make your descriptions as clear and complete as possible (Item type, brand, model, color, etc.).

**Note:** To use a special character as a literal value, you need to “escape” it by putting a backslash (\) in front of it. For example, \" lets a double quote be seen as a quote instead of a delimiter for an entry. To escape a quote (") within a quoted field, use two quotes (").

**Type of data:** String

**Maximum length:** 2000

**Example:** Printer, Laser, A4, Epson Stylus Color 740

## ■ SPSC Code – Required

**Description:** Classification of the product or service. Use a UNSPSC code if the Header specifies “UNSPSC” as the CODEFORMAT.

**Type of data:** String

**Maximum length:** 40

**Example:** 45678900 (level 3) and 45678923 (level 4)

**Note:** Ariba supports UNSPSC Version 13.5. A code list is available in your Customer’s Supplier Information Portal.

## ■ Unit Price - Optional

**Description:** Customer-specific price. For L2 PunchOuts the price can be left blank if the Buyer agrees.

**Type of data:** Decimal

**Example:** 4.32 or 1234.78

**Note:** To separate the integer from the decimal, you must use a ‘dot’ and not a comma. Also, do not use a comma to indicate ‘thousands’. Do not include any currency symbols such as \$, £ or ¥.

# Creating a L2 PunchOut Catalog

Unit of Measure	Lead Time	Manufacturer Name
EA	1	Intelidata
EA	1	IDG Book
DZN	3	Bic
EA	1	Swingline

- **Unit of Measure - Required**

**Description:** Unit of measure related to the Unit Price. Use a United Nations UOM if the UNUOM in the Header is set to “True”.

**Type of data:** String

**Maximum length:** 32

**Example:** BX

*Note:* A file containing the Units of Measure is available in your Customer’s Supplier Information Portal.

- **Lead Time - Preferred**

**Description:** Number of working days for the product to be shipped from the date you receive the Purchase Order

**Type of data:** Integer

**Maximum length:** 40

**Example:** 1

- **Manufacturer Name - Preferred**

**Description:** Name of the manufacturer

**Type of data:** String

**Maximum length:** 255

**Example:** Epson

# Creating a L2 PunchOut Catalog

Supplier URL	Manufacturer URL	Market Price
http://www.supplier.com	http://www.manu.com	
http://www.supplier.com		
http://www.supplier.com		
http://www.supplier.com		

- **Supplier URL - Optional**

**Description:** A URL that links to a Supplier static page about the item (could be a MSDS, construction info, packaging info, etc.)

**Type of data:** String

**Maximum length:** 255

**Example:** http://www.supply.com/Catalog/product18.htm

- **Manufacturer URL - Optional**

**Description:** A URL that links to a Manufacturer's static page about the item (could be a MSDS, construction info, packaging info, etc.)

**Type of data:** String

**Maximum length:** 255

**Example:** http://www.manu.com/Catalog/product18.htm

- **Market Price – Not used, must remain in the template**

**Description:** List or retail price.

**Note:** Does not show on the Ariba UI—this is an information-only field for Suppliers.

**Type of data:** Decimal

**Example:** 4.32 or 1234.78

**Note:** To separate the integer from the decimal, you must use a 'dot' and not a comma. Also, do not use a comma to indicate 'thousands'. Do not include any currency symbols such as \$, £ or ¥.

# Creating a L2 PunchOut Catalog

Supplier Part Auxiliary ID	Language	Currency
1234-75	en_US	USD
	en_US	USD
	en_US	USD
	en_US	USD

- **Supplier Part Auxiliary ID - Optional**

**Description:** Uniquely identifies a single item. For example, items in multiple languages or available in multiple units of measure.

**NOTE:** If you provide more than one catalog for the same customer, make sure the items across these catalogs do not share the same Part ID + Part Auxiliary ID as this duplicates will cause erratic behavior in the application.

**Type of data:** String

**Maximum length:** 255

**Example:** 1234 French

**Note:** If any items have the same reference (Supplier Part ID column), this column allows you to differentiate them.

- **Language – Optional** (If blank, defaults to 'en\_US')

**Description:** Specifies the language used to describe the item.

**Type of data:** String

**Maximum length:** 255

**Example:** en\_US

**Note:** A listing of language codes is in your Customer's Supplier Information Portal.

- **Currency – Optional** (Set in Header)

**Description:** Specifies the currency used for the prices

**Type of data:** String

**Maximum length:** 32

**Example:** USD, CAD (Canadian Dollar)

**Note:** A listing of currency codes is in your Customer's Supplier Information Portal.

# Creating a L2 PunchOut Catalog

Short Name
Soft Drink, Soda, Cola
Dairy, Milk, 1% milk fat
Coffee, Dark Roast
Soft Drink, Juice, Orange

- **Short Name - Optional**

**Description:** Short description of the item. The Short Name is displayed first in the UI, and is in a larger type face and blue color. You can use the Short Name to describe a category or Item type, then give the specifics in the Item Description.

**Type of data:** String

**Example:** Nylon Glove, Blue

**Maximum length:** 80 characters

**Note:** If the “Short Name” field is left blank, the first 80 characters of the Item Description column will automatically fill the “Short Name” field.

# Creating a L2 PunchOut Catalog

Image	Thumbnail
12354.jpg	<a href="http://www.1.com/12354.jpg">http://www.1.com/12354.jpg</a>
<a href="http://www.1.com/34.jpg">http://www.1.com/34.jpg</a>	<a href="http://www.1.com/34.jpg">http://www.1.com/34.jpg</a>
587.jpg	http://www.1.com/587.Jpg
http://www.1.36.jpg	http://www.1.36.jpg

- **Image - Preferred**

**Description:** URL of the item's image (preferred), or filename of the image (sent in a zip file)

**Supported image formats:** JPG, JPEG, GIF, PNG, BMP—(JPG preferred)

**Type of data:** String

**Maximum length:** 255

**Recommended Size:** 250 x 250 pixels

- **Detail: Thumbnail - Optional**

**Description:** URL of an Icon-size image of the item, or filename of the image (sent in the zip file)—can be different from the product's full-size Image.

**Supported image formats:** JPG, JPEG, GIF, PNG, BMP—(JPG preferred)

**Type of data:** String

**Maximum length:** 255

**Recommended Size:** 85 x 85 pixels

**Note:** If the "Thumbnail" field is left blank, the file in the "Image" field will be resized and populate the Thumbnail.

# Creating a L2 PunchOut Catalog

## Special Notes for Images

- In the Catalog file, you can refer to a Remote Image—using a URL—or you can refer to a Local Image, and send that image to Ariba to store.
- Using Remote Images is preferred.
  - Be sure the URL in the Template is *complete* (including http://). *Example:*  
http://server/directory/imagefilename.jpg
  - Point to the image itself—not a program that serves up images.
- If you use Local Images,
  - Be sure the filename in the Template is *exact*—including upper and lower case  
*Example:* FileName.jpg -or- lowercasename.jpg.
  - Load images in a zip file format with the Customer Name and Supplier Name on the AN.

# Creating a L2 PunchOut Catalog

PunchOut Enabled	PunchOutLevel
TRUE	Product

- **PunchOut Enabled - Required**

**Description:** Tells the system that this file is a PunchOut Index file. Must be set to TRUE for the system to see this as a PunchOut item.

**Type of data:** Boolean

- **PunchOutLevel - Required**

**Description:** Tells the system that this item is a L2 PunchOut item that will take the User to the Supplier's site at the **Store** Level (like a L1), the **Aisle** level (a category, that requires then to further refine the search on the Supplier's site), the **Shelf** level (a refined category that results in only a few items that will all be displayed in the PunchOut) or the **Product** level (this takes the User to the exact item on the Supplier's site that they searched for in Ariba). **Product** is the most common level.

**Values:** Store, Aisle, Shelf, Product

**Type of data:** Boolean



# Uploading and Publishing PunchOut Catalogs

# Uploading and Publishing PunchOut Catalogs

- Login to Ariba Network
  - Go to: <http://supplier.ariba.com>
  - Log in with your Username and Password

SAP Ariba Orders & Invoices Powered by Ariba Network Help Center >>

## Supplier Login

User Name

Password

Login

[having trouble logging in?](#)

New to Ariba?  
[Register Now](#) or [Learn More](#)

### MiSUMi invoicing: 3 days to 5 minutes

MiSUMi will be a featured speaker at SAP Ariba Live in Singapore. Hear how SAP Ariba has helped this company speed up their invoicing process from three days to five minutes.

[Learn More](#)

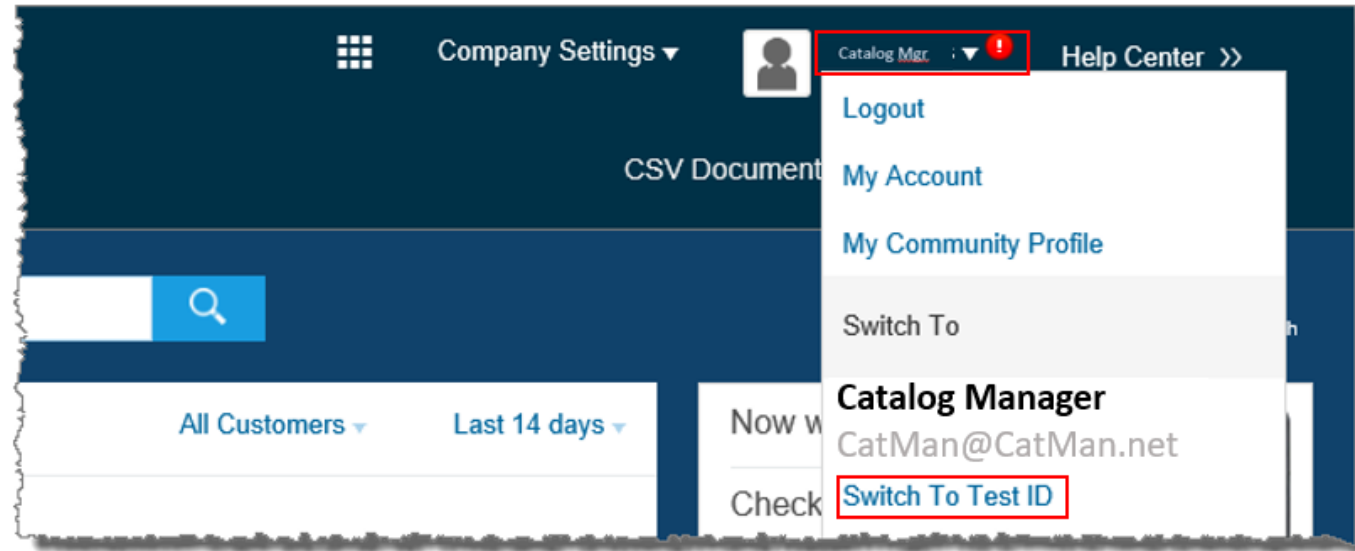
Supported browsers and plugins

SAP

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# Uploading and Publishing PunchOut Catalogs

- Switch to your Test Account
  - Your Catalog should be loaded and tested in your Test Account. (Note: If you are instructed to load a Catalog to a Production account, just skip this step.)
  - Find your name and click for the pull down menu, then click “Switch To Test ID”.
  - If you don’t see a “Switch to Test ID” link, your Test account has not yet been set up. Contact your Ariba Network Administrator.



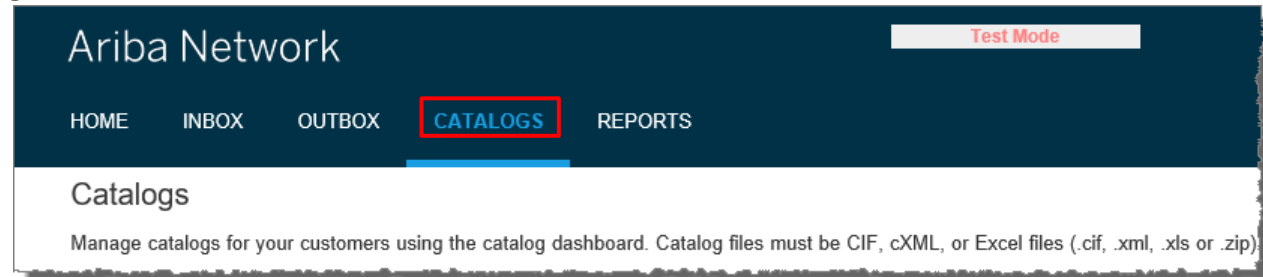
- You will get a warning. **“You are about to switch to Test Mode.”** Click “OK”.

# Uploading and Publishing PunchOut Catalogs

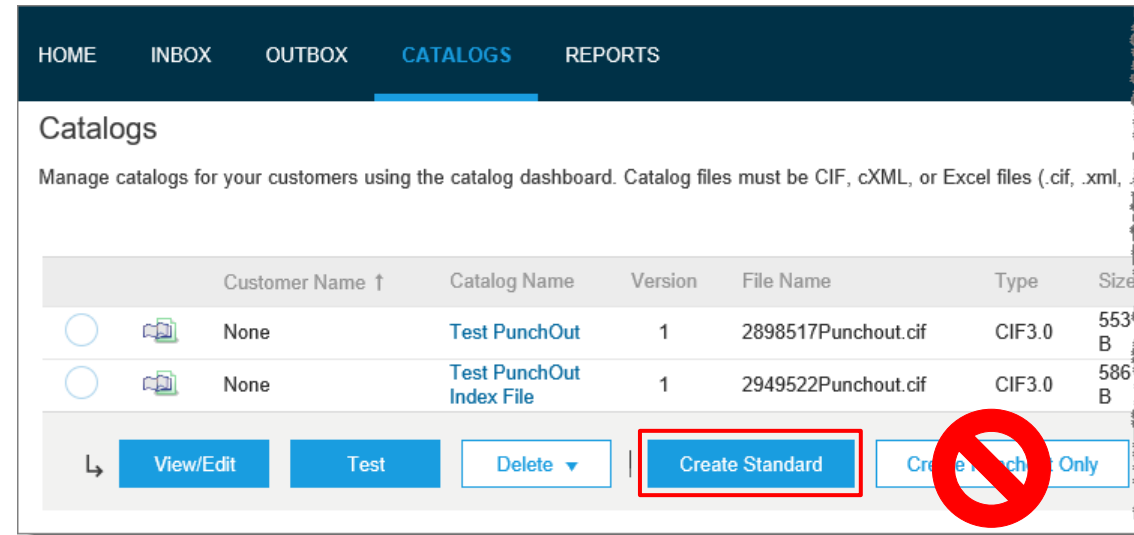
- When uploading a Catalog on Ariba Network, there are four steps you will follow:
  1. **Uploading**—Transfers the Catalog file from your local drive to Ariba Network. During the upload process, you enter the Catalog name (this becomes the “Subscription Name” in the Buyer’s local Catalog) descriptive text, and classify it so that buying organizations that are looking for specific products and services can find your Catalog.
  2. **Setting Visibility**—Allows you to specify whether the Catalog version is “Public” or “Private” and determines which of your Customers can access it.
  3. **Validating**—The Network checks the Catalog for errors, checks for zero price values and does a high-level validation of UNSPSC codes and Units of Measure.  
(Note: Customer-specific validation rules for UNSPSC and UOM codes, and zero price values can be more detailed and much more strict than the high-level Network validations, therefore your Catalog may **pass** the Network validations but **fail** the Customer-specific validations for these same items.)
  4. **Publishing**—Freezes the current version and notifies your Customer of the Catalog’s availability.

# Uploading and Publishing PunchOut Catalogs

- Navigate to the Catalogs Tab



- On the Catalogs screen, click the “Create Standard” button. Even though you are loading a PunchOut Catalog, use the “Create Standard” button.



# Uploading and Publishing PunchOut Catalogs

- You are now on the **Create a New Catalog** Screen.
- To create the Catalog, there is a 3-step Wizard:
  - ① **Details**—General information about the Catalog
  - ② **Subscriptions**—Who you are publishing the Catalog to
  - ③ **Content**—Uploading the actual Catalog file

- Click “Next”.

Create a New Catalog

Next Exit

Enter a catalog name and descriptive text. Customers can search using this information. Add commodity codes to your catalog. \* indicates required field

1 Details

2 Subscriptions

3 Content

Catalog Name: \*

Created By: Catalog Manager

Date Created: Tuesday 30 Aug 2016 10:59 PM GMT-07:00

Description:

Characters left: 1000

The maximum number of characters allowed is 1000, including spaces.

Commodities: ⓘ

Description
No items

↳ Delete Add

Next Exit

# Uploading and Publishing PunchOut Catalogs

## ① Details

- **Catalog Name:** This becomes the “Subscription Name” for this Catalog that **will not change**. The format for this Name is set by Best Buy. Use this format (no special characters are allowed, you can use a dash (-) or underscore(\_)):

**SupplierName\_BBY\_PunchOut\_Lx for example: MySupplier\_BBY\_PunchOut\_L1**

- **Description:** *(Optional)* Brief description of the content of your Catalog
- **Commodities:** *(Optional)* The UNSPSC code(s) that corresponds to the items family/ group of your Catalog. Use the “Add” button to find the code.
- When you complete this screen, click “Next”.

The screenshot shows the 'Create a New Catalog' form. On the left is a sidebar with three tabs: '1 Details' (selected), '2 Subscriptions', and '3 Content'. The main area has a header 'Create a New Catalog' with 'Next' and 'Exit' buttons. Below the header is a text prompt: 'Enter a catalog name and descriptive text. Customers can search using this information. Add commodity codes to your catalog. \* indicates required field'. The form fields include: 'Catalog Name: \*' (a text box containing 'Catalog Manager'), 'Created By: Catalog Manager', 'Date Created: Tuesday 30 Aug 2016 10:59 PM GMT-07:00', and 'Description:' (a large text area). Below the description is a 'Commodities: ⓘ' section with a 'Description' label and a 'No items' message. At the bottom of the main area are 'Delete' and 'Add' buttons. At the very bottom of the form are 'Next' and 'Exit' buttons. A red box highlights the 'Catalog Name' field and the 'Next' button at the bottom right.

# Uploading and Publishing PunchOut Catalogs

## ② Subscriptions

- You determine which Customers subscribe to your Catalog—specific Customer(s) or to all Customers on the Network.
- Set the Visibility to “Private”. You can select a single customer.
- To select Best Buy check the box next to the “Customers” list.
- If the Supplier does not appear, it means that they have not established a relationship with your company yet. This is required prior to uploading a Catalog to them.
- When you complete this screen, click “Next”.

Create a New Catalog

Previous Next Exit

1 Details

2 Subscriptions

3 Content

Add customers and set the catalog visibility for customers. Click the customer's name to view validation rules on your [More](#)

You can receive status updates on catalogs, including catalog errors from your customer through email. To receive emails, click [Manage Profile](#) and enter the email address in the Email notification section.

Visibility: ☒ Private - Only the selected customers that have a trading relationship with you can view and receive the catalog  
☐ Public - All customers can view the catalog. Customers that have a trading relationship with you can also receive the published catalog

Customers

<input type="checkbox"/>	Customers ↑	Catalog Validation Rules	Validation Status for Version 1
<input checked="" type="checkbox"/>	GSO Sandbox - P2O - TEST	<a href="#">View</a>	Pending Validation
<input type="checkbox"/>	Supplier Name	<a href="#">View</a>	Pending Validation
<input type="checkbox"/>	Supplier Name	<a href="#">View</a>	Pending Validation

Previous Next Exit



# Uploading and Publishing PunchOut Catalogs

## ③ Content

- Select your **Catalog File**, by clicking “Browse” and pointing to your file.
  - Your Excel file must not exceed 1 Mb, however you can use zip compression.
  - If your Excel file is too large, you will need to convert it to a CIF. See the Appendix—“How to convert an Excel file to CIF”.
- After you have selected your Catalog file, click the “Validate and Publish” button.
- As your Catalog loads, the status will read “Validating”. Click the “Refresh” button at the bottom of the screen to see the status change.

Create a New Catalog

Previous Exit

1 Details

2 Subscriptions

3 Content

Choose the catalog file for upload. Catalog files must be CIF, cXML, or Excel files (.cif, .xml, .xls or .zip). To download the [More](#)

UPLOAD YOUR CATALOG FILE

Browse...

! After you click Validate and Publish, do not use your Web browser until your catalog is finished uploading. Large catalogs can take several minutes to upload.

Validate and Publish

# Uploading and Publishing PunchOut Catalogs

## ■ Network Catalog Validation

- After the Network completes validation, it changes the Catalog status from “Validating” to one of the following statuses:
  - **Validated, Published or Pending Buyer Validation**—your Catalog is error-free.
  - **Errors Found by Ariba Network**—the Network detected Catalog content that violates validation rules.
  - **Bad Format**—your Catalog failed the file validation check. Audit the file for problems in format.
- A Catalog with an error status means you need to review the error results and correct them before going on.

Catalogs

Manage catalogs for your customers using the catalog dashboard. Catalog files must be CIF, cXML, or Excel files (.cif, .xml, .xls or .zip). Some customers might have defined specific catalog validation rules, [More](#)

		Customer Name ↑	Catalog Name	Version	File Name	Type	Size	Visibility	Created By	Date Created	Status	Date Status Received
		None	<a href="#">Test PunchOut</a>	1	2898517Punchout.cif	CIF3.0	553 B		Catalog Manager	Apr 2014	Validated	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	99089.cif	CIF3.0	4 KB	Private	Catalog Manager	5 Jan 2017	3 Errors Found by Ariba Network	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	<a href="#">BuyerCat.cif</a>	CIF3.0	2 KB	Private	Catalog Manager	30 Jun 2015	Pending Buyer Validation	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	<a href="#">Catalog.cif</a>	CIF3.0	2 KB	Private	Catalog Manager	11 Nov 2013	Published	

# Uploading and Publishing PunchOut Catalogs

- Correcting Validation Errors
  - To see the error detail, click on the “Errors Found” hyperlink.

**Catalogs**

Manage catalogs for your customers using the catalog dashboard. Catalog files must be CIF, cXML, or Excel files (.cif, .xml, .xls or .zip). Some customers might have defined specific catalog validation rules, [More](#)

		Customer Name ↑	Catalog Name	Version	File Name	Type	Size	Visibility	Created By	Date Created	Status	Date Status Received
		None	<a href="#">Test PunchOut</a>	1	2898517Punchout.cif	CIF3.0	553 B		Catalog Manager	Apr 2014	Validated	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	<a href="#">99089.cif</a>	CIF3.0	4 KB	Private	Catalog Manager	5 Jan 2017	3 Errors Found by Ariba Network	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	<a href="#">BuyerCat.cif</a>	CIF3.0	2 KB	Private	Catalog Manager	30 Jun 2015	Pending Buyer Validation	
		Buyer Name	<a href="#">Buyer Test CIF</a>	1	<a href="#">Catalog.cif</a>	CIF3.0	2 KB	Private	Catalog Manager	11 Nov 2013	Published	

# Uploading and Publishing PunchOut Catalogs

- Viewing Validation Errors
  - The Network displays Description, Field and Line Number for each error.

The screenshot shows the 'Edit a Catalog' interface. On the left is a sidebar with four tabs: 'Details', 'Content', 'Errors', and 'Subscriptions'. The 'Errors' tab is selected. The main area displays a message: 'The catalog file contains errors. To fix the error, upload a new catalog file or click the item in the Error Description column, or the Line Number.' Below this is a link 'Upload new catalog file.' and a section titled 'Catalog Validation Errors'. This section contains a table with three columns: 'Description ↑', 'Field', and 'Line Number in Your Catalog File'. The table lists three errors, all related to duplicate 'supplierpartid' values.

Description ↑	Field	Line Number in Your Catalog File
The item on line 12 duplicates another item with key supplierid supplierpartid supplierpartauxiliaryid		12
The item on line 14 duplicates another item with key supplierid supplierpartid supplierpartauxiliaryid		14
The item on line 11 duplicates another item with key supplierid supplierpartid supplierpartauxiliaryid		11

- In this case, the Network is telling us that the **Supplier Part Number** is not unique on lines 11, 12 and 14.
- To correct any issues, go back to the original Excel Catalog file and make the corrections. Then update the Catalog file and upload the new version to replace the existing Catalog.

# Uploading and Publishing PunchOut Catalogs

- Customer Approval
  - When your Catalog passes the Network upload validation, your Customer is then notified to audit, validate and approve your Catalog. The Network may show any of these statuses: **“Published”**, **“Validated by Customer”** or **“Pending Buyer Validation”**—*note that these are all valid statuses*.
  - Each Customer may have specific validation rules—and these rules may be more strict than the standard Network rules. This means that your Catalog could pass the Network validation, but fail the Customer-specific rules and be returned to you.
  - If your Customer finds anything in your Catalog file that requires your attention, you will be notified by e-Mail.
    - Corrections should be made to the original Excel file. Then the corrected Catalog file needs to be uploaded to the Network.
    - Each Catalog must pass both the Network validation and the Customer audit before it can be loaded into the Customer’s buying application and be available for their Users.

# Appendix

# Appendix - Creating a CIF from an Excel File

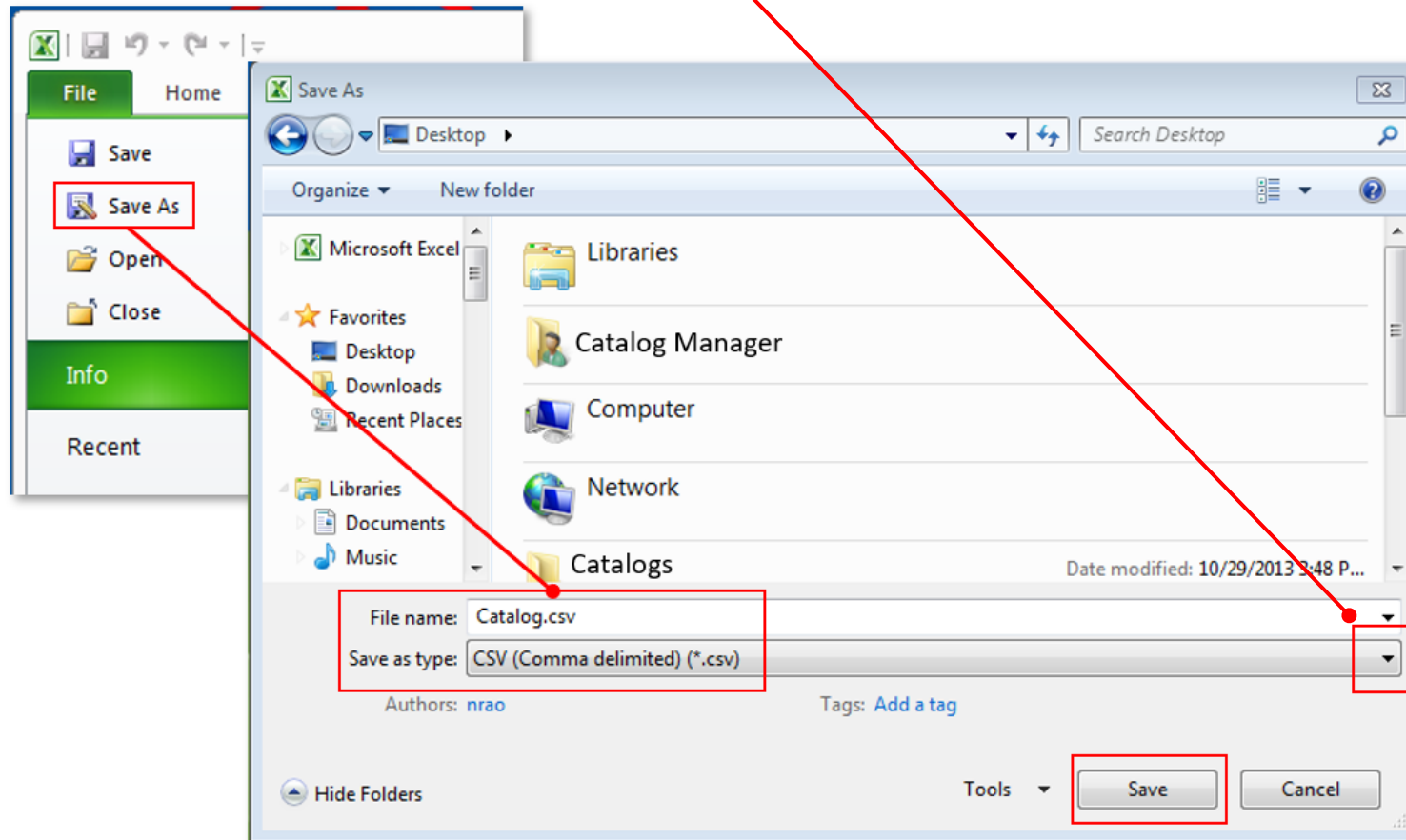
- Open your Excel Catalog file

Catalog.xls [Compatibility Mode] - Microsoft Excel

	A	B	C	D	E
1	CIF_I_V3.0				
2	CHARSET:	UTF-8			
3	LOADMODE:	F			
4	CODEFORMAT:	UNSPSC_V13.5			
5	CURRENCY:	USD			
6	SUPPLIERID_DOMAIN:	NetworkID			
7	ITEMCOUNT:	5			
8	TIMESTAMP:	5/16/2011			
9	UNUOM:	TRUE			
10	COMMENTS:	Any comments can go here.			
11	FIELDNAMES: Supplier ID	Supplier Part ID	Manufacturer Part ID	Item Description	SPSC Code
12	DATA				
13	AN99999999999	2772882	TTSIBM412CID	4-Line System Phone with Headset and Caller ID	43191504
14	AN99999999999	2772967	IDG076450049X	Excel 97 for Dummies Quick Reference Book	55101509
15	AN99999999999	2772276	IDG076458722	Blue Ballpoint Pens, Disposable	44121704
16	AN99999999999	2772981	IDG076450052X	Manilla Folders, Tabbed 3 Position	44122011
17	AN99999999999	2772985	IDG07645762	Stapler, Swingline 405, Black	44121615
18	ENDOFDATA				

## Appendix - Creating a CIF from an Excel File

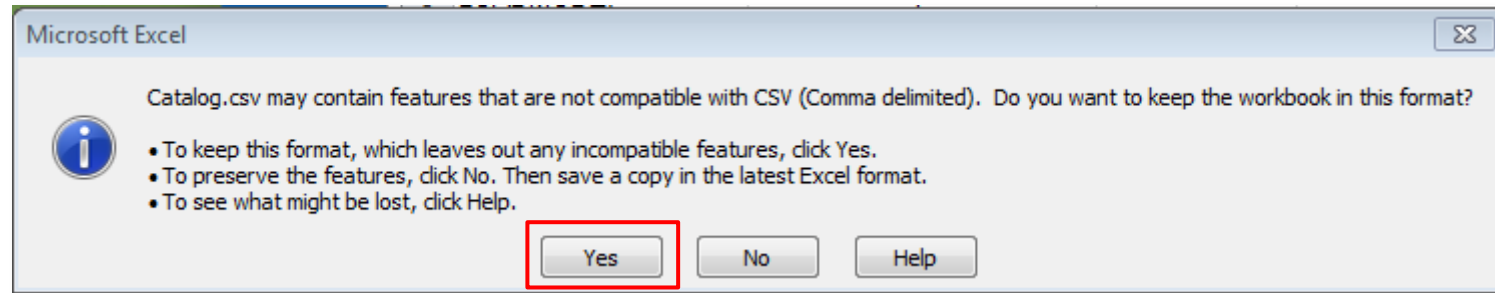
- Save it as a “.csv” file. To see the choices, click on the drop down menu.





# Appendix - Creating a CIF from an Excel File

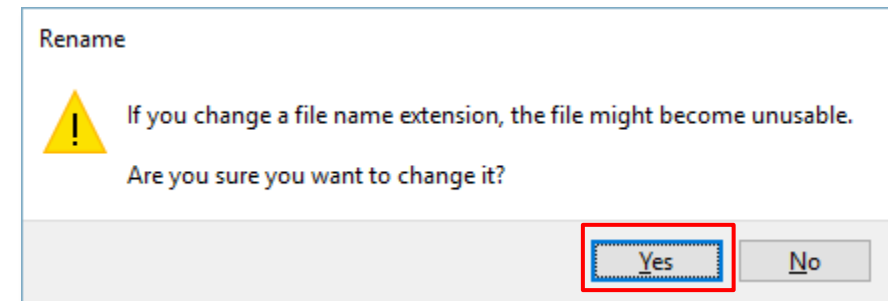
- You will get a system warning about saving it as a .csv. Click “Yes” to continue.



- Rename your saved file, by changing the extension to “.cif”.

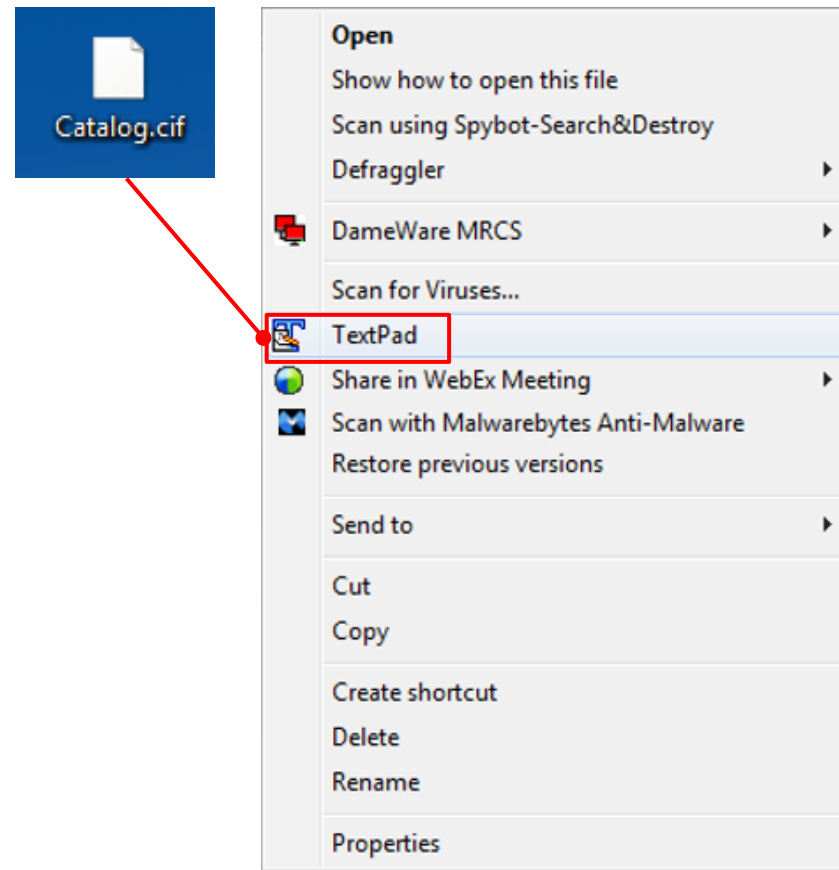


- The system will warn you about changing the extension. Click “Yes” to continue.



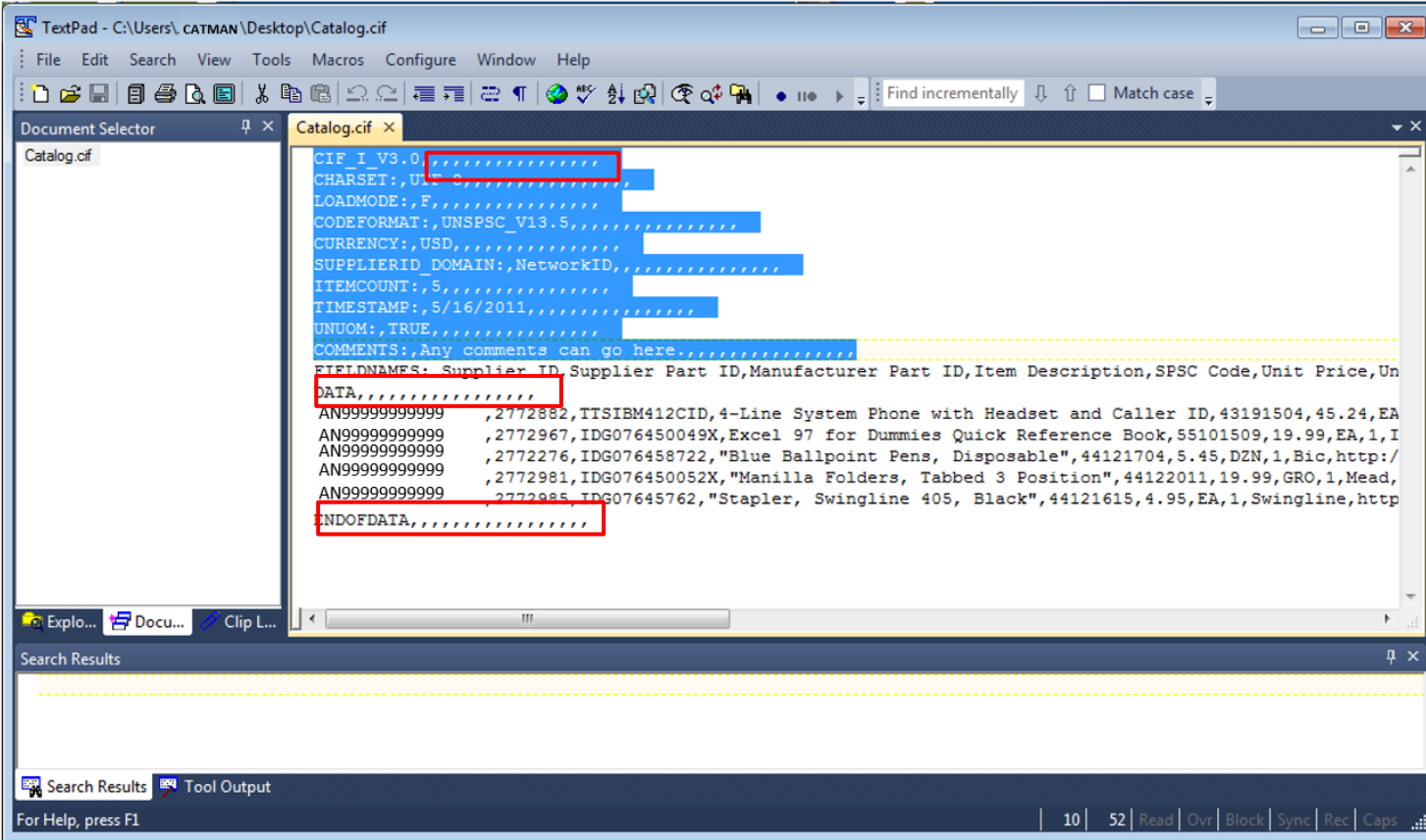
## Appendix - Creating a CIF from an Excel File

- Open your CIF Catalog file with Notepad, or your favorite text editor.



# Appendix - Creating a CIF from an Excel File

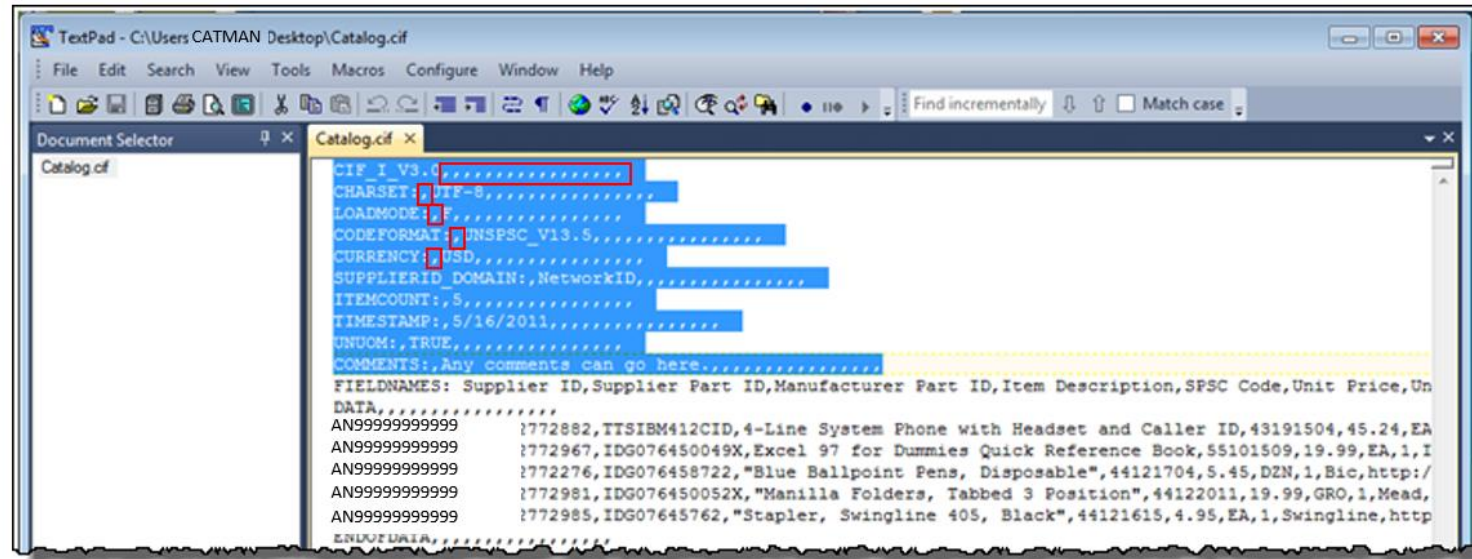
- Notice that the file has new, added commas in the Header, and after the DATA and ENDOFDATA markers.



```
TextPad - C:\Users\CATMAN\Desktop\Catalog.cif
File Edit Search View Tools Macros Configure Window Help
Catalog.cif
CIF_I_V3.0,
CHARSET:,U,
LOADMODE:,F,
CODEFORMAT:,UNSPSC_V13.5,
CURRENCY:,USD,
SUPPLIERID_DOMAIN:,NetworkID,
ITEMCOUNT:,5,
TIMESTAMP:,5/16/2011,
UNUOM:,TRUE,
COMMENTS:,Any comments can go here,
FIELDNAMES: Supplier ID,Supplier Part ID,Manufacturer Part ID,Item Description,SPSC Code,Unit Price,Un
DATA,
AN9999999999,2772882,TTSIBM412CID,4-Line System Phone with Headset and Caller ID,43191504,45.24,EA
AN9999999999,2772967,IDG076450049X,Excel 97 for Dummies Quick Reference Book,55101509,19.99,EA,1,I
AN9999999999,2772276,IDG076458722,"Blue Ballpoint Pens, Disposable",44121704,5.45,DZN,1,Bic,http:/
AN9999999999,2772981,IDG076450052X,"Manilla Folders, Tabbed 3 Position",44122011,19.99,GRO,1,Mead,
AN9999999999,2772985,IDG07645762,"Stapler, Swingline 405, Black",44121615,4.95,EA,1,Swingline,http
ENDOFDATA,
```

## Appendix - Creating a CIF from an Excel File

- Remove these extra commas after the Header values and the DATA and ENDOFDATA markers. Be sure to remove any commas in *front* of the data in the Header as well.



- Be careful if you use the “Replace” function—you don’t want to replace any of the commas in the actual Catalog data.
- Once the commas are deleted, save the CIF Catalog file. It is now ready to be loaded.

# Thank you.

Contact information:

[AskAribaCatalog@sap.com](mailto:AskAribaCatalog@sap.com)