

SAP Ariba 

PunchOut Catalog Guide for **Suppliers**

INDEX

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Buyer Process

- How does a Buyer purchase from PunchOut ?

How to use this guide:

This presentation is **interactive** and contains **process simulations**.

When you see **text like this** or **buttons surrounded this** then it is **interactive**.

Use the **red buttons** [  ] at the top right of your screen to be sent back here

Introduction and Types



What is Punchout Catalog

A **PunchOut** catalog is a type of catalogue that gives **Buyers** access a **Supplier's web-shop** from their SAP Ariba Application.

Punchout Level 1

When referred to a “**Level 1**”, this means the **Buyer** searches for the desired Supplier/PunchOut and then enters at the **Store Level**, i.e. they are sent to the web-shop's landing page. On entering, the **Buyer** will **search for the Items on the Supplier's web-shop**, then add all desired items to the web-shop's Basket and return back to the SAP Ariba Application with the Basket containing the selected Items to generate Purchase Requisition.



Estlega Ltd WEB-SHOP
Supplier: **Estlega Ltd**

Buy from Supplier



Superbook ABC Laptop
Supplier: **Estlega Ltd**
Supplier Part #: laptop_1
Available in : 8 Day(s)

\$499.99 USD * / each

Buy from Supplier

Project Specifics



Main Prerequisites for Punchout Suppliers



Business and Technical Requirements on catalog content

Business related topics as per Items available in Your Web-shop, Price, Availability T&Cs. Should be agreed with Buyer prior to enablement process.

Web-shop Configuration

Supplier's must configure their website in order to **accept the ANID** of Buyer.

Security

Supplier's Punchout site must communicate through **HTTPS (Hyper Text Transfer Protocol Secure)**. HTTPS protects all parties in Punchout sessions: Buyer Ariba Network, and the Punchout site.

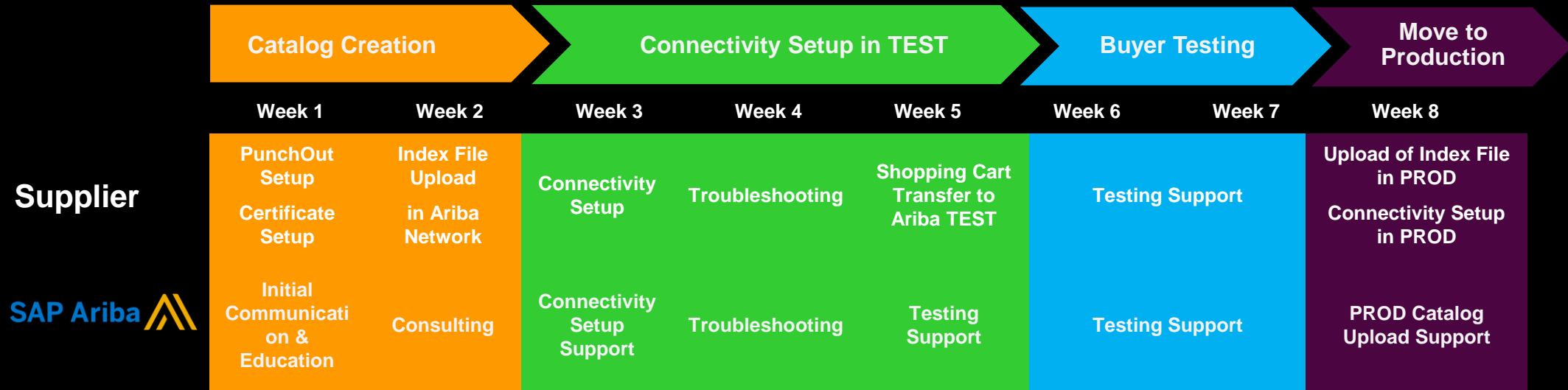
Commodity Codes Required for Items

It is compulsory to associate a commodity code for each item in your Web-shop. A list of **commodity codes** is available in the Supplier Information Portal which is accessible from every Ariba Network account.

Consult cXML Documentation

In order to configure your website to transact and exchange Data with SAP Ariba Network and SAP Ariba Procurement Application via cXML. **cXML Solutions Guide** and the **cXML User Guide** are available in the Supplier Information Portal.

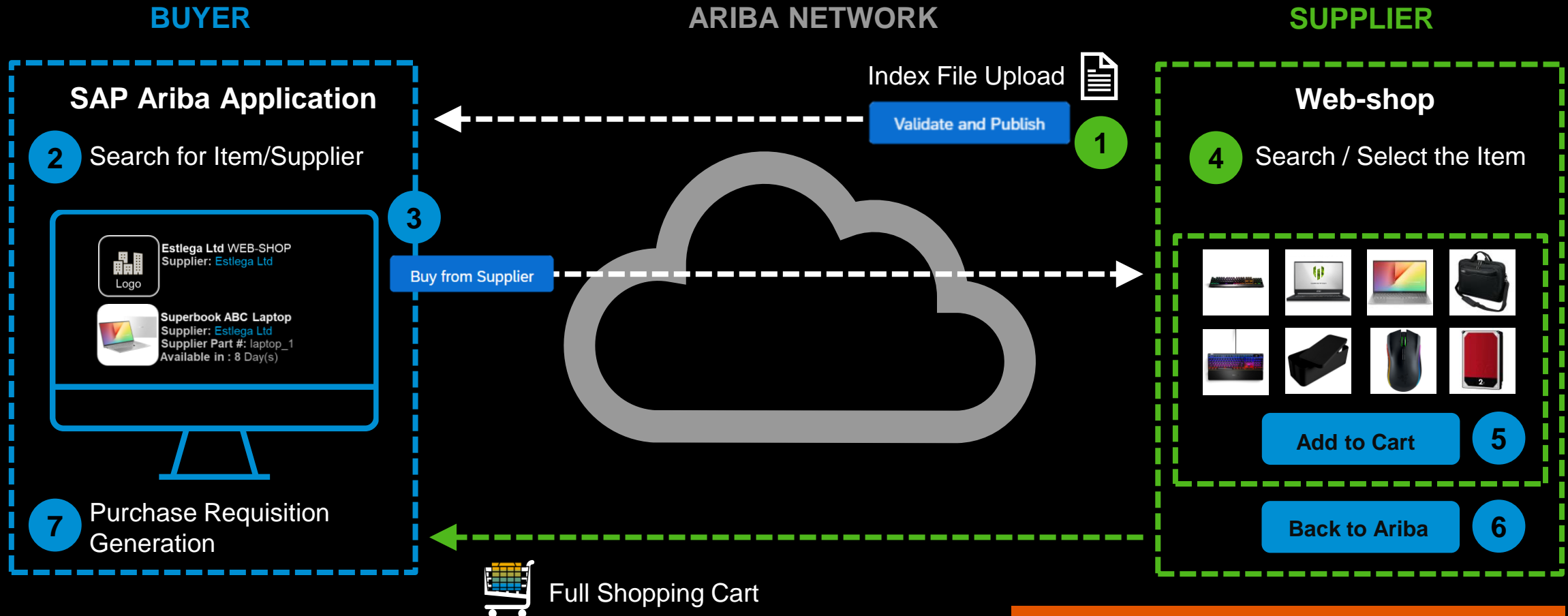
Project Timelines



System Architecture



Process Architecture: Functional and Purchase Operations

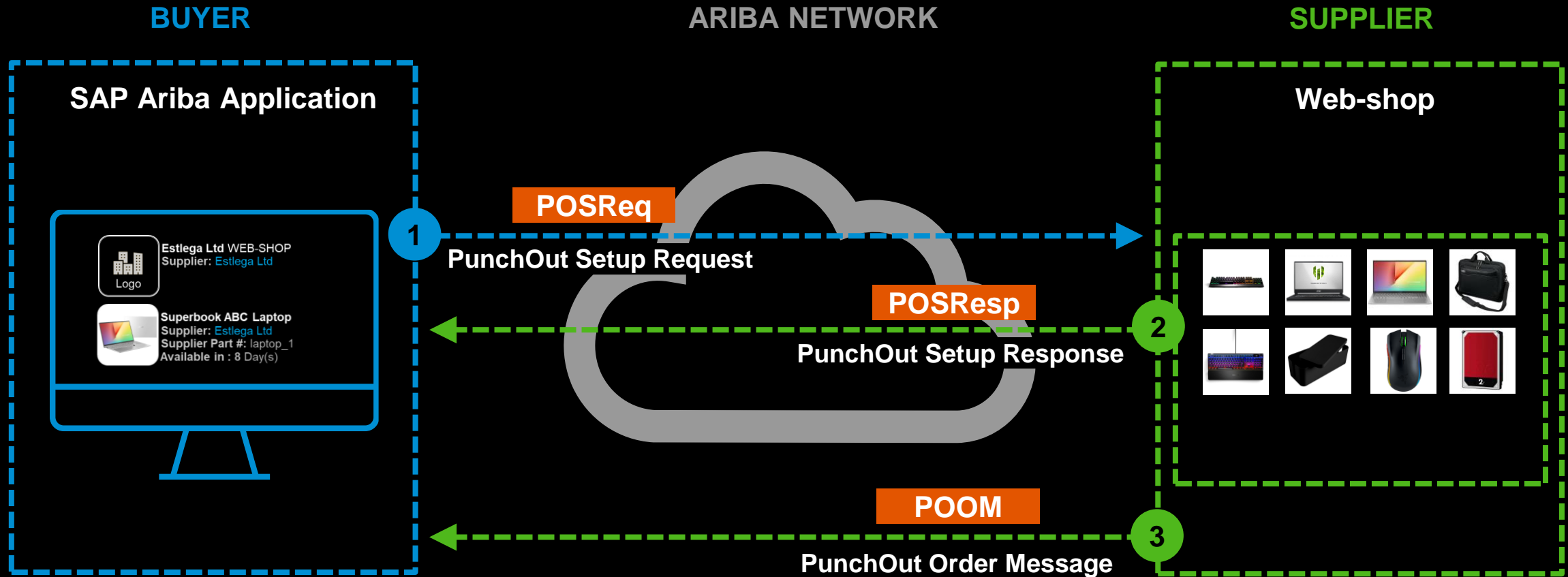


[Click here for AN Configuration Simulation](#)

[Click here for UPLOAD Simulation](#)

[Click here for PURCHASE Simulation](#)

cXML Message Flow



[Click here for AN Configuration Simulation](#)

[Click here for UPLOAD Simulation](#)

[Click here for PURCHASE Simulation](#)

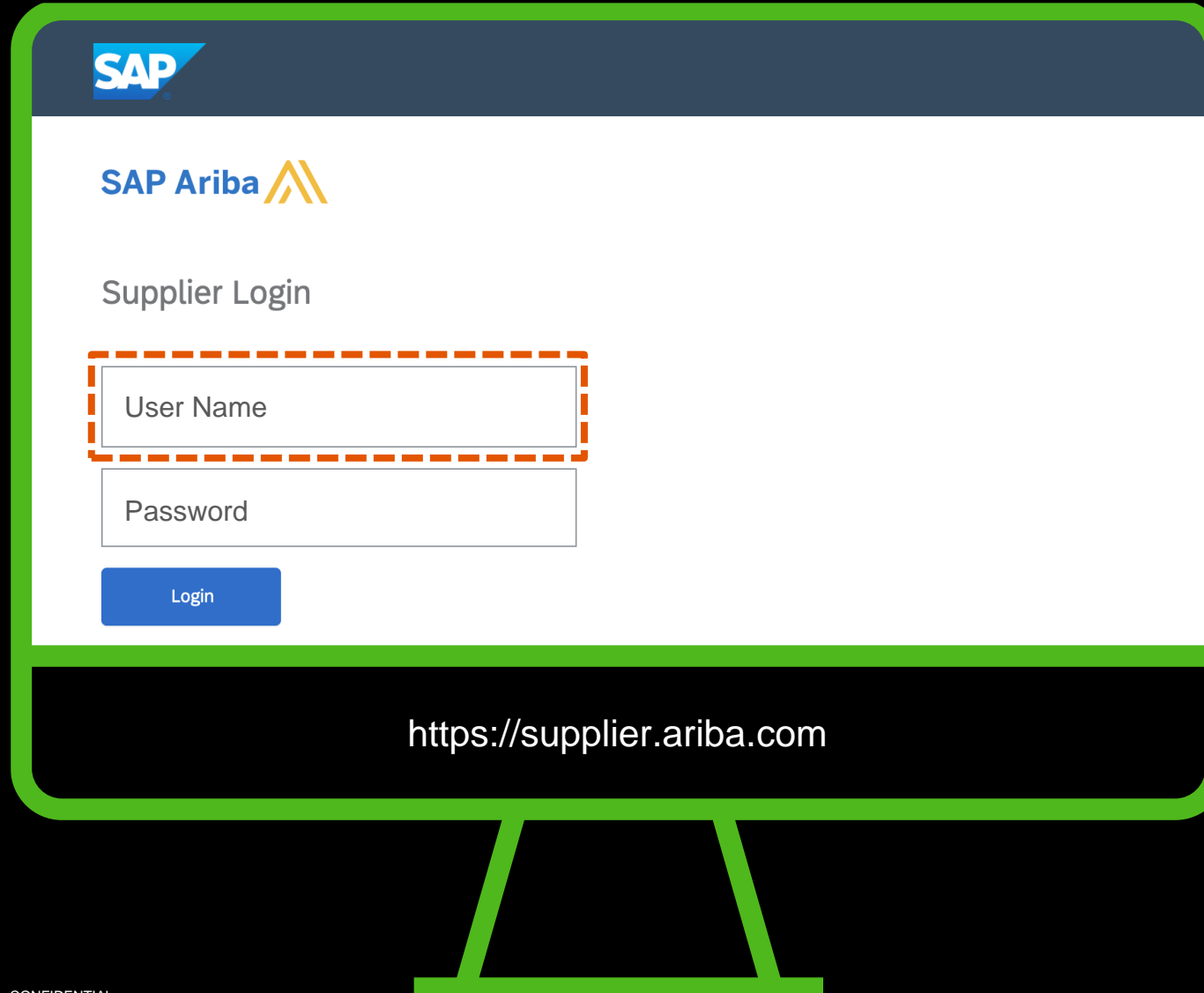
SAP Business Network Account Configuration



Ariba Supplier Portal

1

Enter your **Supplier**
Credentials [press on
the **User Name** field]



The screenshot shows the SAP Ariba Supplier Login interface. At the top left is the SAP logo. Below it is the SAP Ariba logo. The title "Supplier Login" is centered. There are two input fields: "User Name" and "Password". The "User Name" field is highlighted with a dashed orange border. Below the input fields is a blue "Login" button. The URL "https://supplier.ariba.com" is displayed at the bottom of the page. A large orange arrow points from the right towards the "User Name" field.

SAP

SAP Ariba

Supplier Login

User Name

Password

Login

<https://supplier.ariba.com>

Log in



2

Click on **Login**

SAP

SAP Ariba

Supplier Login

Estlega Ltd

●●●●●●●●●●

Login

https://supplier.ariba.com

Landing SBN Page



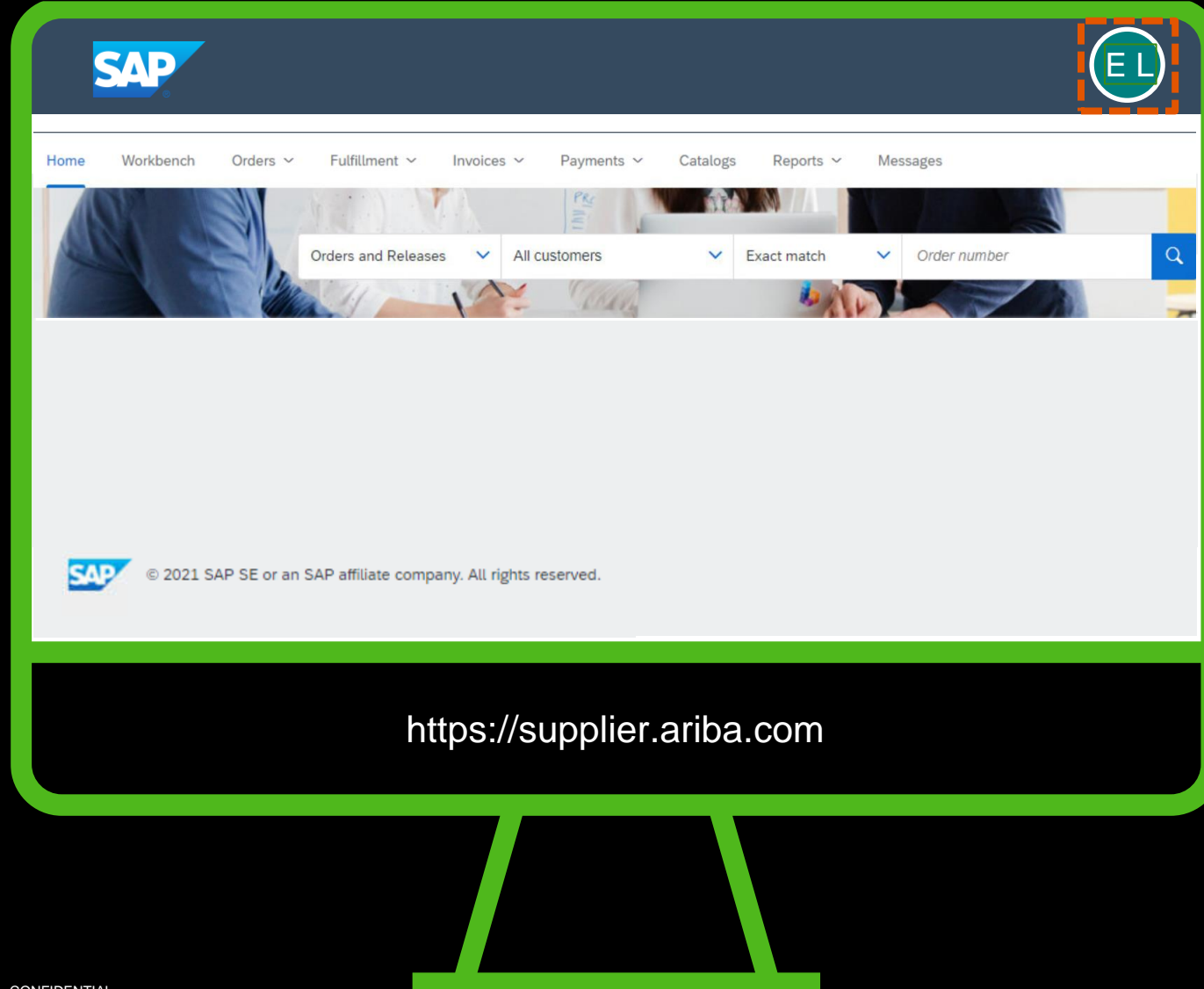
Index



Refresh

3

On Top Left of the
screen Click on
**Account Setting
Icon**



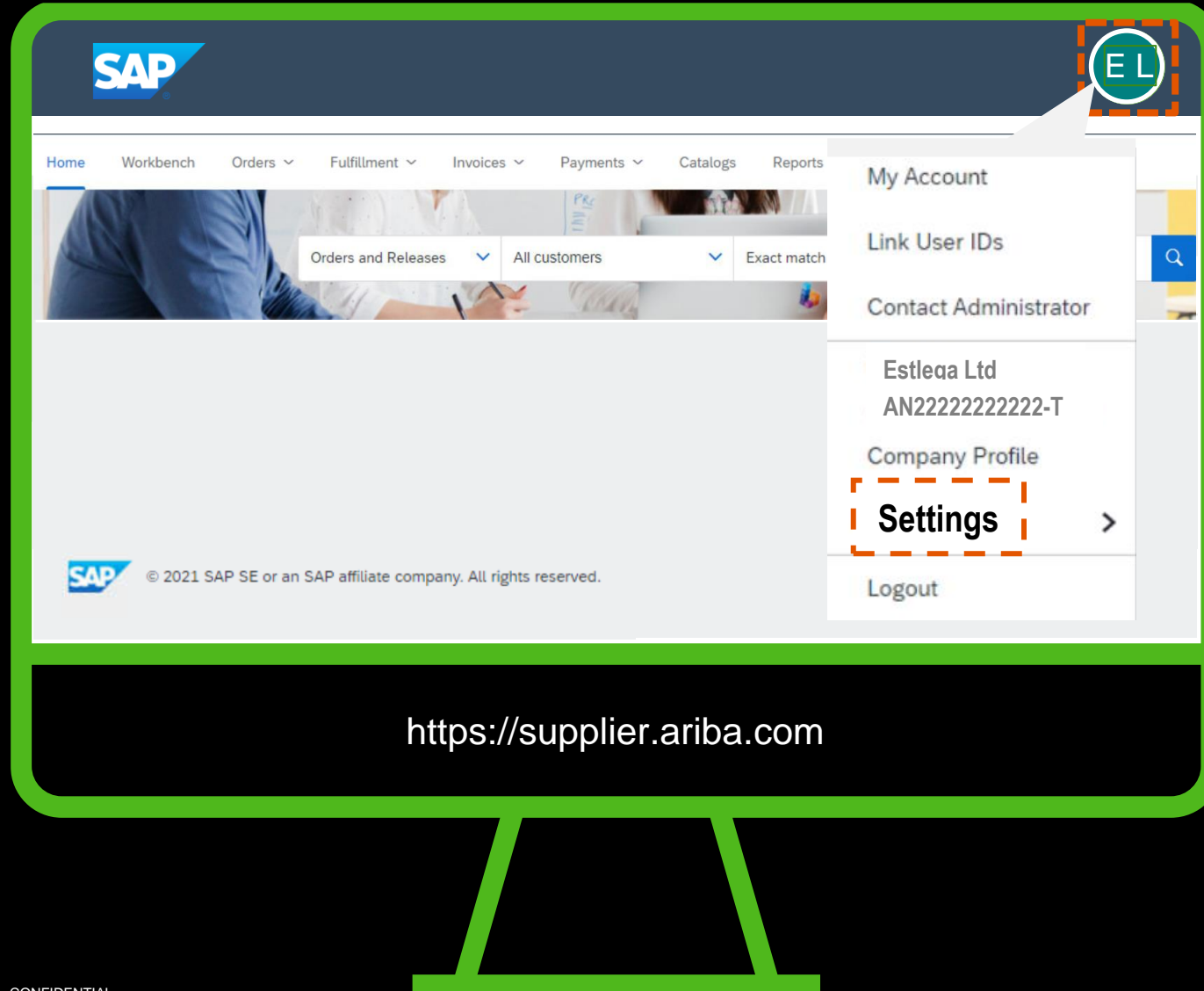
Settings



Refresh

4

From Drop-down
menu, click on
Settings



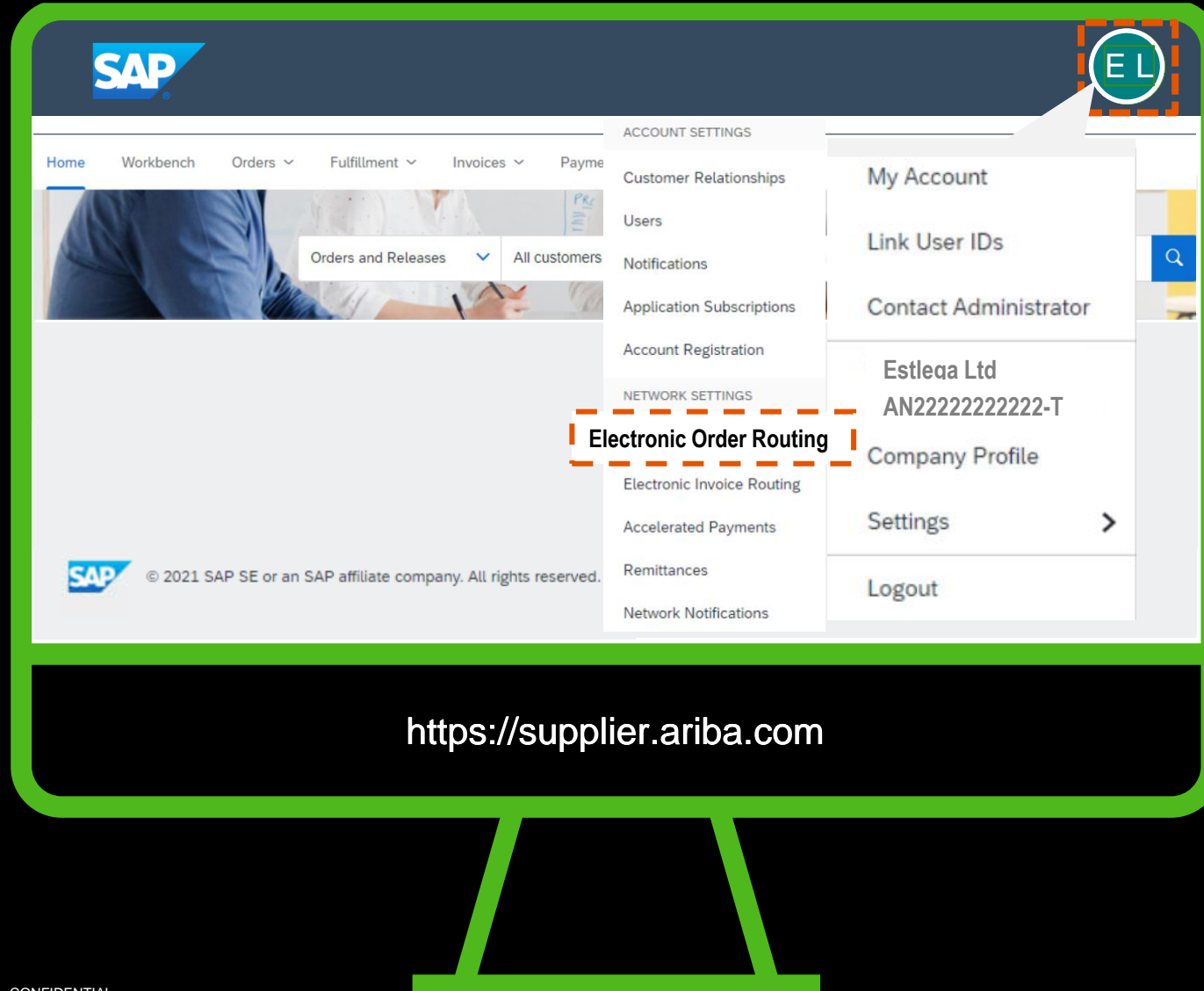
Settings



Refresh

5

From Drop-side
menu, click on
Settings



Electronic Order Routing



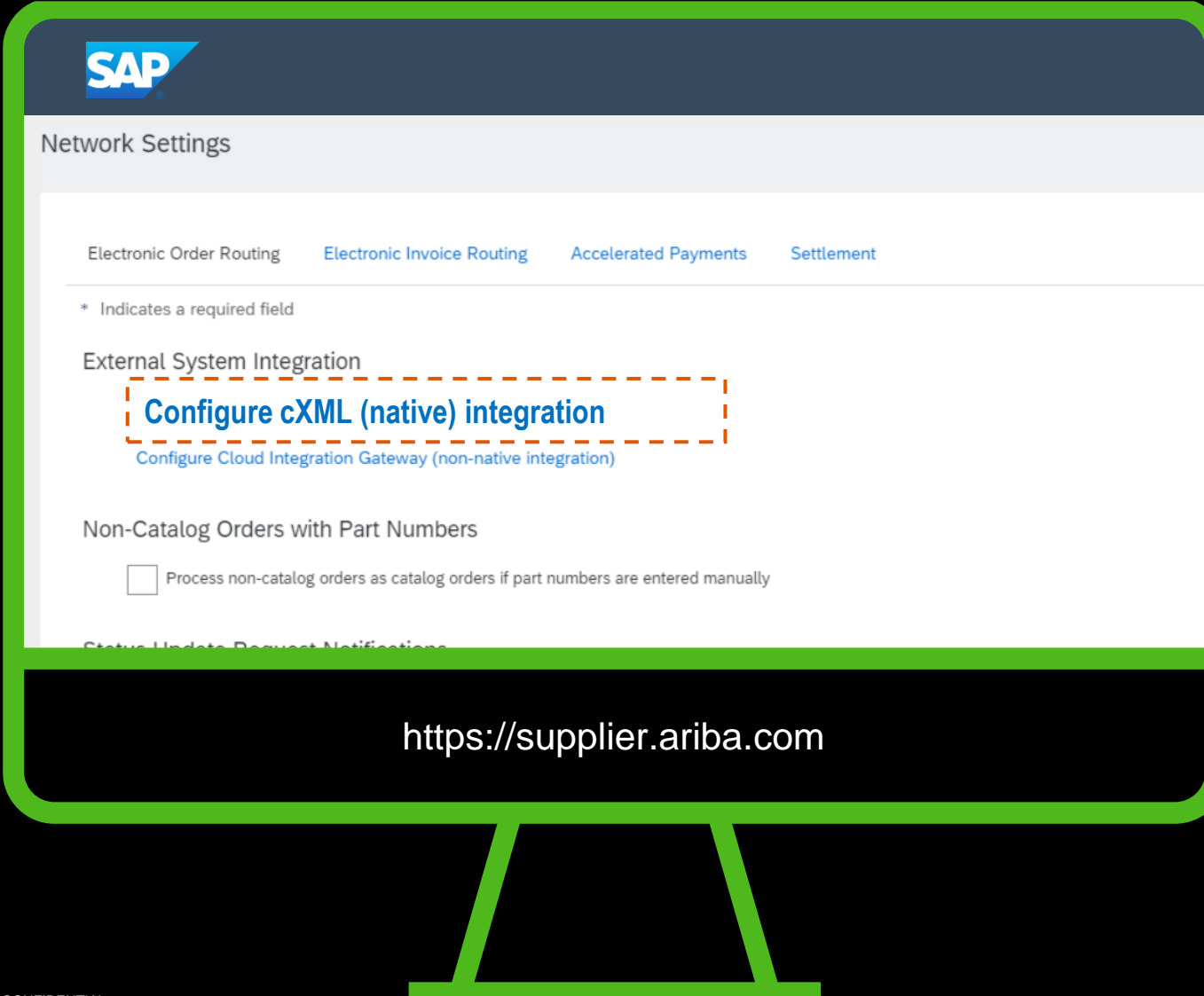

Index



Refresh

6

Click on **Configure cXML (native) integration**



SAP

Network Settings

Electronic Order Routing Electronic Invoice Routing Accelerated Payments Settlement

* Indicates a required field

External System Integration

Configure cXML (native) integration

Configure Cloud Integration Gateway (non-native integration)

Non-Catalog Orders with Part Numbers

☐ Process non-catalog orders as catalog orders if part numbers are entered manually

Status Update Request Notifications

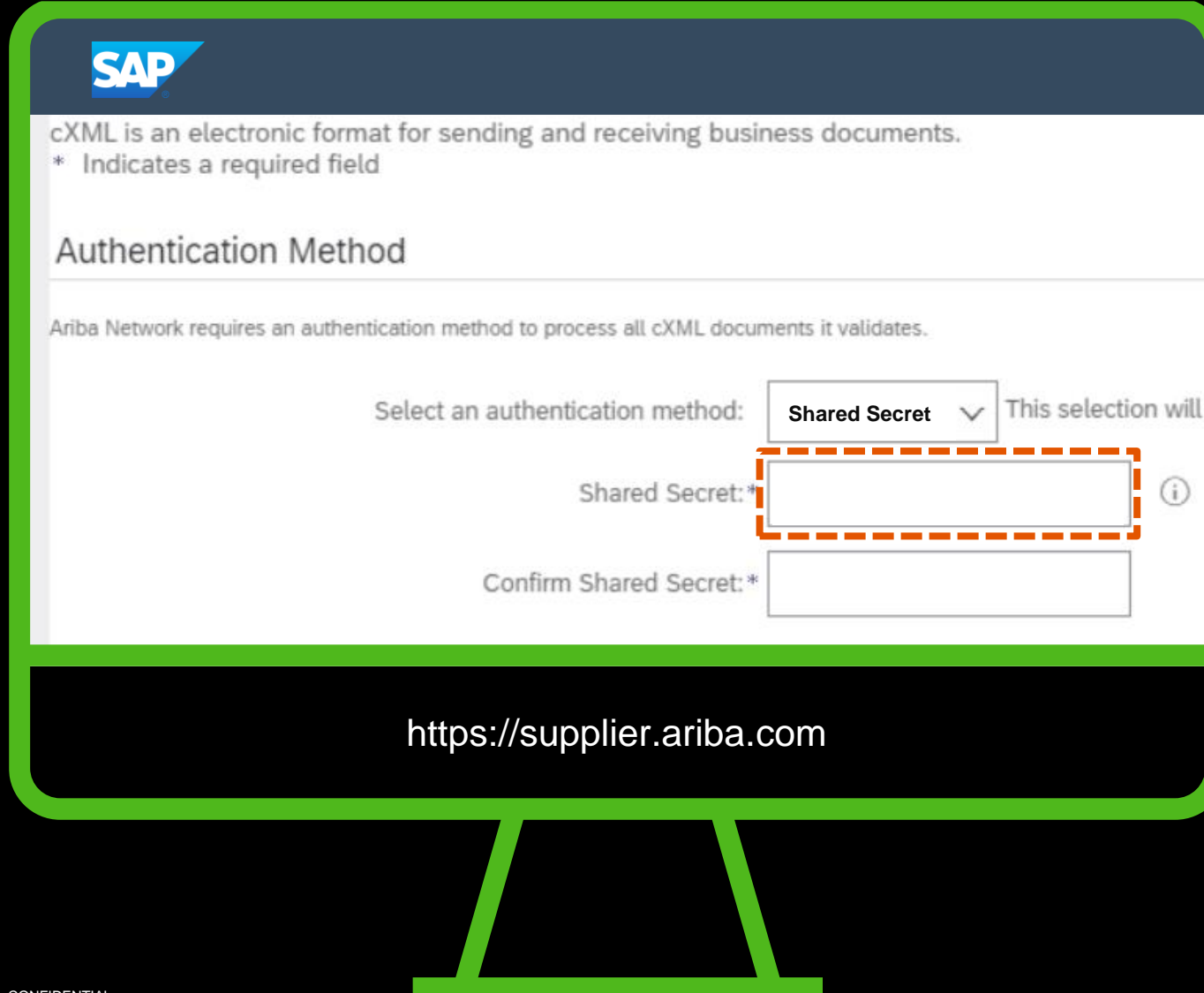
https://supplier.ariba.com

Authentication

7

Select and Configure
the Authentication
Method (**Shared Secret**
Or Certificate)

If you select Shared
Secret, **Insert the value**

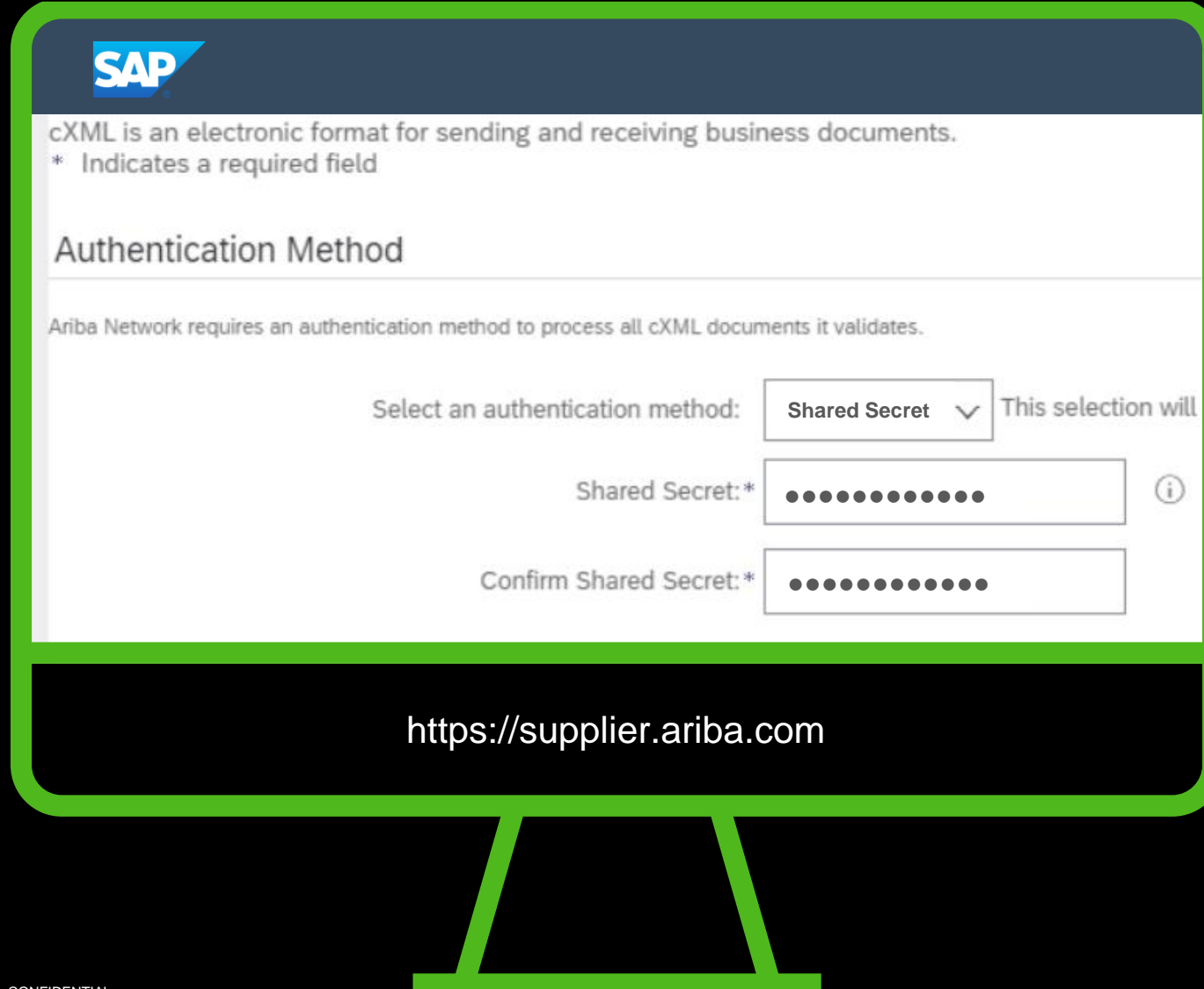


The screenshot shows the SAP Ariba Network configuration interface. At the top is the SAP logo. Below it, a text box explains that cXML is an electronic format for sending and receiving business documents, with an asterisk indicating required fields. The main section is titled 'Authentication Method'. A note states that Ariba Network requires an authentication method to process all cXML documents. Below this, there is a dropdown menu for 'Select an authentication method:' with 'Shared Secret' selected. To the right of the dropdown, it says 'This selection will'. Below the dropdown, there are two input fields: 'Shared Secret: *' and 'Confirm Shared Secret: *'. The 'Shared Secret' field is highlighted with a dashed orange border, and an orange arrow points to it from the right. An information icon (i) is next to the 'Shared Secret' field. At the bottom of the screen, the URL 'https://supplier.ariba.com' is displayed.

Shared Secret

8

Now **Scroll
Down**
And click on
Save



SAP

cXML is an electronic format for sending and receiving business documents.
* Indicates a required field

Authentication Method

Ariba Network requires an authentication method to process all cXML documents it validates.

Select an authentication method: **Shared Secret** ▼ This selection will

Shared Secret: * ⓘ

Confirm Shared Secret: *

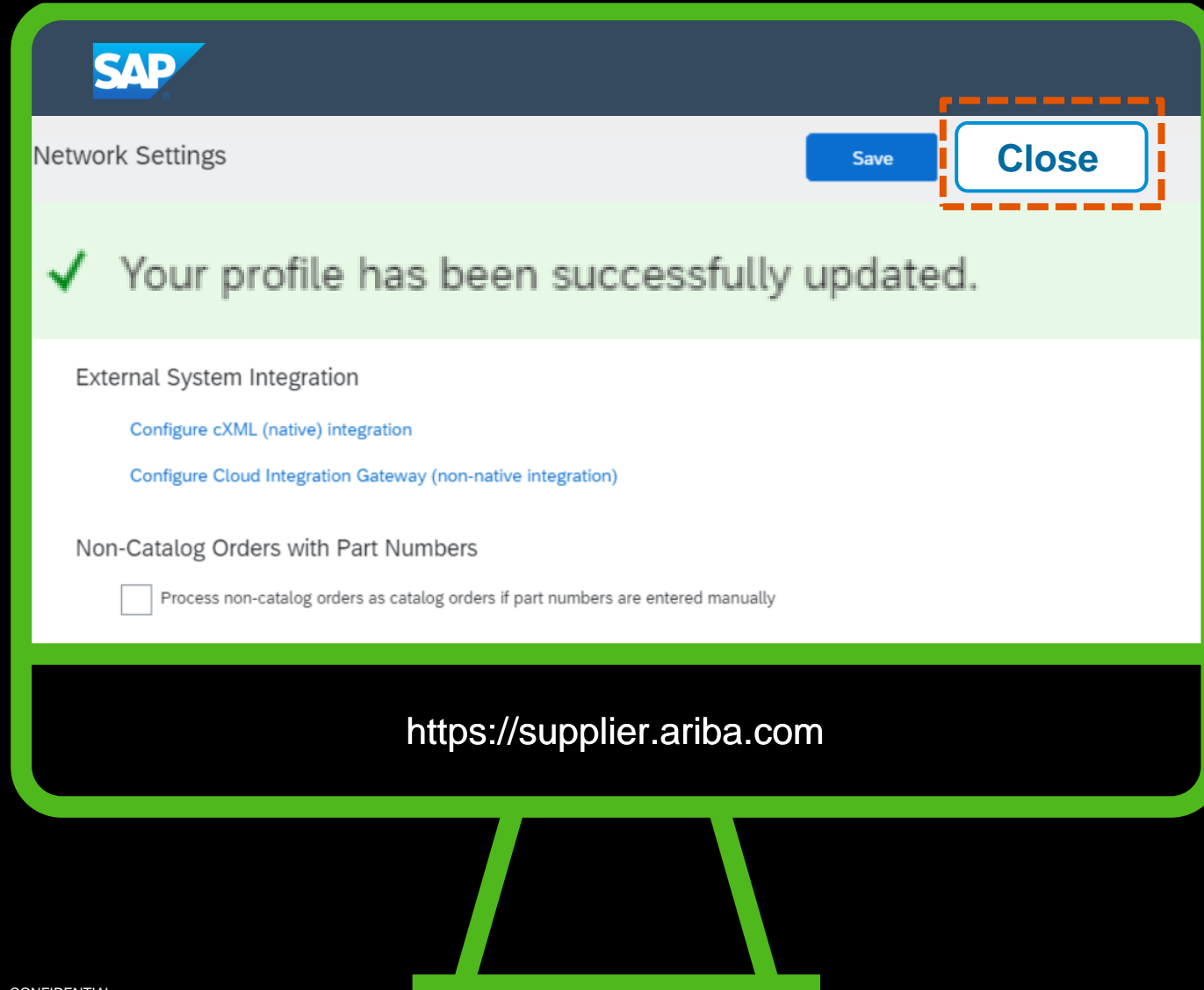
<https://supplier.ariba.com>

End of Setup



9

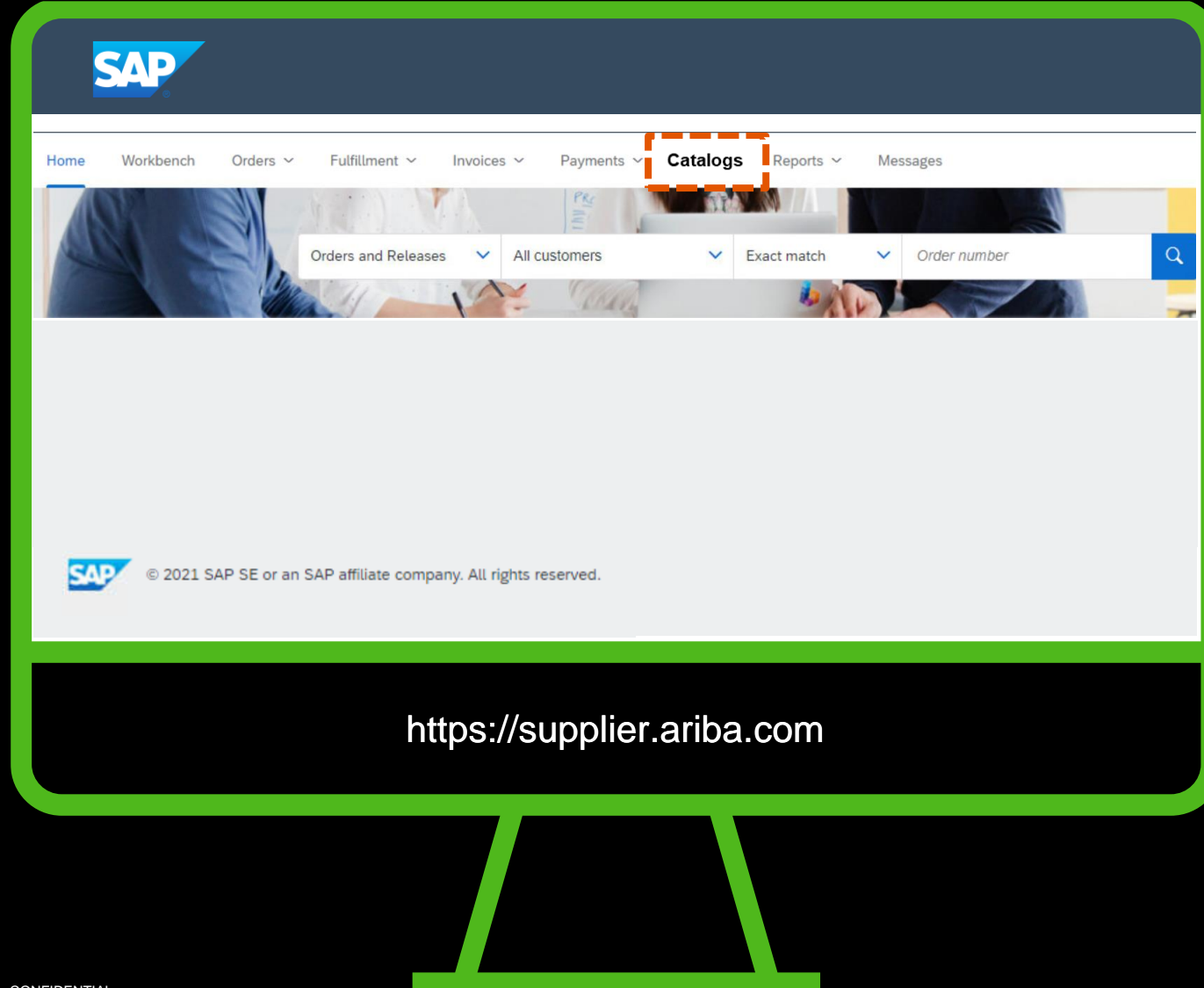
Click on **Close** and you will be sent to the page explaining how to fill in the **INDEX FILE**



Main Page

10

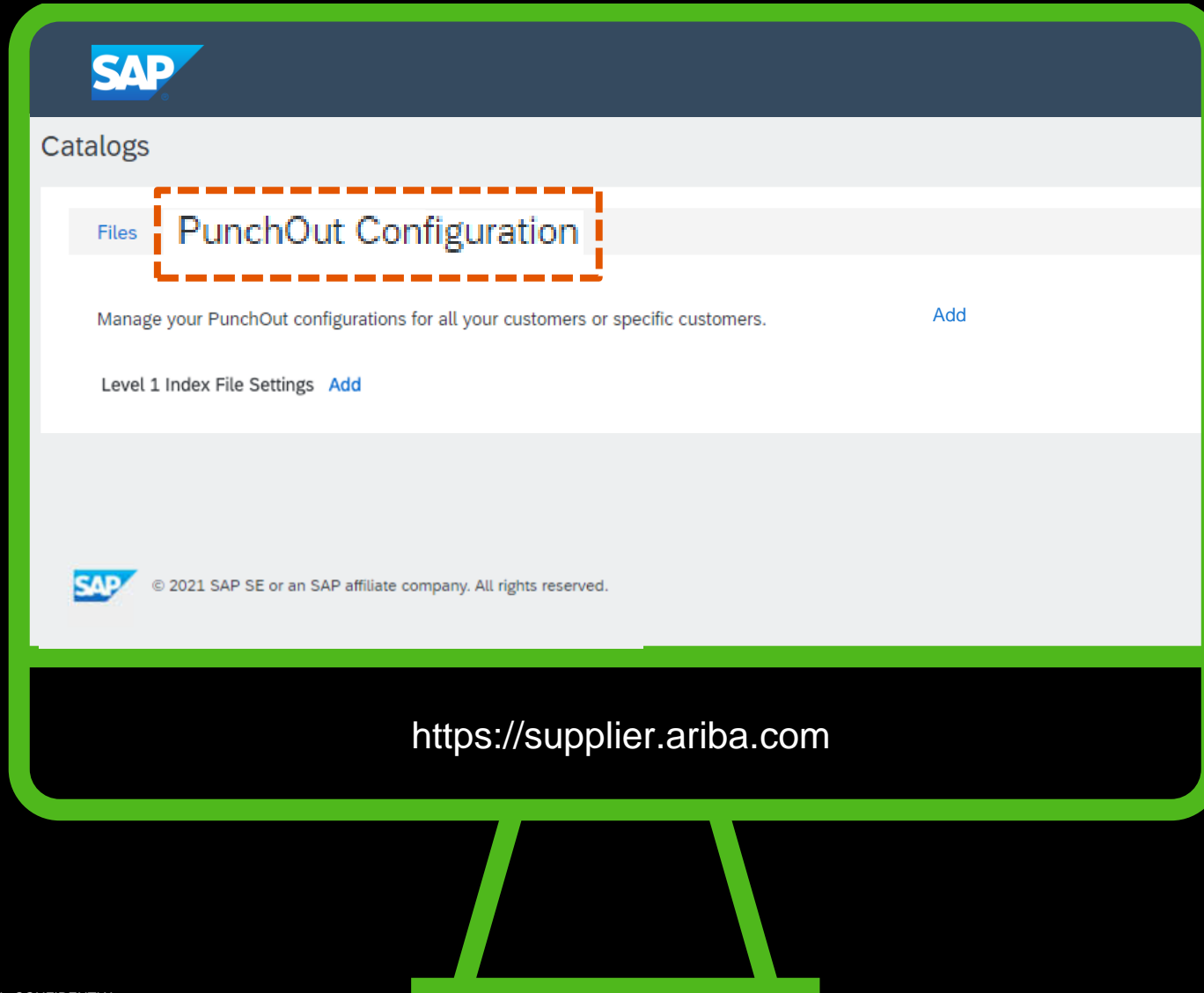
Go back to the Main
page and Click on
Catalogs Tab on
Top



Catalog Page

11

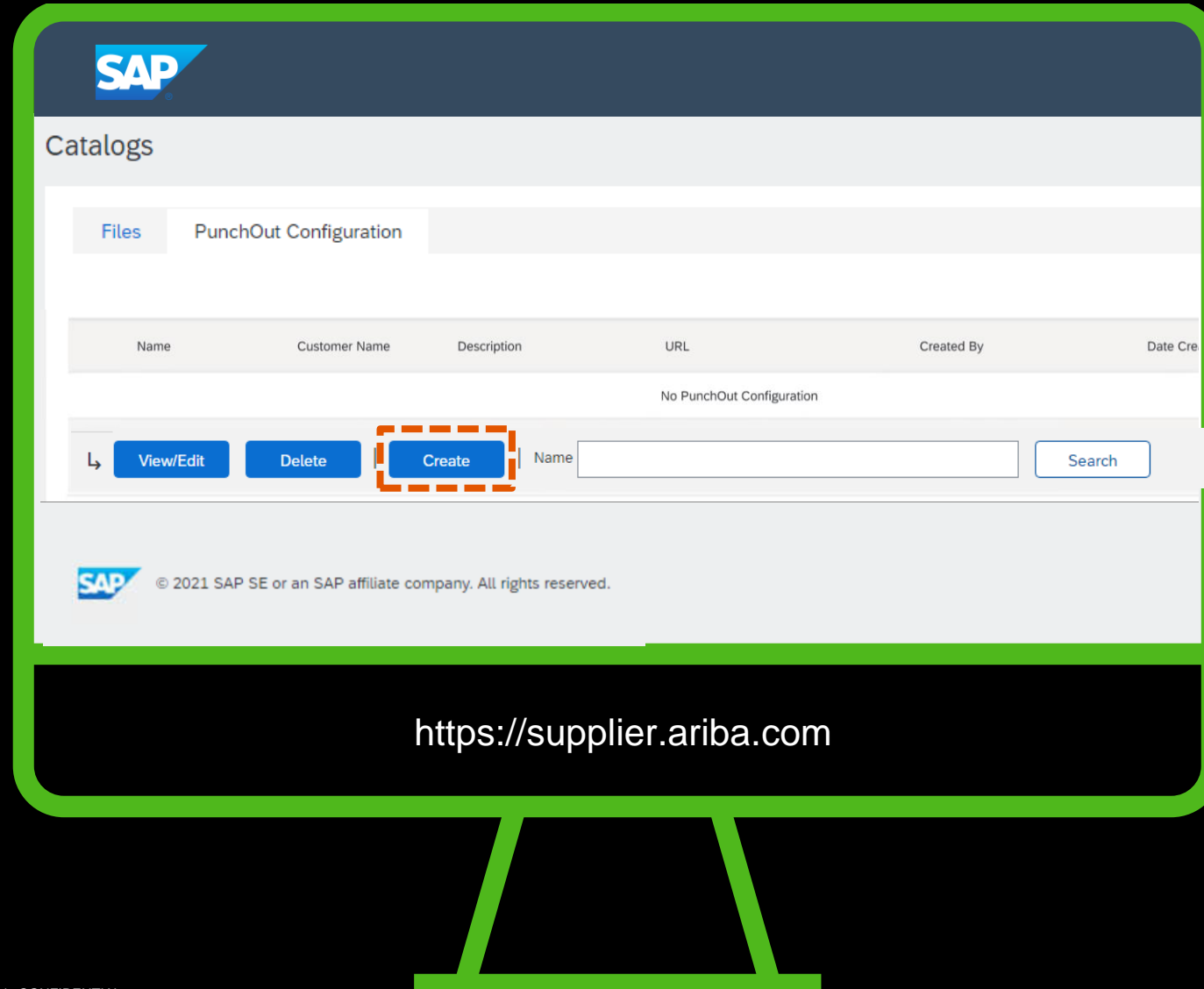
Click on **PunchOut Configuration** Tab



PunchOut Configuration

11

Click **Create** to add
a **New PunchOut
Configuration**



The screenshot shows the SAP 'Catalogs' interface for 'PunchOut Configuration'. It features a table with columns: Name, Customer Name, Description, URL, Created By, and Date Created. The table is currently empty, displaying 'No PunchOut Configuration'. Below the table are three buttons: 'View/Edit', 'Delete', and 'Create'. The 'Create' button is highlighted with a red dashed border. To the right of the buttons is a 'Name' search field and a 'Search' button. An orange arrow points from the right towards the 'Create' button. The SAP logo is in the top left corner, and the footer contains the text '© 2021 SAP SE or an SAP affiliate company. All rights reserved.' Below the screenshot, the URL 'https://supplier.ariba.com' is displayed.

Name	Customer Name	Description	URL	Created By	Date Created
No PunchOut Configuration					

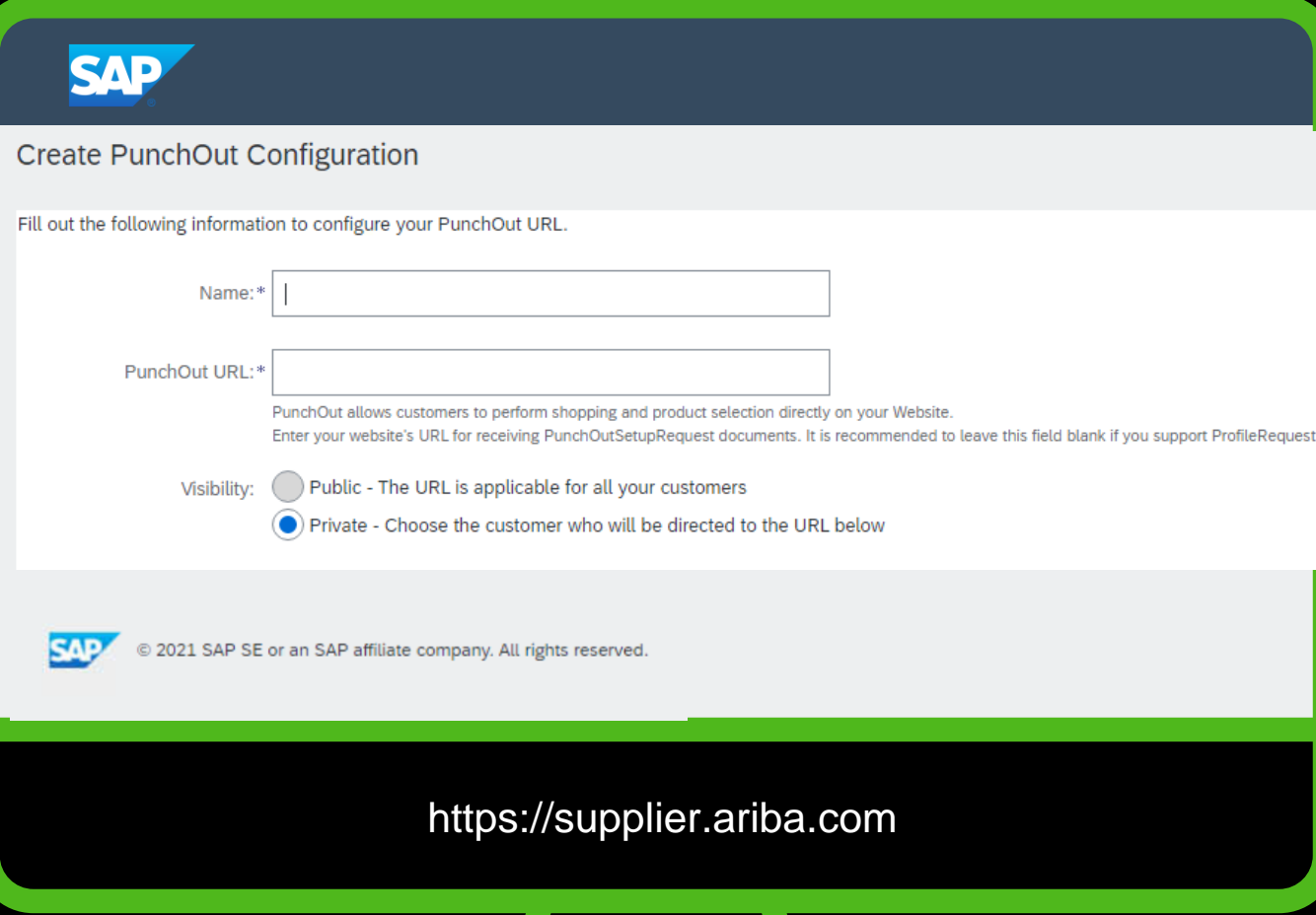
View/Edit Delete **Create** Name Search

https://supplier.ariba.com

PunchOut Configuration – Name and PunchOut URL

12

Provide a **Name**
and a **PunchOut URL** for the new
Configuration
(Web-shop's URL)



The image shows a SAP web interface for creating a PunchOut configuration. The form is titled 'Create PunchOut Configuration' and includes instructions to fill out information for configuring the PunchOut URL. It features two input fields: 'Name:*' and 'PunchOut URL:*'. Below the 'PunchOut URL:*' field, there is explanatory text about PunchOut functionality and a note about ProfileRequest. A 'Visibility' section contains two radio buttons: 'Public' (selected) and 'Private'. The footer of the form displays the SAP logo and copyright information. The entire form is presented within a green monitor-like frame. Two orange arrows point to the right, highlighting the 'Name' and 'PunchOut URL' fields.

SAP

Create PunchOut Configuration

Fill out the following information to configure your PunchOut URL.

Name:*

PunchOut URL:*

PunchOut allows customers to perform shopping and product selection directly on your Website.
Enter your website's URL for receiving PunchOutSetupRequest documents. It is recommended to leave this field blank if you support ProfileRequest

Visibility: ☒ Public - The URL is applicable for all your customers
☐ Private - Choose the customer who will be directed to the URL below

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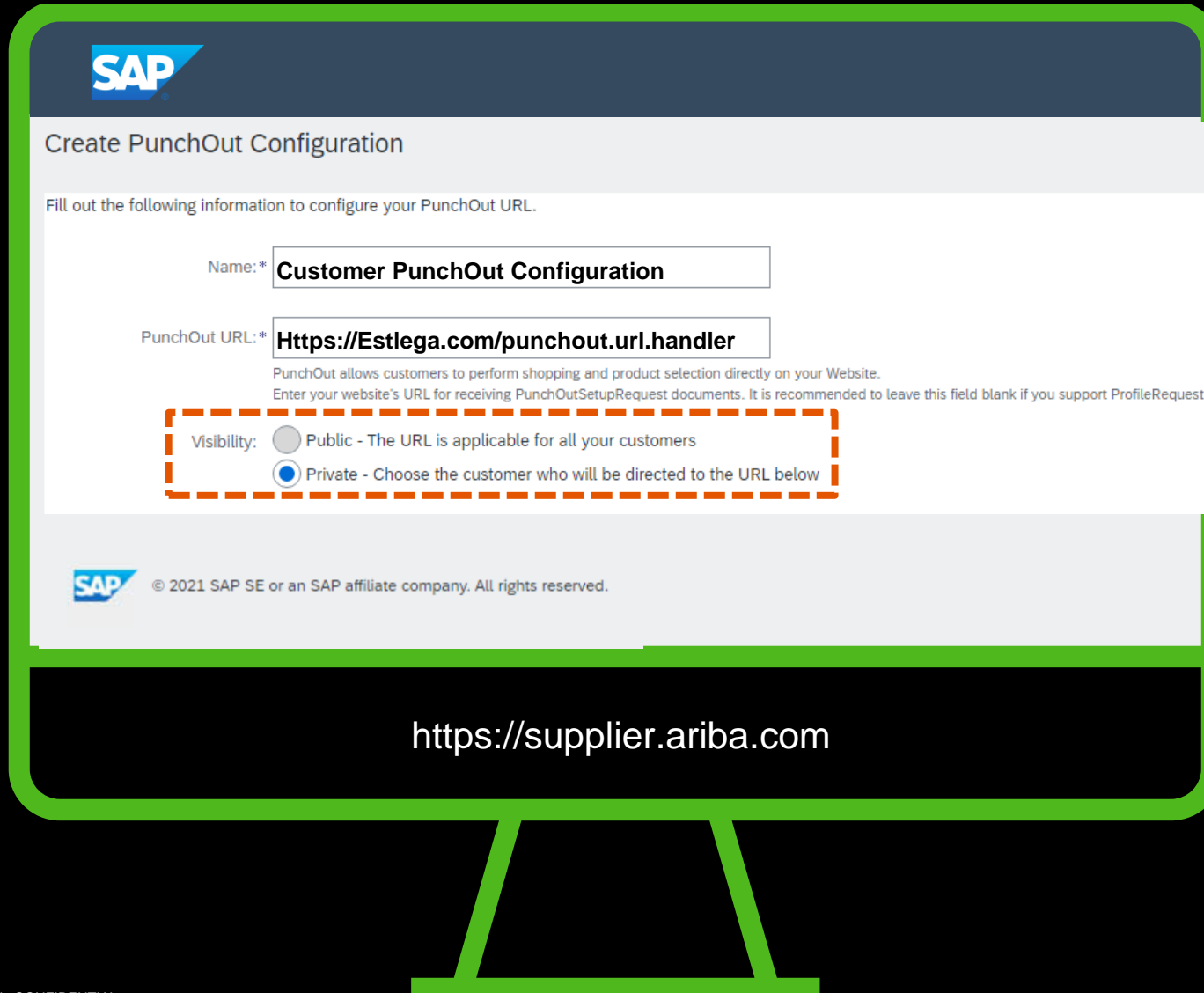
<https://supplier.ariba.com>

PunchOut Configuration - Visibility

13

Now select Visibility

The **Visibility** can be set as **Private** if the **PunchOut URL** is for a specific Customer connection, or it can be set as **Public**, if the **PunchOut URL** is default for all customers



The image shows a screenshot of the SAP 'Create PunchOut Configuration' form. The form is titled 'Create PunchOut Configuration' and includes instructions: 'Fill out the following information to configure your PunchOut URL.' The form contains two input fields: 'Name:*' with the value 'Customer PunchOut Configuration' and 'PunchOut URL:*' with the value 'Https://Estlega.com/punchout.url.handler'. Below these fields, there is a 'Visibility' section with two radio buttons: 'Public - The URL is applicable for all your customers' and 'Private - Choose the customer who will be directed to the URL below'. The 'Private' option is selected. The form is highlighted with a green border, and an orange arrow points to the 'Private' radio button. Below the form, the URL 'https://supplier.ariba.com' is displayed.

SAP

Create PunchOut Configuration

Fill out the following information to configure your PunchOut URL.

Name:* **Customer PunchOut Configuration**

PunchOut URL:* **Https://Estlega.com/punchout.url.handler**

PunchOut allows customers to perform shopping and product selection directly on your Website.
Enter your website's URL for receiving PunchOutSetupRequest documents. It is recommended to leave this field blank if you support ProfileRequest

Visibility: ☐ Public - The URL is applicable for all your customers
☒ Private - Choose the customer who will be directed to the URL below

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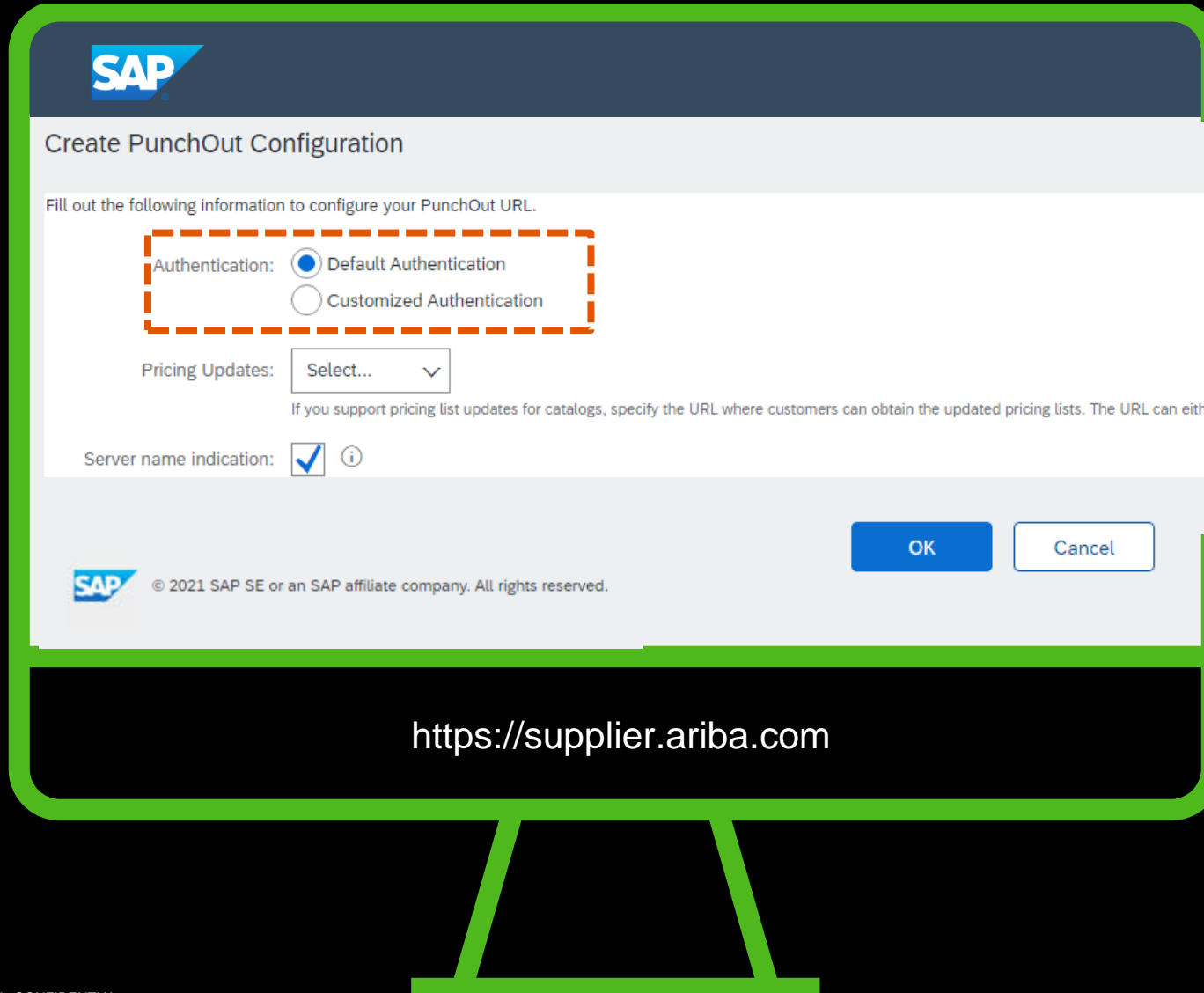
<https://supplier.ariba.com>

PunchOut Configuration - Default Authentication

14

Select **Default Authentication**

Default Authentication will pick up the authentication under cXML setup shown on slides 17-20



The image shows a SAP PunchOut Configuration dialog box. The title bar is dark blue with the SAP logo. The main content area is white and contains the following elements:

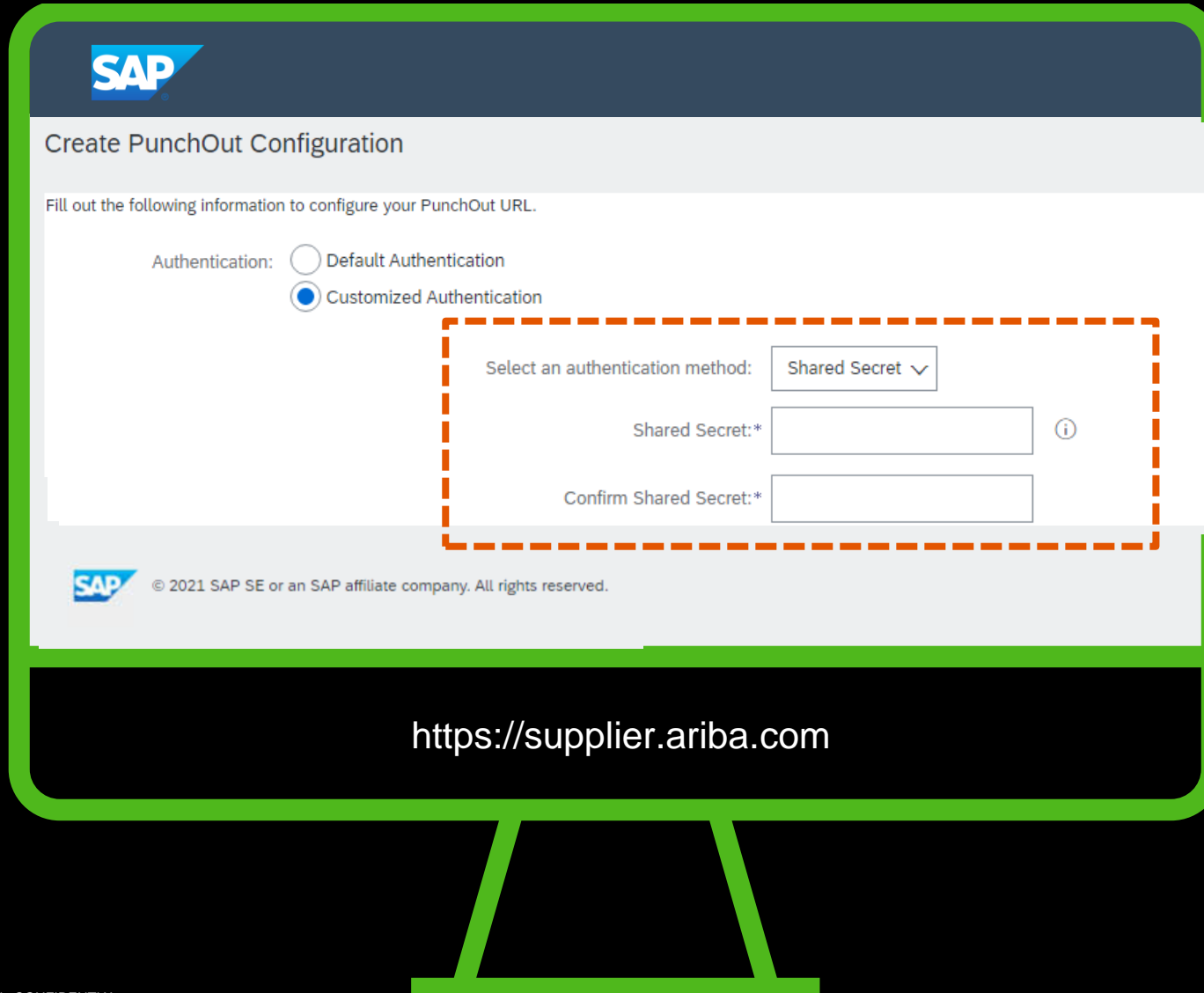
- Create PunchOut Configuration** (Section Header)
- Fill out the following information to configure your PunchOut URL.** (Instruction)
- Authentication:** Two radio buttons are present: ☒ **Default Authentication** and ☐ **Customized Authentication**. This section is highlighted with a dashed orange border.
- Pricing Updates:** A dropdown menu with the text "Select..." and a downward arrow.
- If you support pricing list updates for catalogs, specify the URL where customers can obtain the updated pricing lists. The URL can either be a file path or a URL. (Help text)
- Server name indication:** A checkbox that is checked, followed by an information icon (i).
- Buttons:** "OK" and "Cancel" buttons at the bottom right.
- Footer:** SAP logo and copyright text: "© 2021 SAP SE or an SAP affiliate company. All rights reserved."

Below the dialog box, the URL <https://supplier.ariba.com> is displayed in a large, light blue font.

PunchOut Configuration - Customized Authentication

15

Or Select
**Customized
Authentication** and
provide a specific
Authentication for
this Configuration

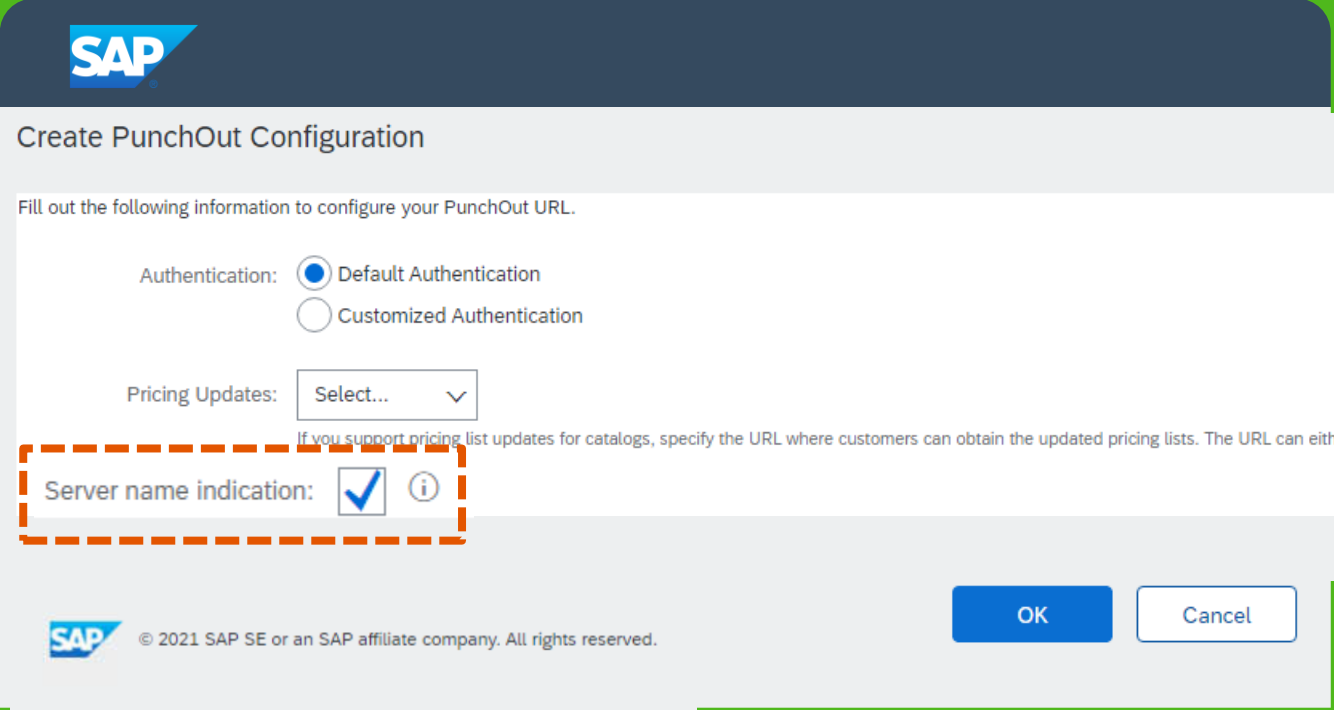


The screenshot shows the SAP 'Create PunchOut Configuration' interface. The 'Authentication' section has two radio buttons: 'Default Authentication' and 'Customized Authentication', with the latter selected. A dashed orange box highlights the 'Customized Authentication' fields: 'Select an authentication method:' (with a dropdown menu showing 'Shared Secret'), 'Shared Secret:*' (with an input field and an information icon), and 'Confirm Shared Secret:*' (with an input field). An orange arrow points from the right towards the 'Shared Secret' input field. The SAP logo is in the top left corner, and the footer contains the text '© 2021 SAP SE or an SAP affiliate company. All rights reserved.' and the URL 'https://supplier.ariba.com'.

PunchOut Configuration – SNI

17

The **SNI** tick box is marked by default. If your URL is **not SNI enabled**, the tick box should be **unmarked**.



The image shows a SAP web interface for creating a PunchOut configuration. The dialog box is titled "Create PunchOut Configuration" and contains the following fields:

- Authentication:** Two radio buttons. "Default Authentication" is selected (indicated by a blue dot), and "Customized Authentication" is unselected.
- Pricing Updates:** A dropdown menu with "Select..." and a downward arrow.
- Server name indication:** A checkbox that is checked (indicated by a blue checkmark). This checkbox is highlighted with a dashed orange border. To its right is an information icon (i).

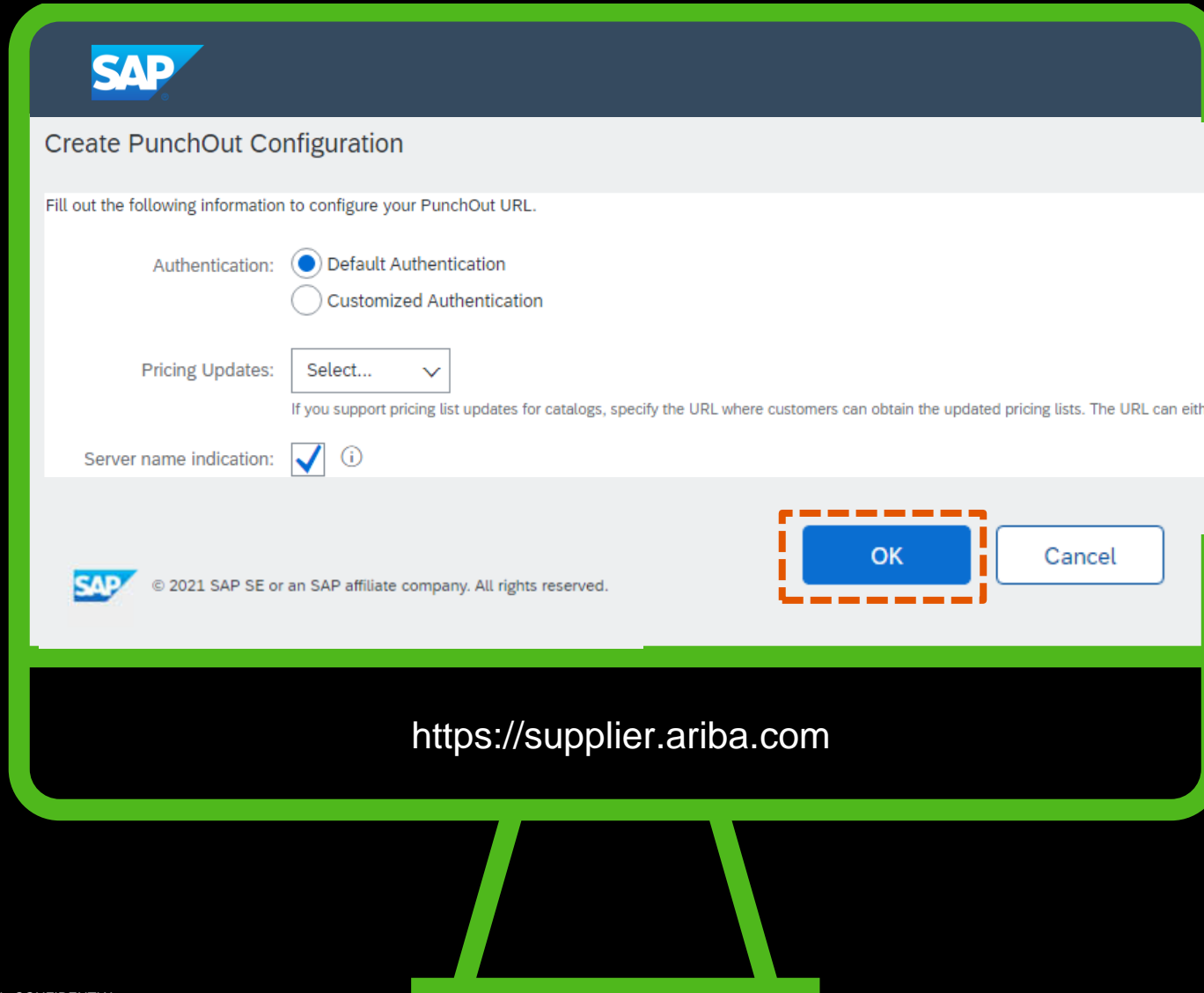
Below the "Server name indication" checkbox, there is a small text note: "If you support pricing list updates for catalogs, specify the URL where customers can obtain the updated pricing lists. The URL can either be a relative URL or a full URL." Below this note are "OK" and "Cancel" buttons. At the bottom of the dialog box, there is a copyright notice: "© 2021 SAP SE or an SAP affiliate company. All rights reserved." Below the dialog box, the URL "https://supplier.ariba.com" is displayed.

PunchOut Configuration – Finish

18

Click OK

The **Visibility** can be set as **Private** if the **PunchOut URL** is for a specific Customer connection, or it can be set as **Public**, if the **PunchOut URL** is default for all customers



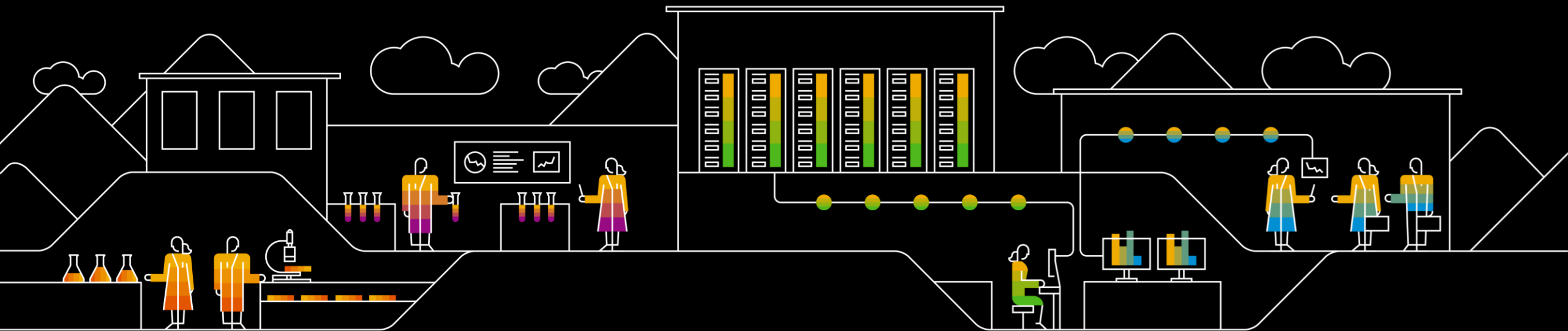
The image shows a SAP web interface for 'Create PunchOut Configuration'. The dialog box has a green border and contains the following elements:

- SAP Logo** in the top left corner.
- Create PunchOut Configuration** title.
- Instruction: 'Fill out the following information to configure your PunchOut URL.'
- Authentication:** Two radio buttons. 'Default Authentication' is selected.
- Pricing Updates:** A dropdown menu showing 'Select...'.
- Text below Pricing Updates: 'If you support pricing list updates for catalogs, specify the URL where customers can obtain the updated pricing lists. The URL can either be...'.
- Server name indication:** A checked checkbox and an information icon.
- Footer:** SAP logo and copyright text: '© 2021 SAP SE or an SAP affiliate company. All rights reserved.'
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right. The 'OK' button is highlighted with a dashed orange border.

Below the dialog box, the URL `https://supplier.ariba.com` is displayed on a green monitor stand.



Preparing and Loading the **Index File**



Option 1

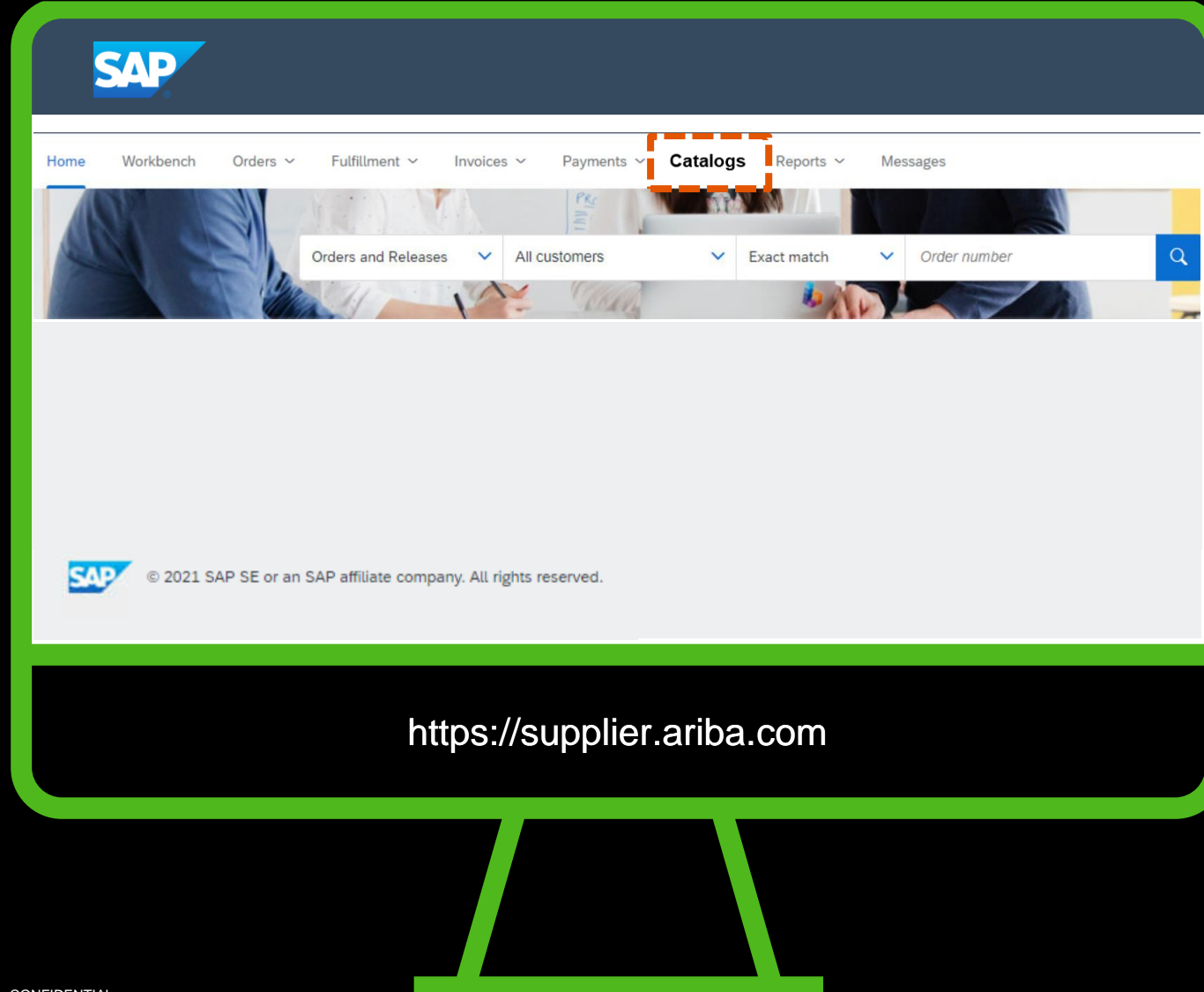
Creation of a PunchOut Level 1 Index File Template on SAP Business Network



Main Page

1

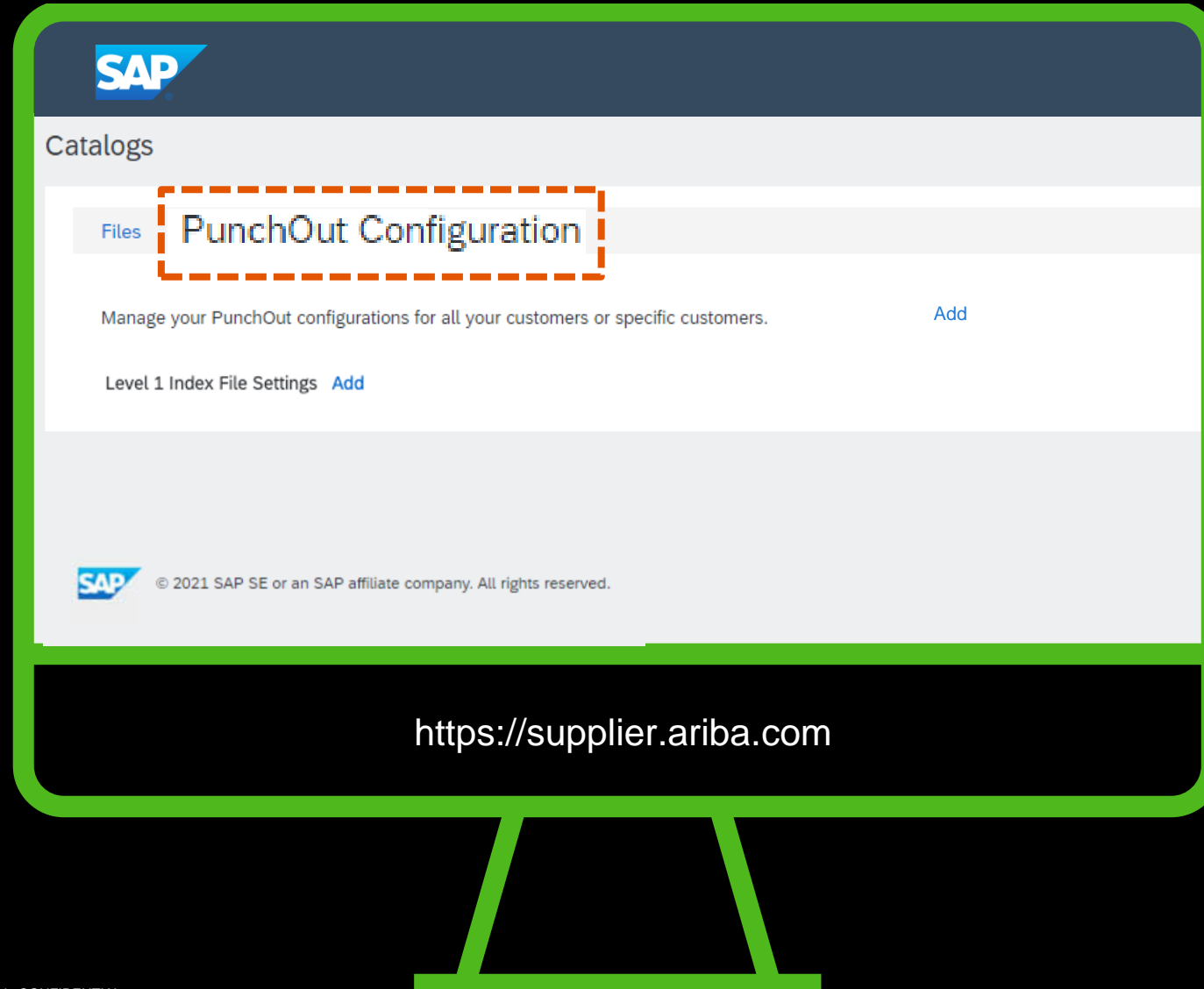
Now Lets Create
The Level 1 Index
File, Click on
Catalogs Tab on
Top



Catalog Page

2

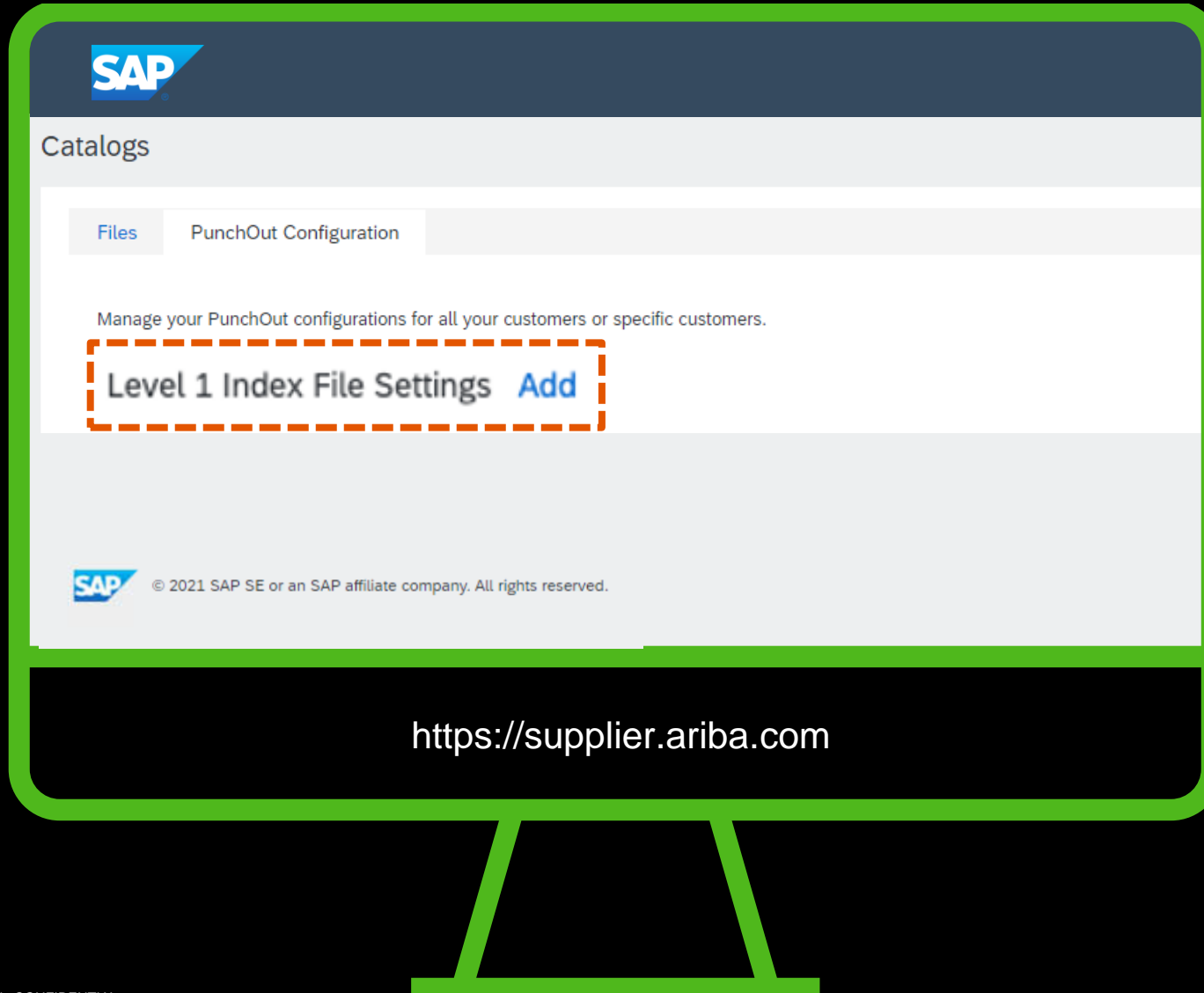
Click on **PunchOut Configuration** Tab



PunchOut Configuration – Index File Settings

3

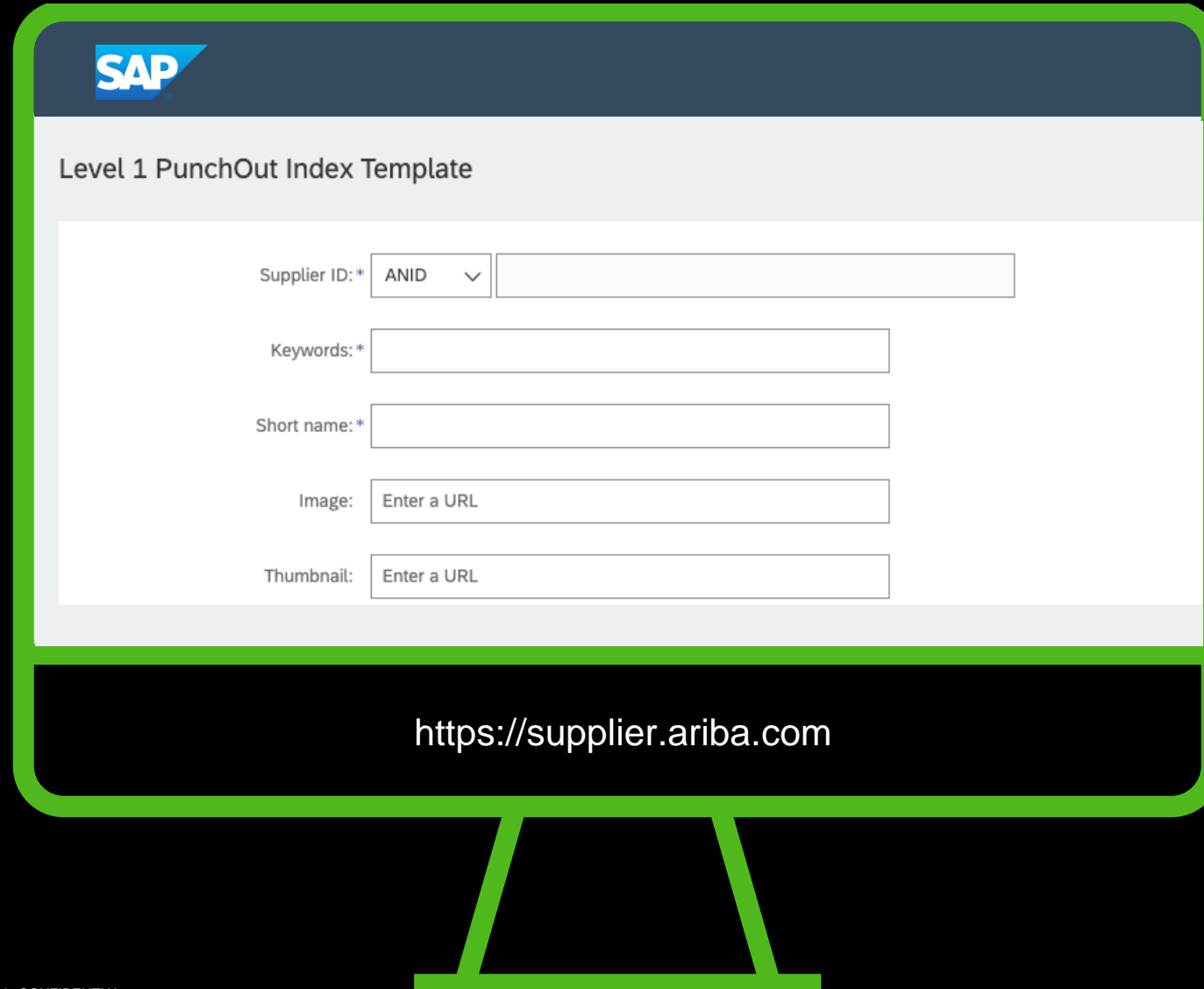
Click on **Add** next to
Level 1 Index File
Settings



Index File Template Setup

4

Fill out the required
information
(View next slide for
details)



The image shows a computer monitor displaying the SAP Level 1 PunchOut Index Template. The form is titled "Level 1 PunchOut Index Template" and features the SAP logo in the top left corner. The form fields are as follows:

- Supplier ID: * ANID (dropdown menu) []
- Keywords: * []
- Short name: * []
- Image: Enter a URL []
- Thumbnail: Enter a URL []

Below the form, the URL <https://supplier.ariba.com> is displayed. An orange arrow points to the right side of the monitor frame.

Index Template Setup Details

Level 1 PunchOut Index Template

Supplier ID:*	ANID ▾	AN02000121414
Keywords:*	[keywords relevant to my catalog]	
Short name:*	PunchOut L1 Catalog	
Image:	https.image.com	
Thumbnail:	https.image.com	

Supplier ID is pre-populated. Can be switched between ANID and DUNS

Key Words are Mandatory.

Short Name Field is Mandatory can be used to show the **Name of your Company** in the UI

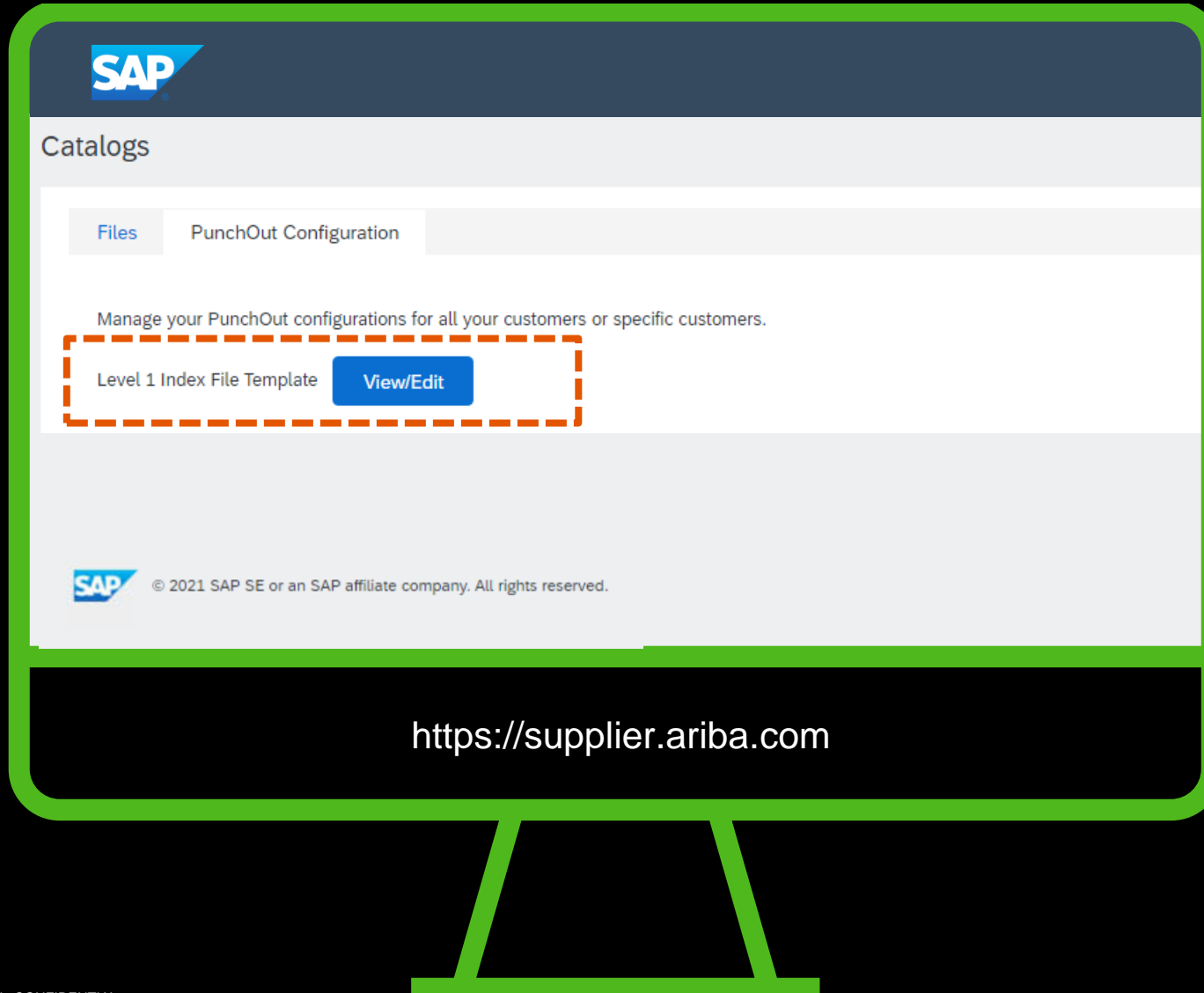
Image Field can be used for your **Company Logo**

Thumbnail Field same as Image

PunchOut Configuration – Index File Edit

4

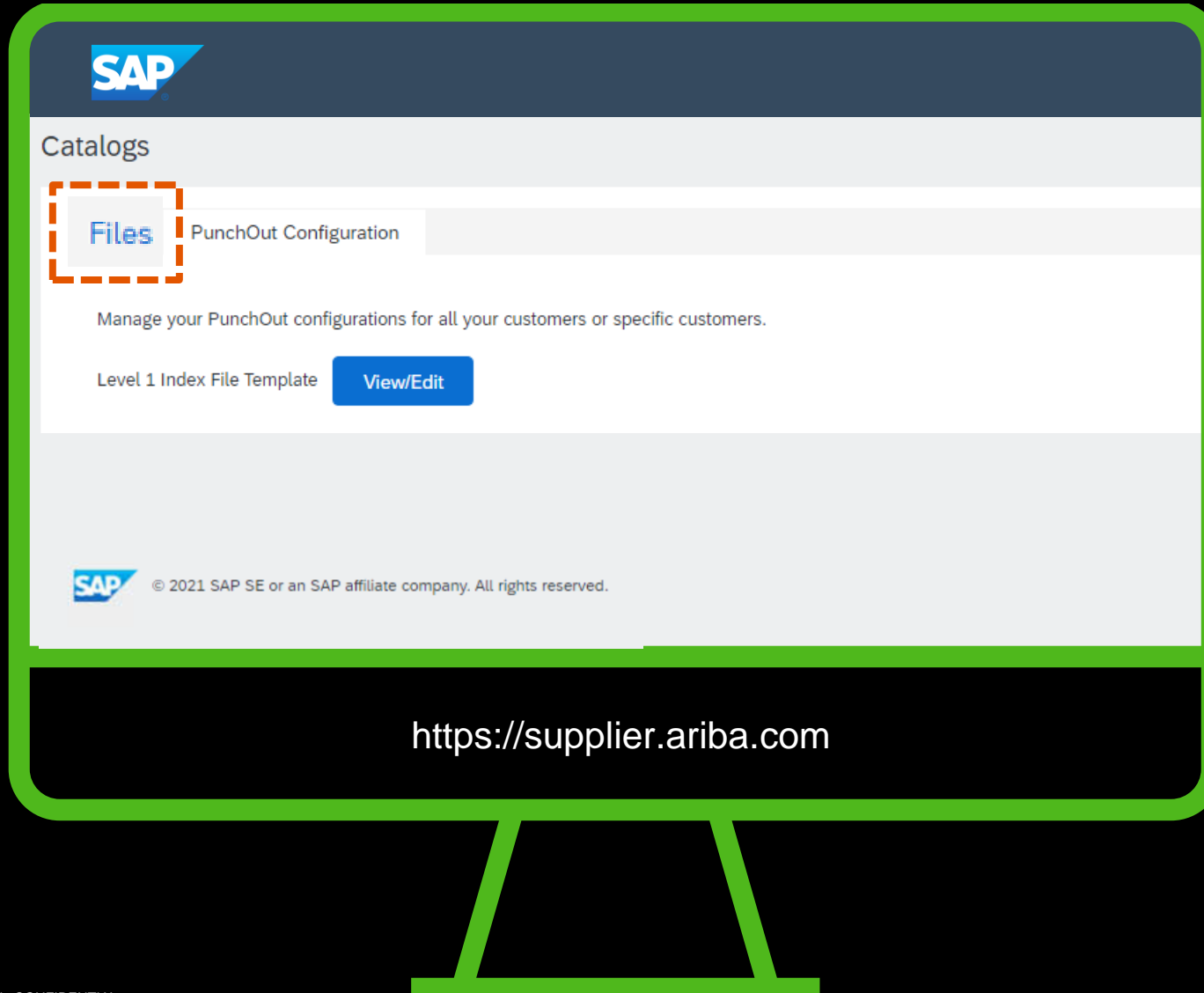
The Level 1 Index File Template can be later edited via button **View/Edit**



Catalog Page

5

Click on the **Files**
tab



Create



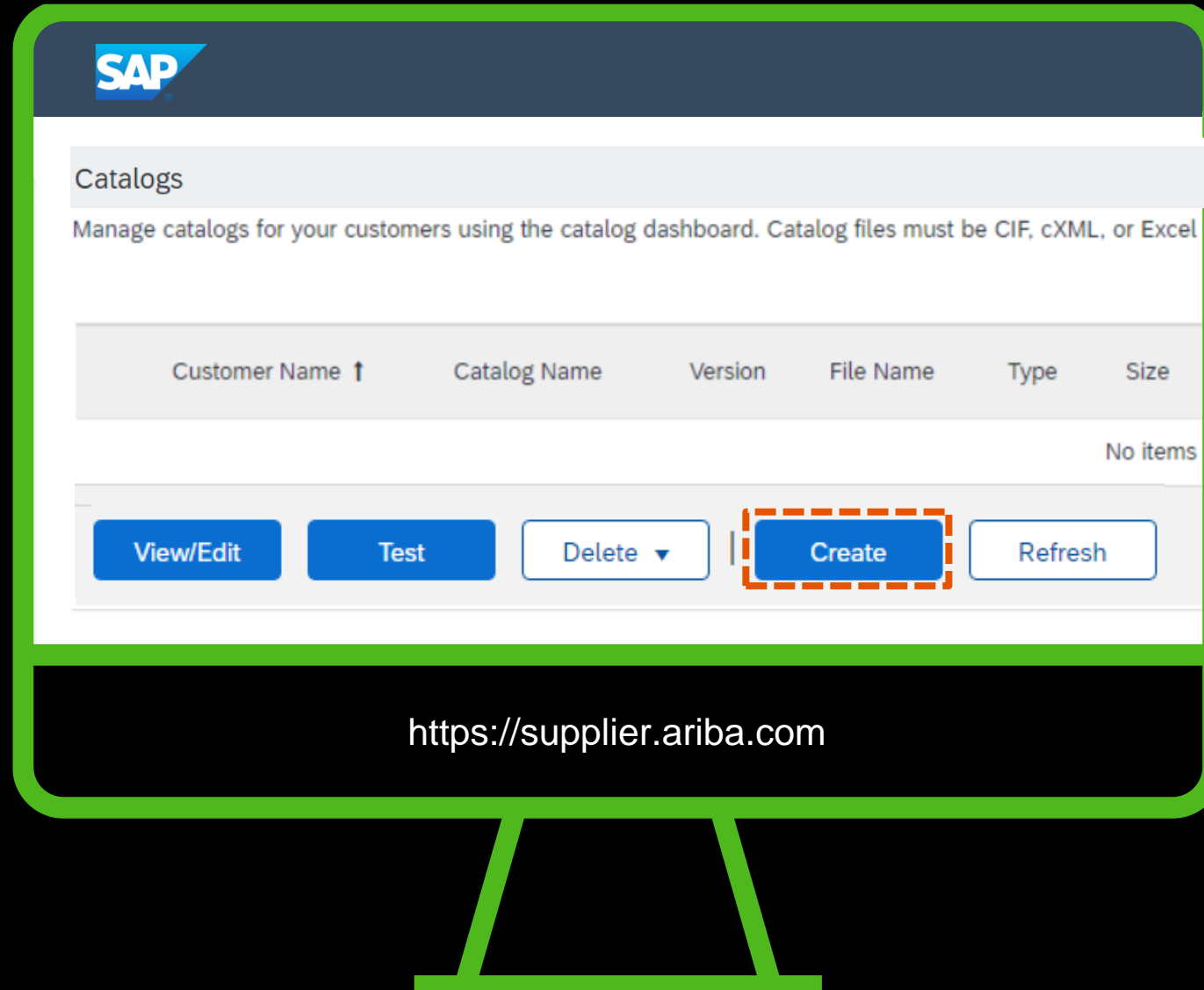
Index



Refresh

6

Click on
Create



Subscription



Index



Refresh

7

Insert the **Catalog Name** (Catalog Subscription)

SAP

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.

1 Details

2 Subscriptions

3 Content

Catalog Name

PunchOut Level 1: ☐

Your index file settings will be used to fill the details on the Content page at step 3. You can add/edit y

Description:

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

Commodities: i

Description

<https://supplier.ariba.com>

Subscription – PunchOut Level 1



Refresh

8

Select the
PunchOut Level 1
tick box.

SAP

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.

1 Details

2 Subscriptions

3 Content

Catalog Name

PunchOut Level 1: ☒

Description:

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

Commodities: ⓘ

https://supplier.ariba.com

Subscription



Index



Refresh

9

Click **Next**

SAP

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.

1 Details

2 Subscriptions

3 Content

Catalog Name Buyer_Supplier_CZ_PunchOut

PunchOut Level 1: ☒

Your index file settings will be used to fill the details on the Content page at step 3. You can add/edit y

Description:

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

Commodities: ⓘ

Description

<https://supplier.ariba.com>

Further Information



Index



Refresh

10

Provide the required information

Item Description will be pre-populated from "Keywords" field in the Index Template

SAP

Create a New Catalog 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 y

You can receive status updates on catalogs, including catalog errors from your customer through email. To receive section.

Keyword filter(Supplier Part ID):*

This value is often used to filter your webshop catalog views

Catalog code:* UNSPSC

Item description:*

<https://supplier.ariba.com>

Further Information



Refresh

11

Click **Next**

SAP

Create a New Catalog

Next Exit

Add customers and set the catalog visibility for customers. Click the customer's name to view validation rules on y

You can receive status updates on catalogs, including catalog errors from your customer through email. To receive section.

1 Details

2 Subscriptions

3 Content

Keyword filter(Supplier Part ID):* **AAA**

This value is often used to filter your webshop catalog views

Catalog code:* UNSPSC 44

Item description:* **Test Keywords**

<https://supplier.ariba.com>

Customer



Index



Refresh

12

Ensure that 'Private' is selected (default) and **select My Customer** from available list of customers linked to your account

SAP

Create a New Catalog

Next Exit

1 Details

2 Subscriptions

3 Content

Visibility: ☒ Private ☐ Public

Customers

☒ My Customer

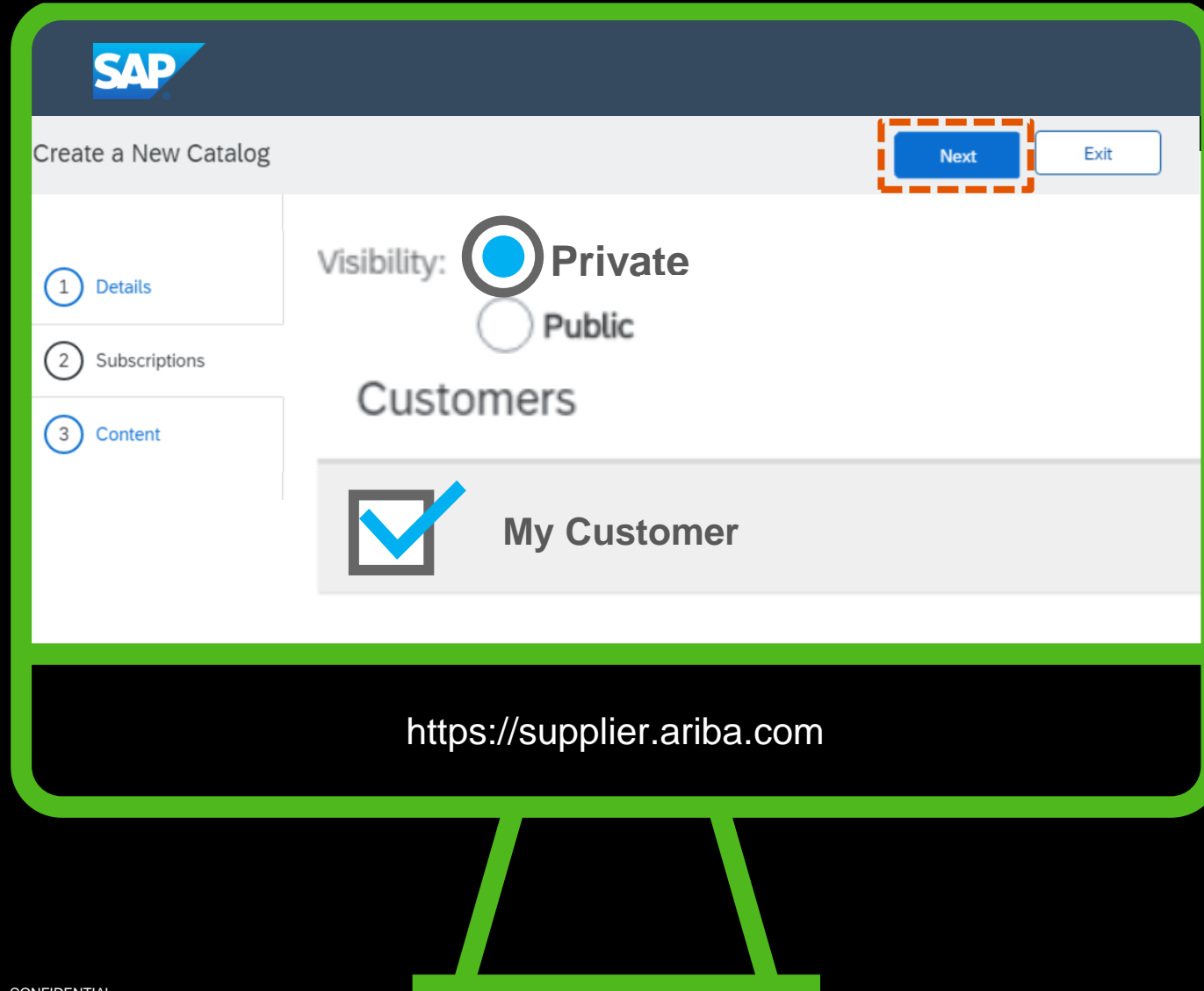
<https://supplier.ariba.com>

Next



13

Click **Next**



SAP

Create a New Catalog

Next Exit

1 Details

2 Subscriptions

3 Content

Visibility: ☒ Private ☐ Public

Customers

☒ My Customer

<https://supplier.ariba.com>

Index Format



14

The information from
the **Level 1 Index File
Template** will be
displayed here

SAP

Create a New Catalog Exit

1 Details

2 Subscriptions

3 Content

✓ PunchOut enabled

Short Name: **PunchOut L1 Catalog**

Keywords: **Test Keywords**

Image URL: **https://testimage.com**

Thumbnail URL: **https://testimage.com**

https://supplier.ariba.com

Index Format



Refresh

15

Click on **Validate and Publish** and you will be sent to the **PURCHASING DEMO**

SAP

Create a New Catalog Exit

✓ PunchOut enabled

1 Details

2 Subscriptions

3 Content

Short Name: **PunchOut L1 Catalog**

Keywords: **Test Keywords**

Image URL: **https://testimage.com**

Thumbnail URL: **https://testimage.com**

Validate and Publish

<https://supplier.ariba.com>

Option 2

Upload of a Static Index File



Index File : How to fill it in



Index File is a template created by SAP Ariba **Catalog Enablement team** based on **Buyer's specific requirements** and sent to **Suppliers** to fill in and upload onto the **Ariba Network** in order to create a link between **supplier's web-shop** and **Buyer's SAP Ariba Application**.

CIF_I_V3.0																	
CHARSET:	UTF-8																
LOADMODE:	F																
CODEFORMAT:	UNSPSC																
CURRENCY:	USD																
SUPPLIERID_DOMAIN:	NetworkID																
ITEMCOUNT:	9																
TIMESTAMP:	10-07-20																
UNUOM:	TRUE																
COMMENTS:																	
FIELDNAMES: Supplier ID	Supplier Part ID	Manufacturer Part ID	Item Description	SPSC Code	Unit Price	Unit of Measure	Lead Time	Manufacturer Name	Supplier URL	Manufacturer URL	Market Price	Short Name	Image	Thumbnail	PunchOut Enabled		
DATA																	
AN01452228885-T	PunchOut_000		[put your keywords in this field] e.g.: Stationary, pen, rubber, ruler, stapler, [other keywords]	80					https://www.mywebshop.co.uk/landing-page			Supplier ABC - CZ - PunchOut L1	https://fournisseurtech.com/images/my_logo.jpg	https://fournisseurtech.com/images/my_logo_thbnl.jpg	TRUE		
ENDOFDATA																	

Blue Fields are Mandatory.

Short Name Field can be used to show the **Name of your Company** in the UI

Item Description Field help identify the item in a search. Separate words with a comma

Image Field can be used for your **Company Logo**

Supplier URL Field same as the one Indicated on account (Previous Page)

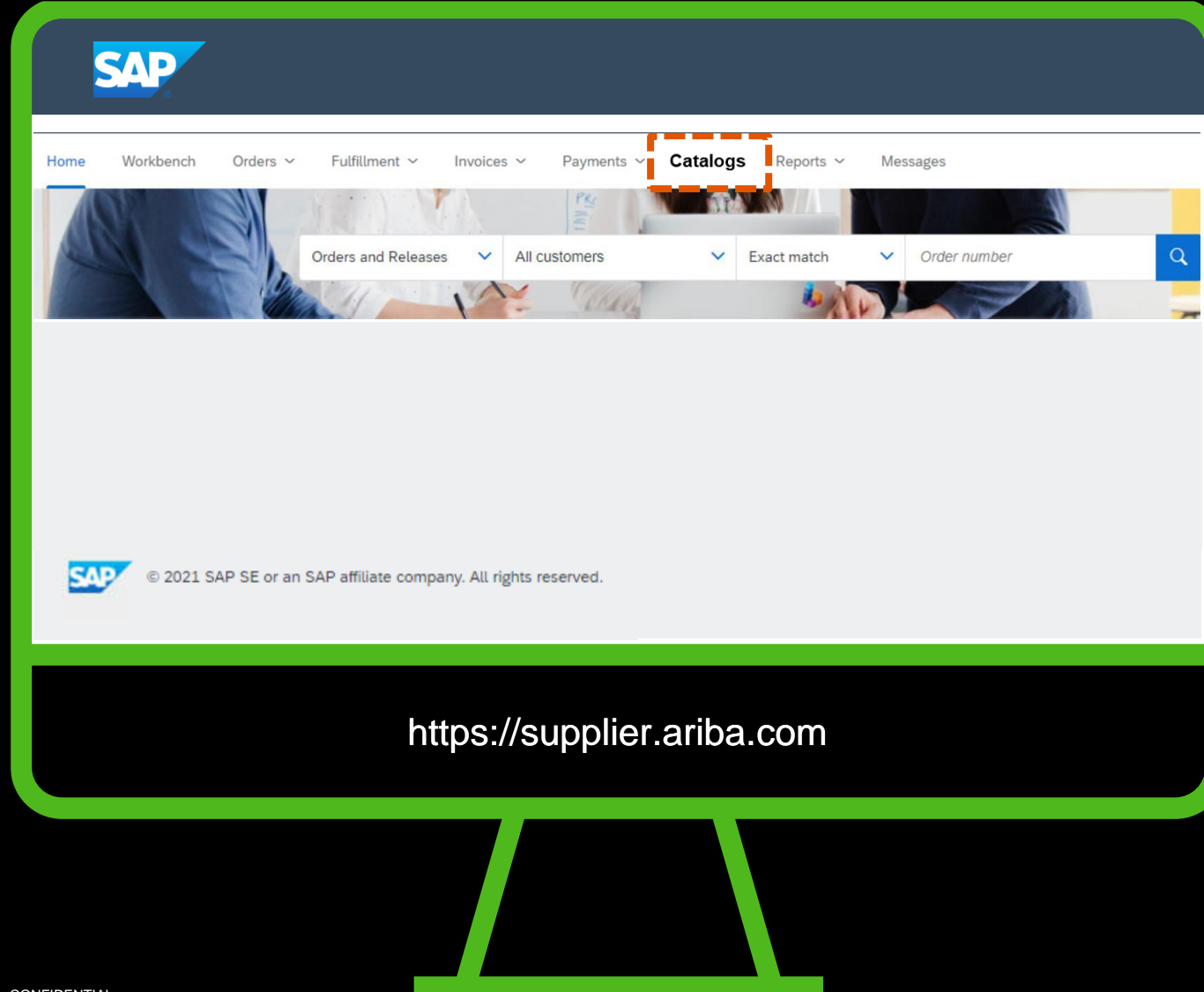
[Click here for AN Configuration Simulation](#)

[Click here for UPLOAD Simulation](#)

Main Page

1

Now Lets Upload
The Index File, Click
on **Catalogs** Tab on
Top



Create



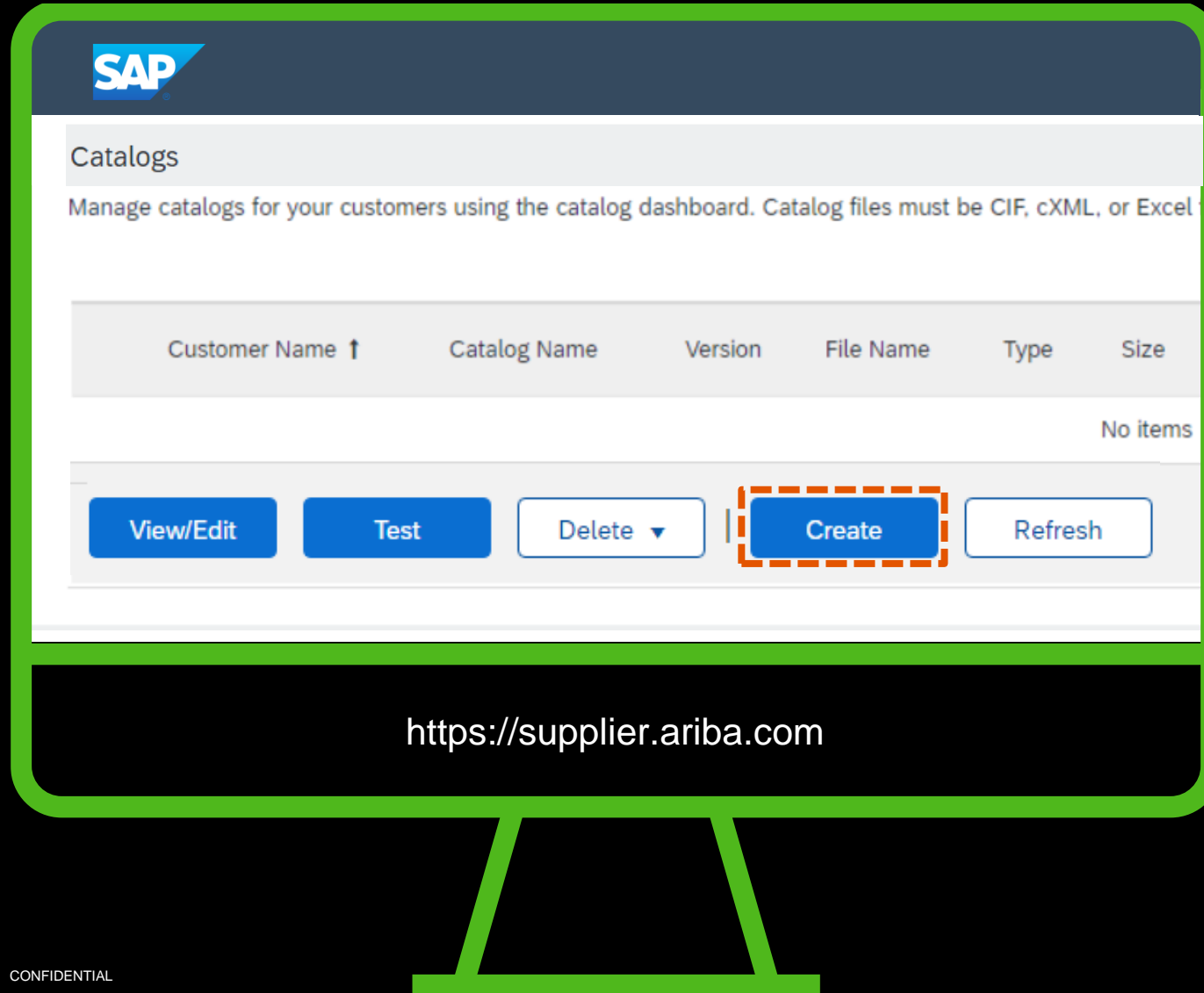
Index



Refresh

2

Click On
Create



Subscription



Index



Refresh

3

Insert the **Catalog Name** (Catalog Subscription)

Do not select PunchOut Level 1: tickbox.

SAP

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.

1 Details

2 Subscriptions

3 Content

Catalog Name

PunchOut Level 1: ☐ ←

Your index file settings will be used to fill the details on the Content page at step 3. You can add/edit y

Description:

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

Commodities: ⓘ

Description

<https://supplier.ariba.com>

Next



Index



Refresh

4

Click **Next**

SAP

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.

1 Details

2 Subscriptions

3 Content

Catalog Name Buyer_Supplier_CZ_PunchOut

PunchOut Level 1: ☐

Your index file settings will be used to fill the details on the Content page at step 3. You can add/edit y

Description:

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

Commodities: ⓘ

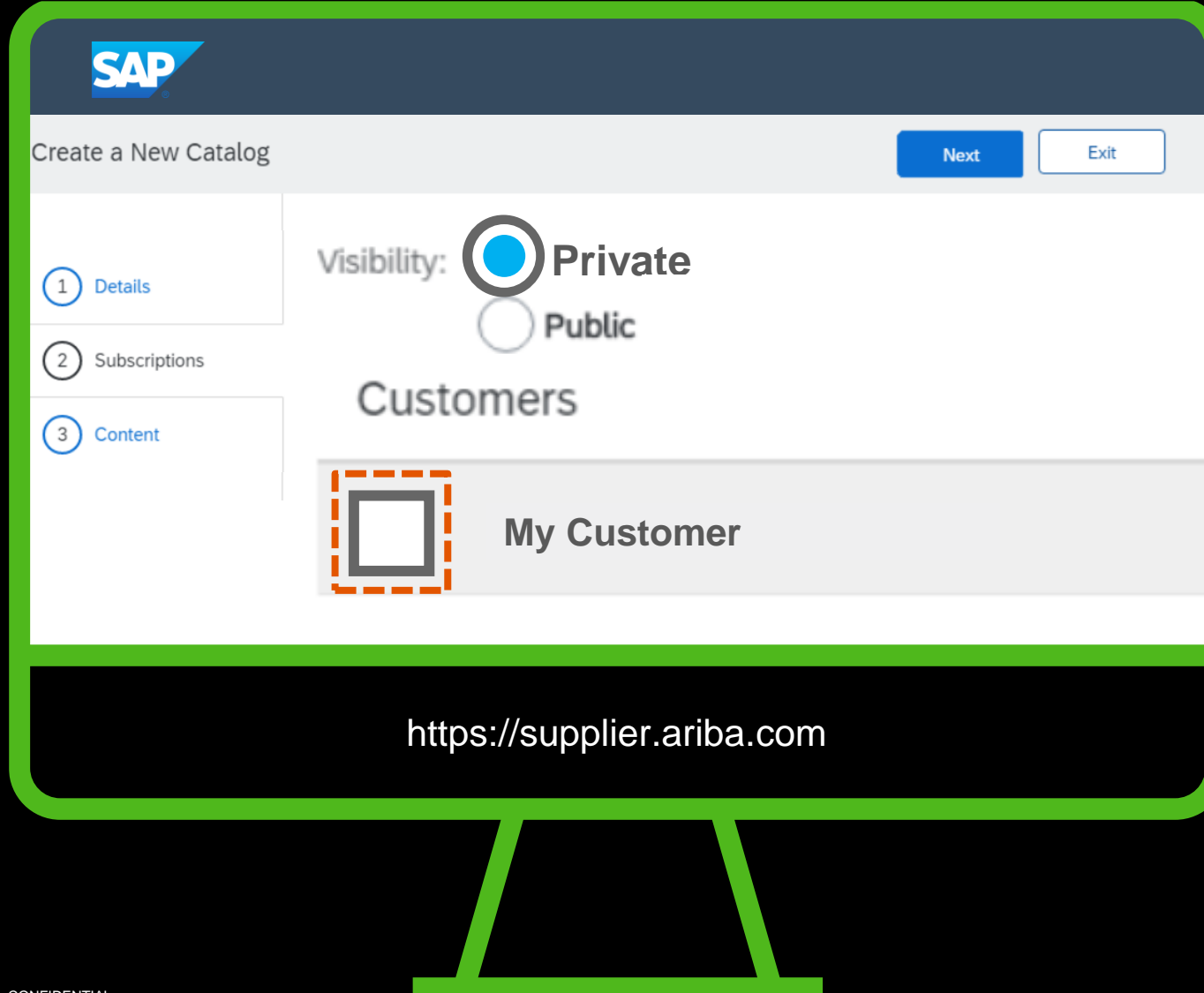
Description

<https://supplier.ariba.com>

Customer

5

Ensure that 'Private' is selected (default) and **select My Customer** from available list of customers linked to your account



SAP

Create a New Catalog Next Exit


1 Details

2 Subscriptions

3 Content

Visibility: ☒ Private ☐ Public

Customers

 My Customer

<https://supplier.ariba.com>

Next



6

Click **Next**

SAP

Create a New Catalog

Next Exit

1 Details

2 Subscriptions

3 Content

Visibility: ☒ Private ☐ Public

Customers

☒ My Customer

<https://supplier.ariba.com>

Index Format



7

Click on **Choose File** to upload the Index File from your local PC

SAP

Create a New Catalog Exit

1 Details

2 Subscriptions

3 Content

UPLOAD YOUR CATALOG FILE

Choose File

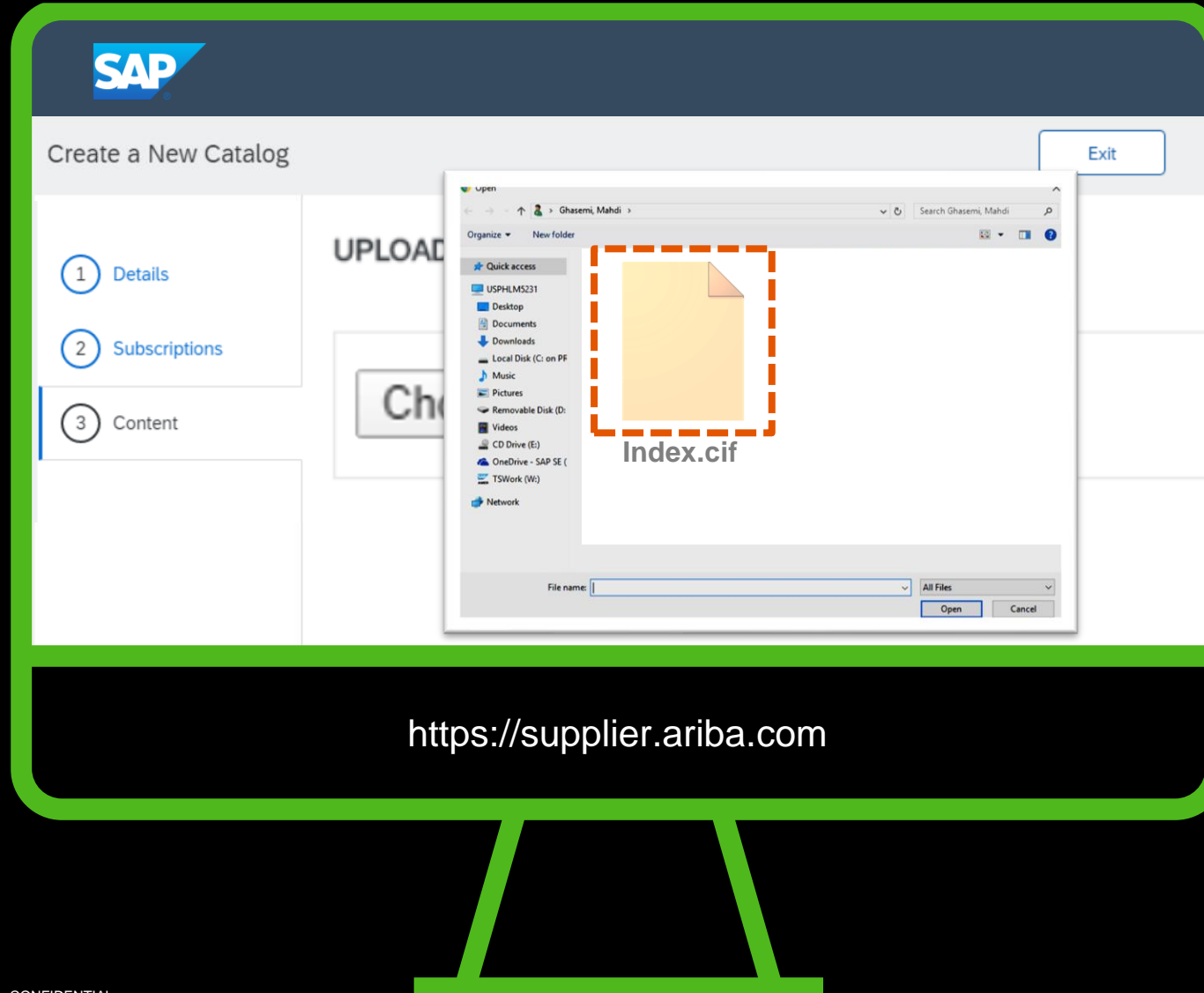
<https://supplier.ariba.com>

Index Format



8

Select the **Index File** from Your Local PC



Index Format



Refresh

9

Click on **Validate and Publish** and you will be sent to the **PURCHASING DEMO**

SAP

Create a New Catalog Exit

1 Details

2 Subscriptions

3 Content

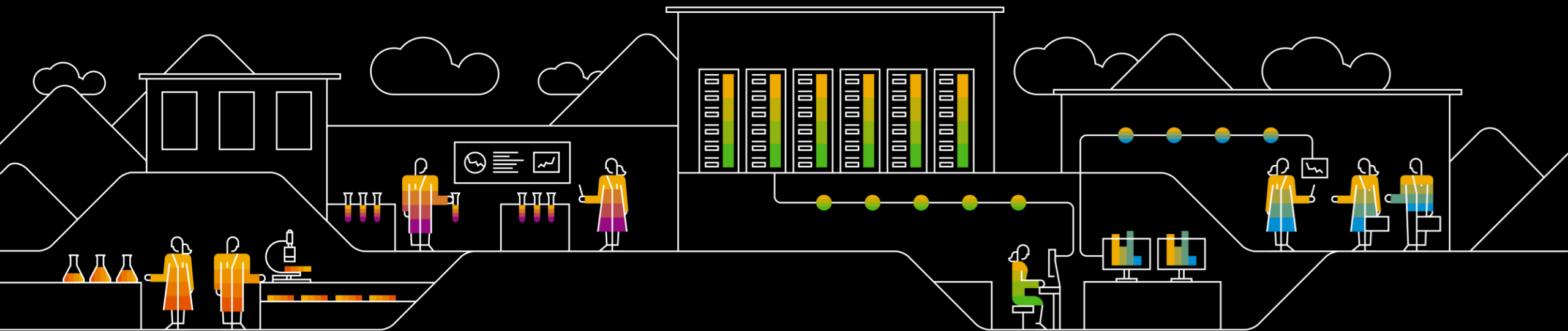
UPLOAD YOUR CATALOG FILE

Choose File Index.cif

Validate and Publish

<https://supplier.ariba.com>

Annex



POSReq PunchOut Setup Request



Architecture Index

```
<!DOCTYPE cXML SYSTEM
"http://xml.cxml.org/schemas/cXML/1.2.048/cXML.dtd">
```

Document type and version of cXML.

```
<cXML payloadID="958075346970@www.bigbuyer.com"
timestamp="2020-06-09T07:23:19-07:00">
```

Payloadid - is an identifier of the sent document.

```
<Header>
<From>
<Credential domain="NetworkID">
<Identity>AN1111111111</Identity>
</Credential>
</From>
```

FROM Credential Identifies the Originator of the POSReq. Always shows the **Buyer's ANID**

```
<To>
<Credential domain="NetworkID">
<Identity>AN2222222222</Identity>
</Credential>
</To>
<To>
<Credential domain="buyersystemid">
<Identity>22222222</Identity>
</Credential>
</To>
```

TO Credential Identifies the Destination of the POSReq. Contains all **Supplier's Domain + IDs**, taken from the **Buyer's Supplier Master Data**

```
<Sender>
<Credential domain="AribaNetworkUserId">
<Identity>sysadmin@ariba.com</Identity>
<SharedSecret>abracadabra</SharedSecret>
</Credential>
<UserAgent>Ariba Buyer 8.2</UserAgent>
</Sender>
</Header>
```

SENDER credential specifies the identity and shared secret (you will receive the **Shared Secret set up on you're an Account**).

```
<Request>
<PunchOutSetupRequest operation="create">
<BuyerCookie>1J3YVWU9QWMTB</BuyerCookie>
<Extrinsic name="CostCenter">610</Extrinsic>
<Extrinsic name="User">jsmith</Extrinsic>
<BrowserFormPost>
<URL>http://bigbuyer.com:3377/punchout</URL>
</BrowserFormPost>
```

Data that is taken from the **Buyer's User Master Data**

```
<SupplierSetup>
<URL>https://Estlega Ltd.com/PunchOutServlet</URL>
</SupplierSetup>
```

The Supplier URL, taken from the **Supplier's Index File's 'SUPPLIER URL' field**

```
<ShipTo>
<Address addressID="001">
<Name xml:lang="en">BigBuyer Headquarters</Name>
<PostalAddress>
<DeliverTo>John Smith</DeliverTo>
<Street>1565 Pine, MS A.2</Street>
<City>New York</City>
<State>NY</State>
<PostalCode>01043</PostalCode>
<Country isoCountryCode="US">United States</Country>
</PostalAddress>
</Address>
</ShipTo>
```

Data that is taken from the **Buyer's User Master Data**

```
<Contact><Name>jsmith</Name>
</Contact>
<SelectedItem>
```

```
<ItemID>
<SupplierPartID>PunchOut_000</SupplierPartID>
</ItemID>
```

The Supplier URL, taken from the **Supplier's Index File's 'SUPPLIER PART ID' field**

```
</SelectedItem>
</PunchOutSetupRequest>
</Request>
</cXML>
```

POSResp PunchOut Setup Response

```
<cXML payloadID="958075346970@www.bigbuyer.com" timestamp="2020-06-09T07:23:19-07:00">
```

Payloadid - is an identifier of the sent document.

```
<Response>  
<Status code="200" text="success">  
<PunchOutSetupResponse>  
<StartPage>  
<URL>https://Estlega Ltd.com/PunchOutServlet/sessionid=7006</URL>  
</StartPage>  
</PunchOutSetupResponse>  
</Response>  
</cXML>
```

Web-shop server shall send this message to Ariba server.

When connectivity works this message does not appear in Ariba log files.



POOM PunchOut Order Message

```
<!DOCTYPE cXML SYSTEM
"http://xml.cxm1.org/schemas/cXML/1.2.048/cXML.dtd">
```

Document type and version of cXML.

```
<cXML payloadID="958074737352&www.Estlega Ltd.com"
timestamp="2020-06-09T07:23:19-07:00">
```

Payloadid - is an identifier of the sent document.

```
<Header>
<From>
<Credential domain="NetworkID">
<Identity>AN2222222222</Identity>
</Credential>
</From>
<From>
<Credential domain="buyersystemid">
<Identity>22222222</Identity>
</Credential>
</From>
```

FROM Credential identifies the originator of the POOM using the **Supplier's** Domain(s) and ID(s).

```
<To>
<Credential domain="NetworkID">
<Identity>AN1111111111</Identity>
</Credential>
</To>
```

TO Credential identifies the destination of the POOM using the **Buyer's** Domain and ID.

```
<Sender>
<Credential domain="www.Estlega Ltd.com">
<Identity>PunchoutResponse</Identity>
<SharedSecret>abracadabra</SharedSecret>
</Credential>
<UserAgent>Our PunchOut Site V4.2</UserAgent>
</Sender>
</Header>
```

SENDER Credential specifies the identity and shared secret of the Supplier.

```
<Message>
<PunchOutOrderMessage>
<BuyerCookie>1J3YVWU9QWMTB</BuyerCookie>
<PunchOutOrderMessageHeader operationAllowed="edit">
<Total>
<Money currency="USD">999.98</Money>
</Total>
</PunchOutOrderMessageHeader>
<ItemIn quantity="2">
<ItemID>
<SupplierPartID>laptop_1</SupplierPartID>
<SupplierPartAuxiliaryID>white</SupplierPartAuxiliaryID>
</ItemID>
<ItemDetail>
<UnitPrice>
<Money currency="USD">499.99</Money>
</UnitPrice>
<Description xml:lang="en">SuperBook ABC Laptop</Description>
<UnitOfMeasure>EA</UnitOfMeasure>
<Classification domain="UNSPSC">43211503</Classification>
<ManufacturerPartID>Manufacturer_ID_1</ManufacturerPartID>
<ManufacturerName>Tricolore</ManufacturerName>
<LeadTime>8</LeadTime>
<Extrinsic name="cust1_contract_number">88845611</Extrinsic>
<Extrinsic name="cust2_contract_item_number">55565</Extrinsic>
<Extrinsic name="cust3_automatic_po">TRUE</Extrinsic>
</ItemDetail>
</ItemIn>
</PunchOutOrderMessage>
</Message>
</cXML>
```



Architecture



Index

POOM contains and transfers the Information of the Items added to the Cart in the Web-shop to **SAP Ariba Application**.

Some Projects might require **Customized Extrinsic** by your **Buyer**, In this case the Extrinsic will Appear in this Section of the POOM.



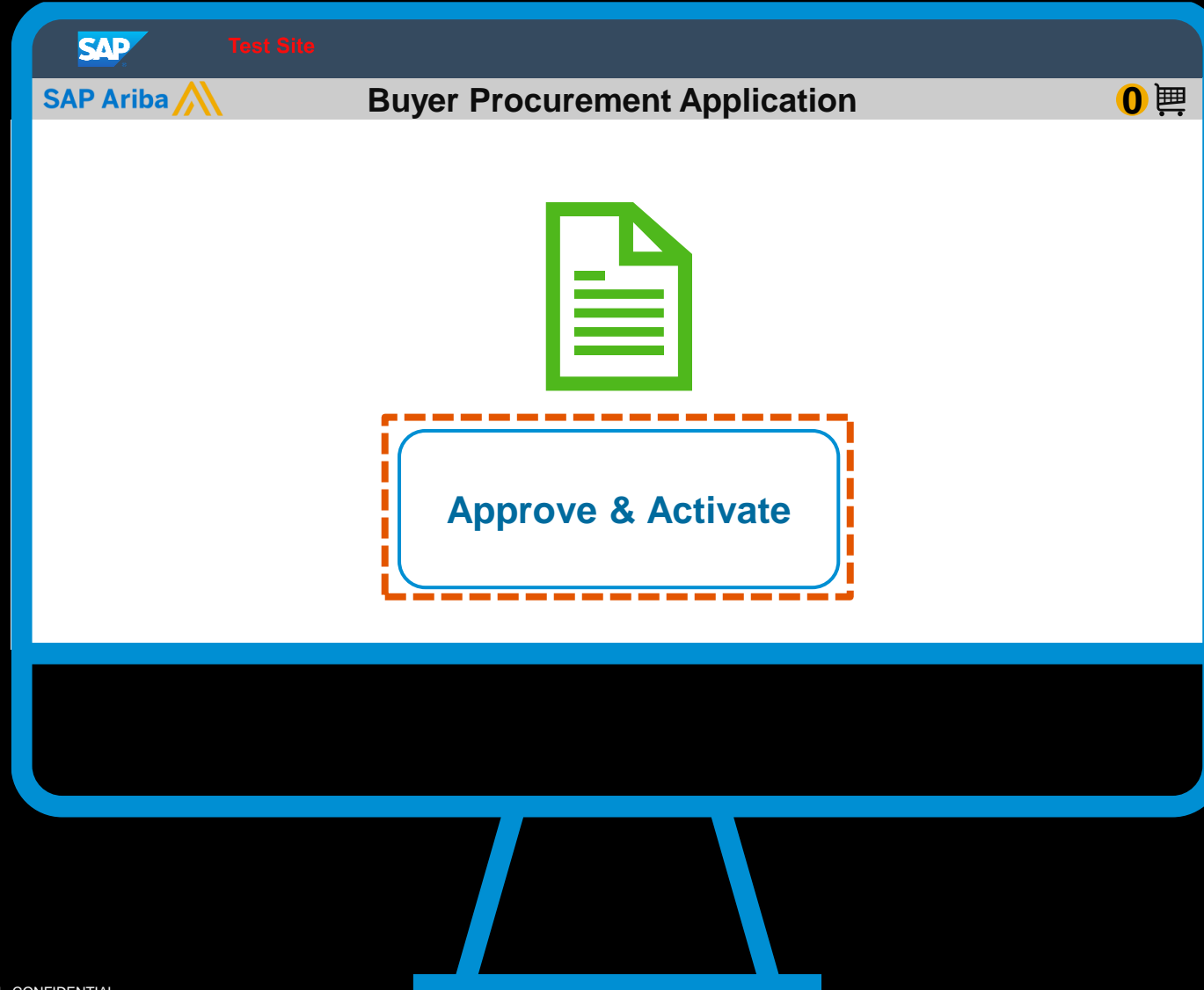
Return to the
**Purchase
Simulation**

Purchasing Simulation

Here, you can see how a **Buyer's** user purchases from your PunchOut via the Ariba Application.

1

Click on **Approve and Activate** the Index File



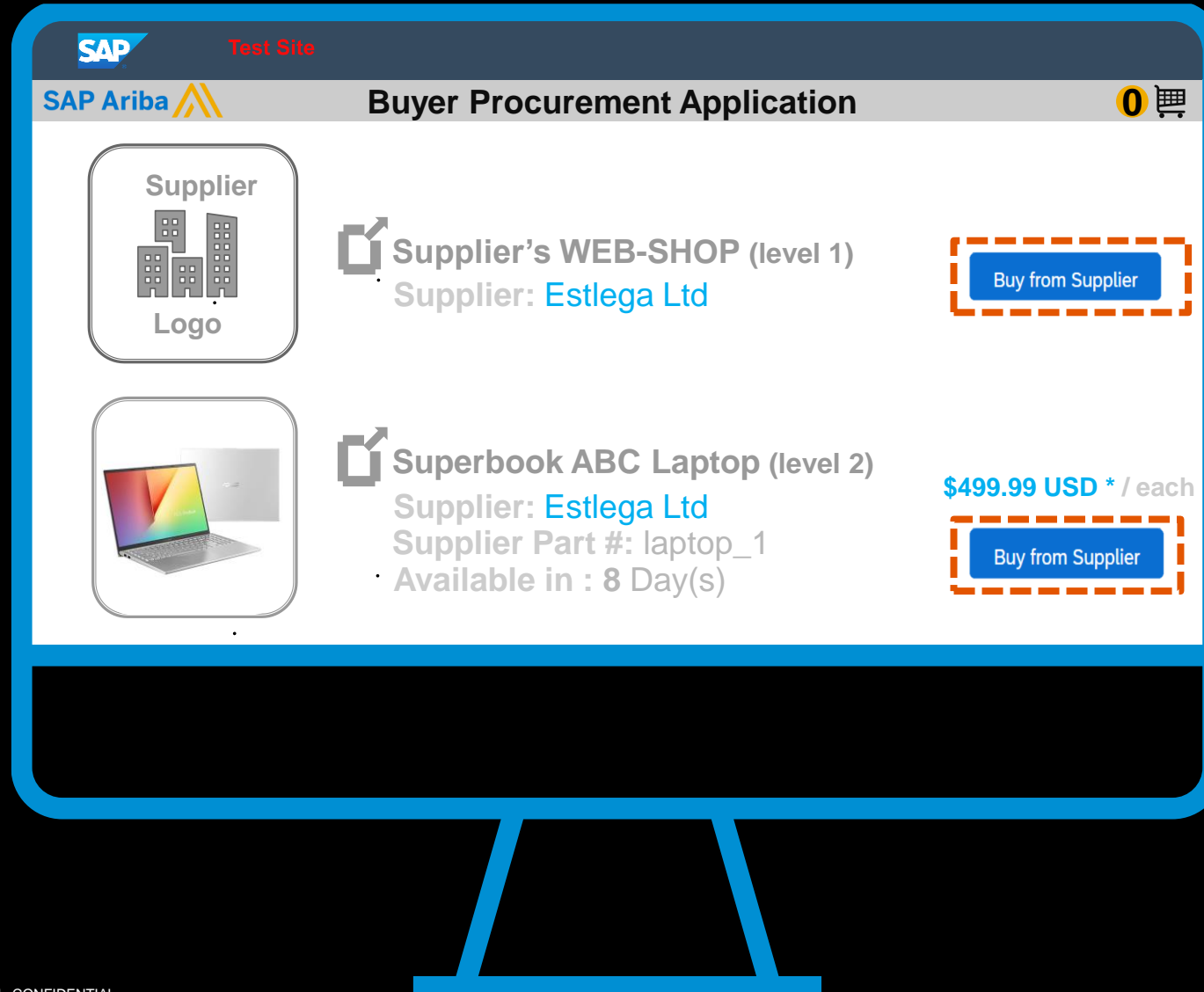
(you can see how to do the upload by click on **Index** (top-right) and clicking the **Index File Upload** section)

Buyer's UI - Search

Now the Index File content is visible in **Buyer's UI** and a notification sent to the **Supplier**

2

Click on **Buy from Supplier**



Notification sent to Supplier stating the index file is Active



Index



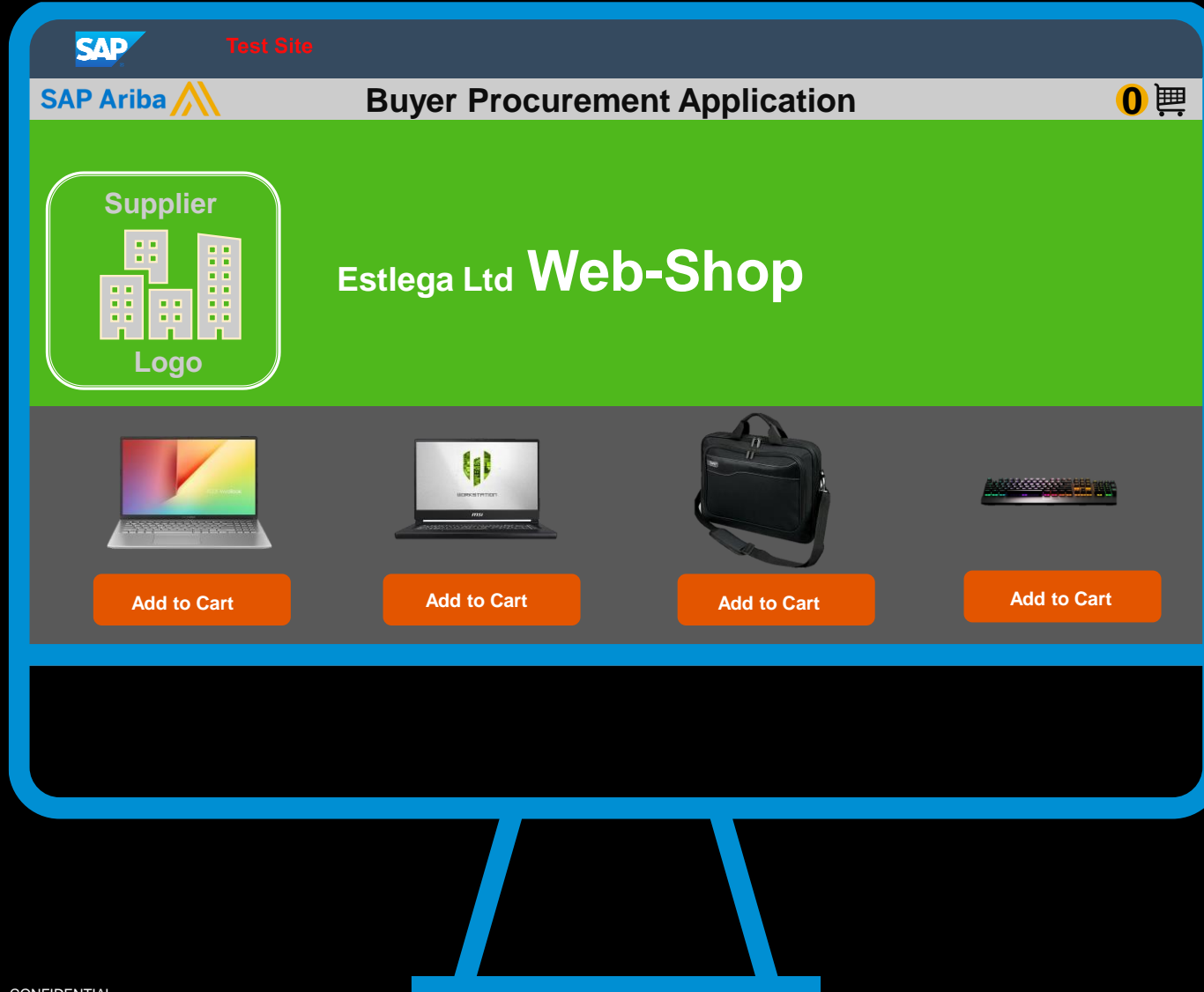
Refresh

WEBSHOP L1 - Store Level

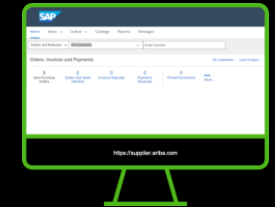
You selected the PunchOut Level 1 (store level). The landing page of **the Supplier's web-shop** is now displayed in **the Buyer's UI**

3

Click on **Add to Cart**



---> **POReq.**



Supplier web-shop receives and sends back cXML Messages

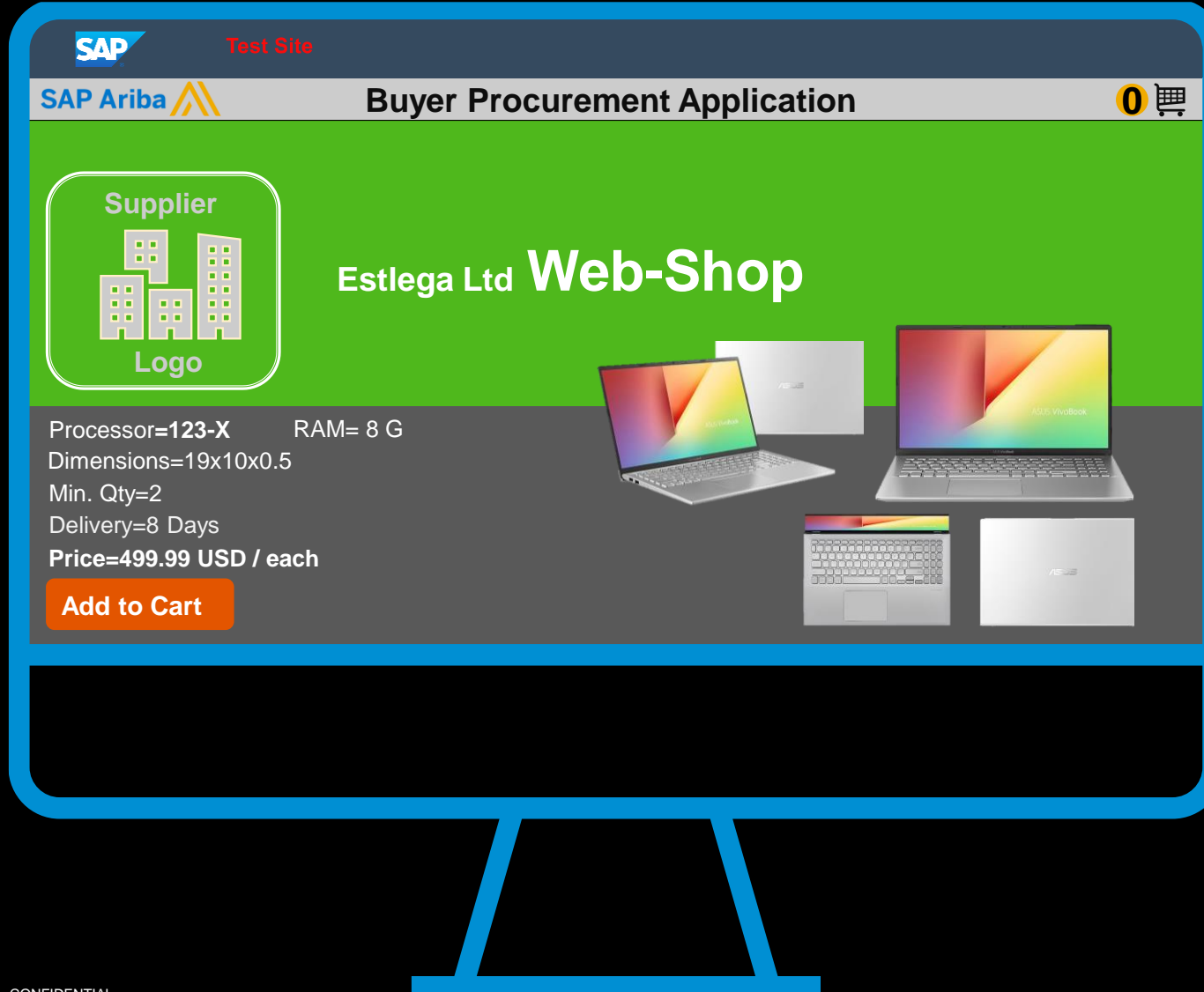
←-- **POResp.**

WEBSHOP L2 - Product Level

You selected the PunchOut Level 2 (product level). The **Buyer** is sent directly to the item on **the Supplier's web-shop**

3

Click on **Add to Cart**



---> **POReq.**



Supplier web-shop receives and sends back cXML Messages

←-- **POResp.**

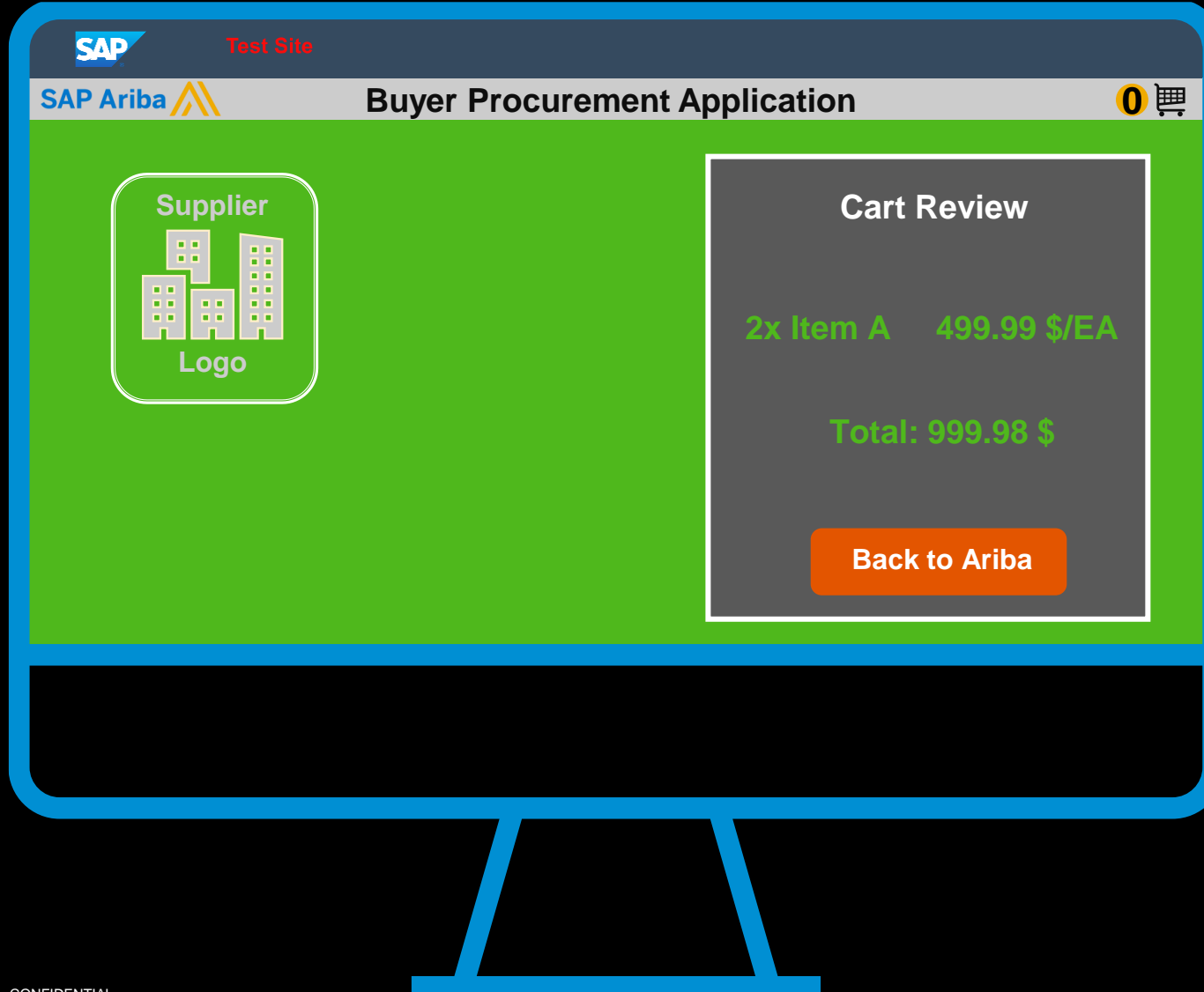


Webshop Basket

You can now review your **Basket** on the **Supplier's Webshop** and send the Basket back to the **Buyer's Ariba Procurement Application**

4

Click on **Back to Ariba**



Index



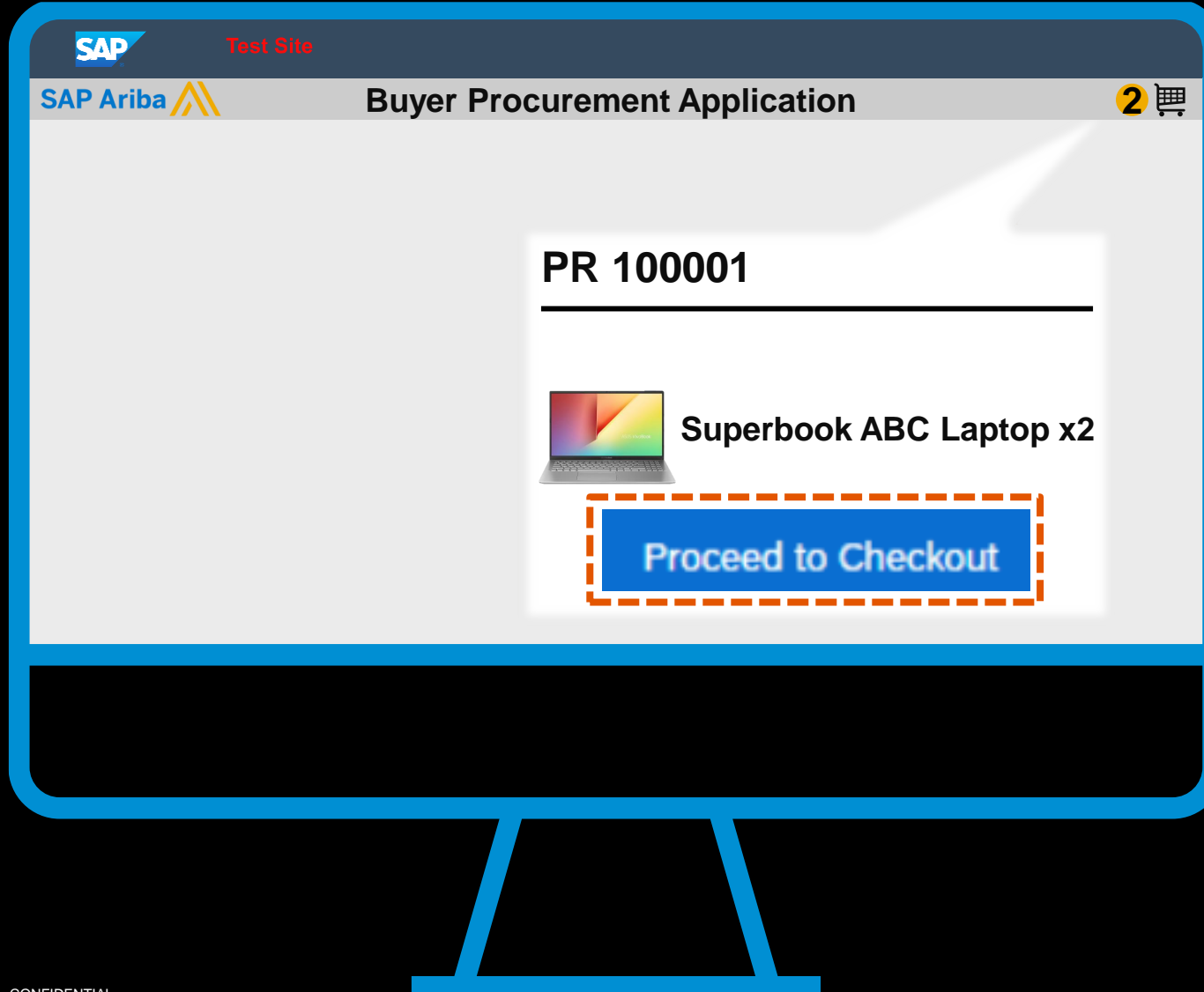
Refresh

Checkout

We can now see the items we selected in the **Basket** of the **Buyer's Ariba Procurement Application**. Let's proceed to the Checkout

5

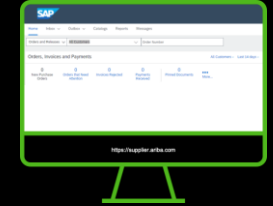
Click on **Proceed to Checkout**



Index



Refresh



Supplier web-shop sends back a cXML Message



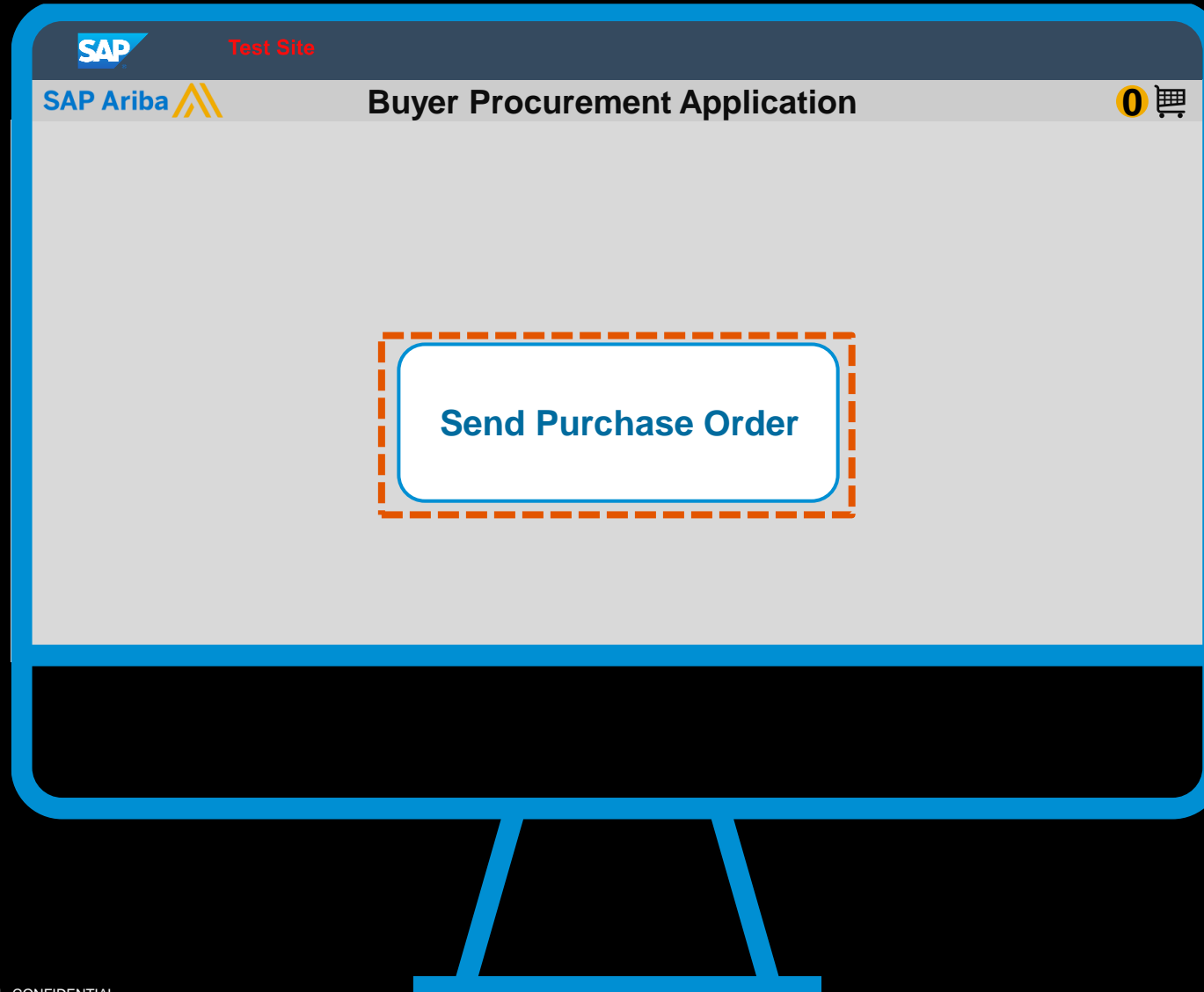
POOM

Purchase Order

Now, all that the **Buyer** needs to do is send out the Purchase Order

6

Click on **Send Purchase Order**



Index



Refresh

Demo Complete!

Now that you have completed the **PURCHASING DEMO**,
select one of the following options:

- 1 Restart Purchasing Demo
- 2 Start Index File Upload Demo
- 3 Review the cXML Message Flow

RUN SIMPLE