

This page is designed to guide our partner vendors through the steps required to connect with Clixon. Through this connection Clixon will host the vendors entire catalog, and electronically receive updates to the catalog as required. Customers can create a secure connection between Clixon and the partner vendor to receive real-time pricing and availability for products from the vendor along with volume price breaks, and the ability to electronically submit orders, and receive invoice(s) and shipping details for each order.

STEP ONE: GETTING YOUR CATALOG AND SFTP SITE UP AND RUNNING

- You will need to create an SFTP site.
- If you could then forward us the server address, username, and password.
- An alternative to an SFTP site would be a web service/micro-service API call to retrieve your catalog data, in essence we can plug in to whatever method you may already have in place.
- Regardless of the service or site this is where you would post any changes to your catalog, new product additions, etc.
- If you would utilize the “Status” field to identify when a product is no longer available from your company by setting the status to “Inactive”.
- You could post to your site daily, weekly, or whenever necessary to a folder on your SFTP site dating the most recent file posted utilizing a .txt file format.
- For keeping the product catalog up to date, it may be that we have to download the full catalog each time - generating deltas may add a layer of complexity if that capability is not already present.
- Our download routine will look each day for the most recent file and process it.

STEP TWO: SAMPLE_PURCHASE

- This piece allows you to receive orders from Clixon.
- Orders would be sent over http(s) utilizing cXML.
- From your end you will need to create a listener service in C#/php or whatever technology you are most familiar with which would receive the cXML documents in real-time as they are generated.

- At the point the customer 'submits the order' in Clixon that will trigger the order being sent via cXML to the vendor. This process would repeat with each new order throughout the day as orders are triggered.
 - On your end you will need to process the received documents as you receive them or queue them up for later batch processing.
 - You will need to whitelist our server's IP, or permit it through your firewall before we will be able to successfully submit orders.
 - Once you are ready for this step please connect with us and we can furnish you with the relevant server IP address.
 - Once you have this step completed please let us know and we will be able to test the connection and troubleshoot with you if necessary.
-

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!DOCTYPE cXML SYSTEM
```

```
"http://xml.cxml.org/schemas/cXML/1.2.011/cXML.dtd">
```

```
<cXML payloadID="2020-09-22T16:01:37.310@clixon dental.com"  
timestamp="2020-09-
```

```
22T16:01:37.310" xml:lang="en-US" version="1.2.011">
```

```
<Header>
```

```
<From>
```

```
<Credential domain="NetworkId">
```

```
<Identity>CLIXON</Identity>
```

```
</Credential>
```

```
</From>
```

```
<To>
```

<Credential domain="NetworkId">
<Identity>toId</Identity>
</Credential>
</To>
<Sender>
<Credential domain="DUNS">
<Identity>user</Identity>
<SharedSecret>pass</SharedSecret>
</Credential>
<UserAgent>CLIXON</UserAgent>
</Sender>
</Header>
<Request>
<OrderRequest>
<OrderRequestHeader orderID="C00082292-139" orderDate="2020-09-16T00:00:00"
type="new" orderType="regular">
<Total>
<Money currency="USD">158.57</Money>
</Total>
<ShipTo>
<Address addressID="000467">

```
<Name xml:lang="en">Suite 2</Name>
<PostalAddress name="Main">
<DeliverTo>Company Name</DeliverTo>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">United States</Country>
</PostalAddress>
<Email name="default">purchasing@company.com</Email>
<Phone name="work">
<TelephoneNumber>
<CountryCode isoCountryCode="US">1</CountryCode>
<AreaOrCityCode />
<Number>222-333-4445</Number>
<Extension />
</TelephoneNumber>
</Phone>
</Address>
</ShipTo>
<BillTo>
<Address addressID="000467">
```

```
<Name xml:lang="en">Suite</Name>
<PostalAddress name="Main">
<Street>Address</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">United States</Country>
</PostalAddress>
</Address>
</BillTo>
<Contact role="endUser">
<Name xml:lang="en">Company Name</Name>
<Email name="default">purchasing@company.com</Email>
</Contact>
<Comments xml:lang="en">UPS Ground</Comments>
</OrderRequestHeader>
<ItemOut quantity="1" lineNumber="3">
<ItemID>
<SupplierPartID>502791</SupplierPartID>
<SupplierPartAuxiliaryID>Null</SupplierPartAuxiliaryID>
</ItemID>
<ItemDetail>
```

<UnitPrice>

<Money currency="USD">6.50</Money>

</UnitPrice>

<Description xml:lang="en">BIC Intensity Permanent Marker, Ultra Fine Point, Black,

Dozen (31931/GPMU11BK)</Description>

<UnitOfMeasure>EA</UnitOfMeasure>

<Classification domain="UNSPSC">00000</Classification>

<ManufacturerPartID>Null</ManufacturerPartID>

</ItemDetail>

</ItemOut>

<ItemOut quantity="5" lineNumber="4">

<ItemID>

<SupplierPartID>618854</SupplierPartID>

<SupplierPartAuxiliaryID>Null</SupplierPartAuxiliaryID>

</ItemID>

<ItemDetail>

<UnitPrice>

<Money currency="USD">14.59</Money>

</UnitPrice>

<Description xml:lang="en">Duracell Coppertop AAA Alkaline Batteries, 16/Pack (MN24B16)</Description>

<UnitOfMeasure>EA</UnitOfMeasure>
<Classification domain="UNSPSC">00000</Classification>
<ManufacturerPartID>Null</ManufacturerPartID>
</ItemDetail>
</ItemOut>
<ItemOut quantity="3" lineNumber="2">
<ItemID>
<SupplierPartID>504407</SupplierPartID>
<SupplierPartAuxiliaryID>Null</SupplierPartAuxiliaryID>
</ItemID>
<ItemDetail>
<UnitPrice>
<Money currency="USD">9.38</Money>
</UnitPrice>
<Description xml:lang="en">Staples Moving and Storage Packing Tape, 1.88"W x
54.6
Yards, Clear, 6 Pack (52210/ST-A26-6C)</Description>
<UnitOfMeasure>EA</UnitOfMeasure>
<Classification domain="UNSPSC">00000</Classification>
<ManufacturerPartID>Null</ManufacturerPartID>
</ItemDetail>
</ItemOut>

```
<ItemOut quantity="2" lineNumber="1">
<ItemID>
<SupplierPartID>506410</SupplierPartID>
<SupplierPartAuxiliaryID>Null</SupplierPartAuxiliaryID>
</ItemID>
<ItemDetail>
<UnitPrice>
<Money currency="USD">25.49</Money>
</UnitPrice>
<Description xml:lang="en">Swingline Light Duty 2-3-Hole Punch, 10 Sheet
Capacity,
Black (A7074015)</Description>
<UnitOfMeasure>EA</UnitOfMeasure>
<Classification domain="UNSPSC">00000</Classification>
<ManufacturerPartID>Null</ManufacturerPartID>
</ItemDetail>
</ItemOut>
</OrderRequest>
</Request>
</cXML>
```

STEP THREE: SAMPLE_INVOICE

- This piece allows you to send invoice and shipping details for an order to Clixon.
- Invoice and shipping details would be sent over http(s) utilizing cXML.
- From your end you will need to create the process to send invoice and shipping details, via cXML, for each order you have received from Clixon.
- In addition to processing orders received from Clixon you can also process invoices and shipping details for orders received internally or from your web store where the customer number is associated with Clixon.
- You will need our cXML Invoice URL before we will be able to successfully receive invoice details.
- Once you are ready for this step please connect with us and we can provide you with the correct URL.
- Once you have this step completed please let us know and we should start to see invoice and shipping details come back on test orders we place - Again we will be able to help troubleshoot with you if necessary.

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!DOCTYPE cXML SYSTEM
```

```
"http://xml.cXML.org/schemas/cXML/1.2.008/InvoiceDetail.dtd">
```

```
<cXML payloadID="0.80920200901080508148080508148.05@staples.com"
timestamp="2020-
```

```
09-01T09:05:08-04:00">
```

```
<Header>
```

```
<From>
```

```
<Credential domain="DUNS">
```

```
<Identity>fromId</Identity>
</Credential>
</From>
<To>
<Credential domain="NetworkID">
<Identity>CLIXON</Identity>
</Credential>
</To>
<Sender>
<Credential domain="DUNS">
<Identity>user</Identity>
<SharedSecret>pass</SharedSecret>
</Credential>
<UserAgent>CatalogManager</UserAgent>
</Sender>
</Header>
<Request>
<InvoiceDetailRequest>
<InvoiceDetailRequestHeader invoiceID="3005034167" purpose="standard"
operation="new" invoiceDate="2020-08-25T08:05:08-04:00">
<InvoiceDetailHeaderIndicator isHeaderInvoice="yes" isVatRecoverable="yes"
/>
```

```
<InvoiceDetailLineIndicator isTaxInLine="yes" isShippingInLine="yes"
isAccountingInLine="yes" />
<InvoicePartner>
<Contact role="remitTo" addressID="">
<Name xml:lang="en">remitTo</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">United States</Country>
</PostalAddress>
</Contact>
</InvoicePartner>
<InvoicePartner>
<Contact role="billTo">
<Name xml:lang="en">billTo</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
```

<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoicePartner>
<InvoicePartner>
<Contact role="from">
<Name xml:lang="en">Supplier Name</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoicePartner>
<InvoicePartner>
<Contact role="billFrom">
<Name xml:lang="en">Supplier Name</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>

```
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoicePartner>
<InvoicePartner>
<Contact role="shipTo" addressID="000467">
<Name xml:lang="en">shipTo</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoicePartner>
<InvoicePartner>
<Contact role="soldTo" addressID="000467">
<Name xml:lang="en">soldTo</Name>
<PostalAddress>
```

<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
<ShipControl>
<CarrierIdentifier domain="SCAC">UPS</CarrierIdentifier>
<ShipmentIdentifier>1Z5012X70324256383</ShipmentIdentifier>
</ShipControl>
</InvoiceDetailShipping>
<InvoiceDetailPaymentTerm payInNumberOfDays="030" percentageRate="0.0" />
</InvoiceDetailRequestHeader>
<InvoiceDetailOrder>
<InvoiceDetailOrderInfo>
<OrderIDInfo orderID="C00003199-86" />
</InvoiceDetailOrderInfo>
<InvoiceDetailItem invoiceLineNumber="1" quantity="0000001">
<UnitOfMeasure>EA</UnitOfMeasure>
<UnitPrice>

<Money currency="USD">7.85</Money>
</UnitPrice>
<InvoiceDetailItemReference lineNumber="00002">
<ItemID>
<SupplierPartID>NULL</SupplierPartID>
</ItemID>
<Description xml:lang="en">TAPE STAPLES 3/4X1296 12PK</Description>
</InvoiceDetailItemReference>
<SubtotalAmount>
<Money currency="USD">8.5</Money>
</SubtotalAmount>
<Tax>
<Money currency="USD">0.65</Money>
<Description xml:lang="en">Total Item Tax</Description>
<TaxDetail purpose="Local Sales Tax" category="sales" percentageRate="8.25">
<TaxableAmount>
<Money currency="USD">7.85</Money>
</TaxableAmount>
<TaxAmount>
<Money currency="USD">0.65</Money>
</TaxAmount>
<TaxLocation xml:lang="en">state</TaxLocation>

</TaxDetail>
</Tax>
<InvoiceDetailLineShipping>
<InvoiceDetailShipping>
<Contact role="shipFrom" addressID="SPLS">
<Name xml:lang="en">Supplier Name</Name>
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
<Contact role="shipTo" addressID="1000467">
<Name xml:lang="en-US">shipFrom</Name>
<PostalAddress>
<DeliverTo>contact</DeliverTo>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>

<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoiceDetailShipping>
<Money currency="USD">0.0</Money>
</InvoiceDetailLineShipping>
<GrossAmount>
<Money currency="USD">8.5</Money>
</GrossAmount>
<NetAmount>
<Money currency="USD">8.5</Money>
</NetAmount>
</InvoiceDetailItem>
<InvoiceDetailItem invoiceLineNumber="2" quantity="0000001">
<UnitOfMeasure>EA</UnitOfMeasure>
<UnitPrice>
<Money currency="USD">10.45</Money>
</UnitPrice>
<InvoiceDetailItemReference lineNumber="00004">
<ItemID>
<SupplierPartID>NULL</SupplierPartID>
</ItemID>

```
<Description xml:lang="en">TISSUE FACIAL BOUTIQ 6/PK</Description>
</InvoiceDetailItemReference>
<SubtotalAmount>
<Money currency="USD">11.31</Money>
</SubtotalAmount>
<Tax>
<Money currency="USD">0.86</Money>
<Description xml:lang="en">Total Item Tax</Description>
<TaxDetail purpose="Local Sales Tax" category="sales" percentageRate="8.25">
<TaxableAmount>
<Money currency="USD">10.45</Money>
</TaxableAmount>
<TaxAmount>
<Money currency="USD">0.86</Money>
</TaxAmount>
<TaxLocation xml:lang="en">CA</TaxLocation>
</TaxDetail>
</Tax>
<InvoiceDetailLineShipping>
<InvoiceDetailShipping>
<Contact role="shipFrom" addressID="SPLS">
<Name xml:lang="en">Staples Inc.</Name>
```

```
<PostalAddress>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
<Contact role="shipTo" addressID="1000467">
<Name xml:lang="en-US">shipTo</Name>
<PostalAddress>
<DeliverTo>contact</DeliverTo>
<Street>Street</Street>
<City>City</City>
<State>State Abbr.</State>
<PostalCode>Zip</PostalCode>
<Country isoCountryCode="US">USA</Country>
</PostalAddress>
</Contact>
</InvoiceDetailShipping>
<Money currency="USD">0.0</Money>
</InvoiceDetailLineShipping>
```

```
<GrossAmount>
<Money currency="USD">11.31</Money>
</GrossAmount>
<NetAmount>
<Money currency="USD">11.31</Money>
</NetAmount>
</InvoiceDetailItem>
</InvoiceDetailOrder>
<InvoiceDetailSummary>
<SubtotalAmount>
<Money currency="USD">19.81</Money>
</SubtotalAmount>
<Tax>
<Money currency="USD">1.51</Money>
<Description xml:lang="en">Total Tax Invoice</Description>
<TaxDetail purpose="Local Sales Tax" category="Sales" percentageRate="8.25">
<TaxableAmount>
<Money currency="USD">18.30</Money>
</TaxableAmount>
<TaxAmount>
<Money currency="USD">1.51</Money>
</TaxAmount>
```

```
<TaxLocation xml:lang="en">state abr.</TaxLocation>
</TaxDetail>
</Tax>
<ShippingAmount>
<Money currency="USD">0.0</Money>
</ShippingAmount>
<GrossAmount>
<Money currency="USD">19.81</Money>
</GrossAmount>
<NetAmount>
<Money currency="USD">19.81</Money>
</NetAmount>
<DueAmount>
<Money currency="USD">19.81</Money>
</DueAmount>
</InvoiceDetailSummary>
</InvoiceDetailRequest>
</Request>
</cXML>
```

STEP FOUR: SAMPLE_API

- This piece allows you to receive and return price/inventory requests based on customer number & product number utilizing a Secure Connection between your Company and Clixon.
 - From your end you will need to create the piece, utilizing http(s), that receives a call from Clixon and then feeds back pricing, on hand, item status.
 - You will need to furnish us with a Web API URL before we will be able to successfully use this to keep our pricing and inventory status up to date in real-time.
 - Once you are ready for this step please connect with us so we are able to get this in place. Again we will be able to help troubleshoot with you if necessary.
-

POST https://your.api.endpoint.com/PriceCheck

Acc:3912988 Sku:1860143 Qty:1, Uom: Dsc:EZ Cat:B_DENTAL

200

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ItemPrice xmlns="http://tempuri.org/ItemPrice.xsd">
```

```
<Item>
```

```
<AccountNumber>3912988</AccountNumber> <!-- input echo -->
```

```
<ItemCode>1860143</ItemCode> <!-- input echo -->
```

```
<Quantity>1</Quantity> <!-- input echo -->
```

```
<UnitOfMeasure>PK</UnitOfMeasure> <!-- nice to have -->
```

```
<CurrentPrice>36.49</CurrentPrice> <!-- important -->
```

```
<ItemStatus>In stock locally</ItemStatus> <!-- important -->
```

```
<PromoCode>EZ</PromoCode> <!-- nice to have -->
```

```
<PriceLabels>Discount</PriceLabels> <!-- nice to have -->
<LastPurchasedQty>1</LastPurchasedQty> <!-- nice to have -->
<LastPurchasedDate>09/02/2020</LastPurchasedDate> <!-- nice to have -->
</Item>
</ItemPrice>
```

STEP FIVE: ESTABLISHING A SECURE CONNECTION BETWEEN YOUR COMPANY AND CLIXON

- From your end you will need to create the piece that receives a connection request from Clixon to permit access to a customer's account details. This is driven by the customer within Clixon where they would click to initiate the connection via their browser. This would take the user to a web page you would create (e.g. on your website) where the user could enter their user name and password unique to your company and submit. Once you receive these credentials you would respond to Clixon with the access keys needed to establish the connection specific to this customer.
- When you respond, we then use this process to further request multiple ship-to customer numbers and addresses associated with this customer (if any).
- We have worked with other integrations utilizing OAuth to establish this connectivity
- We would be looking at using the Grant Type: Authorization Code (and the refresh token part at the bottom if we need a valid bearer token on subsequent pricing API calls).
- The Grant Type: Implicit, Resource Owner Password Credentials and Client Credentials bits we don't use in the current implementation.
- You will need to furnish us with your as described above OAuth URL and we will use this to initiate the connections to your portal.
 - Below is a link referencing a basic tutorial on OAuth.

- <https://www.digitalocean.com/community/tutorials/an-introduction-to-oauth-2>