



# Catalog Products

## Catalog products xft documentation v2

### Table of contents

<b>1. Products catalog feed generalities.....</b>	<b>2</b>
1.1. Description .....	2
1.2. Technical part .....	2
<b>2. Products catalog file detailed description .....</b>	<b>3</b>
2.1. Node Entities (/Catalog/Entities/).....	4
2.1.1. Geolocation : cities and countries .....	4
2.1.2. Keywords .....	5
2.2. Node Segments (/Catalog/Segments) .....	6
2.2.1. Product characteristics .....	7
2.2.2. Product descriptions (/Descriptions) .....	8

Date	Update
2018-12-15	Adding last update date/hour of product content
	Adding group code of products (Segments/Segment/Code @Role="Product" @Parent)
	Adding flags product with or without transport



## 1. Products catalog feed generalities

### 1.1. Description

Products catalog files contain all published products contents of CroisiEurope catalogs :

- Qualified text contents
- Links to images, videos, ...

These files are generated by market (usa, uk, spain, ...) per brand (CE - CroisiEurope / CM - CroisiMer / CV - CroisiVoyages) and per language.

These files do not contain prices and availabilities of products.

### 1.2. Technical part

Catalog files are xml files following e**X**change**F**or**T**travel standard <http://exchangefortravel.org>

These files are refreshed several times per day and can be put on a customer ftp server or can be get on a CroisiEurope ftp server (protocol is sftp on port 22). Files have to be load by cancel/replace.

Current version is v2.0



## 2. Products catalog file detailed description

Moreover context informations (language, brand, ...), there are 2 main nodes :

- Entities (/Catalogue/Entities) : contains list of referentials (countries, cities, keywords, ...) and their values
- Segments (/Catalogue/Segments) : contains all contents of published products

```
<?xml version="1.0" encoding="utf-8" standalone="no"?>
<Catalogue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="
http://www.exchangefortravel.org/xft/current">
  <!-- Producer licence -->
  <Vendor Licence="IM067100025" Code="ALSACE CROISIER" />
  <!-- Language of contents -->
  <Style>
    <Language Code="en" />
  </Style>
  <!-- Code brand -->
  <Brand>
    <Code Role="Reference" Value="CV" />
  </Brand>
  <!-- Referentials (cities, countries, keywords...) -->
  <Entities>
  <!-- Products contents -->
  <Segments>
</Catalogue>
```

*Products catalog file – 2 main nodes*



## 2.1. Node Entities (/Catalog/Entities/)

Entities (/Catalogue/Entities) node contains list of referentials (countries, cities, keywords, ...) and their values. Main referentials are below.

### 2.1.1. Geolocation : cities and countries

Departure and arrival IATA cities codes of products + each UN/LOCODE ports codes of itineraries with longitude and latitude are in /Catalogue/Entities/Entity @type CityType.

ISO2 countries codes of above cities are in /Catalogue/Entities/Entity @type CountryType.

```
</Entity>
<!-- Referential : cities -->
<Entity xsi:type="CityType">
  <Locations>
    <!-- IATA city @Owner='IATA' : used on products (city from, city to). -->
    <City ID="IATA_MOW"><![CDATA[MOSCOU]]><Country Ref="CNTY_RU" /><Point /><Code Owner="IATA" Value="MOW" /></City>
    <!-- UNLOCODE city @Owner='ISO' : used on itineraries (departure ports, arrival ports). With Latitude and Longitude -->
    <City ID="ISO_ZAJNB"><![CDATA[JOHANNESBURG]]><Country Ref="CNTY_ZA" /><Point Latitude="-26.195" Longitude="28.0339" /><Code Owner="ISO" Value="ZAJNB" /></City>
    <City ID="ISO_BWBBK"><![CDATA[KASANE]]><Country Ref="CNTY_BW" /><Point Latitude="-17.8167" Longitude="25.15" /><Code Owner="ISO" Value="BWBBK" /></City>
    <City ID="ISO_BW!PC"><![CDATA[PARC NATIONAL CHOBE]]><Country Ref="CNTY_BW" /><Point Latitude="-18.6667" Longitude="24.5" /><Code Owner="ISO" Value="BW!PC" /></City>
    <City ID="ISO_ZWVFA"><![CDATA[VICTORIA FALLS]]><Country Ref="CNTY_ZW" /><Point Latitude="-17.9244" Longitude="25.9039" /><Code Owner="ISO" Value="ZWVFA" /></City>
  </Locations>
</Entity>
<!-- Referential : countries -->
<Entity xsi:type="CountryType">
  <Countries>
    <Country ID="CNTY_RU">
      <!-- @Value : ISO2 code of country -->
      <Code Owner="IATA" Value="RU" />
      <Description Role="Name"><![CDATA[RUSSIE]]></Description>
    </Country>
    <Country ID="CNTY_ZA">
      <Code Owner="IATA" Value="ZA" />
      <Description Role="Name"><![CDATA[SOUTH AFRICA]]></Description>
    </Country>
    <Country ID="CNTY_BW">
      <Code Owner="ISO" Value="BW" />
      <Description Role="Name"><![CDATA[BOTSWANA]]></Description>
    </Country>
  </Countries>
</Entity>
```

*Entities – referentials - geolocation*



## 2.1.2. Keywords

There are keywords on products in order to classify them.

```
<!-- Sample of 4 keywords on a product -->
<Keywords>
  <Keyword Ref="KW_CE_RHIN_AFFLUENT" />
  <Keyword Ref="KW_FL_CNX_HOLLANDE" />
  <Keyword Ref="KW_FL_RHIN" />
  <Keyword Ref="KW_RB_EUROPE_DU_NORD" />
</Keywords>
```

*Entities – keywords on a product*

There are keywords are detailed in /Catalogue/Entities/Entity @type KeywordType with :

- @Name : internal code of keyword (can not be changed)
- @Category : group of keywords (Trip, Product, Location, Activity)
- CDATA : translated label of keyword

```
</Entity>
<!-- Referential : keywords -->
<Entity xsi:type="KeywordType">
  <Keywords>
    <!-- @Category Trip : classifying level 1 -->
    <Keyword ID="KW_RB_EUROPE_DU_NORD" Code="" Name="RB_EUROPE_DU_NORD" Category="Trip">
      <![CDATA[Northern Europe]]></Keyword>
    <!-- @Category Product : classifying level 2 -->
    <Keyword ID="KW_CE_RHIN_AFFLUENT" Code="" Name="CE_RHIN_AFFLUENT" Category="Product">
      <![CDATA[The Rhine ant its tributaries]]></Keyword>
    <!-- @Category Location : rivers -->
    <Keyword ID="KW_FL_CNX_HOLLANDE" Code="" Name="FL_CNX_HOLLANDE" Category="Location">
      <![CDATA[Dutch canals]]></Keyword>
    <Keyword ID="KW_FL_RHIN" Code="" Name="FL_RHIN" Category="Location"><![CDATA[Rhine]]>
    </Keyword>
    <!-- @Category Activity : Cultur, Bike, ... -->
    <Keyword ID="KW_TYPE_CULTURE" Code="" Name="TYPE_CULTURE" Category="Activity">
      <![CDATA[Cultur]]></Keyword>
    <Keyword ID="KW_CE_CNX_BENELUX" Code="" Name="CE_CNX_BENELUX" Category="Product"><![CDATA[The
    Dutch and Belgian canals]]></Keyword>
    <Keyword ID="KW_FL_CNX_BELGIQUE" Code="" Name="FL_CNX_BELGIQUE" Category="Location">
      <![CDATA[Canaux Belges]]></Keyword>
    <Keyword ID="KW_FL_MOSELLE" Code="" Name="FL_MOSELLE" Category="Location"><![CDATA[Moselle]]>
    </Keyword>
    <Keyword ID="KW_FL_NECKAR" Code="" Name="FL_NECKAR" Category="Location"><![CDATA[Neckar]]>
    </Keyword>
    <Keyword ID="KW_FL_SAARE" Code="" Name="FL_SAARE" Category="Location"><![CDATA[Saare]]>
    </Keyword>
    <Keyword ID="KW_RB_CR_THEMES" Code="" Name="RB_CR_THEMES" Category="Trip"><![CDATA[Christmass
```

*Products catalog file – referentials - keywords*



## 2.2. Node Segments (/Catalog/Segments)

Each product is detailed in a Segment node with :

- Characteristics of the product (number day/nights, type of products, keywords, ...)
- List of description blocs (price include/price do not include/ itinerary day per day, ...)

```
<Segment xsi:type="SegmentWaterType" Is="Croisiere">
  <Code Role="Product" Value="11A_CLPP" />
  <Brands>
    <Brand Role="Reference" Value="CV" />
  </Brands>
  <Durations>
    <Duration Unit="Day" Value="4" />
    <Duration Unit="Night" Value="3" />
  </Durations>
  <Segments What="List">
    <Segments What="Details">
      <Segment xsi:type="SegmentStayType">
        <MealPlan Ref="SP" />
        <Rooms>
          <Room Code="Double" />
          <Room Code="Single" />
        </Rooms>
      </Segment>
    </Segments>
  </Segments>
  <Keywords>
    <Keyword Ref="KW_CV_AFRIQUE_AUSTRALE" />
    <Keyword Ref="KW_FL_CHOBE" />
    <Keyword Ref="KW_RB_FLEUVES_DU_MONDE" />
    <Keyword Ref="KW_TYPE_SAFARI" />
  </Keywords>
  <Descriptions>
    <Description Group="Itinerary" Role="Body" Index="1">
    <Description Group="Itinerary" Role="Body" Index="1">
    <Description Group="Itinerary" Role="Body" Index="2">
    <Description Group="Itinerary" Role="Body" Index="2">
    <Description Group="Itinerary" Role="Body" Index="3">
    <Description Group="Itinerary" Role="Body" Index="3">
    <Description Group="Itinerary" Role="Body" Index="4">
    <Description Group="Itinerary" Role="Body" Index="4">
    <Description Role="Body">
    <Description Role="Body">
    <Description Role="Introduction">
    <Description Role="Sales">
    <Description Role="Body">
    <Description Role="Body">
    <Description Role="SubTitle">
    <Description Role="Title">
    <Description Group="Itinerary" Role="Title">
    <Description Role="Body">
    <Description Role="Media">
  </Descriptions>
</Segment>
```

characteristics

descriptions

Products catalog file – Segment node



## 2.2.1. Product characteristics

Xpath in Segment node	Observation
<code>@xsi:type</code>	Product type
	« SegmentWaterType »   Water product
<code>@Is</code>	Product type complement
	« Croisiere »   Cruise
	« Circuit »   Tour
<code>/Code[@Role="Product"] @Value</code>	Product code
<code>/Code[@Role="Product"] @Parent</code>	Grouping code of products
<code>/Brands/Brand[@Role="Reference"] @Value</code>	Brand code
<code>/Durations/Duration[1][@Unit="Day"] @Value</code>	Number of days
<code>/Durations/Duration[2][@Unit="Night"]</code>	Number of nights
<code>/Segments/Segments[@What="Addons"]</code>	List of product addons (References to Addons catalog)
<code>/Segment @Type</code>	Addon type
	« SegmentMiscellaneousType »   Standard
<code>/Segment @Apply</code>	Addon application
	« Optional »   Non mandatory, non automatic
	« Included »   Mandatory & automatic
	« Automatic »   Automatic only
<code>/Segment CDATA</code>	Addon label
<code>/Segment/Codes/Code[@Role="Product"] @Value</code>	Addon code
<code>/Segment/Codes/Code[@Role="Type"] @Value</code>	[not used]
<code>/Segment/Codes/Code[@Role="Confort"] @Value</code>	Addon comfort code
<code>/Segment/Codes/Code[@Role="Keyword"] @Value</code>	[not used]
<code>/Segment/Codes/Code[@Role="Sort"] @Value</code>	Order of addon
<code>/Segments/Segments[@What="Details"]/Segment[@type="SegmentStayType"]</code>	Other characteristics of addon
<code>/At/Location/City @Ref</code>	Departure city of addon
<code>/MealPlan @Ref</code>	Mealplan code
<code>/Rooms/Room @Code</code>	List of occupancies on product (« Single », « Double », « Triple », « Quadruple »)
<code>/Keywords</code>	List of product keywords
<code>/Keyword @Ref</code>	Keyword ID in entity KeywordType
<code>/Histories</code>	
<code>/History[@Purpose="Issue" and @Rank="Last"] @When</code>	Last update date/hour of ship content (YYYY-MM-DDTHH:MM)
<code>/Rules</code>	
<code>/Rule[@Role="TravelRestriction"] @Name @Apply</code>	Product flags concerning CroisiEurope transport for this product @Apply : Optional, Mandatory, Blocked @Name : Oneway, Return, SingleReturn (see below samples)



## TravelRestriction rule samples :

<Rule Role="TravelRestriction" Apply="Blocked"/>	No transport
<Rule Role="TravelRestriction" Apply="Mandatory" Name="Return"/>	Mandatory transport inbound and outbound
<Rule Role="TravelRestriction" Apply="Mandatory" Name="Oneway"/>	Mandatory transport at the beginning of the product
<Rule Role="TravelRestriction" Apply="Mandatory" Name="SingleReturn"/>	Mandatory transport at the end of the product

### 2.2.2. Product descriptions (/Descriptions)

Node description contains list of qualified contents of product with a title, a text like

```

<!-- Qualified content for text "This offer does not include" -->
<Description Role="Body">
  <Types>
    <Type Ref="TY_Price"/>
  </Types>
  <Codes>
    <Code Role="Type" Key="COMPRED_PAS"/>
  </Codes>
  <!-- Title -->
  <Title><![CDATA[This offer does not include]]></Title>
  <!-- Text -->
  <Text><![CDATA[<p>the international flights- transfers - Lunch on Day 1 a
visa: &euro;110 per person (2015 rate, subject to change) - (if request is
</p>]]></Text>
</Description>

```

*Description node – qualified content title and text with red attributes*

Notes :

- It's possible to have several description with same attributes.
- A Description node can have medias too :

```

<Description Role="Body">
  <Types>
    <Type Ref="TY_Product"/>
  </Types>
  <Codes>
    <Code Role="Type" Key="SLIDERPRODUIT"/>
  </Codes>
  <Title><![CDATA[Image slider]]></Title>
  <Media Role="Image">
    <URL><![CDATA[https://images.croisieurope.com/media/ff0658e4-8342-4ac6-86df-
</Media>
    <Media Role="Image">
      <URL><![CDATA[https://images.croisieurope.com/media/cdba4e7c-0ede-48d5-a948-
</Media>
  <Text><![CDATA[<p>Image slider</p>]]></Text>
</Description>

```

*Description node – medias*

- There is also a special description node @Role="Media" that contains main qualified ("Map", "Image", "Vignette", "Video") medias of product. It's possible to have several medias with same role.





```

<Description Role="Media">
  <!-- Map -->
  <Media Role="Map">
    <URL><![CDATA[http://medias.croisieurope.com/16568/16568_3971_2_phpVUnPs.jpg]]></URL>
  </Media>
  <!-- Standard images -->
  <Media Role="Image">
    <URL><![CDATA[http://medias.croisieurope.com/16568/16568_1_4_phpXEXwv.jpg]]></URL>
  </Media>
  <!-- Main images -->
  <Media Role="Vignette">
    <URL><![CDATA[https://images.croisieurope.com/media/c2ec2d19-02b2-47b5-a019-ff257f97c829/6
  </Media>
</Description>

```

Description node @Role="Media"

List of qualified descriptions :

Content	Attribute				Observation
	@Group	@Role	@Key	@Ref	
Title		Title	TITRE		No node Title Mandatory content
Introduction		Introduction	INTRO		Mandatory content
This offer includes		Body	COMPREND	TY_Price	Mandatory content
This offer does not include		Body	COMPREND_PAS	TY_Price	Mandatory content
Highlights		Sales	MARKETING		Mandatory content
CroisiEurope +		Body	MARKETINGPOUR TOUS	TY_Sales	
Subtitle		SubTitle	SOUSTITRE		No node Title
Routing		Body	TRANSPORT	TY_Transportation	
Formalities		Body	FORMALITES	TY_PracticalInformation	
Additional information		Body	BONASAVOIR	TY_PracticalInformation	
Practical information		Body	INFO	TY_PracticalInformation	
Mentions		Body	MENTIONOBLIGATOIRE	TY_PracticalInformation	
Discounts		Body	AVANTAGES	TY_Advantage	
ItineraryTitle	Itinerary	Title	TITREITINERAIRE		
Itinerary	Itinerary	Body	VOYAGE	TY_Trip	Itinerary day by day1 : @index = day number with a description (VOYAGE and a short description VOYAGECOURT) + one image + list of ports in day (Ckeckout = departure hour / CheckIn = arrival hour)
	Itinerary	Body	VOYAGECOURT	TY_Trip	
Image slider		Body	SLIDERPRODUIT	TY_Product	List of images