

# Instruction of integration with Nokaut.pl

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## 1 Introduction

### 1.1 Definitions

- a. **Offer** – information concerning the goods sold by a given e-store (e.g. price, images, shipping costs, etc.).
- b. **Product** – information concerning a specific good along with offers of all stores, in which it is available.
- c. **Nokaut.pl Catalogue** – data structure, in which Nokaut.pl displays available products. Needs not to be identical with catalogue structure of stores offering a given good.
- d. **Integration** – one-off process consisting in enabling by the store of XML file, from which Nokaut.pl will download up-to-date details of the store offer on regular basis.

### 1.2 General principles of integration with Nokaut.pl

By registering your store at <https://sprzedawca.nokaut.pl/rejestracja> you gain access to *Seller Centre (Centrum Sprzedawcy)* available at <https://sprzedawca.nokaut.pl>.

Upon registration, our system usually detects the platform, on which your store operates and XML file containing its offer. If you have dedicated software or use store platform with no automatic integration with Nokaut.pl, you must enter the XML file URL manually in your Seller Centre(*Centrum Sprzedawcy*), in the *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* panel.

Nokaut.pl system downloads the XML file from the dedicated URL automatically, analyses its offers, combines them (groups) with already existing products or creates new products and publishes them in Nokaut.pl catalogue.

List of integrated offers will be displayed in the *Offer -> Offers in Sales Centre (Oferta -> Oferty w Centrum Sprzedawcy)* section. This panel enables also blocking the display of certain categories or offers, if needed.

Store offer will be published at Nokaut.pl in 24 h from establishing the links (if the account is fed. Information on each download of the offers and number of downloaded and presented offers is available at the *desktop* in your *Seller Centre (Centrum Sprzedawcy)*).

### 1.3 Automatic integration

Many store platforms have functionality enabling integration with the Nokaut.pl system and automatic generation of valid XML file. In such case, upon registration, our system detects the platform of your store automatically and checks file validity (so called *Test import (Import testowy)*).

For certain types of software, downloading and installation of a plug or manual entering of valid XML file URL available in the panel of your store and published by your platform, is necessary. You may perform it in the *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* tab. If your type of store is unavailable at the list, read the instructions provided in the **1.4 Manual integration** chapter.

Upon selecting software, the *URL of XML file with your offer (Adres pliku XML z Twoją ofertą)* field will be filled-in automatically. Click *Integrate offer (Zintegruj ofertę)*. Course of integration process and current test import status may be checked in the *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* tab. In this way you will confirm that the

offer of your store is to be integrated via this file. If you want to check validity of structure of the enabled file, the option of test import performance is to be found below. In the case of error, read carefully the message displaying under the integration progress bar and follow the instruction.

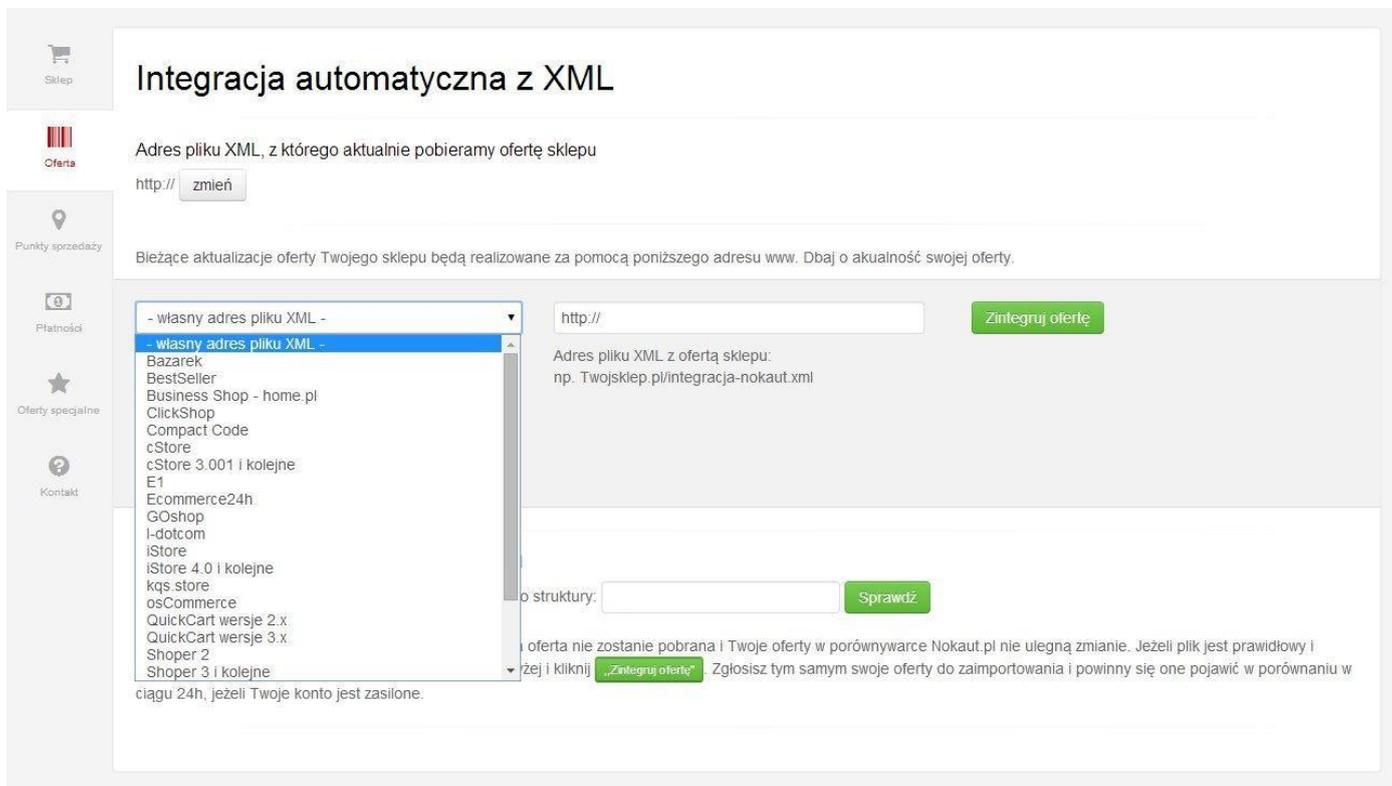


Fig. 1 Integration settings in the Seller Centre

## 1.4 Manual integration

If the e-commerce platform list in the *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* tab contains no type of your software, this may mean that the solution, on which your store is based, has no applicable plug.

To create a plug, visit the <https://sprzedawca.nokaut.pl/informacje-techniczne>. You will find there exemplary, fully documented PHP scripts, which may be tailored to the needs of any e-store based on this solution. The scripts should generate XML filed in a format described in Chapter 2.

Upon successful plug creation, go to *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* tab in the Seller Centre (Centrum Sprzedawcy) and in the *Store software type (Typ oprogramowania sklepu)* field select the *proprietary software (własne oprogramowanie)* option and fill in the *URL of XML file with your offer (Adres pliku XML z Twoją ofertą)* field. Then click *Start test import (Rozpocznij import testowy)*.

## 1.5 Test import

Validity of location and content of XML file may be checked by using the *Test import (Import testowy)* function. During the test import, our system will check availability of XML file, its format validity, and will display useful tips when the errors are found. Test import may last between 1 and 90 minutes - depending on the number of offers available in your store. **Note!** Test import checks the validity of file structure i.e. presence and validity of mandatory tags defining XML language.

## 2 XML file format

### 2.1 Exemplary XML document

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE nokaut SYSTEM "http://www.nokaut.pl/integracja/nokaut.dtd">
<nokaut generator="MyOwnShop" ver="1.0">
<offers>
<offer>
  <id>1</id>
  <name><![CDATA[Canon EOS 500D]]></name>
  <description><![CDATA[Doskonały następca modelu Canon 450D. Model 500D wyposażony został
w nowoczesną matrycę o rozdzielczości 15.1mln, rozszerzony zakres czułości 100-3200 (12.800) oraz
możliwość nagrywania filmów w rozdzielczości Full HD. ]]></description>
  <url><![CDATA[http://www.example.org/produkt1.html]]></url>
  <image><![CDATA[http://www.example.org/img/produkt1.jpg]]></image>
  <weight>0.580</weight>
  <price>2425.90</price>
  <category><![CDATA[Aparaty cyfrowe / Lustrzanki cyfrowe]]></category>
  <producer><![CDATA[Canon]]></producer>
  <property name="EAN"> 871 4574 535326</property>
  <property name="rozdzielczość"><![CDATA[15 Mpx]]></property>
  <promo><![CDATA[Zamawiając ten produkt przed 31.12.2012 dostaniesz 2 bilety do kina
gratis]]></promo>
  <instock>10</instock>
  <availability><![CDATA[dostępny od ręki]]></availability>
  <warranty><![CDATA[Gwarancja producenta 2 lata od daty zakupu]]></warranty>
</offer>
<offer>
  <id>2</id>
  <name><![CDATA[Canon IP 4200]]></name>
  <description><![CDATA[Nowa drukarka Canon PIXMA iP4200: doskonała jakość, doskonała
cena]]></description>
  <url><![CDATA[http://www.example.org/produkt2.html]]></url>
  <image><![CDATA[http://www.example.org/img/produkt2.jpg]]></image>
  <weight>2.420</weight>
  <price>400.45</price>
  <category><![CDATA[Drukarki / Drukarki atramentowe]]></category>
  <producer><![CDATA[Canon]]></producer>
  <promo><![CDATA[Do każdej drukarki zakupionej do końca marca - ryza papieru gratis]]></promo>
  <instock>13</instock>
  <availability>1</availability>
  <warranty><![CDATA[Gwarancja producenta 12 miesięcy od daty zakupu]]></warranty>
</offer>
```

```

<offer>
  <id>3</id>
  <name><![CDATA[Nokia 6610i]]></name>
  <description><![CDATA[<strong>Telefon Nokia 6610i</strong> przeznaczony dla biznesu i wymagających,
który posiada funkcje aparatu i wysyłania MMS]]></description>
  <url><![CDATA[http://www.example.org/produkt3.html]]></url>
  <image><![CDATA[http://www.example.org/img/produkt3.jpg]]></image>
  <weight>0.350</weight>
  <price>15.97</price>
  <price_old>19.90</price_old>
  <category><![CDATA[Telefony / Telefony komórkowe]]></category>
  <producer><![CDATA[Nokia]]></producer>
  <promo><![CDATA[Do każdego telefonu Nokia dołączamy smycz z logo naszego sklepu.]]></promo>
  <instock>5</instock>
  <availability>0</availability>
  <warranty><![CDATA[24 miesiące]]></warranty>
</offer>
</offers>
</nokaut>

```

## 2.2 Mandatory fields

Field	Description
nokaut	<p><b>Data structure opening tag</b> To be placed at the beginning and end of file (see example). Optional parameters include "generator" and "ver", into which store or e-commerce platform software name and version should be entered.</p> <p><b>Parameters:</b></p> <p><b>generator - e-commerce platform</b> Information on platform, on which the store operates. In the case of osCommerce solution, the field should display "osCommerce".</p> <p><b>ver –e-commerce software version</b> Commercial software has official versions assigned. This parameter should contain number/name of version.</p> <p><b>Valid platform</b>  <pre>&lt;nokaut generator="SklepyFirmowe"&gt; &lt;nokaut generator="osCommerce"&gt; &lt;nokaut generator="sote" ver="5.0"&gt;</pre> </p>

<p>name</p>	<p><b>Offer name</b> Complete product name, e.g. &lt;name&gt;Canon EOS 500D&lt;/name&gt;</p> <p>If a given product is available in several versions, e.g. with additional options, different colors, we recommend entrance for each version of this product of the same name in brackets in the product name, e.g. &lt;name&gt;Canon EOS 500D (+obiektyw EF-S 50)&lt;/name&gt; and use of &lt;property&gt; tag. Remember that each version should have individual URL. If not possible, add #1234 to the URL ( &lt;url&gt; field), where 1234 is version code.</p> <p><b>Note! Do not enter information on Promos or availability in this field. This will result in extender integration of offers with Nokaut.pl catalogue. Use &lt;promo&gt; tag for Promos and &lt;availability&gt; tag for availability (specification in <a href="#">Optional fields chapter</a>).</b></p> <p><b>Guidelines for laptop and netbook names</b> The guidelines below should be applied in the offer names. Adding in XML of 'model' property and placing the attributes provided in bold in the examples below shall be an additional advantage.</p> <p><b>HP:</b> The company uses two main labelling types - model and part number. Part number is required in any case, models required for Pavilion and Presario families. Exemplary valid names for HP: HP ProBook 6560b <b>A3Q11ES</b> HP EliteBook 2560p <b>LG668EA</b> HP Pavilion <b>dv7-6b30ew</b> HP Pavilion <b>dv7-6b10sw A8W28EA</b></p> <p><b>Toshiba:</b> Toshiba laptops label includes part number and model. Part number is not required (e.g. PSK2YE- OHT00RPL), model is mandatory. Exemplary valid names for Toshiba: Toshiba Satellite <b>L750-1L9</b> Toshiba Qosmio <b>F750-110</b> Toshiba Satellite Pro <b>R850-1G0</b></p> <p><b>Lenovo:</b> Mandatory part number, in different form, depending on family. Examples: Lenovo ThinkPad T430 <b>N1T59PB</b> Lenovo ThinkPad X1 <b>NWG3VPB</b> Lenovo IdeaPad B570 <b>59-325606</b> Lenovo G575 <b>59-325821</b></p> <p><b>Dell:</b> Mandatory part number, examples: Dell Inspiron Q15R <b>C0453234</b> Dell XPS L502x <b>C0425671</b></p>
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**Asus:**

Mandatory models in the following format. Letter or no letter at the end is of importance (labeling of the operating system)

Asus **A53E-SX1840**

Asus **G53SX-S1163V**

**Fujitsu:**

Mandatory part number:

Fujitsu Lifebook P771 **P7710MF041PL**

Fujitsu Celsius H910 **H9100WF011PL**

**Sony:**

Models in the following format:

Vaio **VPC-EH2M1E** Sony

Vaio **VPC-F21Z1E**

**Samsung:**

Models in the following format:

Samsung **NP300E5A-S08PL**

Samsung RC530 **NP-RC530-S03PL**

(NP prefix optional)

**MSI:**

Models in the following format:

MSI **GT683-626PL**

MSI **CR643-019XPL**

**Acer:**

Mandatory part number:

Acer TravelMate 5760-2338G75 **LX.V5702.007**

Acer TravelMate 5744Z-P626G75 **LX.V5N0C.044**

**Packard-Bell:**

Mandatory part number:

Packard-Bell ENTS11HR **LX.BWR02.053**

Packard-Bell ENTS11HR **LX.BWR02.074**

**Apple:**

Producer codes as at the examples below: Apple MacBook Pro 15

**MD318PL/A** Apple MacBook Pro 13

**MD102PL/A**

(PL/A suffix optional)

id	<p><b>Unique offer ID</b> Numerical or text-based (ID or code) e.g. &lt;id&gt;34532&lt;/id&gt;</p> <p>ID of the same offer <b>may not be changed</b> during subsequent file updates. Updates made on the basis of this offer attribute.</p>
description	<p><b>Complete offer description</b> Description should contain complete content published on the offer website. Permissible HTML code (preceded with &lt;![CDATA[ and ended with ]&gt;) and XHTML code, if of valid structure and correct validation (in any other case, use CDATA). If possible, enter product technical data (specification) in this field.</p> <p><b>Valid description:</b> &lt;description&gt; Perfect successor of Canon 450D. 500D model is equipped with cutting-edge matrix of 15.1 million resolution, extended sensitivity of 100-3200 (12.800) and optional film recording in Full HD.&lt;/description&gt;</p> <p><b>Valid CDATA description:</b> &lt;description&gt;&lt;![CDATA[Perfect successor of Canon 450D. 500D model is equipped with cutting-edge matrix of 15.1 million resolution, extended sensitivity of 100-3200 (12.800) and optional film recording in Full HD.]]&gt;&lt;/description&gt;</p> <p><b>Note: Embedding of several CDATA elements inside each other results in invalid tag content. Frequent errors include mistaken embedding of JavaScript codes into CDATA element.</b></p>
url	<p><b>Offer URL</b> When clicking the URL, the visitor should be enabled to add the selected offer directly to the basket and/or direct purchase. URL should contain http:// and www server URL. If the URL contains such characters as &amp;, it should be entered between &lt;![CDATA[ i ]&gt; or &amp; characters should be replaced by &amp;amp; Each offer should have unique URL assigned. If not possible, add #123 to URL, where 123 is offer ID.</p> <p><b>Valid URLs:</b> &lt;url&gt;&lt;![CDATA[http://www.example.com/asp/sp.asp?productid=1030&amp;cat=2]]&gt;&lt;/url&gt; &lt;url&gt;http://www.example.com/asp/sp.asp?productid=1030&lt;/url&gt; &lt;url&gt;http://www.example.com/asp/sp.asp?productid=1030&amp;amp;cat=2&lt;/url&gt;</p> <p><b>Invalid URLs :</b></p> <ul style="list-style-type: none"> <li>• <b>incomplete url,</b> &lt;url&gt;/asp/sp.asp?productid=1030&lt;/url&gt;</li> <li>• <b>no direct offer url,</b> &lt;url&gt;http://www.example.com/shop/&lt;/url&gt;</li> <li>• <b>nor replacement of &amp; to &amp;amp;</b> &lt;url&gt;http://www.example.com/asp/sp.asp?productid=1030&amp;cat=2&lt;/url&gt;</li> </ul>

<p>price</p>	<p><b>Gross offer price</b> Current gross price (including VAT) of the offer expressed in PLN. If the price includes grosz, it should be separated with a dot. Do not use spaces to separate the groups of figures or add currency code to the price i.e. "zł" or "-".</p> <p><b>Valid price:</b> &lt;price&gt;3599.05&lt;/price&gt;</p> <p><b>Invalid price:</b> &lt;price&gt;4 555,34 PLN&lt;/price&gt; &lt;price&gt;2.455,89 PLN&lt;/price&gt;</p>
<p>category</p>	<p><b>Category name</b> Complete url of category, into which the offer is grouped. It should be preceded with &lt;![CDATA[ and closed with ]]&gt;</p> <p><b>Valid name:</b> &lt;category&gt;&lt;![CDATA[Dom i ogród/Kuchnia &gt; Lodówki]]&gt;&lt;/category&gt; &lt;category&gt;Dom i ogród / Kuchnia &amp;gt; Lodówki&lt;/category&gt;</p> <p><b>Invalid names:</b> &lt;category&gt;15"&lt;/category&gt; &lt;category&gt;Strona główna&lt;/category&gt;</p> <p>To facilitate integration with Nokaut.pl, category name from Nokaut.pl product catalogue may be provided, into which the offer should be grouped, however this solution is optional. The most convenient way is to provide store category. Complete list of categories in Nokaut.pl is available at <a href="https://sprzedawca.nokaut.pl/integracja-kategorie.html">https://sprzedawca.nokaut.pl/integracja-kategorie.html</a>, however this list is extended as needed.</p> <p><b>Note: each change to the category name results in necessary moderation of offers from this category. In this period, the offers are not displayed in the service.</b></p>
<p>producer</p>	<p><b>Producer</b> Abbreviated name of product producer or service provided should be entered. If the producer is a corporation consisting in multiple brands, use the brand name. Producer name is of importance for product grouping. Preceding the producer name with &lt;![CDATA[ and closing with ]]&gt; is recommended.</p> <p><b>Valid name:</b> &lt;producer&gt;&lt;![CDATA[Sony]]&gt;&lt;/producer&gt; &lt;producer&gt;Sony&lt;/producer&gt;</p> <p><b>Invalid name (complete instead of abbreviated):</b> &lt;producer&gt;Koninklijke Philips Electronics N.V.&lt;/producer&gt;</p>

image	<p><b>Image is mandatory for the following areas:</b></p> <ul style="list-style-type: none"> <li>- entire Fashion and style (in Jewelry it must be at least 500x500px);</li> <li>- fragrances in Beauty products;</li> <li>- toys;</li> <li>- baby, child and sports clothing;</li> <li>- furniture, bedclothes, furnishings (among others, floor panels, ceramic tiles, paintings);</li> <li>- backpacks, bags, covers;</li> <li>- erotic lingerie and BDSM accessories;</li> <li>- automotive visual tuning.</li> </ul> <p><b>More details on <i>image</i> in Clause 2.3.</b></p>
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## 2.3 Optional fields

Field	Description
property	<p><b>Code, property or technical specification</b></p> <p>To facilitate linking the offers and products and finding the offer among different ones, codes and properties of the offer may be provided, depending on its type.</p> <p>In this field the following code should be entered:</p> <ul style="list-style-type: none"> <li>- ISBN code,</li> <li>- EAN code (number from bar code),</li> <li>- MPN code (manufacturer product code, i.e. unique product code specified by the producer),</li> <li>- BDK code (if store cooperates with this company),</li> <li>- OSDW Azymut code</li> <li>- etc.</li> </ul> <p>Exemplary entries:</p> <pre>&lt;property name="isbn"&gt;0957921896&lt;/property&gt; &lt;property name="ean"&gt;689076109895&lt;/property&gt; &lt;property name="mpn"&gt;eos500d&lt;/property&gt; &lt;property name="bdk"&gt;23233&lt;/property&gt; &lt;property name="osdw"&gt;42165000207KS&lt;/property&gt;</pre> <p>Only a single value for a given <i>property</i> may be entered. The examples below will be classified by the system as invalid:</p> <pre>&lt;property name="isbn"&gt;0957921896, 08345768&lt;/property&gt; &lt;property name="ean"&gt;689076109895 5938672040523&lt;/property&gt; &lt;property name="bdk"&gt;1234567;5326543;3490535&lt;/property&gt;</pre>

	<p>If any e-store with auto parts is integrated, vehicle model may be entered. If the store offers digital camera and contains technical specification of these camera in its database, including such properties as resolution, weight, size or zoom, these may be entered here. The more properties, the better - each will support the visitors in making their purchase decision.</p> <p>Exemplary use of this field:</p> <pre>&lt;offer&gt; &lt;name&gt;Canon Digital IXUS 40&lt;/name&gt; &lt;property name="jasność"&gt;f/2.8 – f/4.9&lt;/property&gt; &lt;property name="weight"&gt;130 g&lt;/property&gt; &lt;property name="temperatura w której pracuje"&gt;0 - 40 °C&lt;/property&gt; &lt;property name="blokada ekspozycji"&gt;tak&lt;/property&gt; ... &lt;/offer&gt;</pre> <p>These fields are of particular importance for books, music or multimedia:</p> <pre>&lt;property name="autor"&gt;Tom Clancy&lt;/property&gt; &lt;property name="wykonawca"&gt;Radiohead&lt;/property&gt; &lt;property name="reżyser"&gt;Steven Spielberg&lt;/property&gt;</pre> <p>Names of properties may be discretionary. The condition is however, that these should describe the field content in unambiguous manner. Using of property names, which have already been used at Nokaut.pl sites is recommended, since it will accelerate integration, however this solution is optional. If the given property is defined just by existing in specific offer (f.ex. Speed control: yes/no), then 'yes' or 'no' should be used as &lt;property&gt; content.</p> <p><b>Sets</b></p> <p>In the case of offer in a form of set (e.g. photo camera + lens or laptop and printer), we may embed such information in XML using the 'set' field.</p> <p>Exemplary use:</p> <pre>&lt;property name="zestaw"&gt;tak&lt;/property&gt;</pre> <p><b>Note! In certain cases, a specific <i>property</i> field is highly recommended! This is the case for the following categories:</b></p> <ul style="list-style-type: none"> <li>- Books (recommended &lt;property name="isbn"&gt;)</li> <li>- Health (recommended &lt;property name="ean"&gt;)</li> <li>- Delicatessen (recommended &lt;property name="ean"&gt;)</li> <li>- Films (recommended &lt;property name="ean"&gt;)</li> <li>- Music (recommended &lt;property name="ean"&gt;)</li> </ul>
image	<p><b>offer image URL</b></p> <p>Complete url containing http:// and www server URL. If a given offer displays no image, do not use this field or the field should be left blank. Do not enter the links to the images with 'no image' content.</p> <p>URL should redirect to image of the highest possible quality and size. Our system will manage to decrease it. If URL contains such characters as &amp;, these should be replaced with &amp;amp;</p>

	<p><b>Change of specific offer image</b></p> <p>In the case of change of image into the other one, its URL should be also changed. The following parameter may be added at the end:</p> <p><b>old</b> - <a href="https://example.pl/theme/img/produkty/19228/img.jpg">https://example.pl/theme/img/produkty/19228/img.jpg</a>  <b>new</b> - <a href="https://example.pl/theme/img/produkty/19228/img.jpg?v=2">https://example.pl/theme/img/produkty/19228/img.jpg?v=2</a></p> <p><b>Valid URL:</b>  <code>&lt;image&gt;http://www.example.com/images/1006-large.jpg&lt;/image&gt;</code></p> <p><b>Invalid URL (incomplete):</b>  <code>&lt;image&gt;/images/1006.jpg&lt;/image&gt;</code>  <code>&lt;image&gt;www.example.com/images/1006.jpg&lt;/image&gt;</code></p> <p><b>Note! Image mandatory in the following areas:</b></p> <ul style="list-style-type: none"> <li>- toys;</li> <li>- entire Fashion and style (in Jewelry it must be at least 500x500px);</li> <li>- fragrances in Beauty products;</li> <li>- baby, child and sports clothing;</li> <li>- furniture, bedclothes, furnishings (among others, floor panels, ceramic tiles, paintings);</li> <li>- backpacks, bags, covers;</li> <li>- erotic lingerie and BDSM accessories;</li> <li>- automotive visual tuning.</li> </ul>
gallery	<p><b>Offer image gallery</b></p> <p>Each offer may have its own image gallery.</p> <p>Gallery is defined by adding <code>&lt;gallery&gt;</code> tag, to which we embed <code>&lt;image&gt;</code> tag for each additional photo.</p> <p><code>&lt;image&gt;</code> tag embedded in the gallery should be structured as for standard use.</p> <p><b>Valid use:</b>  <code>&lt;gallery&gt;</code>  <code>&lt;image&gt;&lt;![CDATA[http://www.example.com/images/1006large-g1.jpg]]&gt;&lt;/image&gt;</code>  <code>&lt;image&gt;&lt;![CDATA[http://www.example.com/images/1006large-g2.jpg]]&gt;&lt;/image&gt;</code>  <code>&lt;/gallery&gt;</code></p> <p><b>Invalid use:</b>  <code>&lt;image&gt;&lt;![CDATA[http://www.example.com/images/1006large-g1.jpg]]&gt;&lt;/image&gt;</code>  <code>&lt;image&gt;&lt;![CDATA[http://www.example.com/images/1006large-g2.jpg]]&gt;&lt;/image&gt;</code></p>
promo	<p><b>Promo information</b></p> <p>If a given offer is a valid promo, information on the type of promo should be entered e.g.  <code>&lt;promo&gt;&lt;![CDATA[When ordering this product before 31.12.2010, you'll get 2 cinema tickets for free]]&gt;&lt;/promo&gt;</code></p> <p><b>Note! Promo information should contain no more than 255 characters.</b></p>

instock	<p><b>Inventory</b></p> <p>Inventory (instock) - this information will be displayed to the nokaut.pl service visitors. It influences the position of the offer presentation. Valid inventory:</p> <pre>&lt;instock&gt;1&lt;/instock&gt;</pre> <pre>&lt;instock&gt;0&lt;/instock&gt;</pre> <pre>&lt;instock&gt;20&lt;/instock&gt;</pre> <p>Invalid inventory:</p> <pre>&lt;instock&gt;w piątek mam dostawę&lt;/instock&gt;</pre> <pre>&lt;instock&gt;kilka&lt;/instock&gt;</pre> <pre>&lt;instock&gt;więcej niż 1&lt;/instock&gt;</pre> <p><b>Note! In the case of invalid value of &lt;instock&gt; tag, it will be considered as no information. In the case of '0' value of &lt;instock&gt; tag, the system will automatically set the availability value of goods (&lt;availability&gt; tag) into 'check in store'. In this case, the store offer will be not available in the Nokaut Basket service.</b></p>
weight	<p><b>Item weight</b></p> <p>The field should display total offer weight including packaging. It will be used to calculate shipping costs in the case, in which consignment fee depends on weight. Weight should be entered in kilograms, grams should be separated with dot. Do not use spaces to separate a group of digits or add 'gr' or 'kg' code to weight.</p> <p><b>Valid weight:</b></p> <pre>&lt;weight&gt;25.5&lt;/weight&gt;</pre> <pre>&lt;weight&gt;25.5&lt;/weight&gt;</pre> <pre>&lt;weight&gt;0.55&lt;/weight&gt;</pre> <p><b>Invalid weight:</b></p> <pre>&lt;weight&gt;1,000.5&lt;/weight&gt;</pre> <pre>&lt;weight&gt;5kg&lt;/weight&gt;</pre> <pre>&lt;weight&gt;0,55&lt;/weight&gt;</pre> <p><b>Note! In the case, in which &lt;weight&gt; tag value is blank or invalid, shipping costs set in the Seller Centre depend on weight ranges, calculation displayed to the user will apply the lowest range.</b></p>

shipping	<p><b>Gross shipping cost</b></p> <p>Minimum permissible gross shipping cost (including VAT) for a given offer. If the cost contains grosz value, it should be separated with dot. If shipping is free, enter 0 in the field. In the case of failure to enter the shipping cost, the price comparison site will consider it as no information. Do not use spaces to separate a group of digits or add 'zł' or '.-' currency code to cost. Shipping costs may be also set when configuring the store in the Nokaut.pl administrative panel and do not embed them in the XML file.</p> <p><b>Valid cost:</b></p> <pre>&lt;shipping&gt;29.00&lt;/shipping&gt;</pre> <p><b>Invalid cost:</b><pre>&lt;shipping&gt;20.25 zł&lt;/shipping&gt; &lt;shipping&gt;20,5&lt;/shipping&gt;</pre></p>
availability	<p><b>Good availability</b></p> <p>Availability of a given good – this information will be displayed as the integral part of the offer. Enabled values:</p> <ul style="list-style-type: none"><li>• "dostępny od ręki" (readily available) or "0"</li><li>• "dostępny do tygodnia" (available up to one week) or "1"</li><li>• "dostępny powyżej tygodnia" (available above one week) or "2"</li><li>• "dostępny na życzenie" (available on request) or "3"</li><li>• "sprawdź w sklepie" (check in store) or "4"</li></ul> <p><b>Valid availability:</b><pre>&lt;availability&gt;dostępny na życzenie&lt;/availability&gt; &lt;availability&gt;0&lt;/availability&gt;</pre><p><b>Invalid availability:</b><pre>&lt;availability&gt;w piątek mam dostawę&lt;/availability&gt; &lt;availability&gt;14 dni&lt;/availability&gt;</pre><p><b>Note! In the case of no information in &lt;availability&gt; tag or its invalid content, the default value 'check in store' will be applied.</b></p></p></p>
warranty	<p><b>Warranty information</b></p> <p>Text including description of warranty for a given good.</p> <pre>&lt;warranty&gt;Przykładowy opis gwarancji&lt;/warranty&gt;</pre> <p><b>Note! Warranty information should contain no more than 255 characters.</b></p>

price_old	<p><b>Original offer price</b></p> <p>Original gross price (including VAT) of the offer expressed in PLN (price before lowering, usually presented on sites as crossed out). If the price includes grosz, it should be separated with a dot. Do not use spaces to separate the groups of figures or add currency code to the price i.e. "zł" or "-".</p> <p>This field is used in addition to the current price, to highlight promoting values.</p> <p><b>Valid original price:</b> &lt;price_old&gt;3599.05&lt;/price_old&gt;</p> <p><b>Invalid original price:</b> &lt;price_old&gt;4 555,34 PLN&lt;/price_old&gt; &lt;price_old&gt;2.455,89 PLN&lt;/price_old&gt;</p>
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The previous version of specification described also the other tags, in particular variant and code. These were changed into <property name="variant"> and <property name="code">, respectively.

## 2.4 Additional information

XML document should contain Polish diacritic characters in the UTF-8 format, optionally ISO-8859-2 or Windows-1250, however in such case it should begin with the header <?xml version="1.0" encoding="ISO-8859-2"?> or <?xml version="1.0" encoding="Windows-1250"?>

Validity of the created XML file should be most preferably checked via external validators, e.g. <http://validator.w3.org/>

The file may be compressed using GZIP format, however only when its URL ends with.gz, e.g. "http://www.sklep.pl/oferta/nokaut.xml.gz".

Securing access to file at the store website is possible. Such securing may consist in so called HTTP Authentication. In such case, login and password should be provided in the file URL at the *Integration (Integracja)* site in the following form: "http://login:haslo@www.sklep.pl/oferta/nokaut.xml".

## 2.5 Frequent problems

1. Use of XML format, non-compliant with Nokaut.pl specification, however created for the needs of the other price comparison site or virtual mall and therefore contains no necessary data or the way of their recording is invalid.
2. Other *encoding* set than actual content of document and use of different encoding of different file parts. The entire document should be most preferable encoded in UTF-8, and prior to file publishing, check using <http://validator.w3.org/>
3. Invalid structure of XML file (unclosed tags, closing of section before its opening, etc.); **XML validity may be verified using the *Test import (Import testowy)* function in the Seller Centre (Centrum Sprzedawcy) or opening it in the browser (in the case of larger XML files it may take a while)**

4. Use of the following characters: **&** **<** **>** embedded in XML tags, e.g. in `<url>` or `<image>` field - these should be replaced with entities (**&amp;** instead of **&**, **&gt;** instead of **>** and **&lt;** instead of **<**) or enclose the tag content with the following code `<![CDATA[ and ]]>`
5. Use of " characters inside the parameter name at `<property>` tag - quote should be replaced with **&quot;**;
6. Invalid use of CDATA – valid recording is `<tag><![CDATA[treść]]></tag>`
7. Entering net price instead of gross price in `<price>` field
8. Entering zero price, price with characters other than digits and dot in `<price>` field
9. Missing in XML file of such data as producer name, ISBN code, EAN code or product code provided by the producer, if such data are available in the store database (see description of `<property>` tag)
10. Use in the XML file of a single Nokaut.pl category instead of multiple detailed categories available in the store, provided that the store sells products from the category, which has been not organized in details in Nokaut.pl yet
11. Use of incomplete category name, provided that categorization has multiple levels, e.g. `<category>15 cali</category>` instead of `<category>Sprzęt Komputerowy / Monitory / 15 cali</category>`
12. Use in the offer name of „dostawa gratis” (free shipping) type slogans. **Use `<promo>` tag instead (see field specification in [Optional fields](#) chapter)**
13. Embedding in XML files of the offers which are not displayed in the store (e.g. with ‘invisible’ or ‘inaccessible’ status in database)
14. No url server in `<url>` or `<photo>` field
15. Use of the same URL in `<url>` field or the same number in `<id>` field for different offers - URL and ID of each offer should be unique; if the store offers different product version at the same site, you may add "#" and offer number to URL (e.g. `<url>http://www.sklep.pl/produkt1000.html#5634</url>`)
16. One-off generation of XML file without its further and regular updating
17. If XML file is generated at the time of its downloading by PHP scripts, the scripts may unexpectedly terminate its operation. This is the case, when the product database is large and the server is overloaded - the solution is XML generation to a static file or using the `set_time_limit` function in PHP script.
18. In some cases, a statically generated XML file is inaccessible or is not completely generated at the time of downloading. File downloading time is different, therefore there is a possibility that it will be downloaded at the time of its generation. To avoid such situation, the script should generate XML file of temporary name, and upon generation of the entire file delete the previous file and change the name of the generated file into target (final) name.
19. Nokaut.pl service IP blocking, which enables offer downloading or updating. IP used for data downloading is possible to check via [kontakt@nokaut.pl](mailto:kontakt@nokaut.pl).

## 3 Answers to frequently asked questions

**I created a plug for XML file generation in valid format. Its address was entered into the *Offer -> XML Configuration (Oferta -> Konfiguracja XML)* panel in the Seller Centre (Centrum Sprzedawcy). Where the store offer will be published in Nokaut.pl?**

The entire process usually takes app. 24h. The Nokaut.pl system downloads the XML file in the course of daily data import process. Then the links between the categories are established. At the same time, offer images are downloaded.

Upon establishing the links and feeding the account, the offers are displayed in Nokaut.pl, grouped along with applicable products in the individual categories.

Information on each file download, number of downloaded, categorized and displayed offers is available at the desktop in the *Seller Centre (Centrum Sprzedawcy)*.

**I offer XYZ123 product, however at the site of XYZ123 product, which displays in Nokaut.pl browser, I see only the prices of this product available in the other stores, whereas my offer is displayed as the only one at the separate page presenting this product.**

The problem results from erroneous linking the offer with product. Such link is generated automatically, on the basis product name, its type (assigned to category) and producer name. In certain categories, template product databases of specific producers are used for this purpose, whereas in the other categories the offers are grouped in products on the basis of name, upon deletion of content in brackets from the offer name.

Please send information on such cases at [moderacja@nokaut.pl](mailto:moderacja@nokaut.pl). The Nokaut.pl team continues to improve offer grouping mechanisms, verifies information used for grouping (product types, category names and producer names) and implements manual adjustments to grouping.

To facilitate grouping, XML file should contain such information as EAN code, ISBN code or producer name, using the <property> tag.



## 4 Technical support

For technical support in the area of integration, please contact us at [integracja@nokaut.pl](mailto:integracja@nokaut.pl).