

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<osp:Shop xmlns:osp="http://elektronischer-markt.de/schema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:
schemaLocation="http://elektronischer-markt.de/schema http://kuhlins.de/elmar/schema/shop.xsd">
<Common>
<Version>1.1</Version>
<Language>de</Language>
<Currency>EUR</Currency>
</Common>
<Name>Online Shop</Name>
<Url>http://www.online-shop.local/</Url>
<Requests>
<OnlineRequest method="POST GET TRACE">
<Processor>http://www.online-shop.local/frontend.asp</Processor>
<ParamBrand>hersteller</ParamBrand>
<ParamProduct>produkt</ParamProduct>
<ParamDescription>beschreibung</ParamDescription>
<ParamID type="EAN">ean</ParamID>
<ParamID type="ISBN">isbn</ParamID>
<ParamQuickSearch>qs</ParamQuickSearch>
<ParamPriceBounds>
<LowerPrice>preismin</LowerPrice>
<UpperPrice>preismax</UpperPrice>
</ParamPriceBounds>
<ParamSize>maxanz</ParamSize>
<ParamIP>ip</ParamIP>
</OnlineRequest>
<OfflineRequest>
<UpdateMethods>
<DirectDownload day="daily" from="0" to="2400" />
</UpdateMethods>
<Format>
<Tabular>
<CSV>
<Url>http://www.online-shop.local/preisliste.csv</Url>
<Header columns="11">Artikelnummer;EAN;Artikelgruppe;Artikelbezeichnung;Artikelzusatz;Ab_Lager;Preis;Deeplink;Bild-URL-
Thumbnail;Bild-URL-Medium;Kategorie</Header>
<SpecialCharacters delimiter=";" />
</CSV>
<Mappings>
<Mapping column="1" columnName="Artikelnummer" type="privateid" />
<Mapping column="2" columnName="EAN" type="ean" />
<Mapping column="3" columnName="Artikelgruppe" type="type" />
<Mapping column="4" columnName="Artikelbezeichnung" type="name" />
<Mapping column="6" columnName="Ab_Lager" type="deliverable" />
<Mapping column="7" columnName="Preis" type="price" />
<Mapping column="8" columnName="Deeplink" type="url" />
<Mapping column="9" columnName="Bild-URL-Thumbnail" type="pictureurl" />
</Mappings>
</Tabular>
</Format>
</OfflineRequest>
</Requests>
<Interface>
<PositionLimit anonymous="yes">20</PositionLimit>
</Interface>
<Logo>http://www.online-shop.local/logo.gif</Logo>
<Address sale="yes">

```

shopinfo.xml

The standard for providing shop and product data

shopinfo.xml

In the context of a research project the University of Mannheim's chair of Information Systems III has created the `shopinfo.xml` standard. The idea of the standard is the definition of an open, interoperable, complete and all-purpose description format for master and product data of online shops. The intention is making information exchange as easy as possible between online shops and internet service providers.

For **online shops** several **advantages** result from using the standard:

- Easy registration of products at internet service providers such as market overviews, price comparisons, online catalogues and B2B procurement systems.
- Only one `shopinfo.xml` file is needed to exchange data with an unlimited number of partners, there is no additional overhead when establishing a new collaboration.

Developers of online shop systems benefit from supporting the standard by improving the attractiveness of their system in the eyes of their customers.

Accessing data of online shops gets easier for **internet service providers** and involves only little, one-time implementation effort.

Properties of the standard

- **Easy to use** There is an HTML form for the convenient creation of `shopinfo.xml` files
- **Free** There are no license costs or other fees
- **Secure** Standard security measures can be applied wherever needed
- **Simple** No additional hard- or software has to be used
- **Flexible** The standard is extensible and has an integrated version management
- **XML** `shopinfo.xml` is based on an XML schema and thereby is machine-readable, platform and system independent

The `shopinfo.xml` standard's concept is simple but very powerful. The project was sponsored by the "Dieter Schwarz" foundation, the resulting standard is used in productive systems, for instance by the commercial price comparison service providers *RockBottom* and *Shopwahl*.

Elm@r - the electronic market

In order to demonstrate the power and efficiency of the shopinfo.xml standard, Elm@r provides a free **reference implementation** that is already tested with over 750 online shops and over 1.8 million products.

Based on JavaServer Pages (JSP) and Java servlets, a complete electronic marketplace has been created that provides centralized search functionalities for the products of the participating shops.

Elm@r implements all features and possibilities of the standard in order to test them under real life conditions.

Elm@r – the electronic market is the reference implementation of the shopinfo.xml standard and provides detailed information about the standard at <http://project.wifo.uni-mannheim.de/elmar/> or <http://elektronischer-markt.de/> respectively.

Feel free to send us an email to info@elektronischer-markt.de.

Elm@r
 Der elektronische Markt

HOME
SUCHE
SHOPS
TECHNIK

Schnell
Suchen

Einfach | Erweitert | Shopliste | Produktindex | Volltextsuche | Plugin

Resultate, die zu den angegebenen Suchkriterien und Einstellungen passen: **canon ixus 700**
 4 - 6 von 52 Einträgen. Suchdauer: 1,028 Sekunden

Niedrigster Preis: **398,00 €** Mittlerer Preis: **441,95 €** Höchster Preis: **541,86 €**
[Druckfreundliche Ergebnisliste](#) [Erläuterungen](#)

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Anbieter	Produkt	Versandkosten	Preis	Datum
		Lieferbarkeit		
	Canon - Digital Ixus 700 Digitalkamera Artikel-Nr.: 104076 EAN: 8714574948959 Einführungsangebot: Jetzt mit Ulead Software DVD PictureShow DCS 2 ? Fotobrennerei ? schon wieder 49,00 EUR gespart !! Kamera inkl. Lithiumionen-Akku NB-3L, 32 MByte HighSpeed SecureDigital Speicherkarte, Akku-Ladegerät CB-2LUE, USB-Anschlusskabel IFC... [mehr]	ab 5,00 € (normal) ab 25,00 € (express) ab Lager 1 Tag (normal)	 429,00 €	01.06.05 21:38
	Canon - Digital IXUS 700 Multimedia Digitale Kameras Digitale Fotokameras Artikel-Nr.: 37865 242ZM66: Digital IXUS 700 7 Megapixel, 3fach opt. Zoom (37-111mm) 4fach dig. Zoom, 2,0" TFT-Display, 32MB SD Karte, Automatikblitz, Programmautomatik und manuelle Belichtung, Videoclip-Funktion (640x480/ 30bps) inkl. Li-Ion Akku, Ladegerät, Kabel, ... [mehr]	ab 0,00 € (normal) ab Lager 1 Tag (normal)	 450,08 €	01.06.05 21:38
	Canon - Canon IXUS 700 7 Mpix Canon Artikel-Nr.: DIG1208 Canon Digital Ixus 700 : Die Kultkamera in neuem Gewand und mit besserer Technik! Die Canon Ixus 700 präsentiert sich mit dem 7,1 Megapixel Sensor und einem neuen, für eine Ixus ungewöhnlichen Look. In dem titangrauen Gehäuse stecken zahlreiche neue... [mehr]	ab 6,95 € (Pauschal) ab Lager	467,90 €	01.06.05 5:43

Alle Angaben ohne Gewähr. Bitte prüfen Sie vor einer eventuellen Bestellung die Konditionen beim Shop.

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• Der elektronische Markt
• <http://elektronischer-markt.de/>

Result of a product search at the reference implementation Elm@r

Additional information

shopinfo.xml and Elm@r – the electronic market are projects of the University of Mannheim's chair of Information Systems III. Contact person for the project is:

Dr. Stefan Kuhlins

University of Mannheim

Chair of Information Systems III

68131 Mannheim

Email: stefan.kuhlins@elektronischer-markt.de

We would like to thank the following **online shops** for already joining the Elm@r project:

- Bershop.de
- BLE-Computer
- Bluehand.de
- Caseking
- Com-Tra.de
- Compito.de
- Computer Classic
- CSSC Online Shop
- CSV
- Cylife
- Deganius
- Deli d'Oc
- Digital-Versand
- Digitale-Welt
- DVD Works
- Dynabyte Hard- und Software
- E-Ro
- ECL Shop
- EDV-Wiemers
- Egovers
- einfach preiswert
- EROSPA-SHOP Versand
- Essential Systems
- format.de Distribution GmbH
- FortKnox
- FS Computer
- Game and Fun
- GedeData-Computer
- Geo-Technik Lichttechnik
- H&Z-Computerwelt
- Hammerhausen PC Store
- Imaging One
- Jacob Elektronik
- Karo-Online-Shop
- Kischkel ComputerTechnik
- Linkshandversand
- mobilejoker.de
- MWDATA - Systemberatung
- NORD PC
- notebook-laden.de
- Odenwald PC
- Padercomp Onlineshop
- PC-WebStore24.de
- PCanymore
- Preiswerte-Kosmetik.de
- Rossmann Online
- Stollen24.com
- unserkleinerladen.de
- web-shop.de
- xenon computer
- ...

Join the revolution of electronic commerce.