



# Business Software Integration

*ECR Baltic*

*15.04.2010*

*Presenter: Michael Ralkin (Edisoft)*

# Table of contents

1. What is integration
2. Web vs. Integration
3. EDI platform
4. Channels
5. Synchronization
6. Monitoring



# 1. What is integration

**Integration** – business software integration with EDI platform, for documents interchange automation.

Edisoft integrates not only various software applications, but it also integrates business partners with each other thus enabling partners to use the benefits of one common electronic community.

## 2. Web vs. Integration

### WEB

Small volume of documents

Using web-interface of it allows:

- Download, print electronic documents,
- Save electronic documents in XML format onto hard drive,
- Setup a notification to email that new document has arrived
- Synchronize commodity codes.
- Synchronize outlets' location codes.
- Requires:
  - Web-browser and Internet connection are sufficient prerequisites for this package.

### Integration

Substantial volume of exchanged documents

In addition to web functionality it allows:

- Forward documents automatically with no user interference,
- Convert electronic documents automatically into a format needed by Customer,
- Import\export data to\from Customer's system, a.k.a. integration,
- Requires:
  - Installation of software at Customer's site
  - Selection of needed data format by Customer.

# 3. Edi platform

- EDI platform is a B2B platform for electronic documents interchange.
- We guarantee compatibility with various data transfer standards. All together more than 100 formats.
- At the moment Edisoft supports more than 45 ERP systems.
- Edisoft platform uses GLN codes to identify partners. Thanks to this very fact, large number of documents are transferred between the partners located in different countries.
- Edisoft uses https, SOAP, VPN, SFTP, AS/2 and others as data transfer protocols

### 3. Edi platform. Main ERP systems

ERP systems	Description
SAP	With more than 75,000 customers, it's no wonder SAP is the recognized leader in collaborative business software
1C	Nr.1 ERP of Russian Federation
Axapta	
Navision	
Microsoft Dynamics AX	Designed for midsize and larger companies, Microsoft Dynamics AX is a multilanguage, multicurrency enterprise resource planning (ERP) solution
Microsoft Dynamics NAV	Microsoft Dynamics NAV, a business management solution for small and midsize businesses, received a number of national and international technology awards and recognition
<b>OTHERS:</b> Ankravs; Apvārsnis; Balans, Rivilē; Butent; Brio Engineering; Concord XAL; Dais; Eeva; Euro Skaita, Skaita; Mox; Finvalda; G.O.L.D.; Grins; HansaWorld; Kentauris; Labbis; Ladu20; Merit; MFG; Movex; Oskar; Pragma; Pralo; Presta; RV-Soft; SAF; Epicor Scala; Taavi; Tildes Jumis; Tovar; Uvis	

### 3. Edisoft platform. Service Level Agreement (SLA)

- Edisoft has the highest service parameters. Overall availability is higher than 99%. Our system is HA (high-availability) cluster-type, i.e. backup hardware is always available. Duplicated Internet channels and power sources are also used, including independent diesel generator.
- Service parameters included into the terms and conditions of the service agreement with the customer, provide immediate automated notification in case there are problems – monitoring all the possible issues.
- Different monitoring levels: monitoring connection availability, monitoring sent messages structural (integrity) errors, monitoring of missing expected (regular) incoming documents, monitoring of missing required (mandatory) fields and even monitoring that the process of reading or downloading of the electronic document was successfully completed. Service break should not exceed 2 hours.
- Various notification levels: connection, documents' structure, absence of regular documents, absence of needed fields, data import or export notifications.
- Documents' delivery notification – free service. Customer can configure him/herself via e-mail.
- Documents are delivered in 10-20 minutes.

### 3. Edisoft platform. Data protection

- Edisoft exchanges the customers' data with the original values via the encrypted channels.
- All the channels are protected from unauthorized access by modern protection and encryption methods.
- Edisoft platform supports electronically signed documents' interchange procedure in accordance with the legislation.
- Edisoft is following the ISO 27001 information security management systems' standards



# 4. Channels

Electronic documents interchange channels:

- Email
- SOAP
- https
- VPN
- SFTP
- AS/2 and others as data transfer protocols

# 5. Code synchronizations/matching

- Synchronize commodity codes. Another words to establish correspondence between commodity codes of supplier and retail chain
- Synchronize outlets' location codes. Another words to establish correspondence between delivery location codes of supplier and retail chain,

# 6. Monitoring

Electronic documents monitoring system allows:

- Company to tracks the documents' lifecycle;
- Track document statuses;
- Get assurance that documents are sent, received, read etc.;
- All user of EDISOFT to be informed and able to manage the process due to high service level.

Monitoring types:

- System report
- Code-matching reports
- Notifications of status changes to email
- Error message notifications, notifications, information messages
- Web-tracking

## 6. Monitoring. What is system report?

- Generally it is an XML message, which contains the statuses of the documents taken for the certain period of time. Thus periods of time make up batches. Batch corresponds to the period
- It can be considered as a separate document. In terms of Edisoft platform it is a separate XML document.
- The advantage of this system report is that it can be interpreted by the customer's software and for example imported into the database, marking all the relevant statuses for the documents in an automatic way.

## 6. Monitoring. What is code-matching?

### Code-matching can be perceived as:

- Code substitution. E.g. retailer internal code for the product gets substituted by the vendors code. This way every party works with its own codes.
- Code adding. Also - every party works with its own codes and can also see and save the counterparty code if willing to do so.
- Code verification. Codes of one party are verified against the codes of the counterparty and if missing, the product line is not imported. Depends on the business requirement of the documents' receiving party.

## 6. Monitoring. What are the statuses notifications?

- It is an email message, which is sent by the Edisoft platform.
- Any email address or multiple email addresses can be configured.

Example:

- New order has arrived. The order is addressed from the retailer to the small company, which uses EDI Web. Once notification came to the email address, the user of the small company can log in. Thus no need to constantly log into the EDI Web in order to check for new order every 5 minutes.

## 6. Monitoring. What are the error notifications?

- It is an email message, which is sent by the Edisoft platform or EDI parser.
- Any email address or multiple email addresses can be configured.
- Email can be sent in case of error: e.g. document were not converted and/or validated since its structural integrity (semantics) is broken. HIGH priority
- Email can be sent in case of warning: e.g. delivery point code is missing. Sending party of the electronic document is undefined for the receiving party. MEDIUM priority
- Email can be sent in case of INFO message: e.g. document was processed OK. LOW priority

## 6. Monitoring. What are the statuses notifications?

- Online web-application. Interface for humans, where person, who has login and password can see the electronic documents and their statuses online in nice readable format.
- User can see only these documents, where one of the parties is the company of the user. «Only his/her own electronic documents can be seen».



# Edisoft – Contacts

## Contact details

Edisoft Baltic OÜ

Reg. address: 10151, Jõe 9, floor 4

+372 611 6750

[info@edisoft.ee](mailto:info@edisoft.ee)

[www.edisoft.ee](http://www.edisoft.ee)

Next: EDI Advanced Application Services



Enjoy the day!