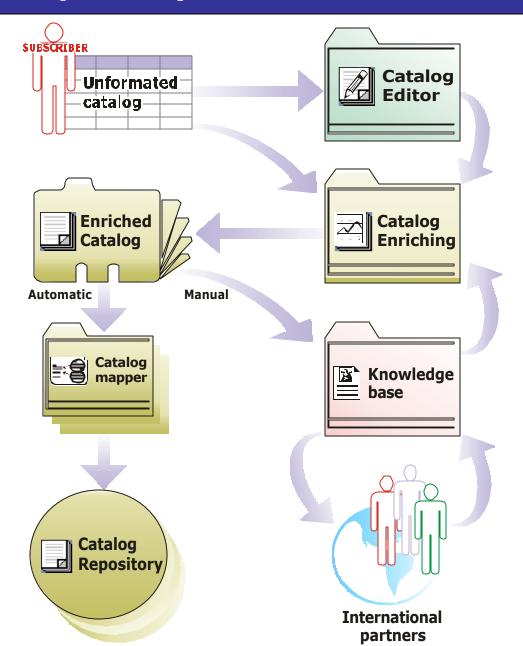


cXL ontology system, Cyscom Biznet Services work flow and business applications

cXL structures, enriches and semantically maps product data into a repository for work flow and applications



cXL is an ontology management system to structure and standardize data between users

3 components of cXL



catalog creator



catalog aggregator



catalog integrator

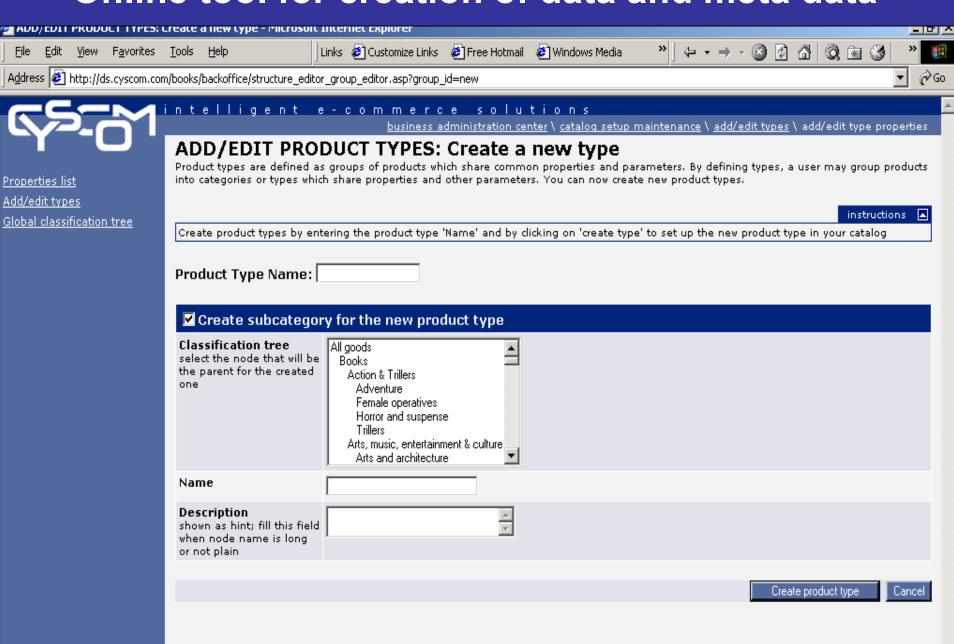
cXL standardizes information from proprietary data formats, semantically maps data and metadata from incompatible sources and converts information between different formats.

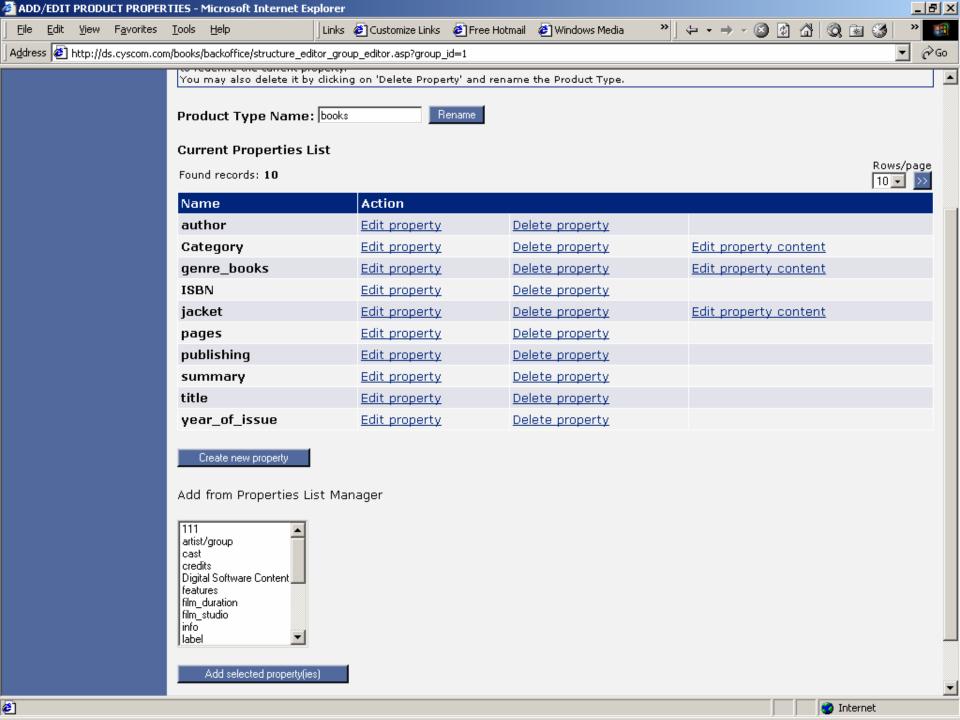
Catalog Creator

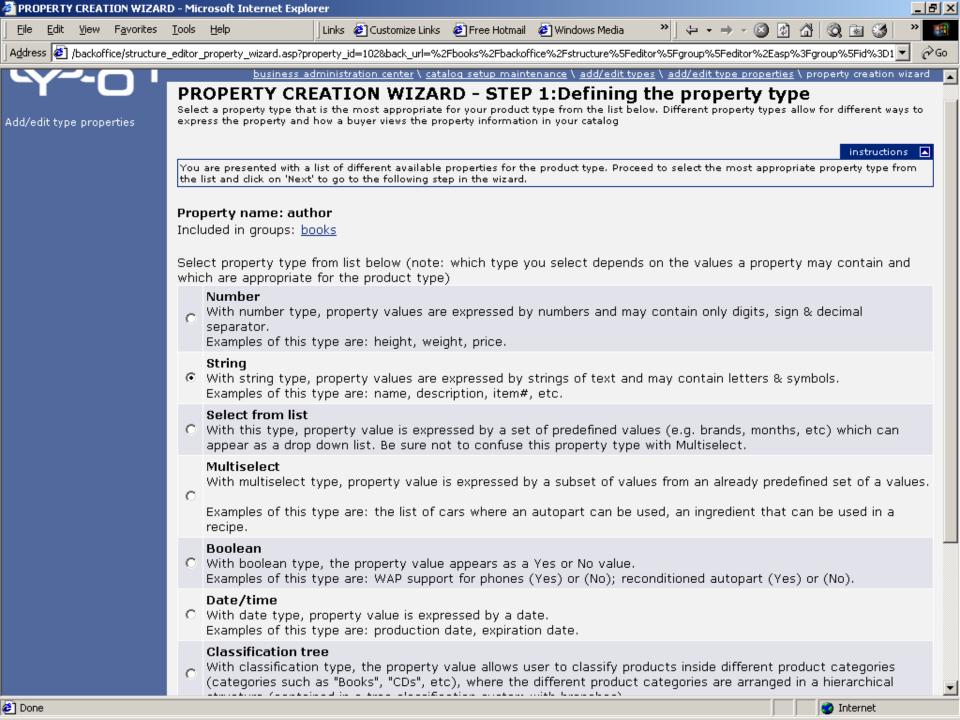


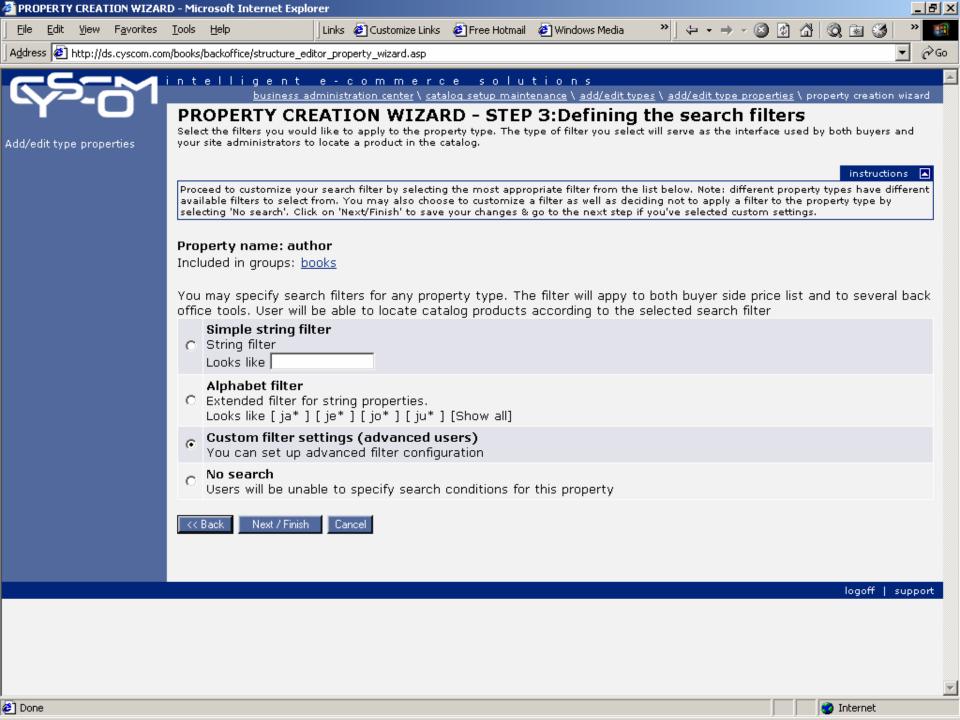
- users (without any development our outsourcing requirements) create their own catalog structures using both online & offline tools
- supports unlimited product types, attributes, properties and cross reference functionality
- catalog content is managed via MS products and Cyscom powerful offline tool

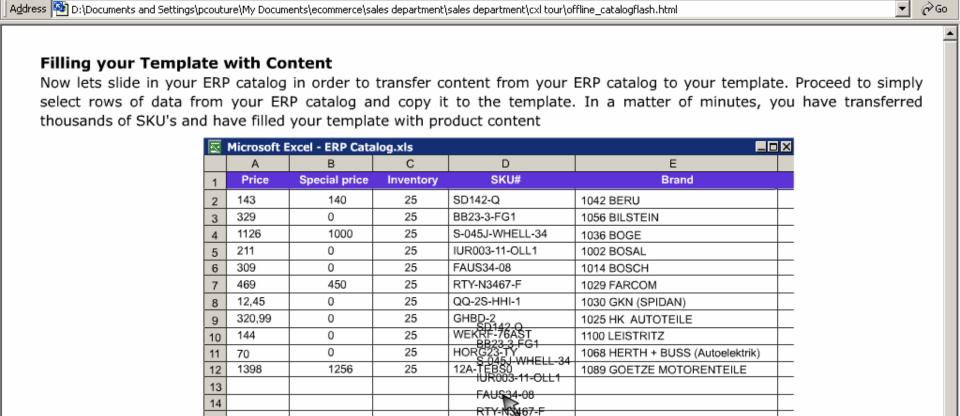
Online tool for creation of data and meta data











Links 🍪 Customize Links 🛭 Free Hotmail 🐉 Windows Media

WEKRF-76AST HORG23-TY

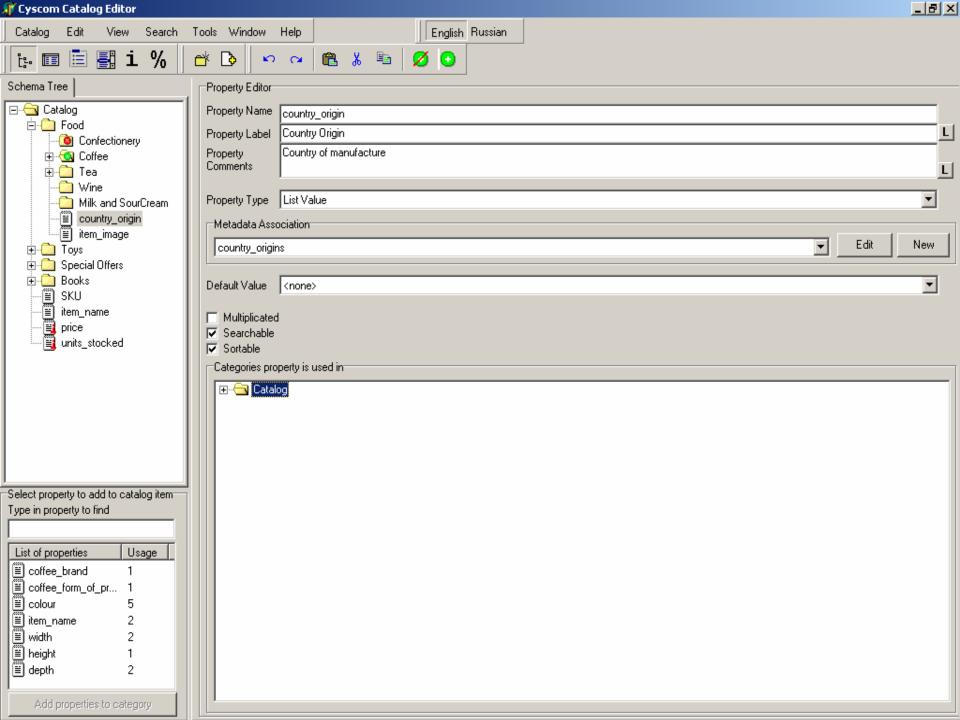
QQ-2S-HHI-1 GHBD-2

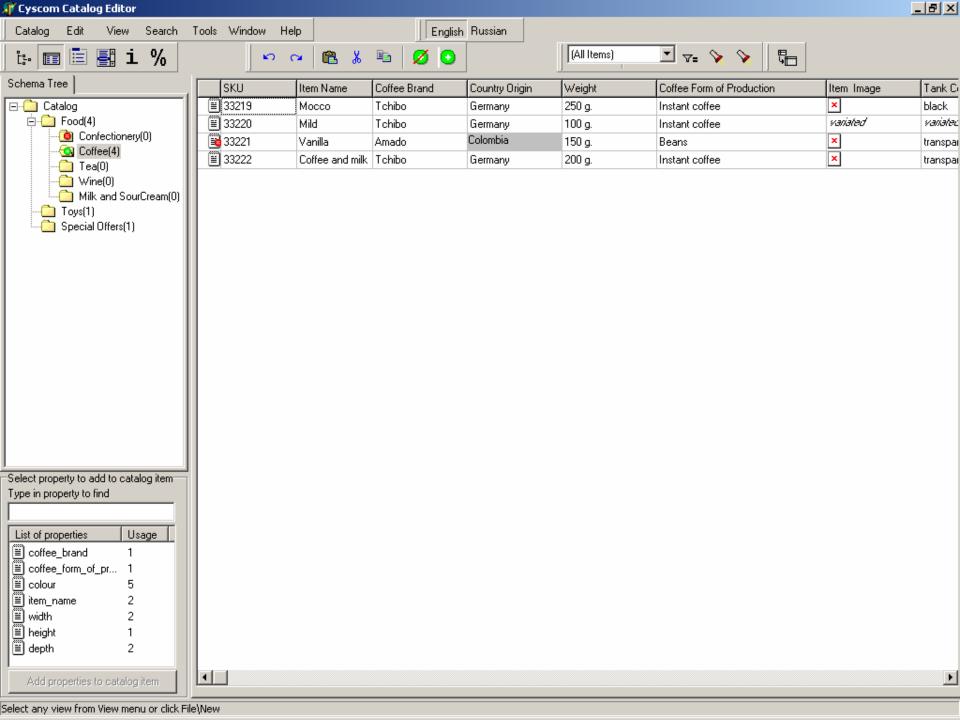
Microsoft Excel - Catalog templateads Price Special price SKUN Brand Compatible vehicles Produc Inventory Category Wheel suspension Alpha Romeo 146(930) 20.12.20 1042 BERU Audi 100 1056 BILSTEIN Engine suspension 18.11.20 BMW 325 21.01.19 1036 BOGE Wheel suspension 1002 BOSAL Alpha Romeo 146(930 08.02.19 Wheel suspension 21.11.19 1014 BOSCH Audi A4 Wheel suspension Suspension/dampin 1029 FARCOM Audi 100 12.10.20 1030 GKN (SPIDAN) Engine suspension BMW Z1 01.01.20 9 1025 HK AUTOTEILE Suspension/damping Alpha Romeo 146(930) 03.12.20 10 1100 LEISTRITZ 29.03.19 Wheel suspension Audi A4

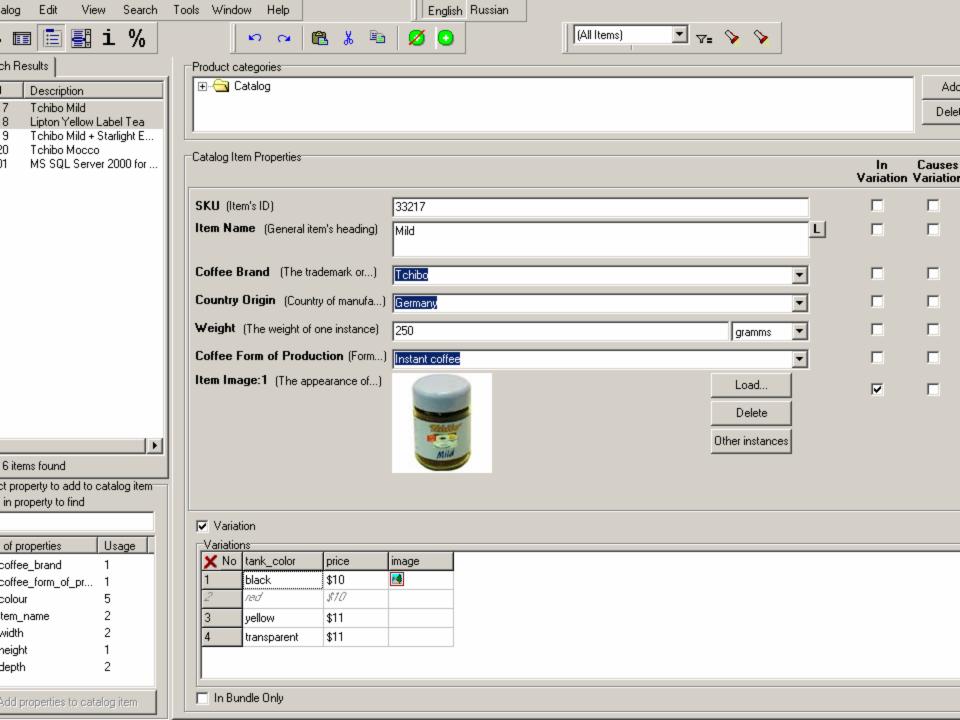
exel111 - Microsoft Internet Explorer

<u>E</u>dit <u>V</u>iew F<u>a</u>vorites <u>T</u>ools <u>H</u>elp

15







Catalog Aggregator

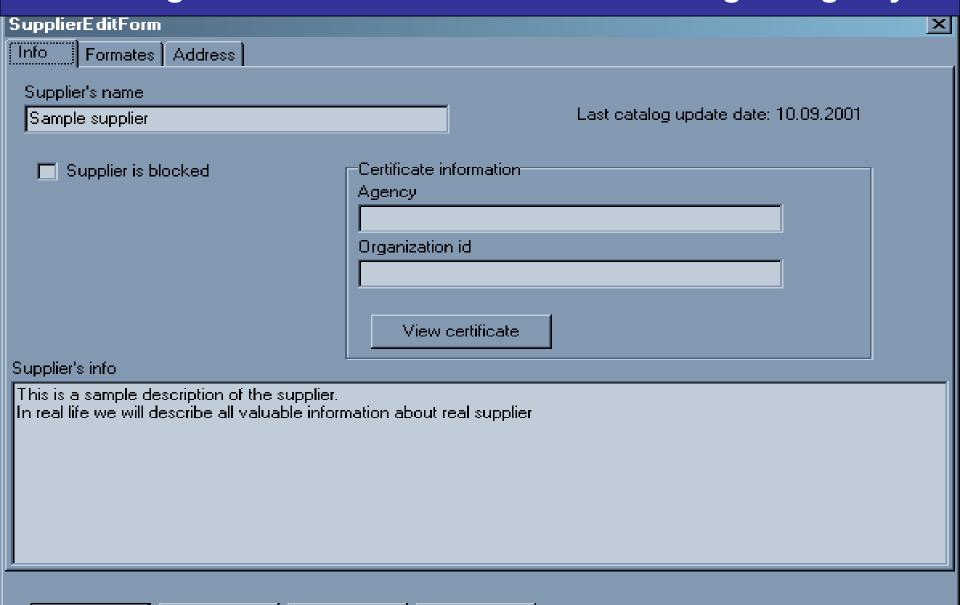


Creating subscriber registry and partner profiles

- mapping of user incompatible user catalogs into 1 master repository catalog for any business application and integration of participants
- tracking of master catalog schema and automatic online schema updates

 synchronization of content to form knowledge base product catalog

Creating database of subscribers and adding to registry



Help

Cancel

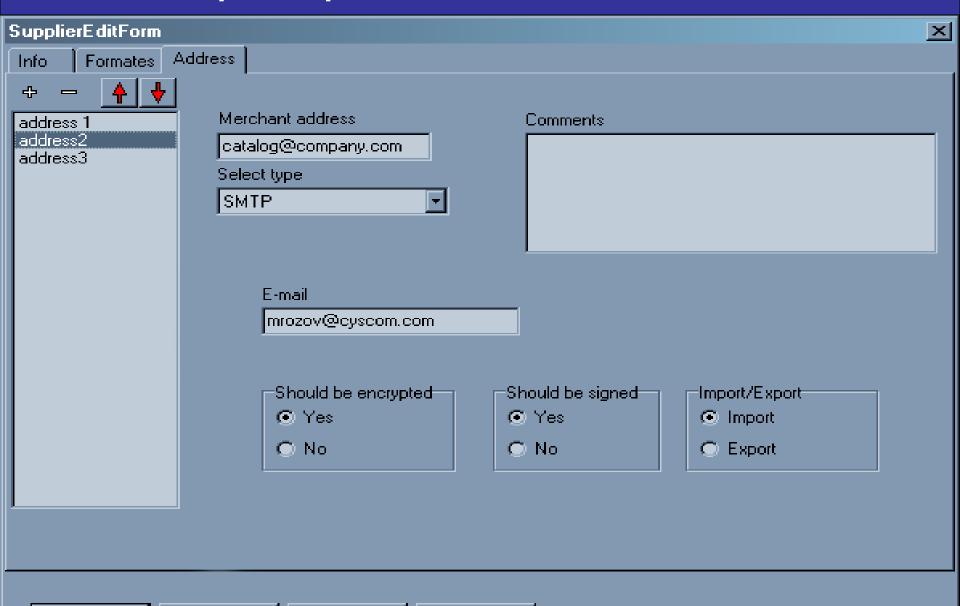
Apply

Setting up transport rules for catalog exchange and mapping

Transport Rules

- Define transport method
 - Ordinal
 - HTTP
 - SMTP (email)
 - FTP (or offline file transfer e.g. via diskette)
 - Advanced
 - BizTalk
 - ebXML
 - Rosetta Net
 - EDI-Fact
 - other
- Setup security options
 - Client certificate exchange -X.509
 - Password exchange

Set up transport rules for transfer via email



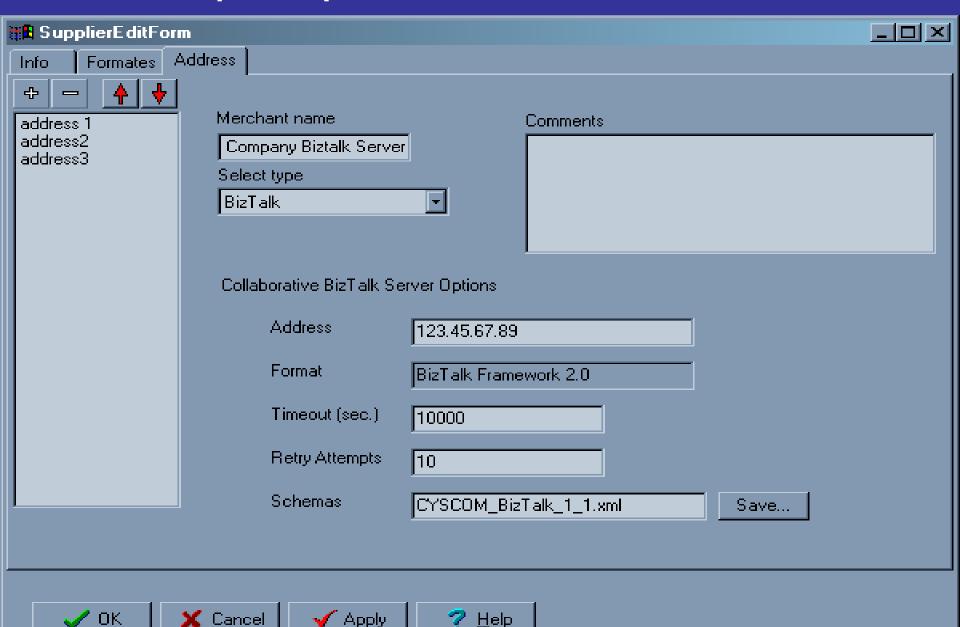
Help

OK.

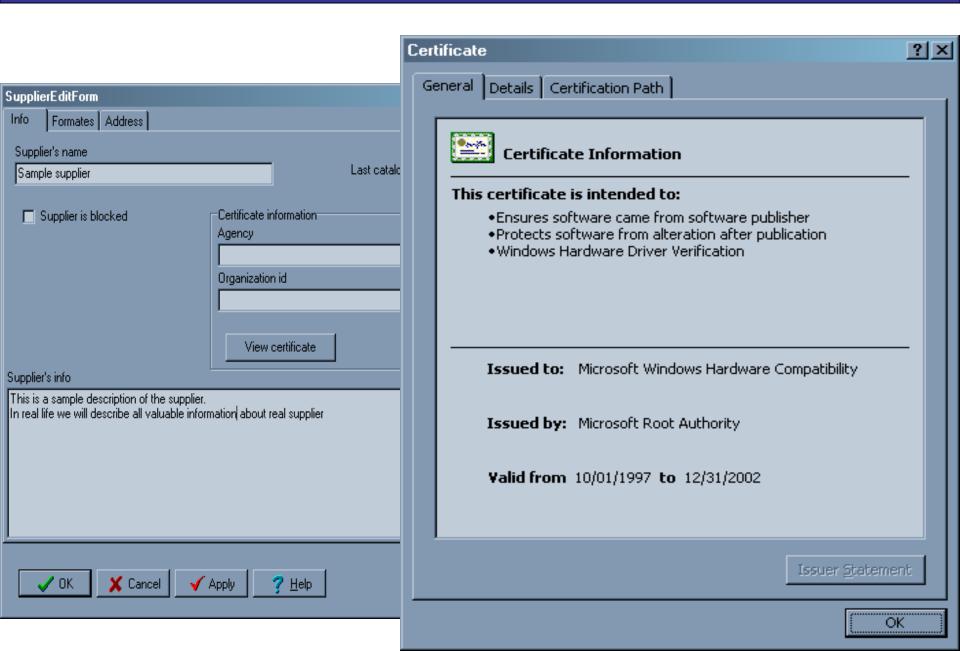
💢 Cancel

🇹 Applyi

Set up transport rules for transfer via BizTalk



Setting up security options-X.509 certificate exchange



Administrating & aggregating subscriber catalogs

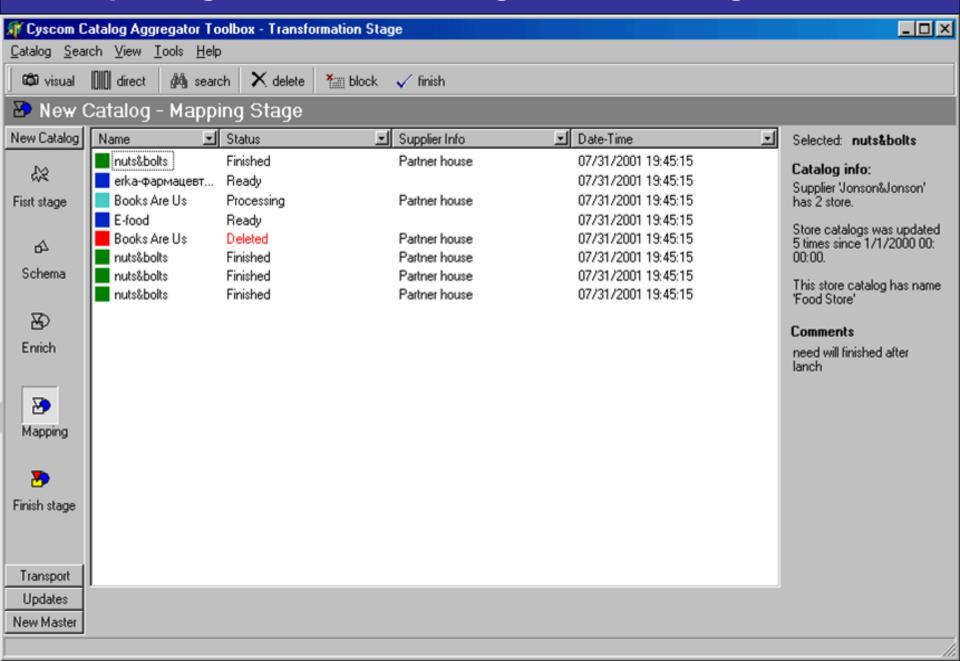
Creating master Repository catalog

- Create catalog structure: product types, properties, classification structure
- Upload subscriber catalogs & create mapping rules
- Transform text catalogs into XML format
- Define semantic mapping rules on meta data and data level
- Substitute or enrich catalogs from catalog repository
- Define mapping rules between incompatible catalogs

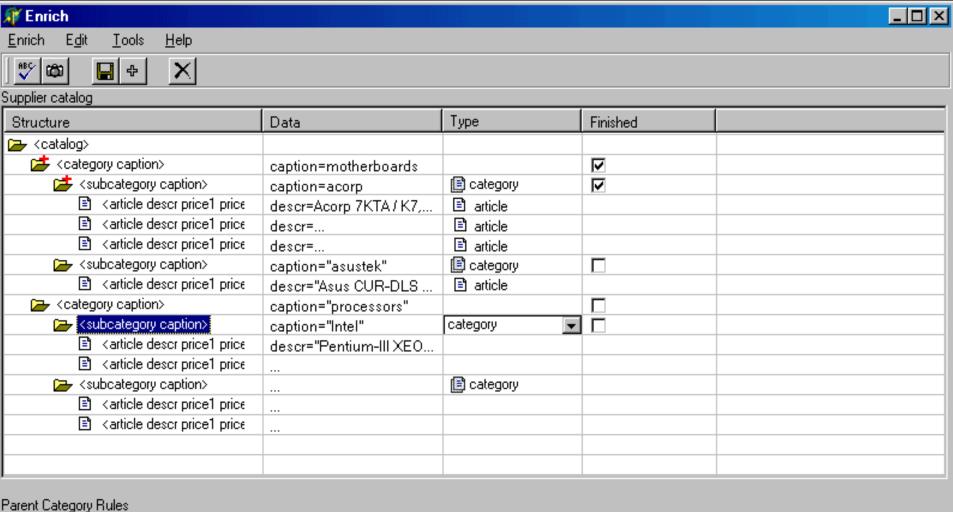
Managing Knowledge base catalog

- Importing and exporting catalogs
- Synchronizing content from multiple catalogs

Importing subscriber catalogs and encoding into XML

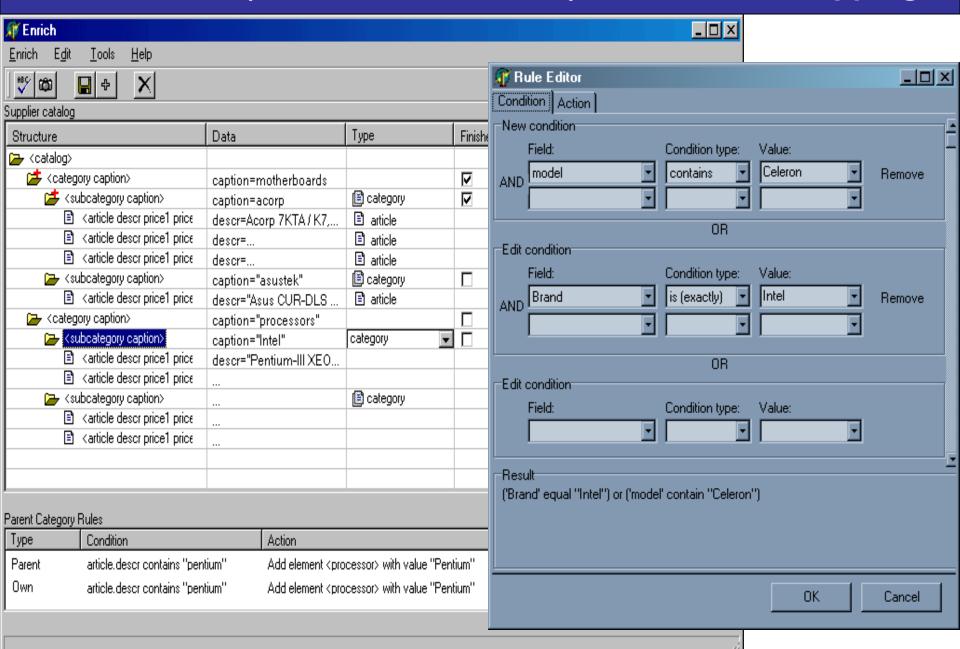


Semantic mapping of subscriber catalog on meta data level

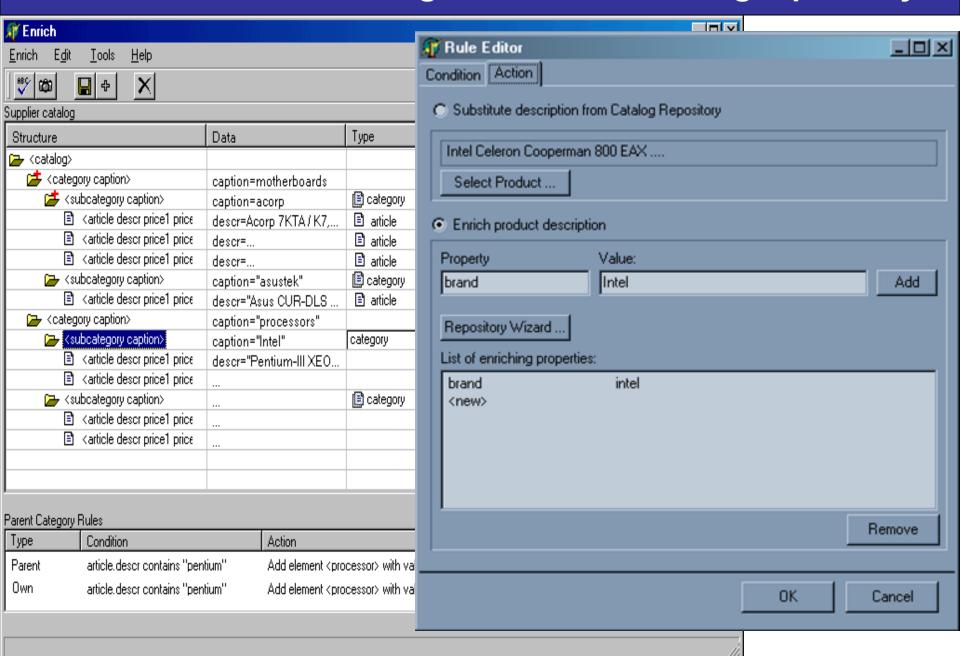


Type Condition Action Parent article.descr contains "pentium" Add element < processor> with value "Pentium" Own article.descr contains "pentium" Add element < processor> with value "Pentium"					
	Туре	Condition	Action		
	I _		•		

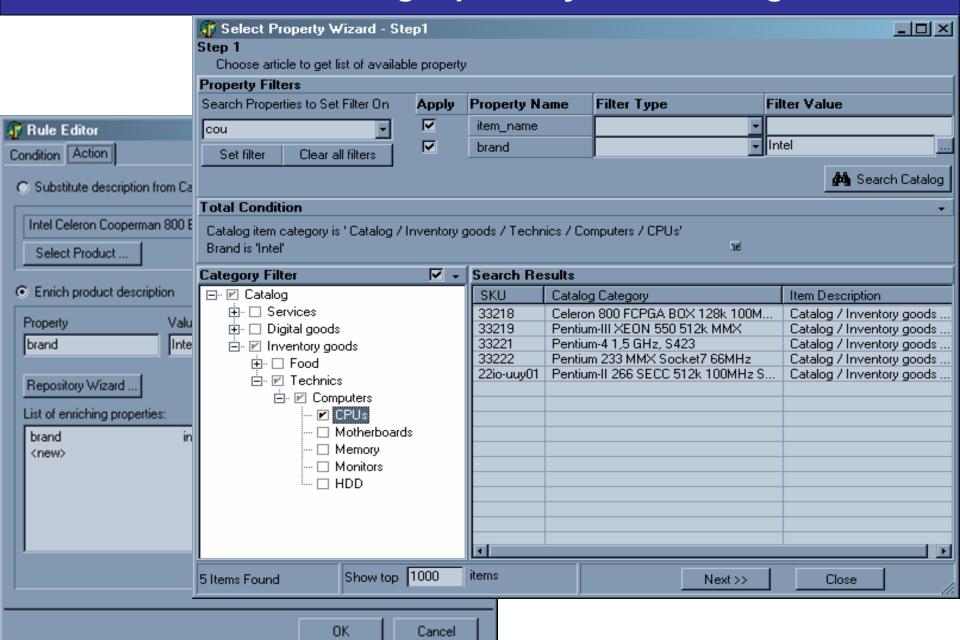
Create rules (conditions & actions) for semantic mapping



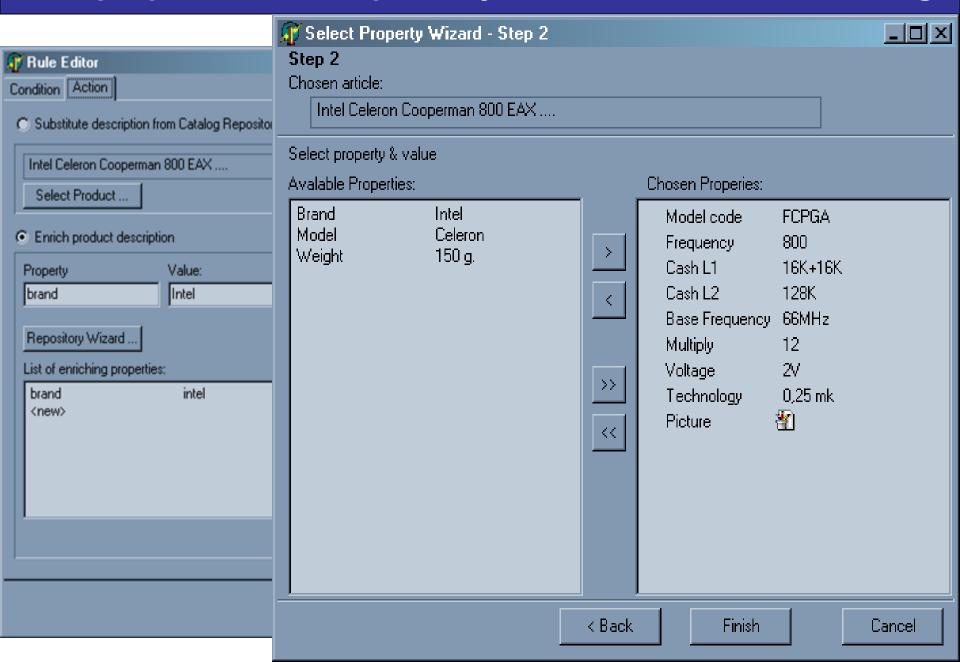
Enrich subscriber catalog from master catalog repository



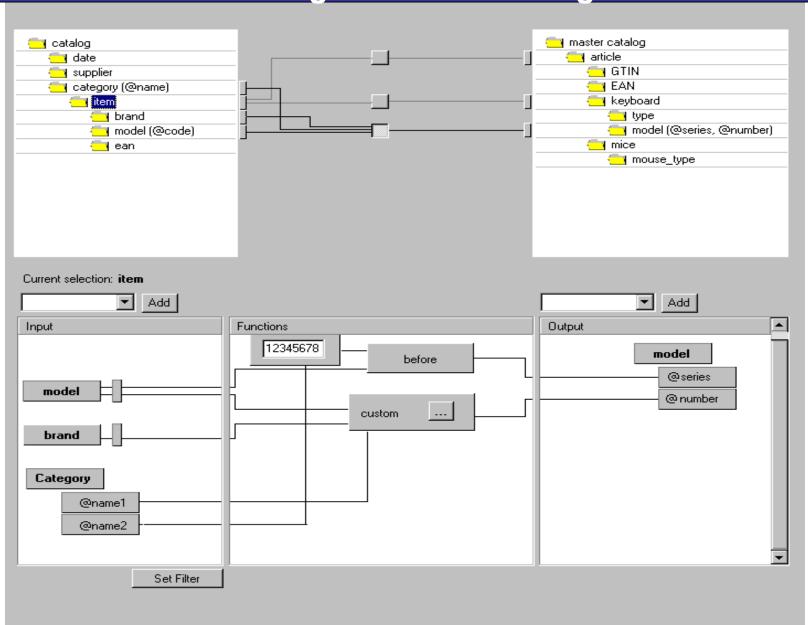
Search master catalog repository for matching article



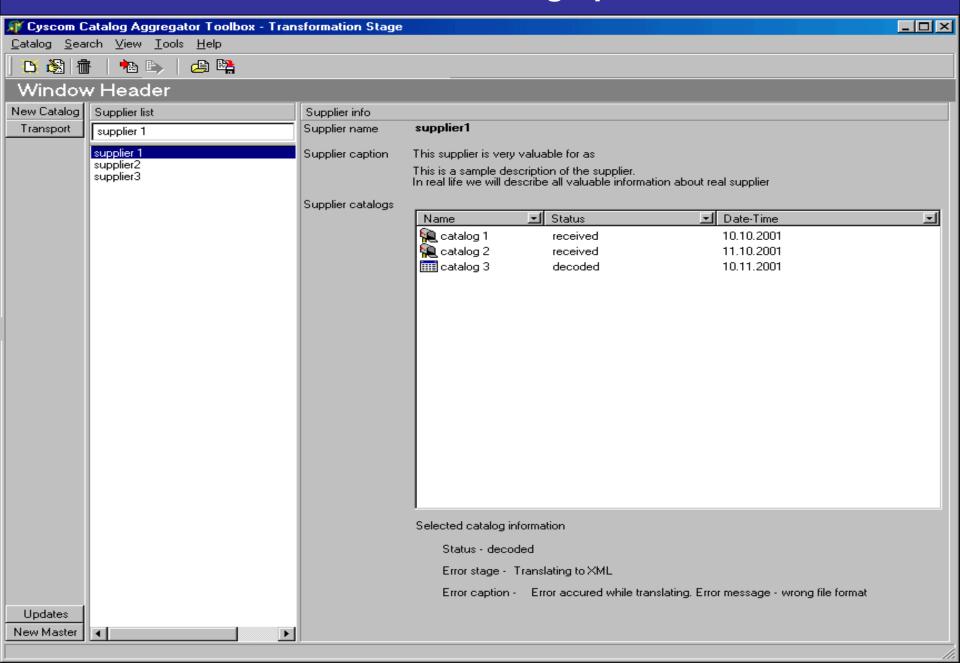
Add properties from repository to enrich subscriber catalog



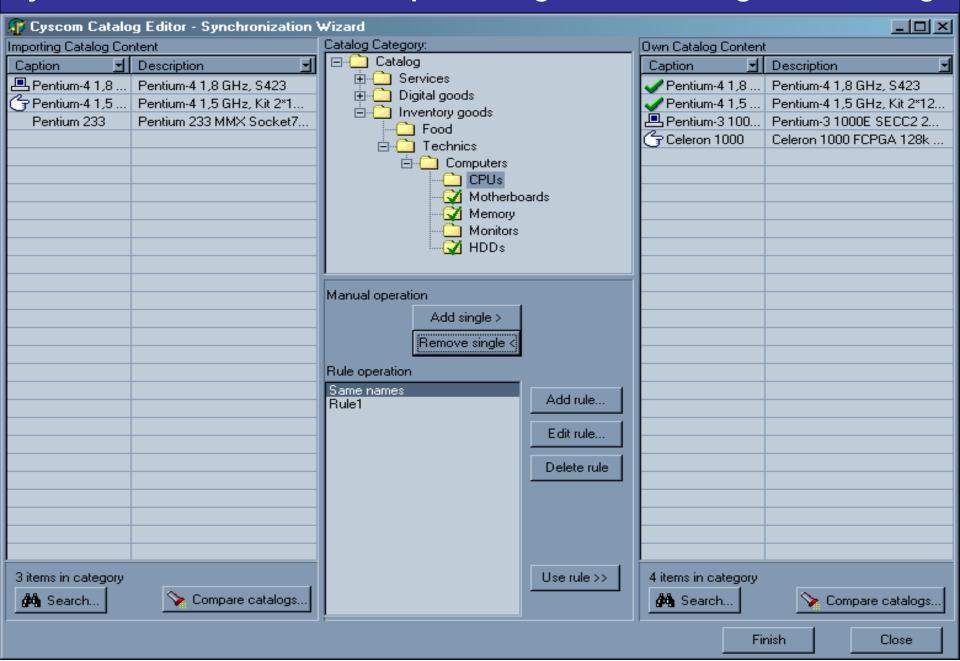
Create mapping rules between incompatible subscriber catalog & master catalog



Track and handle catalog upload errors



Synchronize content from multiple catalogs into knowledge base catalog

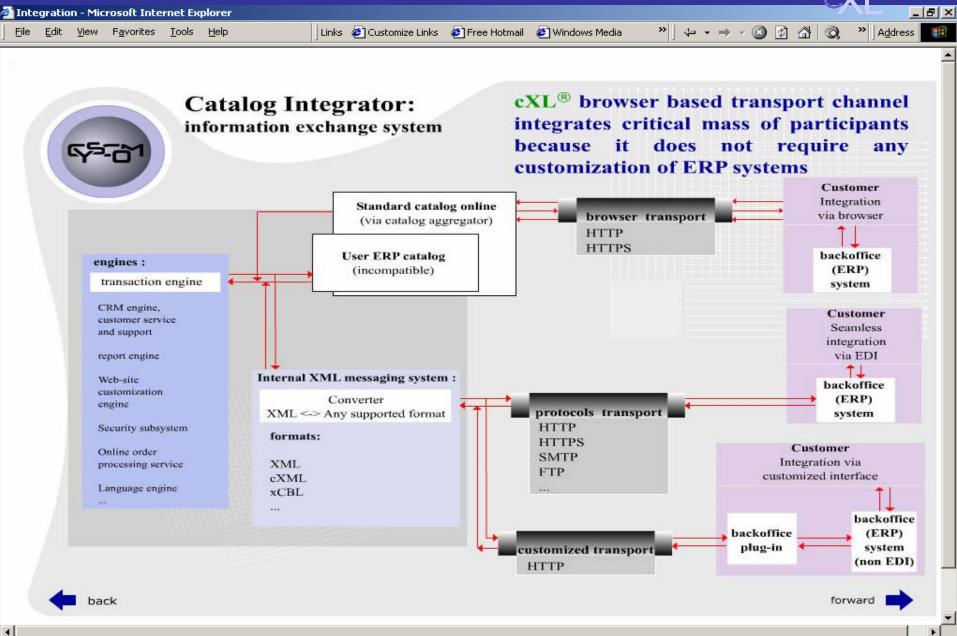


Catalog Integrator

🥰 Done

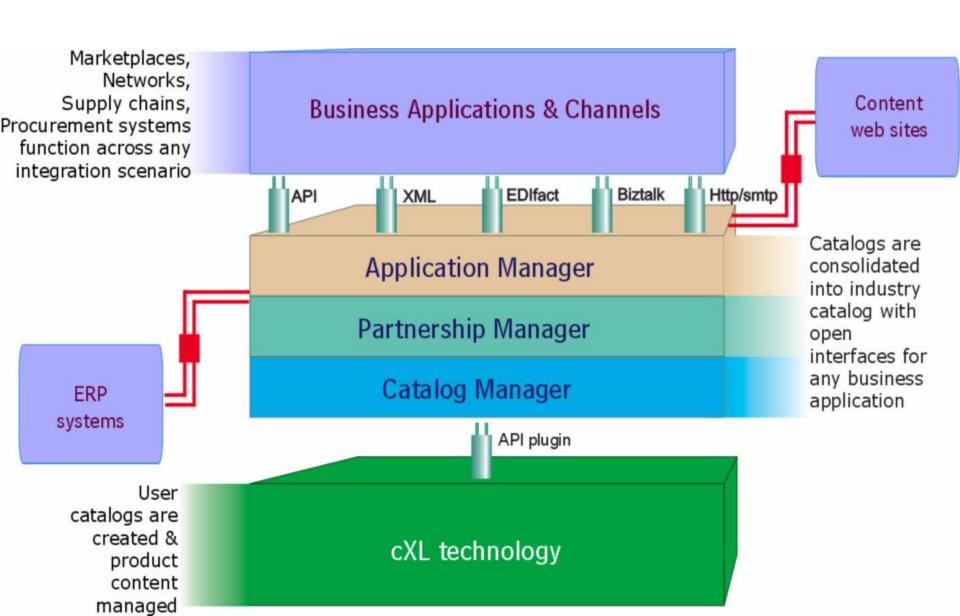


🧰 Internet



cXL under pins work flow layer that is user modeled and business applications





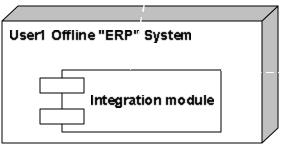
Architecture

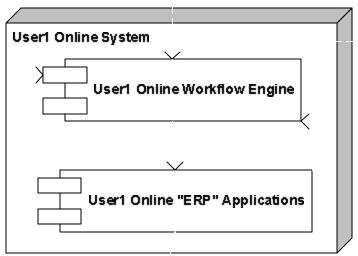
Only required if ERP system doesn't support communication over Internet.



Depending on partner business processes compatibility it sets up

- automatic,
- requires form-based customization,
- requires mediator process with static and dynamic model mapping





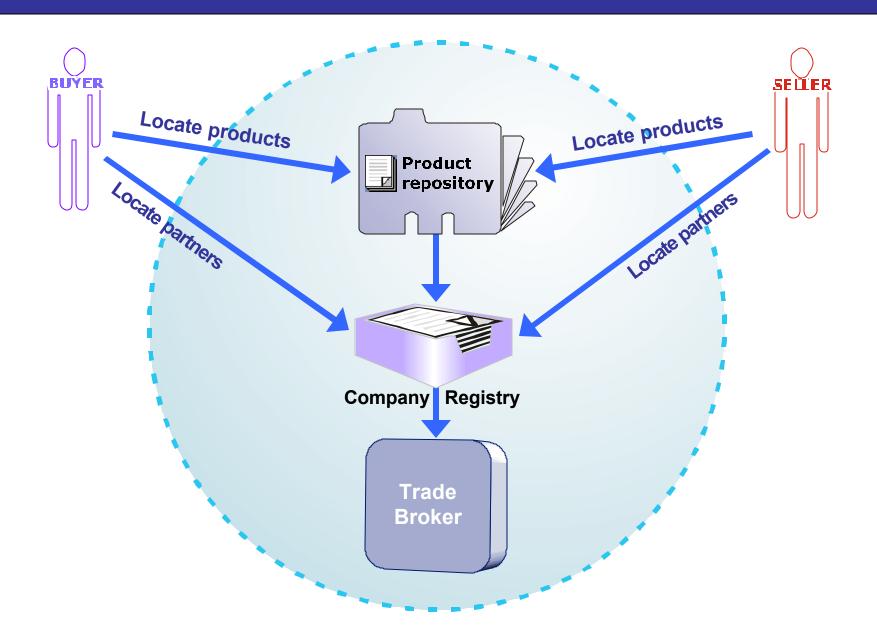


Optional: only for users that prefer to work online.

CBS Work flow and business processes are user created dynamic models

- Models of workflow processes
 - user can create a new workflow process by drawing a UML based workflow diagrams
 - only basic understanding of modeling essentials such as document, state or event is required
- Ability to create a system from design patterns e.g.
 - wait for document
 - send document
 - change document

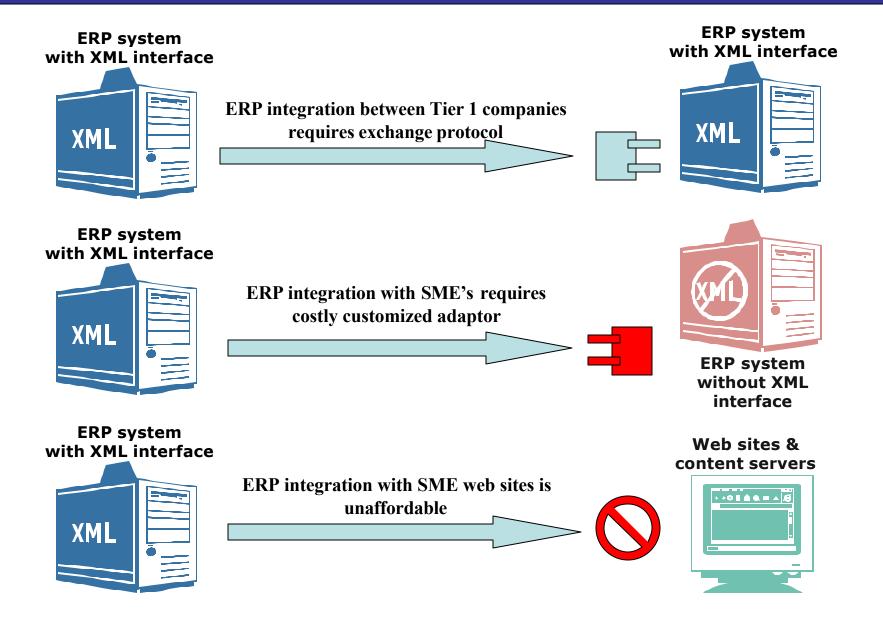
Business applications such as marketplaces require product repository and company registry to provide value



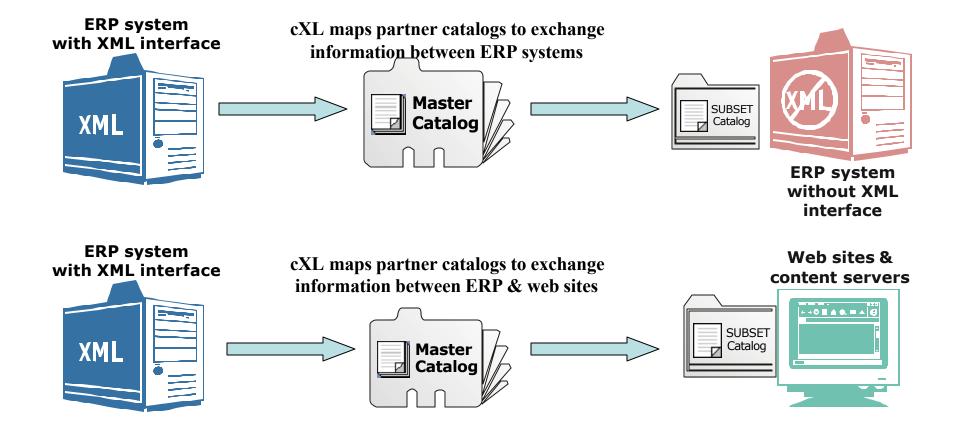
Example of how sub set catalog "Auto parts catalog>BEF currency>stoplight switch>Hella brand>view details>locate best price" parametric search locates optimal purchase conditions



ERP based solutions are not cost efficient and fail to integrate Tier 1 companies with SME's in different business environments



CBS delivers low cost & fast integration of SME's into any business environment no matter the partner's IT capabilities



Web based master catalog exchanges information between incompatible systems

CBS is the first interoperable platform which is fully scalable from SME's to large corporates and integrates subscribers vertically down any procurement & supply chain, marketplace or private network

