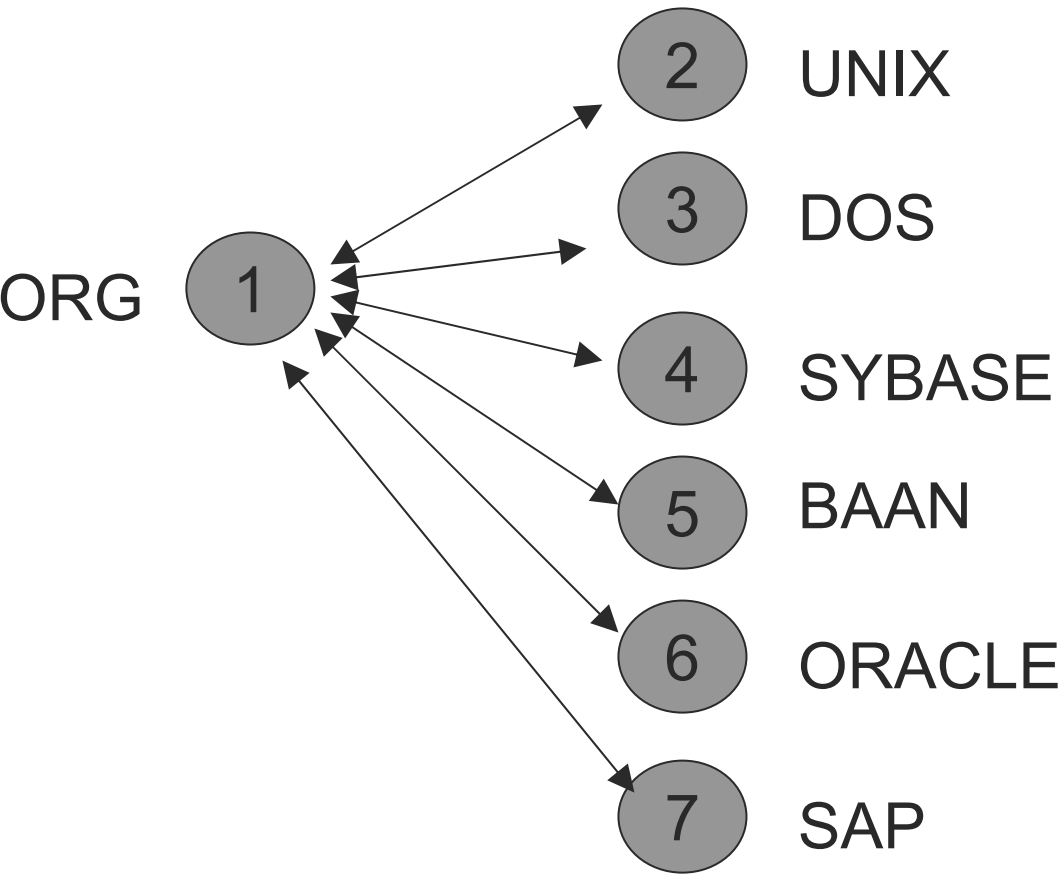


**INTEGRATING SYSTEMS
IN THE B2B
VALUE CHAIN**

Designed for integration

- Bilateral vs Multiple Integration
- Application architecture (system)
- Structured data input
- Metal XML

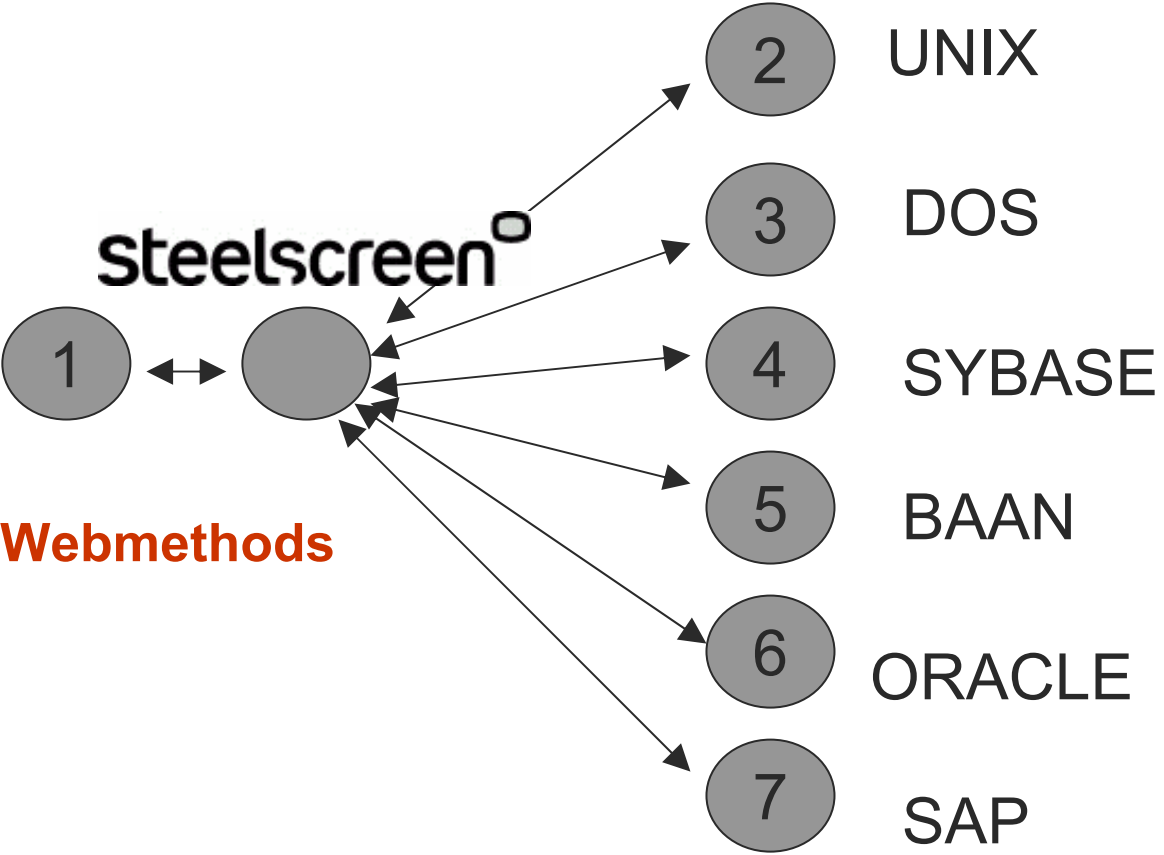
Bilateral integration



Integration with other systems may be

- COMPLEX
- TIME-CONSUMING
- EXPENSIVE

Integration via the Steelscreen electronic marketplace



Advantages of a single integration:

FASTER

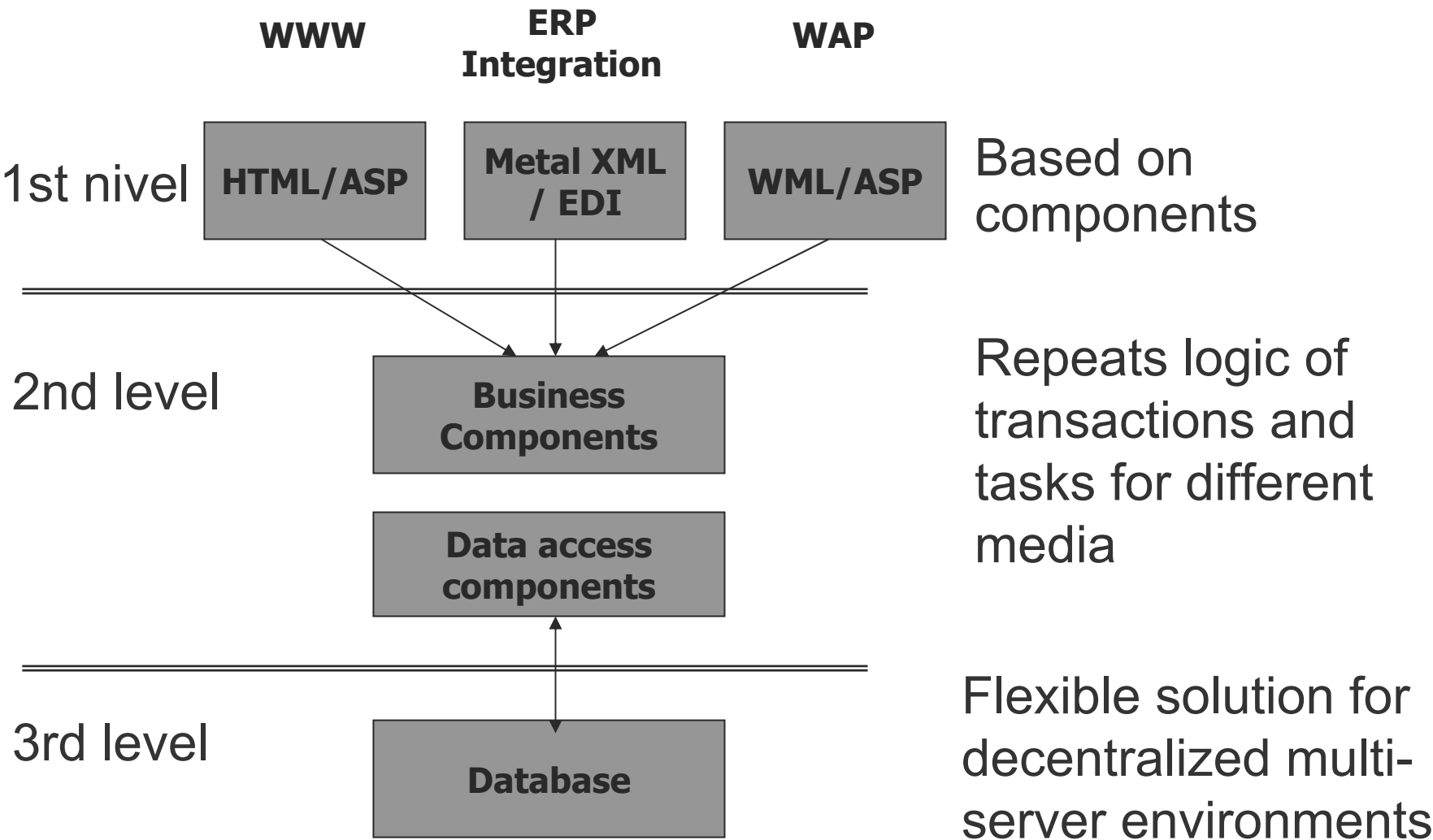
CHEAPER

SIMPLER

Definitions

- **Html** : language designed for viewing graphics and text on screen.
- **WAP** : Wireless Application Protocol. E-business by mobile phone.
- **XML** : eXtended Markup Language. Language of communication for electronic commerce.

Architecture on three levels



Structured data input

Stainless Steel Steel Aluminum New Edit

New product Specification

Product Specification **Options**

Help
 Edit
 Copy to New
 Delete

Name:

Material Type:

Product:

Standard:

Grade:

Finish:

Tolerance:

Certificate:

Coating:

Edge Type:

Decoration / Pattern:

Width: From: To:

Thickness: From: To:

Bundle Weight: Min: Max: kg

Condition:

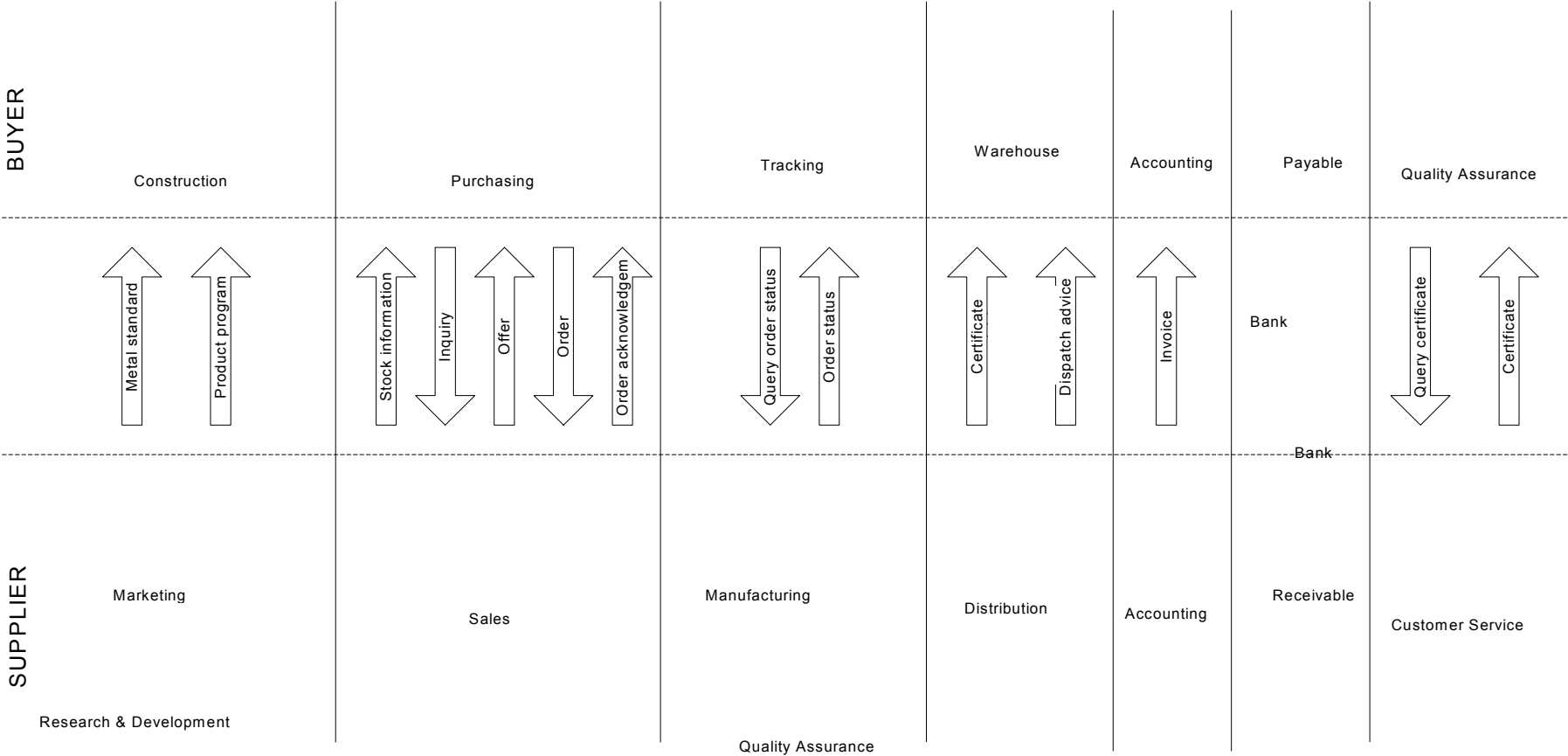
Data input based on options defined by industry experts:
2 700+ international standards
18 000+ metal specifications

Differences between HTML & XML

- **XML allows the user to select data that reflect what he wants to find or send.**
- **This makes it possible for the server on the customer side to access data sources in any format and in any web site.**
- **HTML only indicates what the selected data should be like, it does not explain what they are (in language).**
- **XML information exists as both data and documents, and can be processed as either.**

www.metal-xml.org

Metal XML and the buy/sell transaction



XML documents developed

Stock info

Inquiry

Offer

Order

Order acknowledgement

Code Set – “Dictionary”

6. Sample XML Document

```
<?xml version = "1.0"?>
<!DOCTYPE OrderStatus SYSTEM "dtd\OrderStatus.dtd">
<OrderStatus>
  <Order>
    <OrderNo>93272</OrderNo>
    <OrderRevision></OrderRevision>
    <Supplier>
      <Contact>
        <FirstName>Mikael</FirstName>
        <LastName>Bilock</LastName>
        <email>mikael.bilock@telia.com</email>
        <PhoneNo>+46 19 23 99 10</PhoneNo>
        <CountryCode>SE</CountryCode>
      </Contact>
      <Company>
        <CompanyName>Steelseller Ltd</CompanyName>
        <CountryCode>SE</CountryCode>
        <PhoneNo>+46 19 23 99 10</PhoneNo>
        <VATno>SE-5565235812</VATno>
        <CustomerNo CodeSet = "buyer">23222</CustomerNo>
      </Company>
    </Supplier>
    <Buyer>
      <Contact>
        <FirstName>Hans</FirstName>
        <LastName>Bilock</LastName>
        <email>mikael.bilock@sbltd.co.tt.uk</email>
        <CountryCode>SE</CountryCode>
      </Contact>
      <Company>
        <CompanyName>Steelbuyer Ltd</CompanyName>
        <CountryCode>UK</CountryCode>
        <PhoneNo>+44 2323 23 99 10</PhoneNo>
      </Company>
    </Buyer>
  </Order>
</OrderStatus>
```