

WELCOME

Standardized Usage Statistics Harvesting
Initiative (SUSHI) Webinar

May 24, 2006, 11-12:00 EDT

*SUSHI:
The Technology Unveiled*

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SUSHI: The technology unveiled

Ted Fons, Innovative Interfaces, Inc.

Oliver Pesch, EBSCO Information Services

NISO Webinar

May 24, 2006



Overview

- ❑ A very quick review of SUSHI and why it has come to be (Ted)
- ❑ Web services – the chosen architecture (Oliver)
- ❑ The report request message (Oliver)
- ❑ The report response message (Oliver)
- ❑ The COUNTER payload (Oliver)
- ❑ The roles of client and server (e.g. knowing when and where to request usage, storing customer identifiers, etc.) (Ted)
- ❑ Adding the security layer (Ted)
- ❑ Putting it all together (Ted)
- ❑ Questions and Answers

SUSHI: A brief history

- COUNTER statistics provides excellent model and rules for usage statistics counting
- Libraries needed:
 - ***A more efficient data exchange model***
 - Current model is file-by-file spreadsheet download
 - Background query and response model is more efficient and scalable

SUSHI: A brief history

- The SUSHI Steering Committee
 - Nov. 2004 - Meetings between Cornell & Innovative
 - July 2005 – Cross-Industry Committee forms:
 - Libraries
 - Subscription Agents
 - Content Providers
 - Integrated Library System vendors

SUSHI: A brief history

- The SUSHI Steering Committee
 - July. 2005 – Industry Committee forms:
 - Cornell University – Adam Chandler
 - Ex Libris – Ted Koppel
 - EBSCO Information Systems – Oliver Pesch
 - Harvard University
 - → California Digital Library – Ivy Anderson
 - Innovative Interfaces – Ted Fons
 - Swets Information Services – Bill Hoffmann
 - Thompson Scientific – Patricia Brennan
 - University of Washington – Tim Jewell

SUSHI: A brief history



□ What to call it?

■ “Proto”

□ Too dull

■ OUSHI (Online Usage Statistics Harvesting Initiative)

□ Means “delicious” in Japanese

And the winner was:

■ SUSHI (Standardized Usage Statistics Harvesting Initiative)

□ Credit to Oliver P.

SUSHI: A brief history

□ Technical Work

- Fall 2005 – Technical Discussions
 - First tests – Innovative and EBSCO & Swets
- Early 2006 – Live Harvests
 - University of Nebraska – Lincoln & EBSCO
 - Washington State Univ. & Project Euclid
- Spring 2006 – Migration to NISO as coordinating body – Steering Committee continues work
- Late 2006 – Draft Standard for Trial Use

SUSHI: What it is and Isn't

- What it is:
 - A web-services model for requesting data
 - Replaces the user's need to download files from vendor's website
 - A request for data where the response includes COUNTER data
 - Using COUNTER's
- What it isn't:
 - A model for counting usage statistics



SUSHI: The technology unveiled

Web Services Architecture



Web Services: the chosen approach for SUSHI

- ❑ Web services combine the best aspects of component-based development and the Web.
- ❑ Commercially accepted
- ❑ Widely supported (W3C)
- ❑ Secure

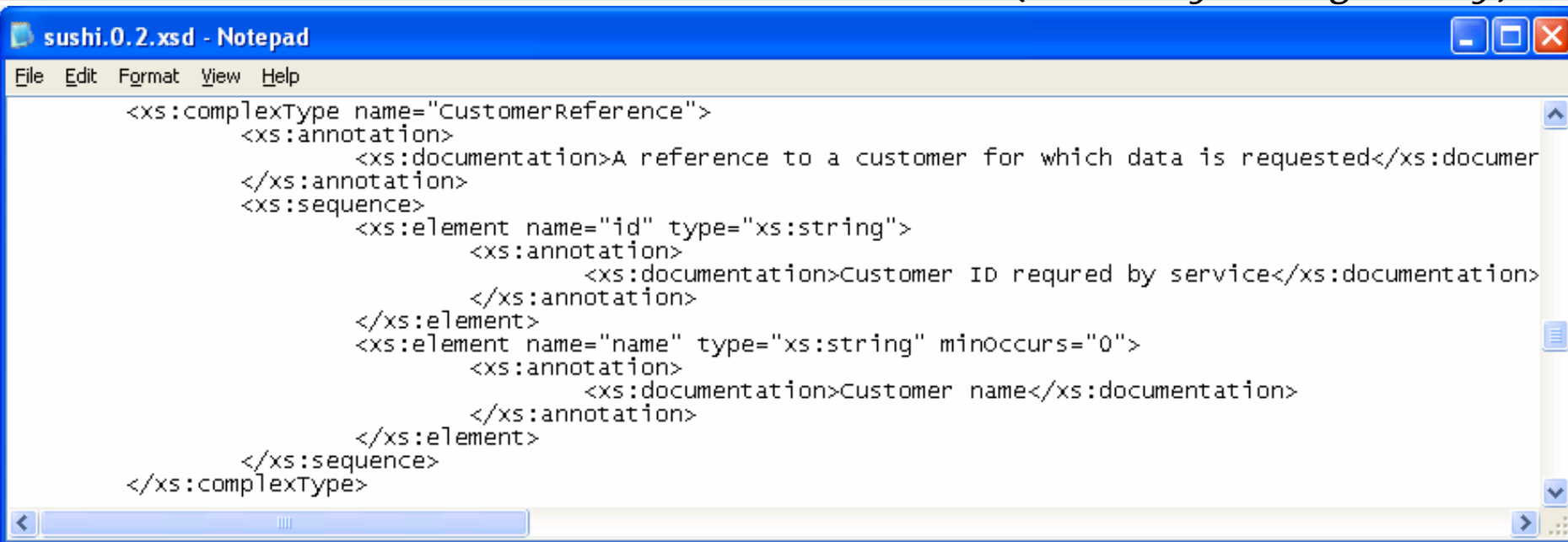
... but first some definitions

Definitions

XML Schema (XSD)

A language for describing the structure and constraining the contents of XML documents.

(reactivity.com glossary)



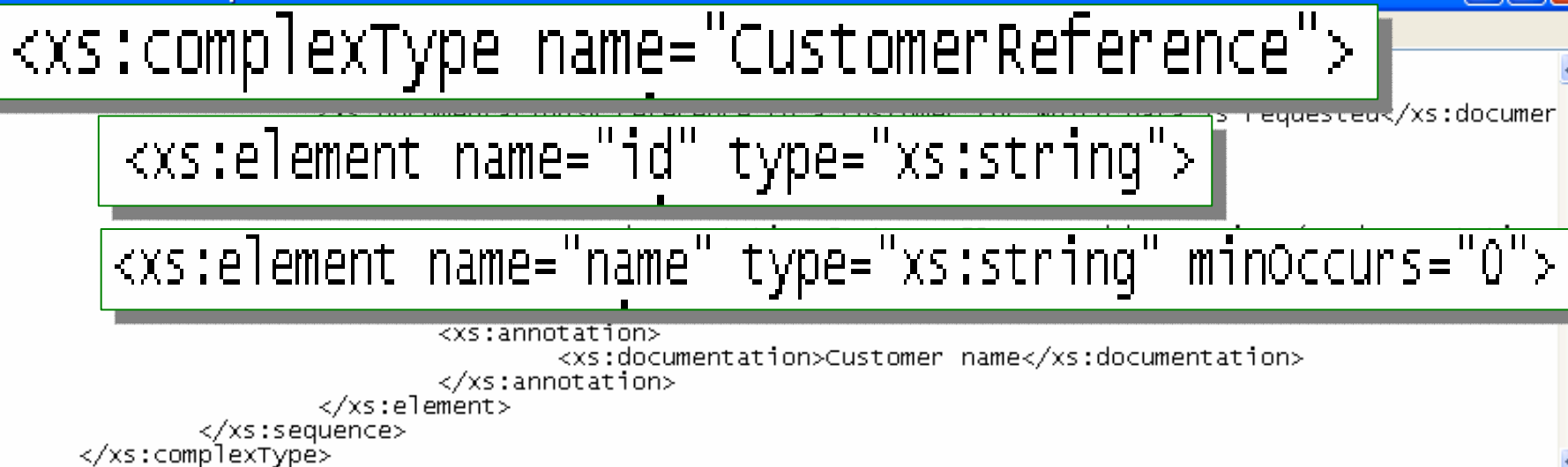
```
sushi.0.2.xsd - Notepad
File Edit Format View Help
<xs:complexType name="CustomerReference">
  <xs:annotation>
    <xs:documentation>A reference to a customer for which data is requested</xs:documer
  </xs:annotation>
  <xs:sequence>
    <xs:element name="id" type="xs:string">
      <xs:annotation>
        <xs:documentation>Customer ID required by service</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="name" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Customer name</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

Definitions

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```
sushi.0.2.xsd - Notepad
<xs:complexType name="CustomerReference">
  <xs:element name="id" type="xs:string">
  <xs:element name="name" type="xs:string" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Customer name</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:sequence>
</xs:complexType>
```

Definitions

Web Services

Open, standard (XML, SOAP, etc.) based Web applications that interact with other web applications for the purpose of exchanging data.

(lucent.com)

Definitions

Simple Object Access Protocol (SOAP)

SOAP is a lightweight XML based protocol used for invoking web services and exchanging structured data and type information on the Web.

(oracle.com)

Definitions

Web Services Description Language

(WSDL) is an XML format published for describing Web services.

(wikipedia.org)

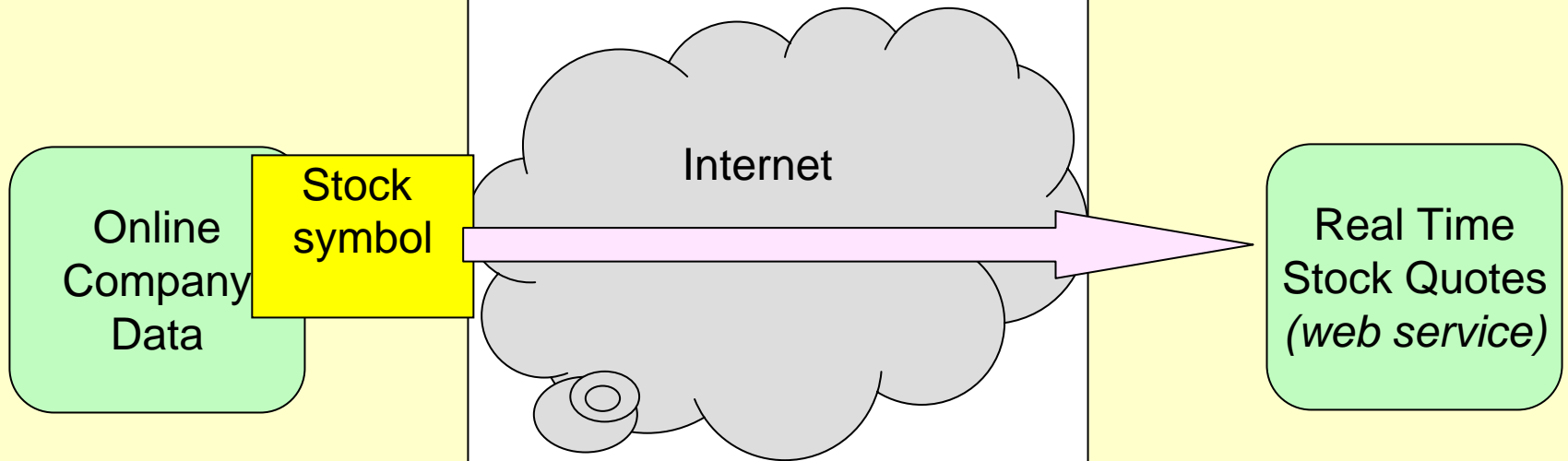
Web Services: An example

- ❑ System A provides online information about companies.
- ❑ System B provides real-time stock quotations.
- ❑ Using Web Services, System A can integrate real-time stock quotes into their company data.

System A sends the stock symbol to System B.

System A

System B



Online
Company
Data

Stock
symbol

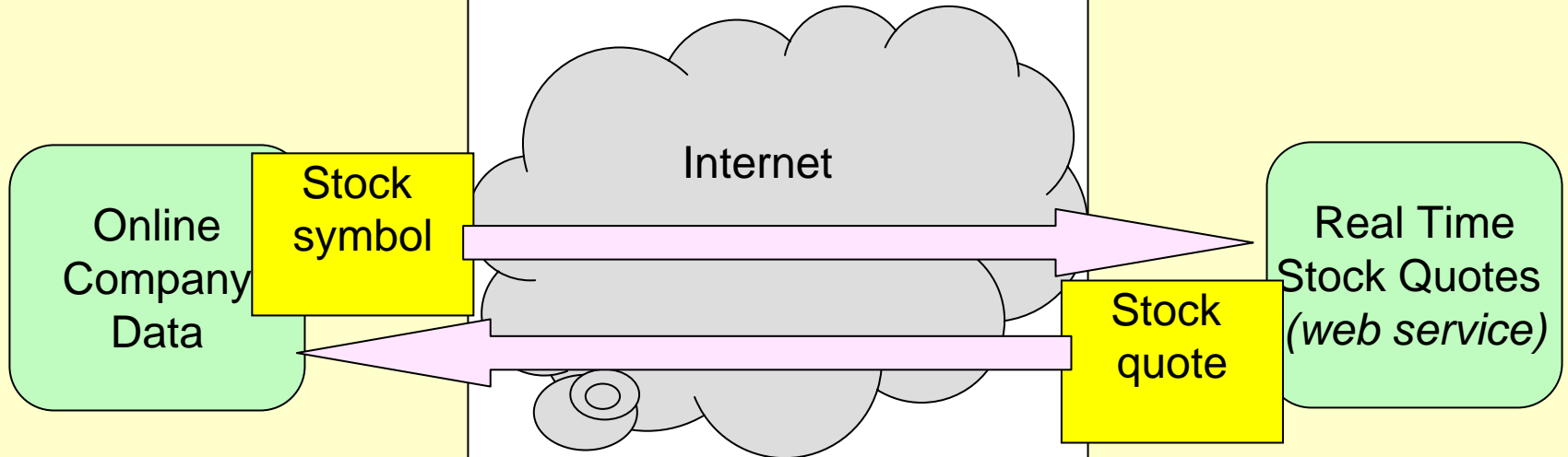
Internet

Real Time
Stock Quotes
(web service)

System B returns the quote. All of this happens in milliseconds.

System A

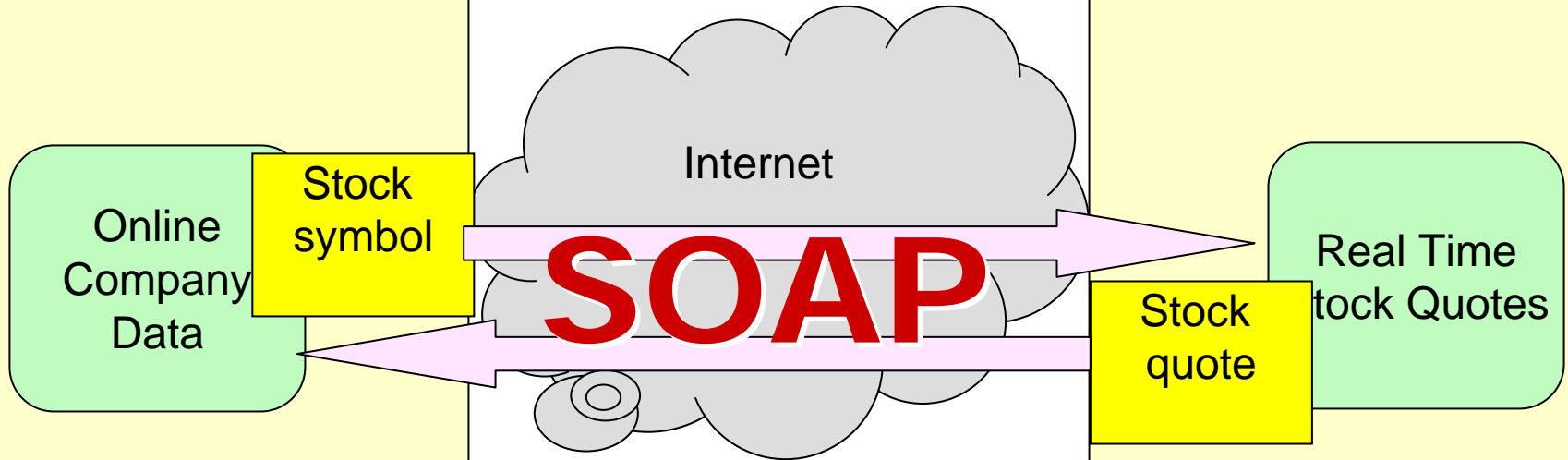
System B



“Messages” are formatted in XML, and the protocol used to communicate is SOAP (Simple Object Access Protocol).

System A

System B



XML messages for SUSHI

- Report Request
 - Requester
 - Customer Reference
 - Report Definition
- Report Response
 - Requester
 - Customer
 - Report Definition
 - COUNTER report as payload

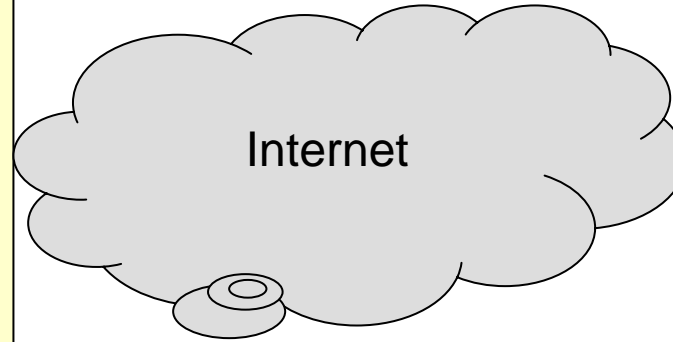
SUSHI Architecture

- The next series of slides graphically show a SUSHI transaction
 - Library system requests a usage report
 - SUSHI client makes the request
 - SUSHI server processes request
 - SUSHI server prepares COUNTER report
 - SUSHI server “packages” and returns response
 - SUSHI client processes COUNTER report

The Library and Content Provider's systems are both connected to the internet.

Library

Content Provider



The SUSHI client is software that runs on the library's server, usually associated with an ERM system.

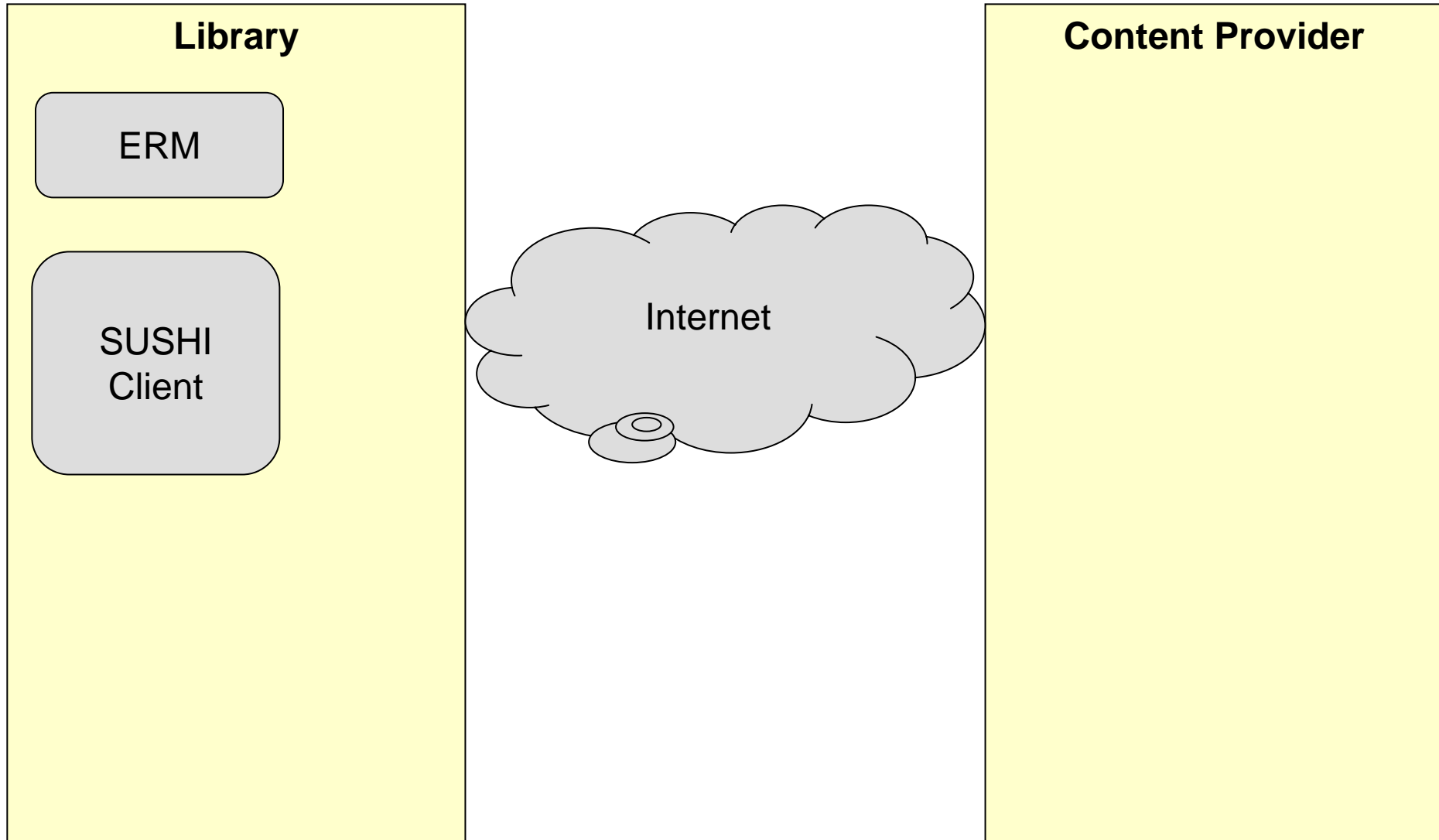
Library

ERM

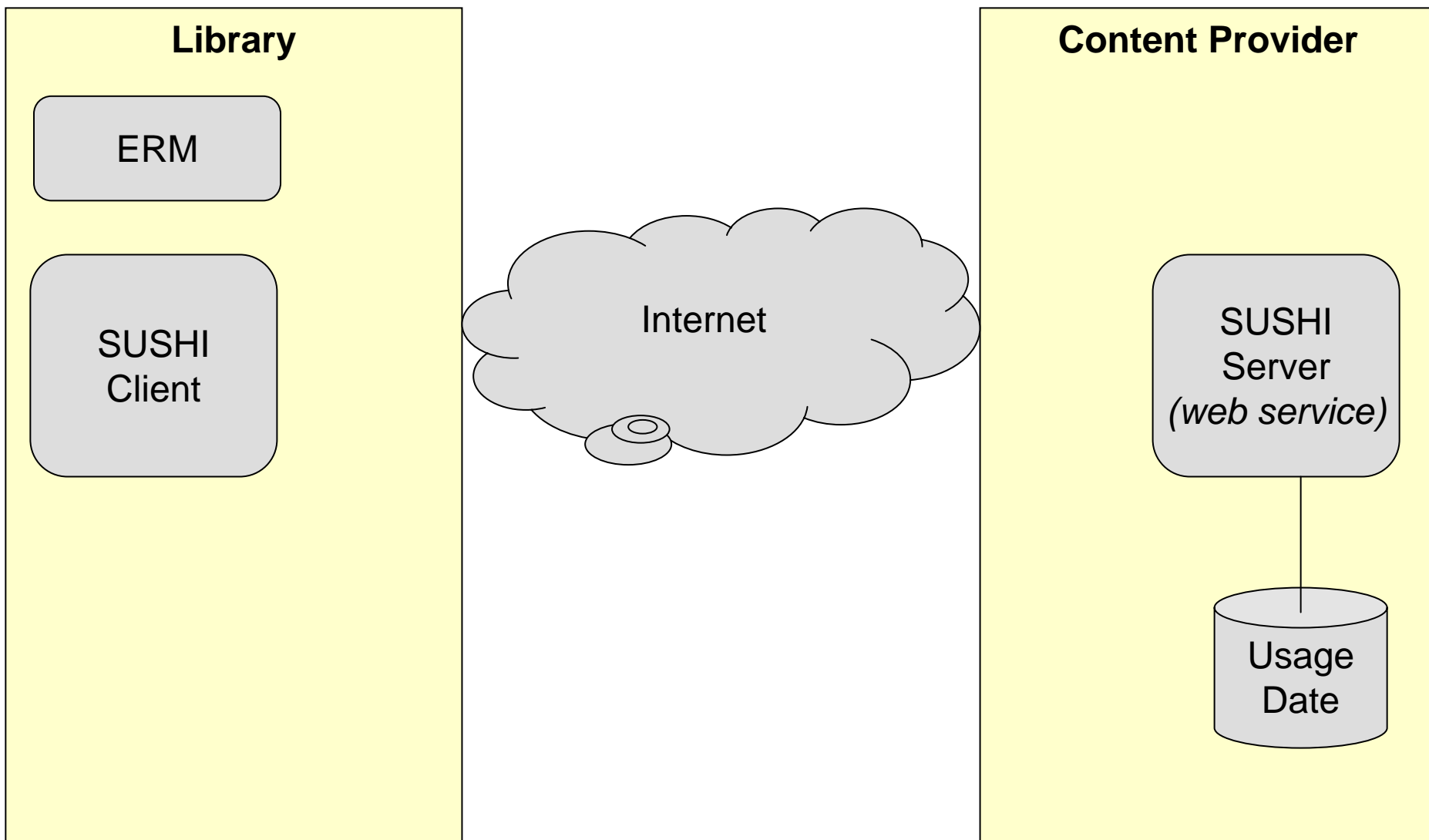
SUSHI
Client

Internet

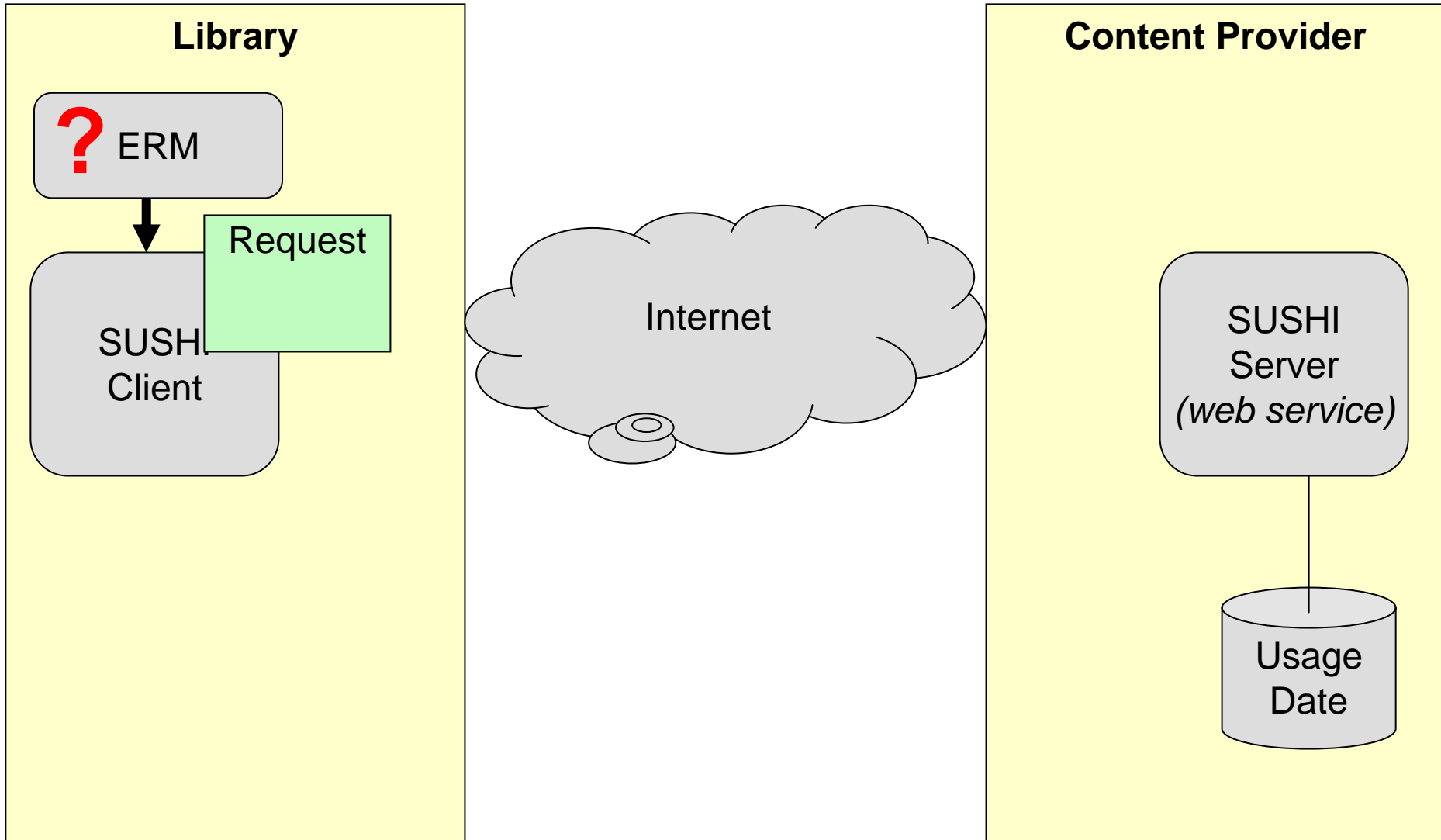
Content Provider



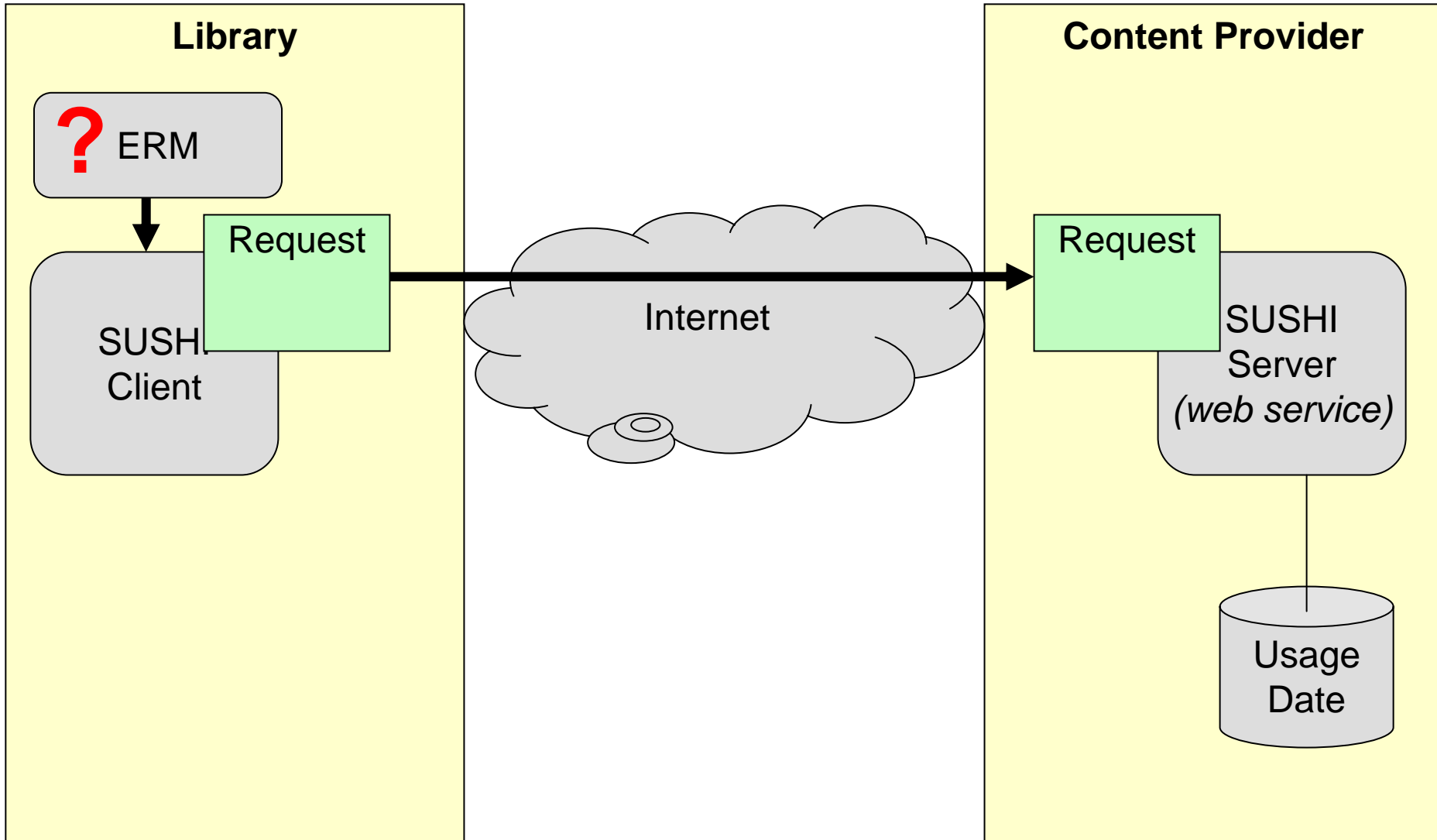
The SUSHI server is software that runs on the Content Provider's server, and has access to the usage data.



When the ERM system wants a COUNTER report, it sends a request to the SUSHI client, which prepares the request.



The SUSHI request is sent to the Content Provider. The request specifies the report and the library the report is for.



The SUSHI server reads the request then processes the usage data.

Library

? ERM



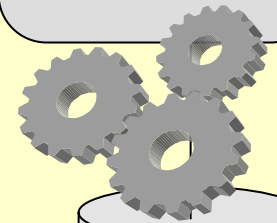
SUSHI Client

Internet

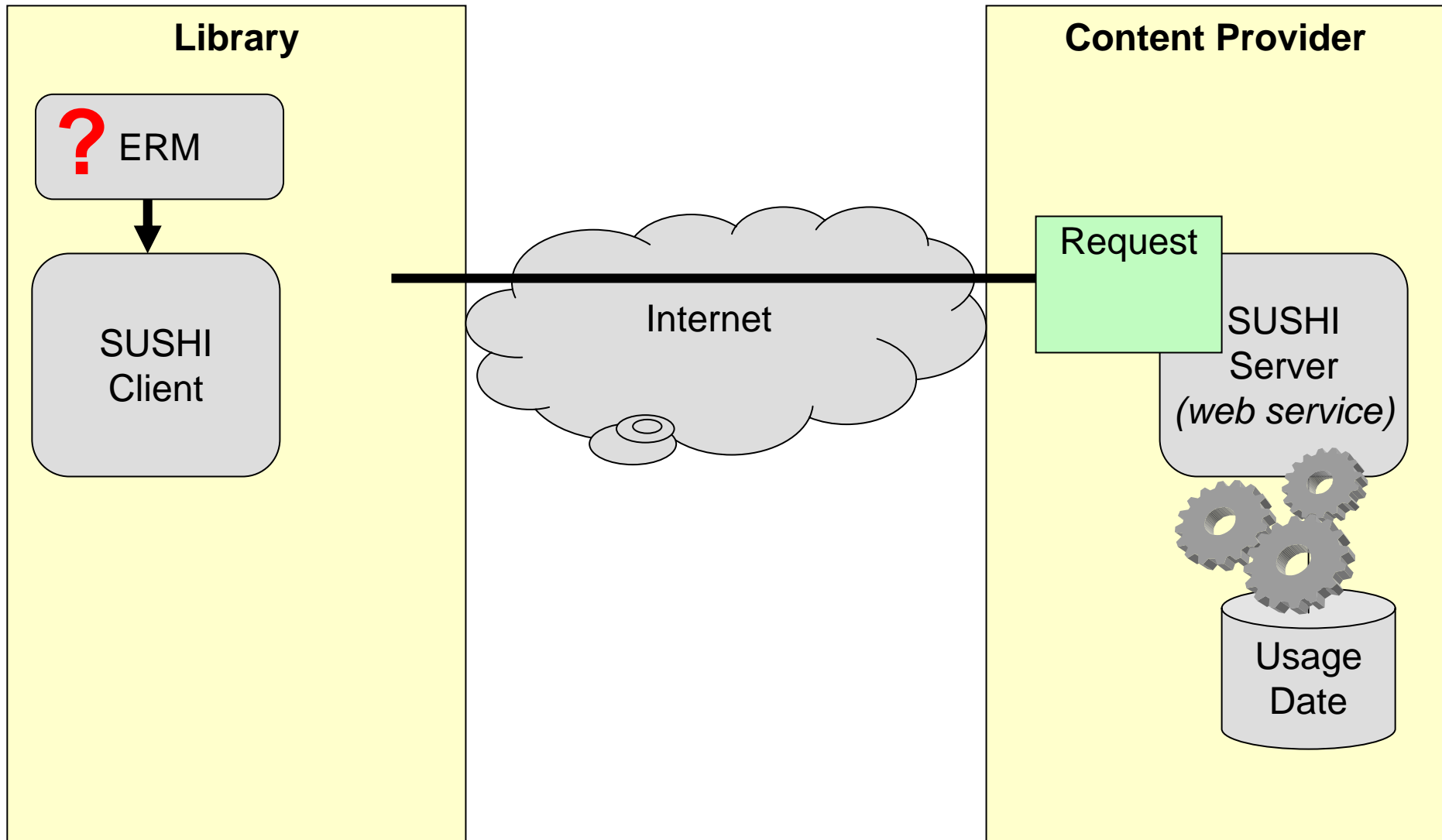
Content Provider

Request

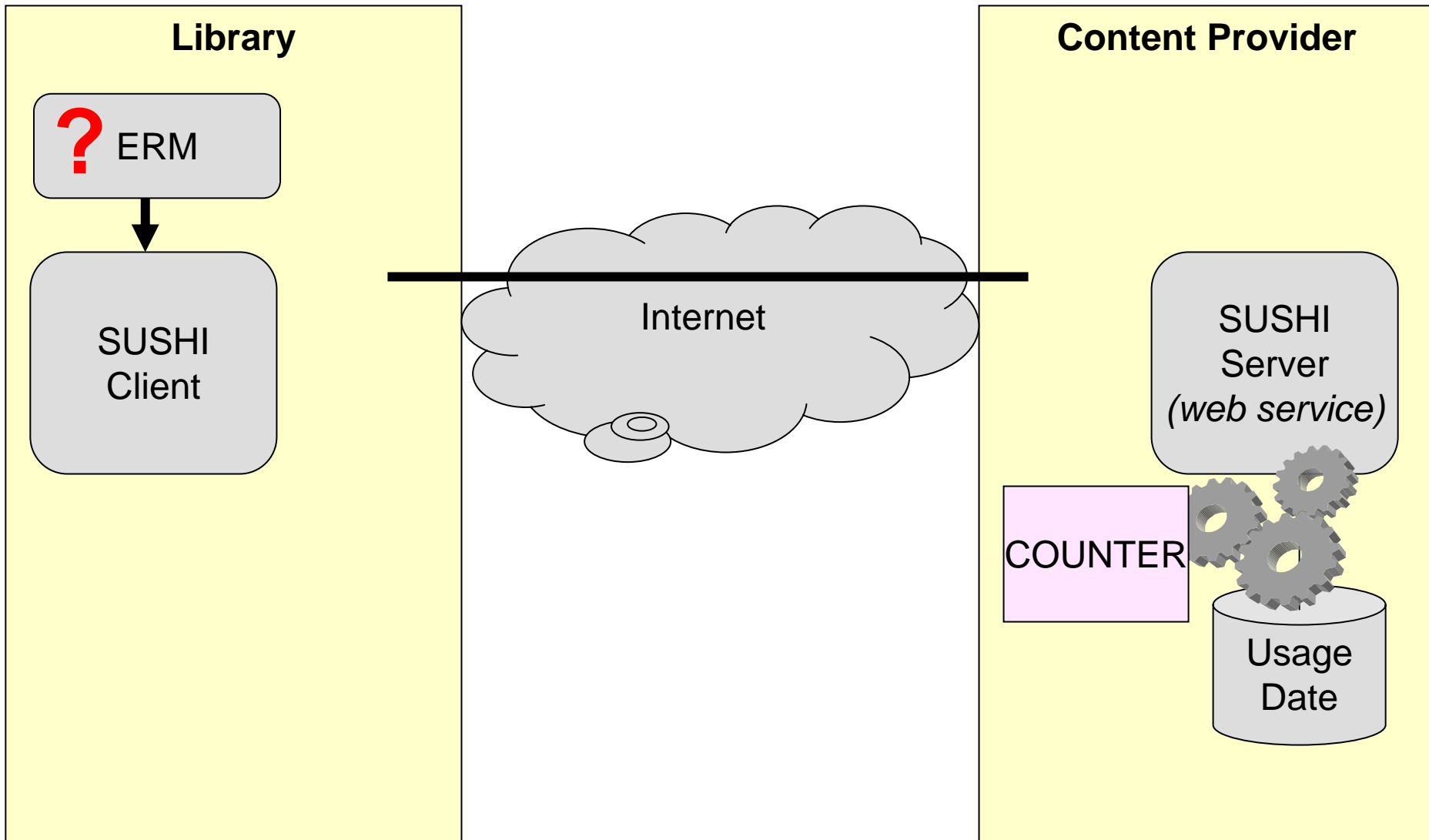
SUSHI Server
(web service)



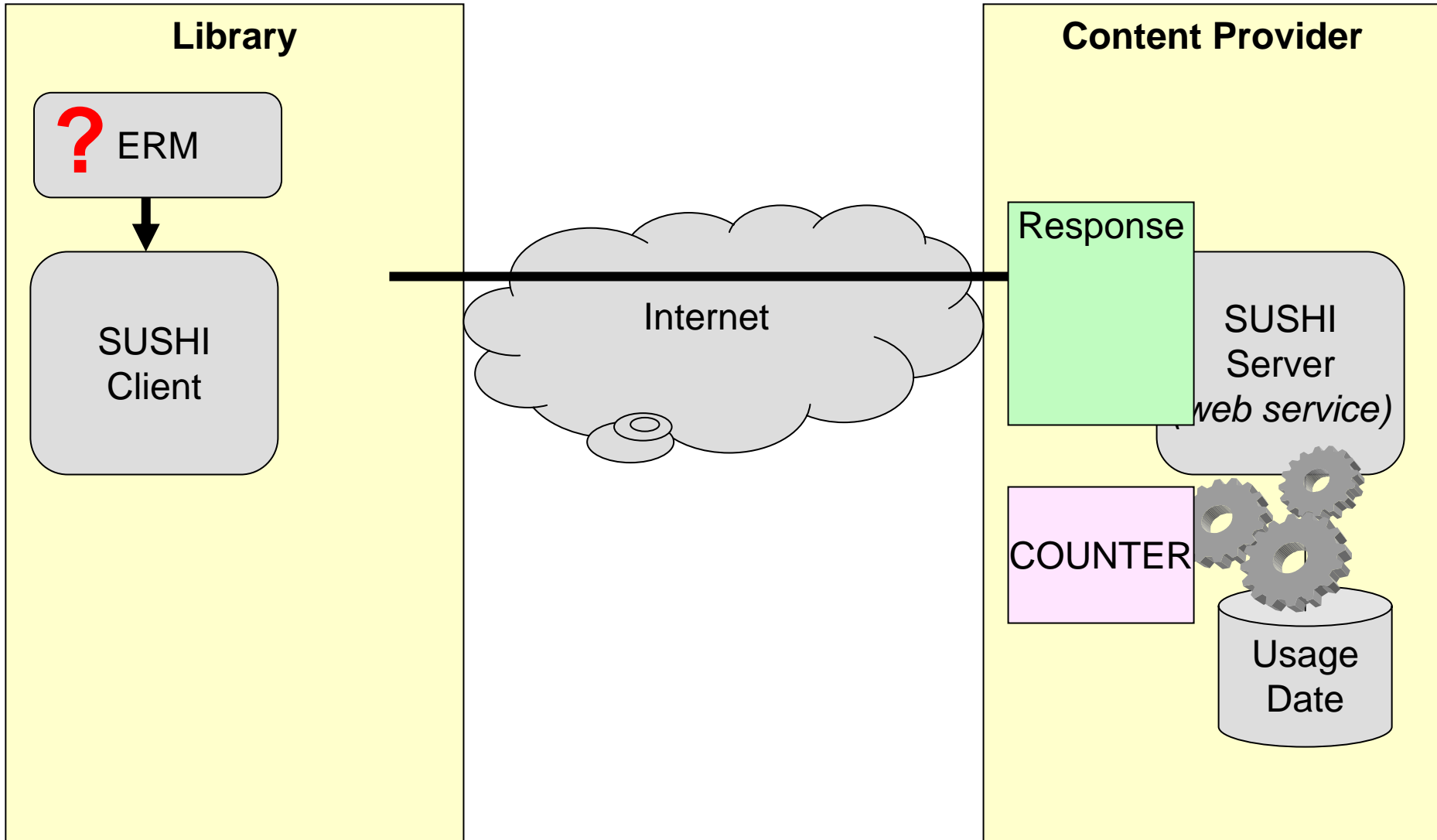
Usage Date



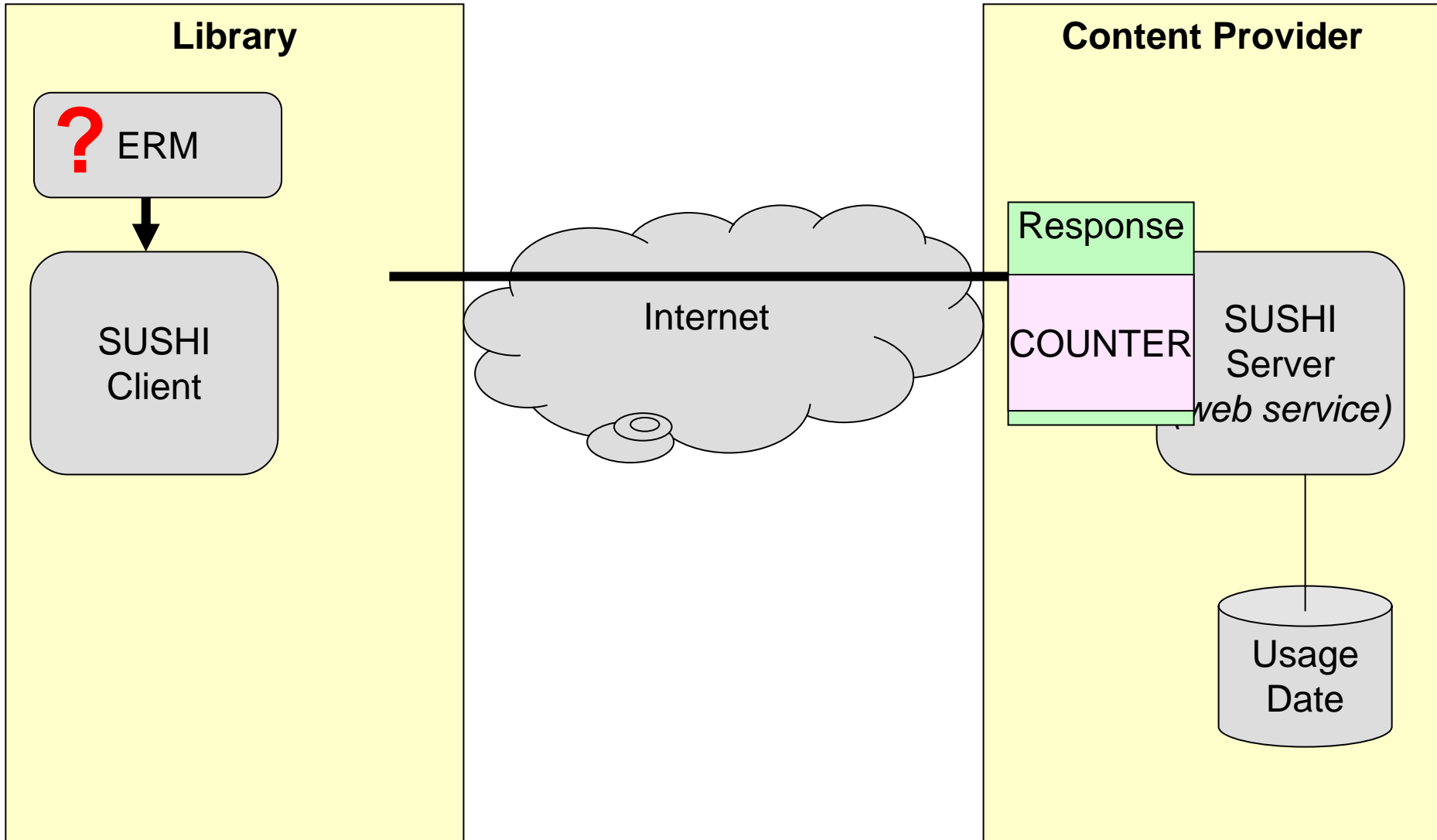
The SUSHI server creates the requested COUNTER report in XML format.



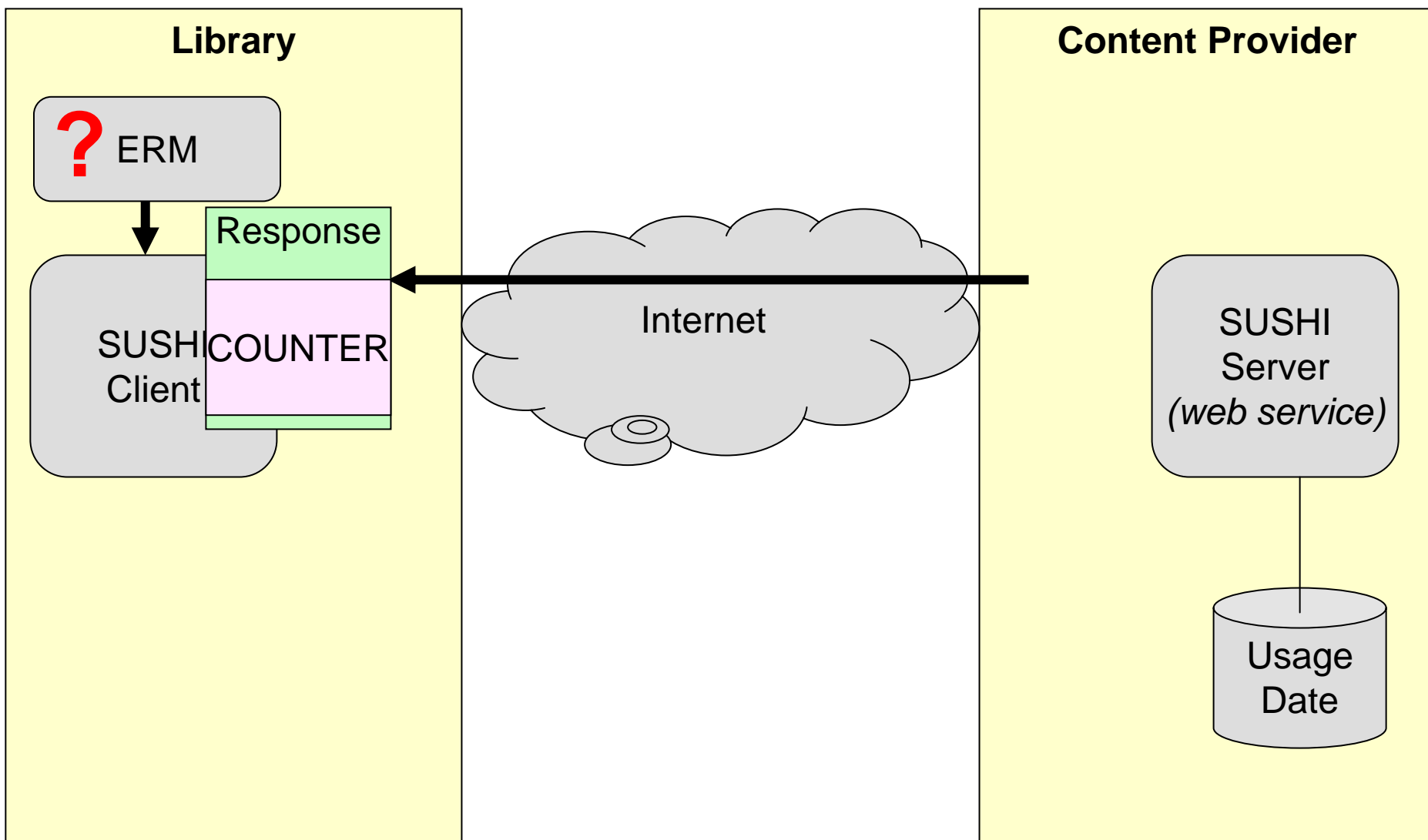
A response message is prepared according to the SUSHI XML schema.



The COUNTER report (XML) is added to the Response as its payload. The response is sent to the client.



The COUNTER report (XML) is added to the Response as its payload. The response is sent to the client.



The SUSHI client processes the response and extracts the COUNTER report.

Library

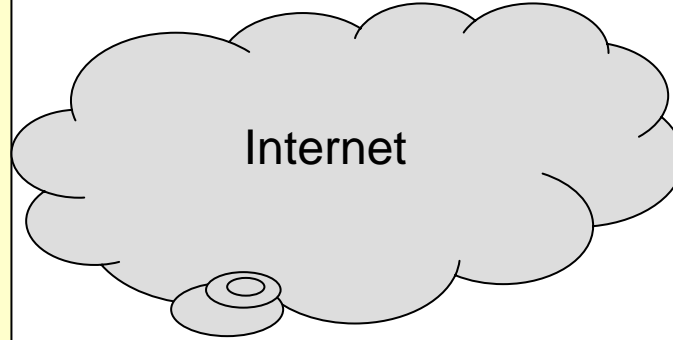
? ERM



SUSHI Client

Response

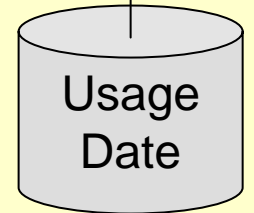
COUNTER



Internet

Content Provider

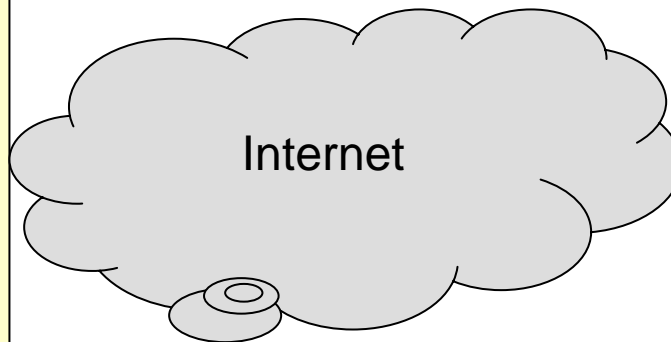
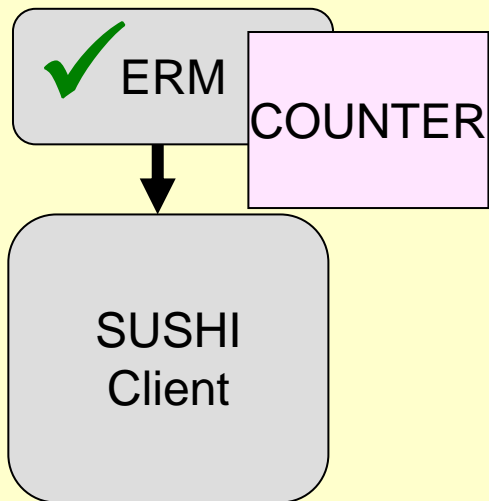
SUSHI Server
(web service)



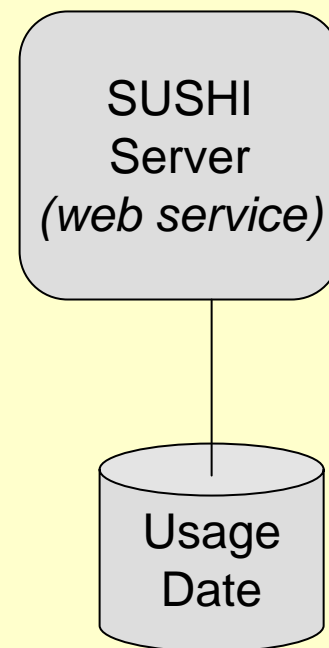
Usage Date

The extracted COUNTER report is passed to the ERM system for further processing.

Library

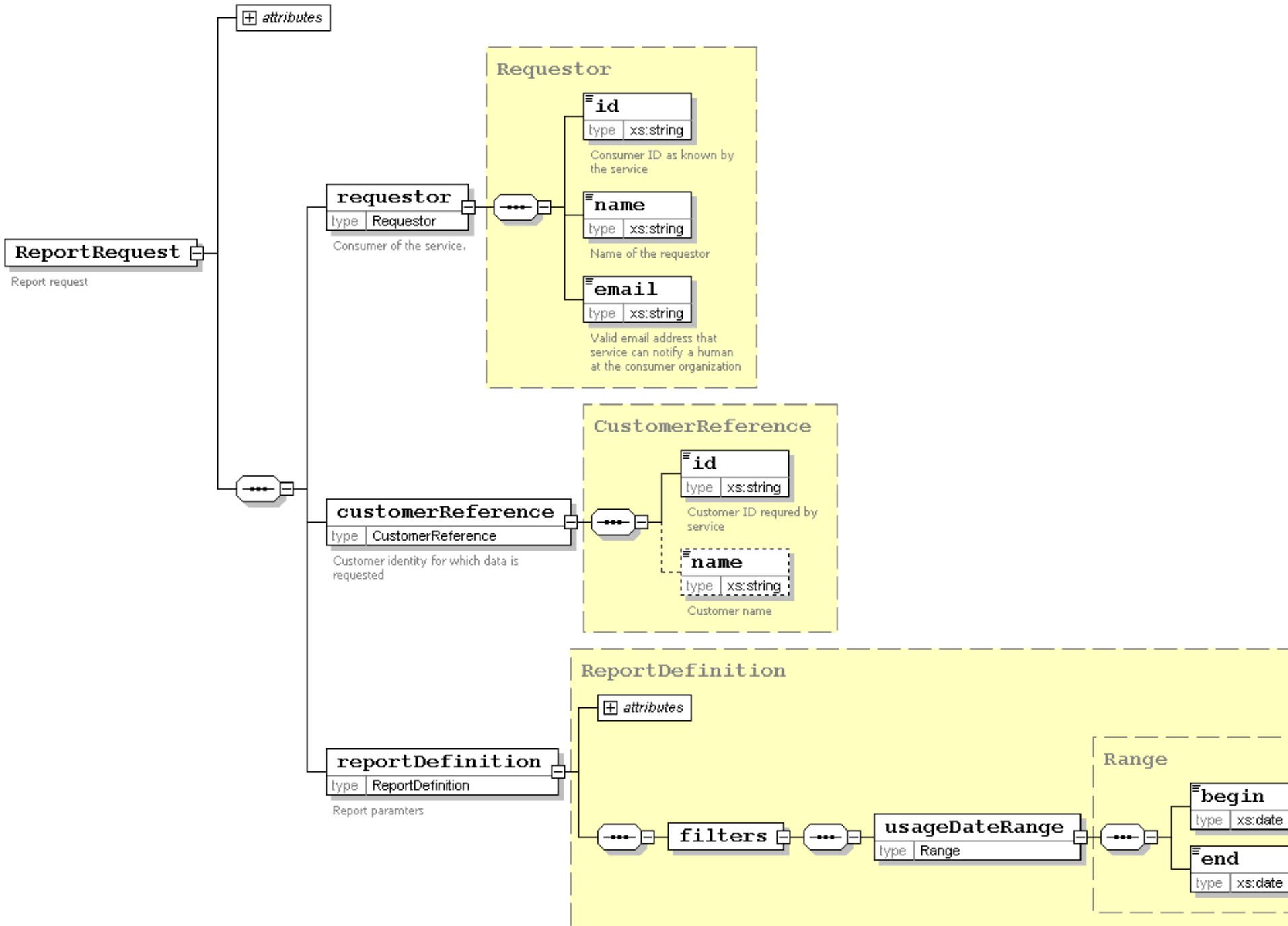


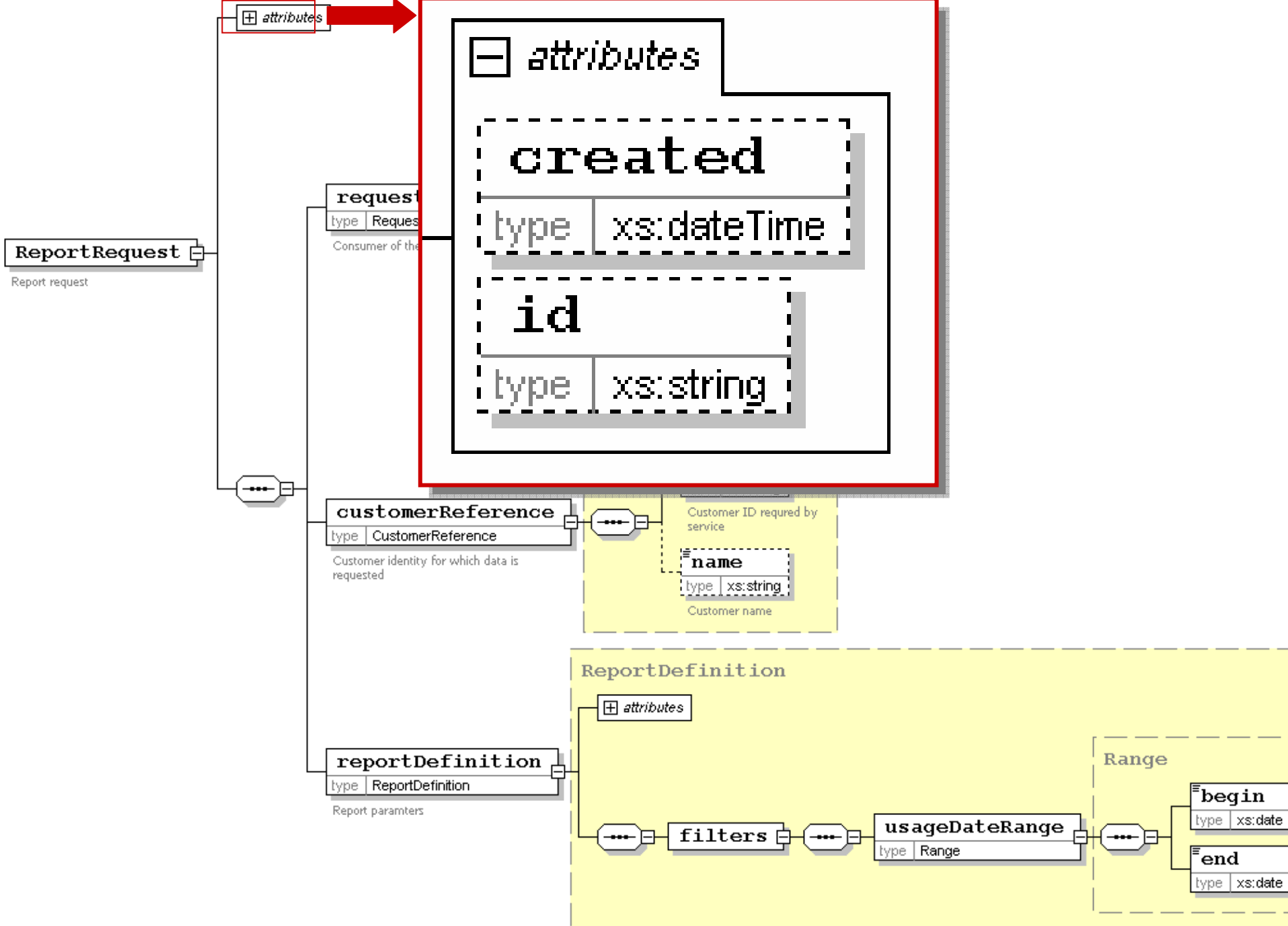
Content Provider

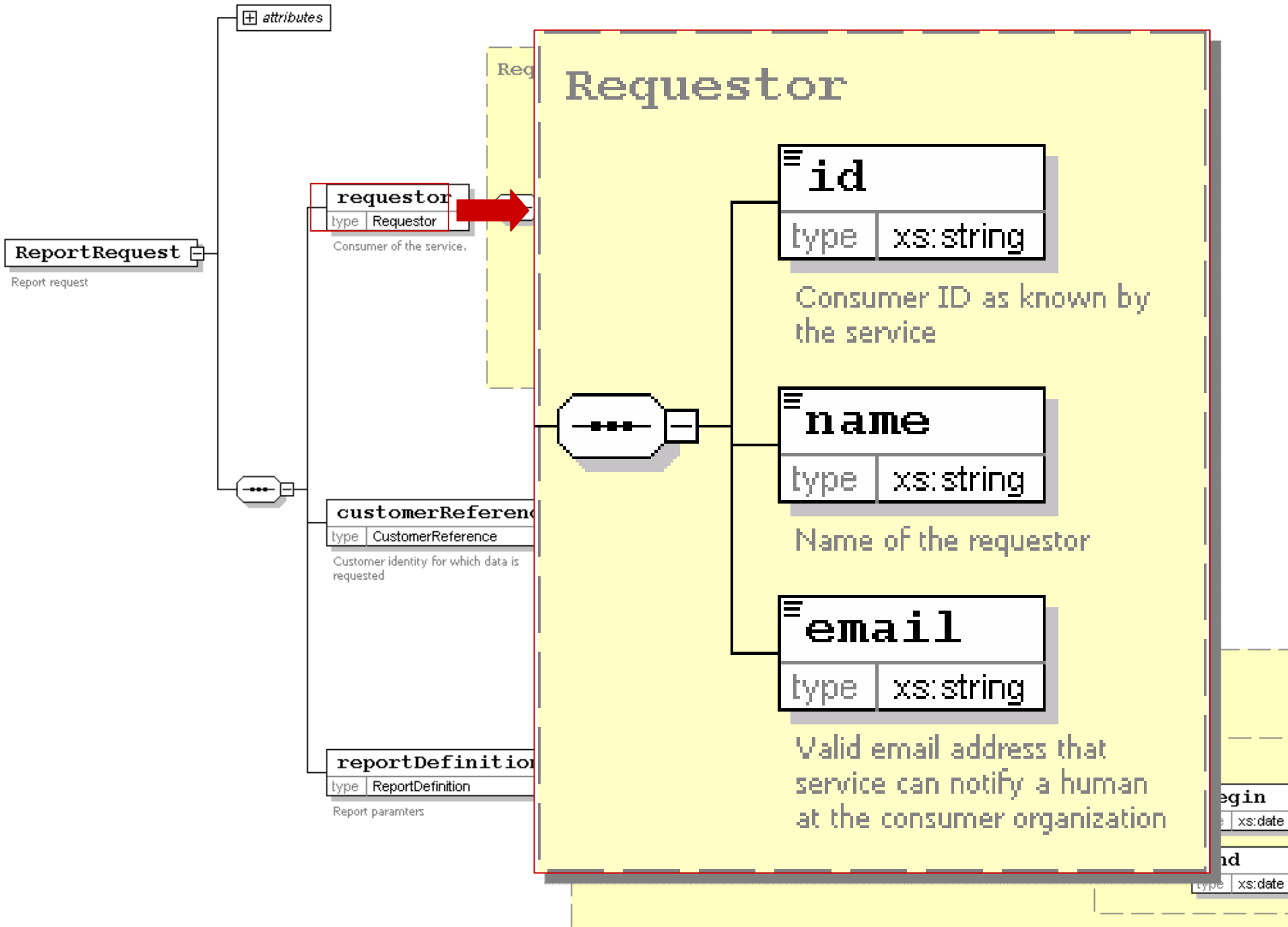


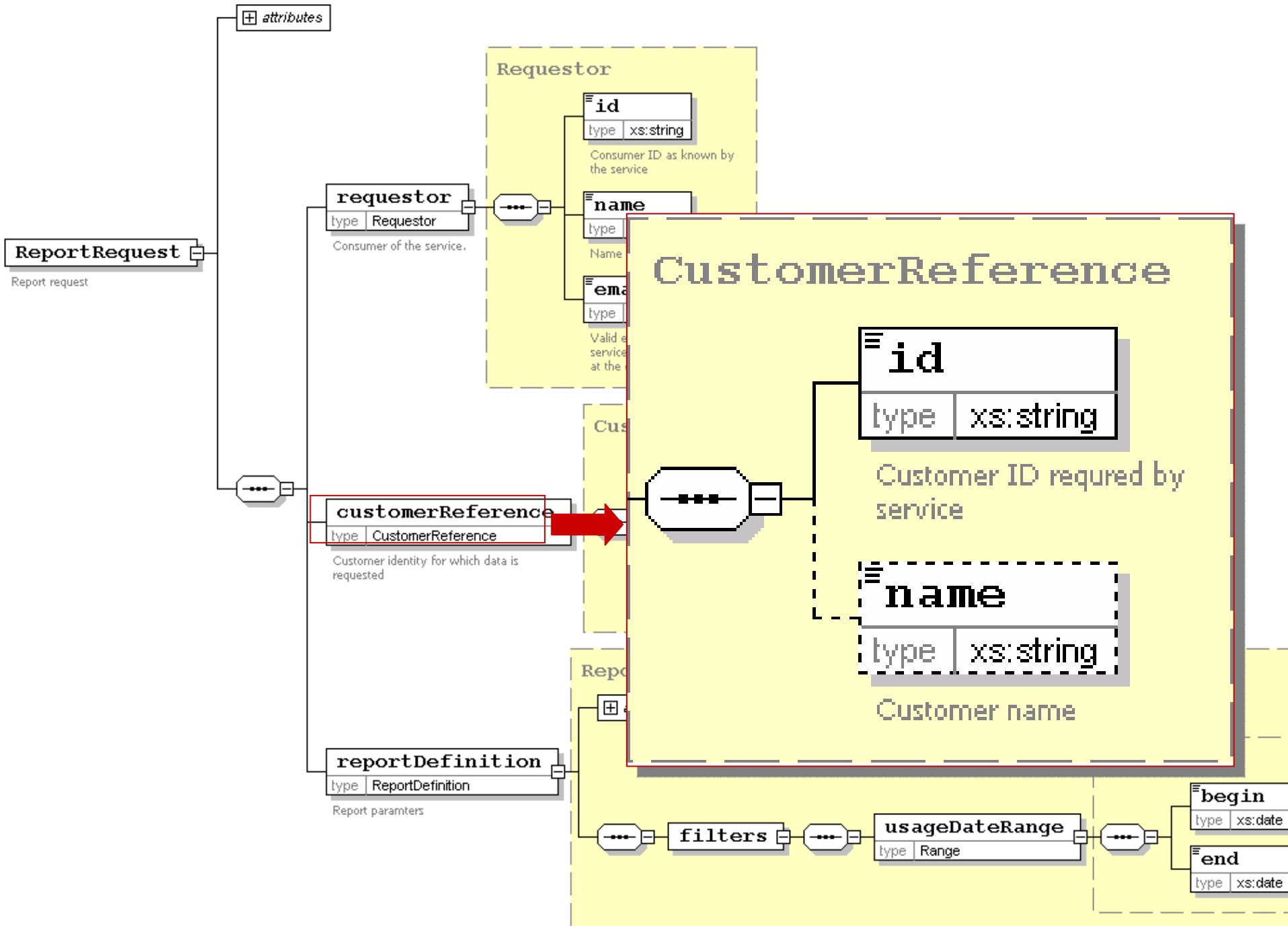
Report Request: Detailed View

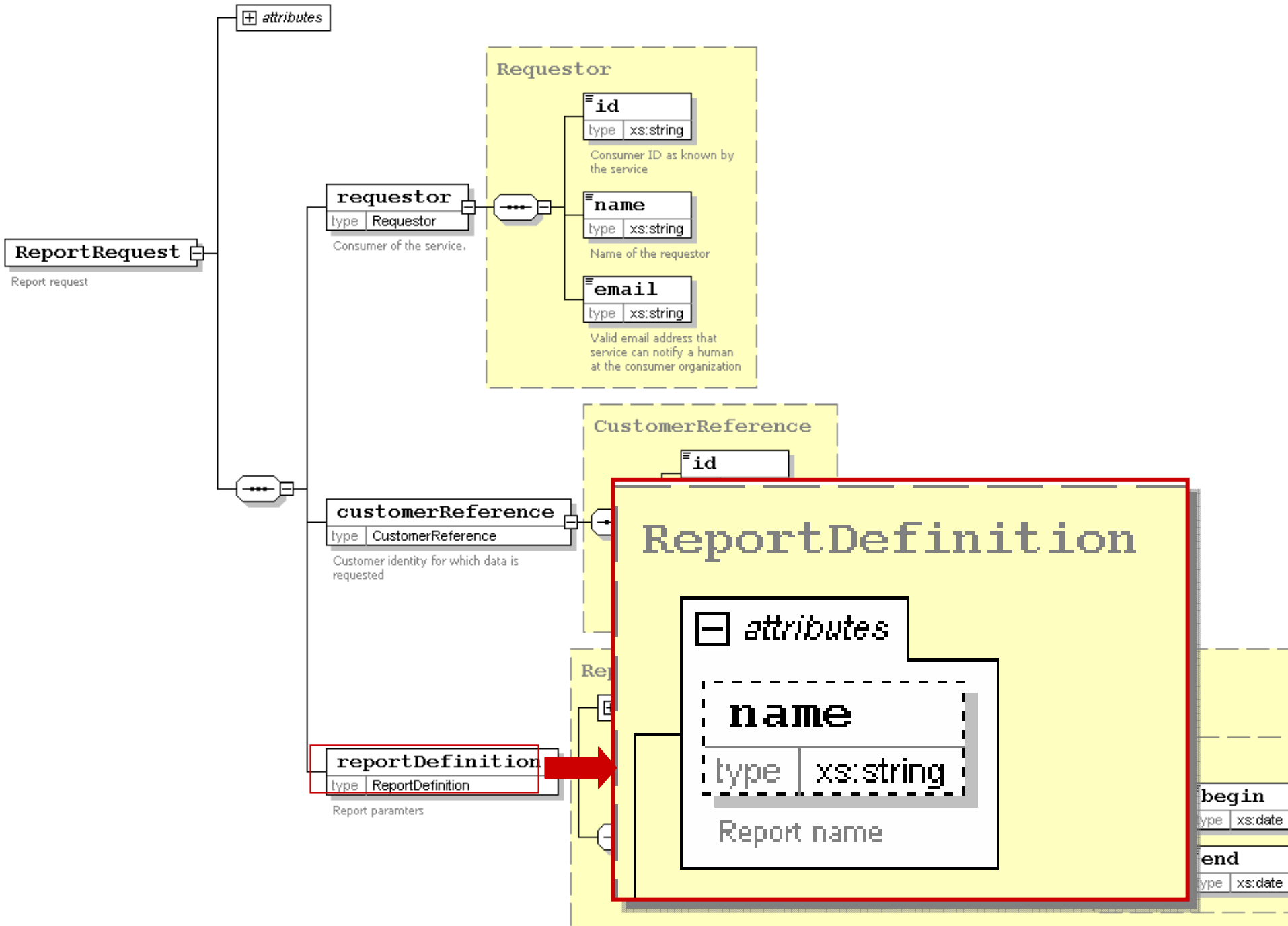
- <ReportRequest>
 - <requestor>
 - <customerReference>
 - <reportDefinition>

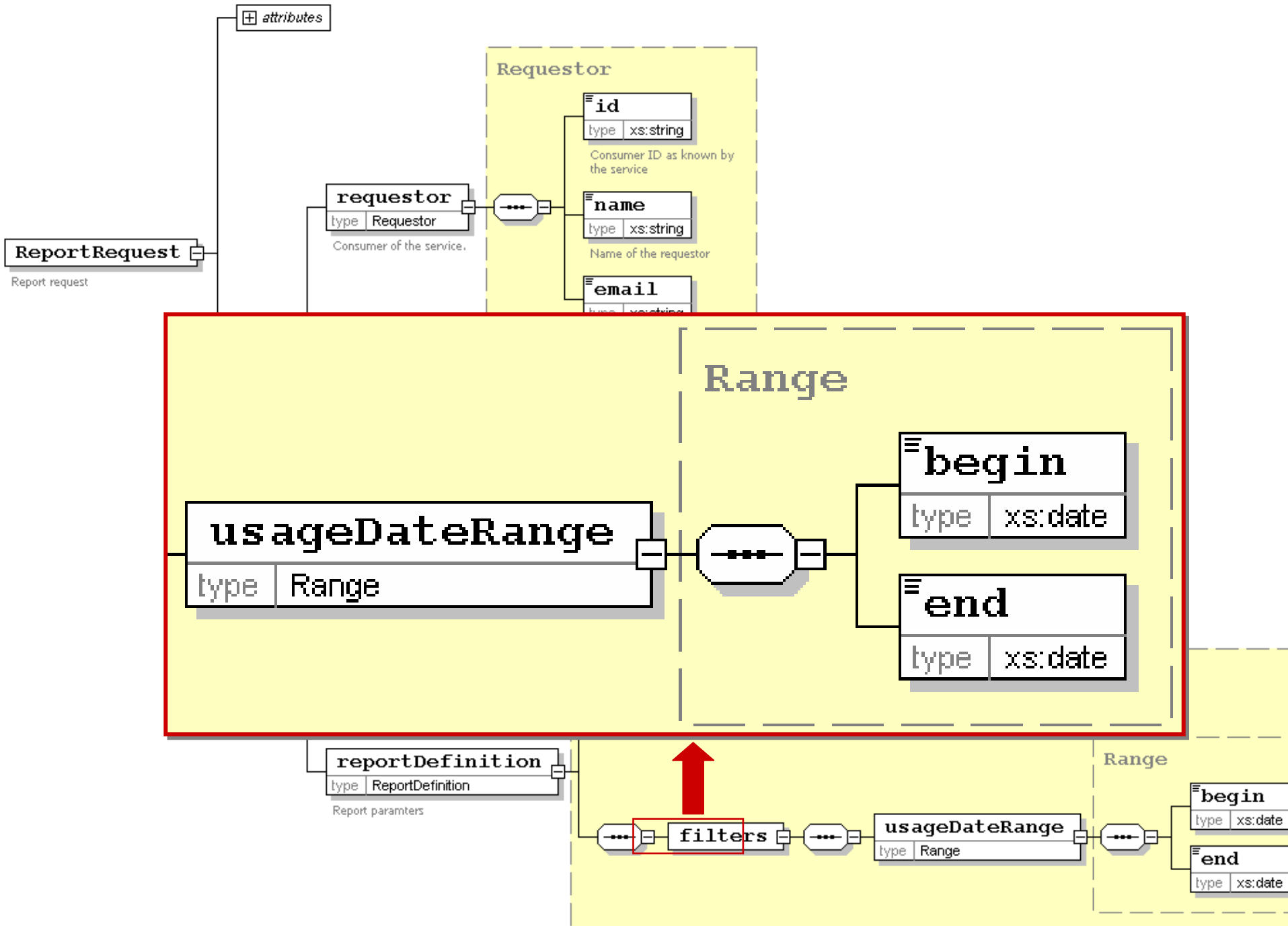












```
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <soap:Body>
  - <reportRequest xmlns="http://www.library.cornell.edu/cts/elicencestudy/ermi2/sushi/0.1/">
    <ticket xsi:nil="true" />
    - <requestor>
      <id>1234</id>
      <name>Innovative Interfaces ERM</name>
      <email>conact@Company.com</email>
    </requestor>
    - <customerReference>
      <id>678</id>
      <name>Mt. Laurel University</name>
    </customerReference>
    - <reportDefinition name="Report 1 (J1)">
      - <filters>
        - <usageDateRange>
          <begin>2003-07-01</begin>
          <end>2003-08-01</end>
        </usageDateRange>
      </filters>
    </reportDefinition>
  </reportRequest>
</soap:Body>
</soap:Envelope>
```

<requester>

To help protect your security, Internet Explorer has restricted this file from showing

```
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
- <soap:Body>
```

```
- <requestor>
```

```
  <id>1234</id>
```

```
  <name>Innovative Interfaces ERM</name>
```

```
  <email>contact@Company.com</email>
```

```
</requestor>
```

```
</customerReference>
```

```
- <reportDefinition name="Report 1 (J1)">
```

```
- <filters>
```

```
- <usageDateRange>
```

```
  <begin>2003-07-01</begin>
```

```
  <end>2003-08-01</end>
```

```
</usageDateRange>
```

```
</filters>
```

```
</reportDefinition>
```

```
</reportRequest>
```

```
</soap:Body>
```

```
</soap:Envelope>
```

<customerReference>

```
- <customerReference>  
  <id>678</id>  
  <name>Mt. Laurel University</name>  
</customerReference>
```

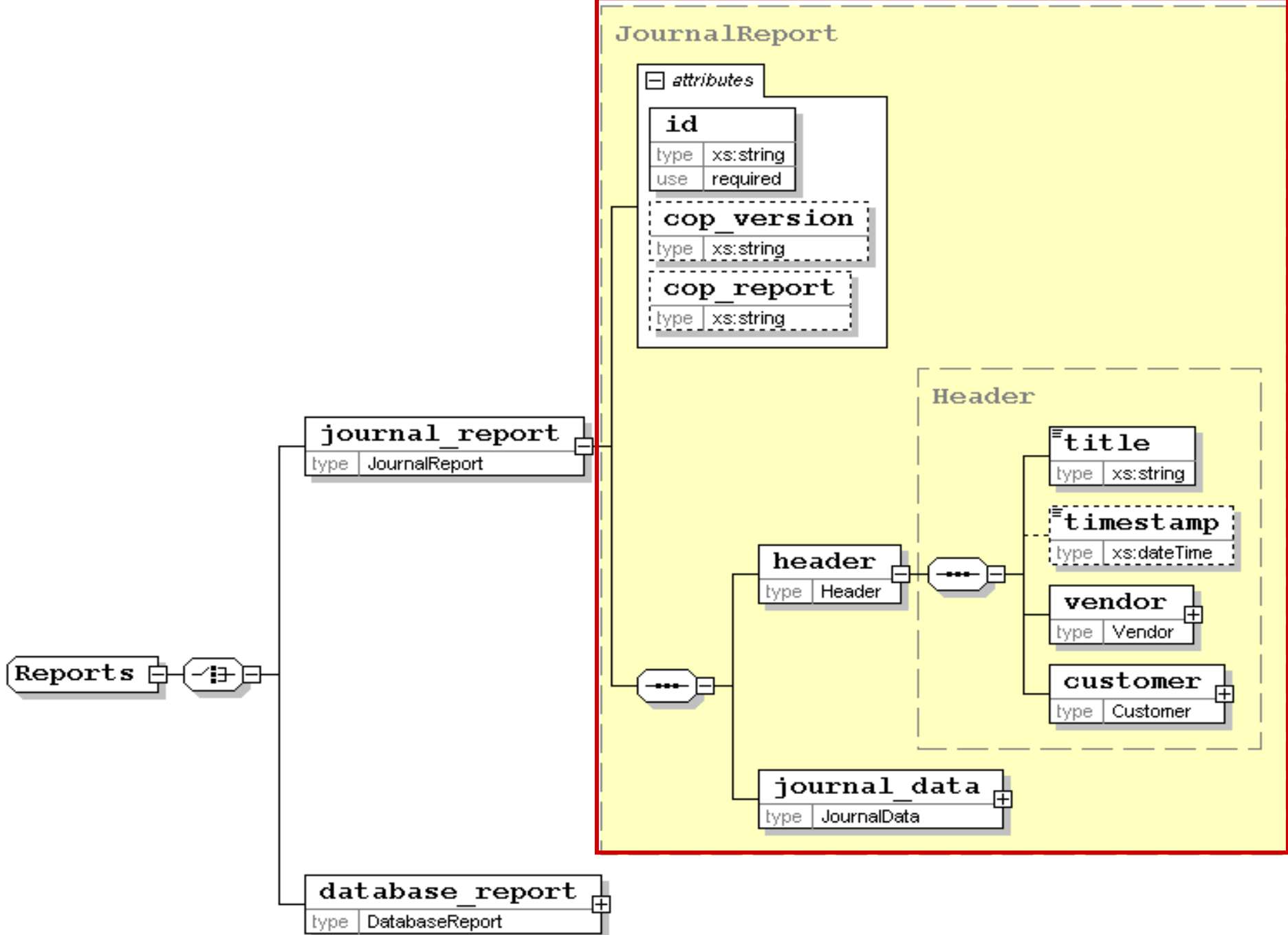
<reportDefinition>

/0.

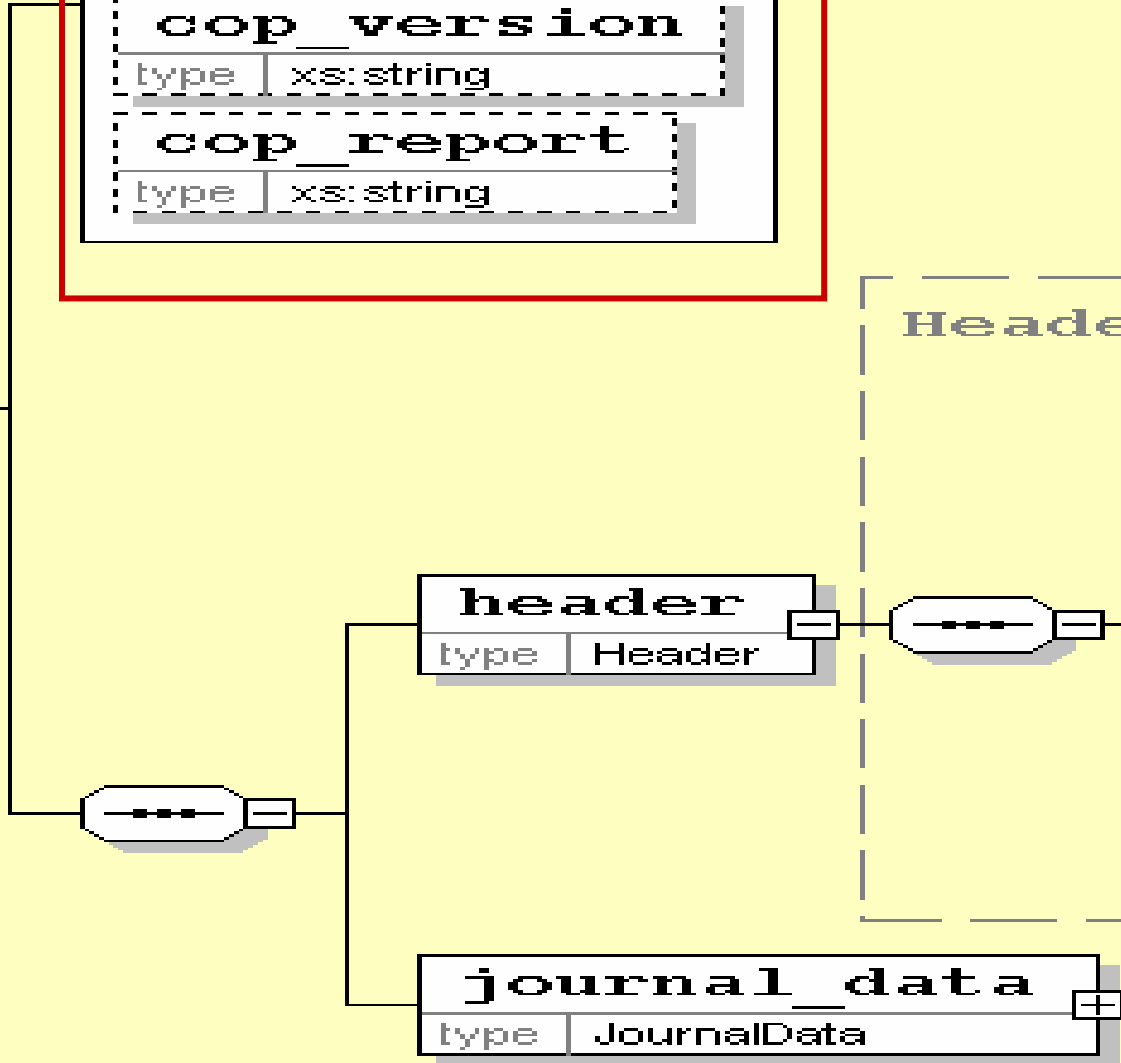
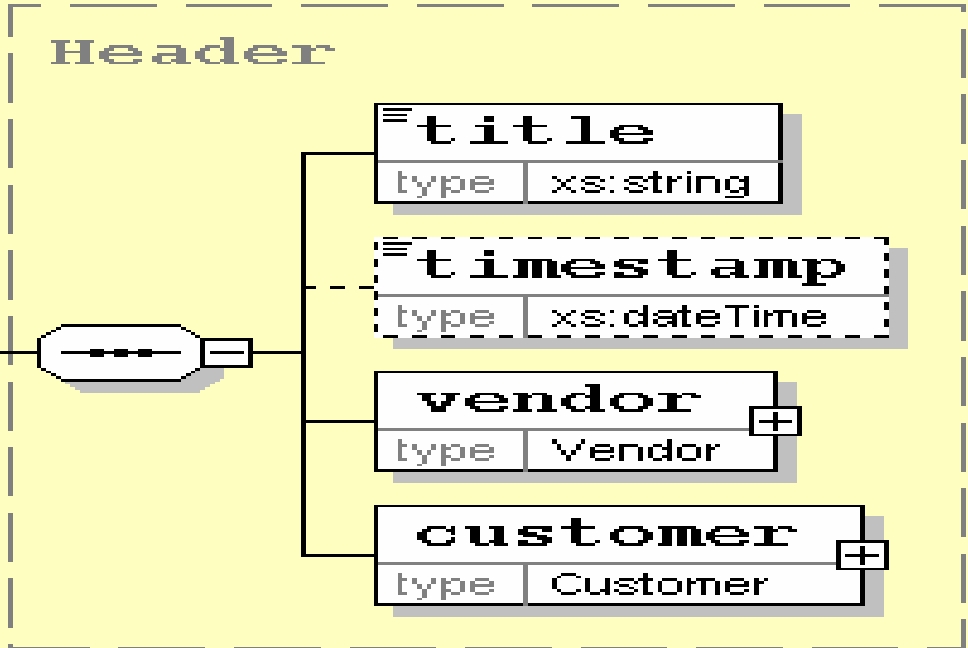
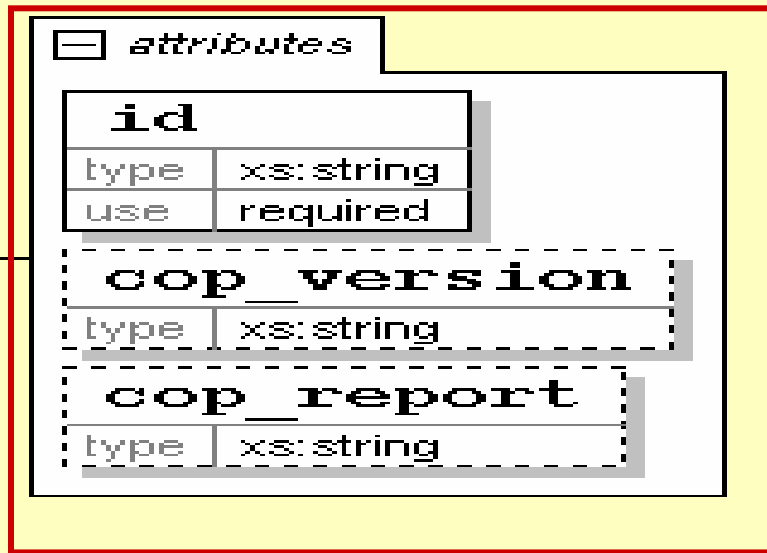
```
- <reportDefinition name="Report 1 (J1)">  
- <filters>  
  - <usageDateRange>  
    <begin>2003-07-01</begin>  
    <end>2003-08-01</end>  
  </usageDateRange>  
</filters>  
</reportDefinition>
```

Report Response: Detailed View

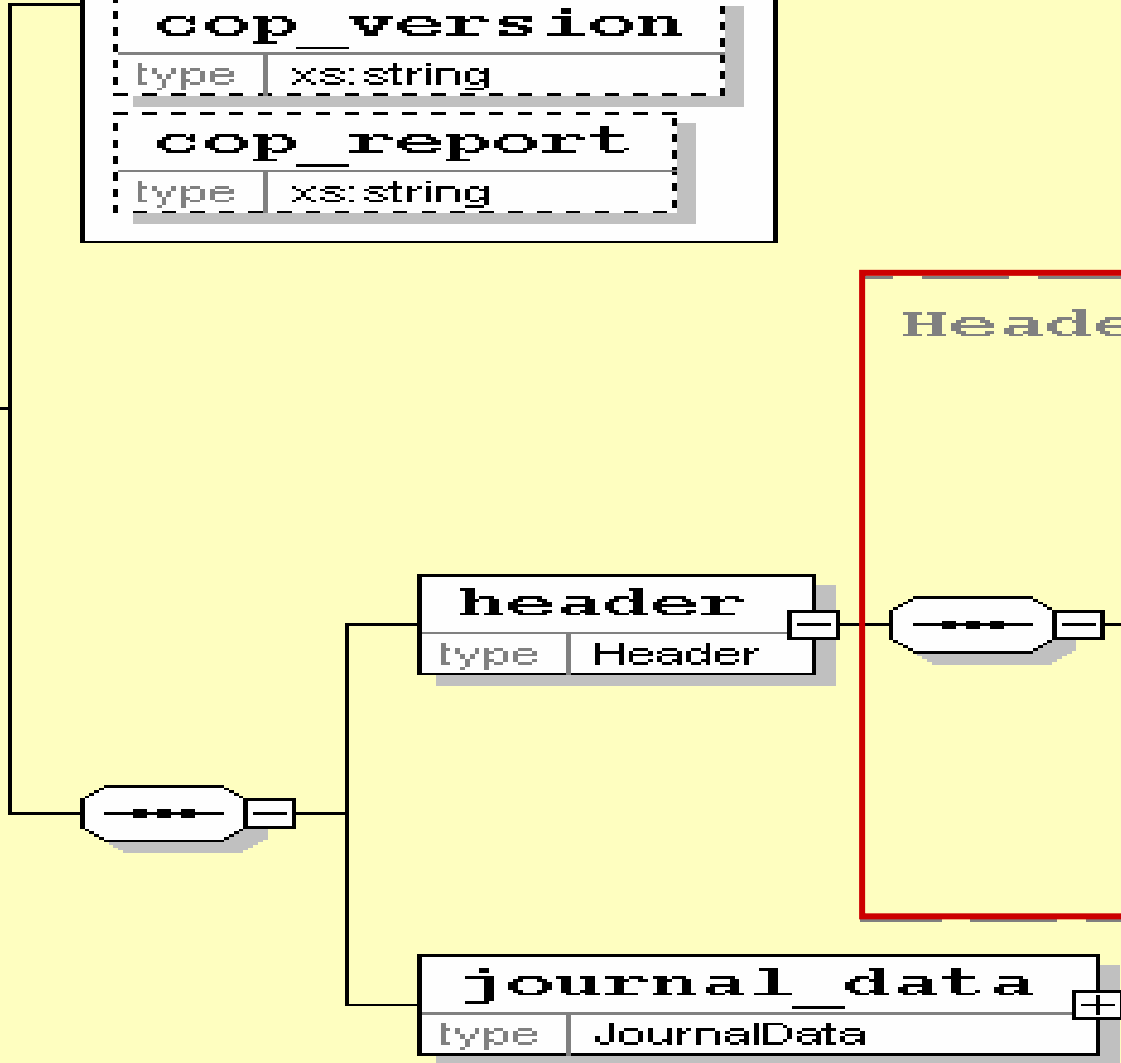
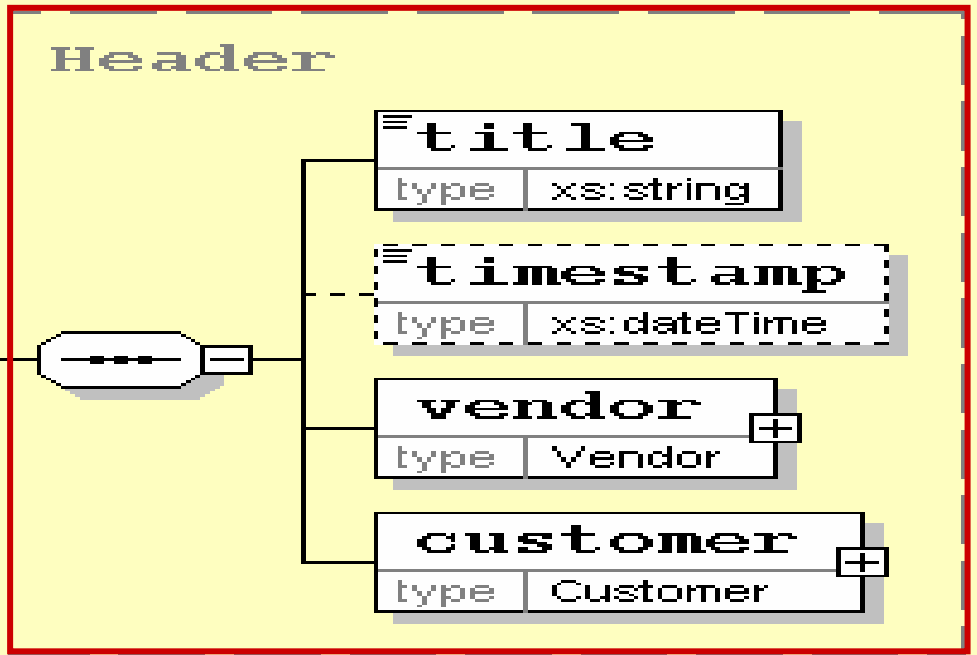
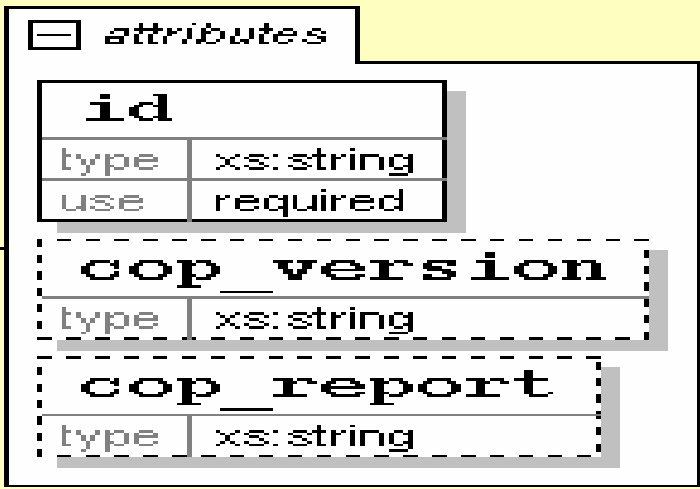
- <ReportResponse>
 - <requestor>
 - <customer>
 - <reportDefinition>
 - <reports>
 - <journal_report>



JournalReport



JournalReport



JournalReport

attributes

id	
type	xs:string
use	required

cop_version	
type	xs:string

cop_report	
type	xs:string

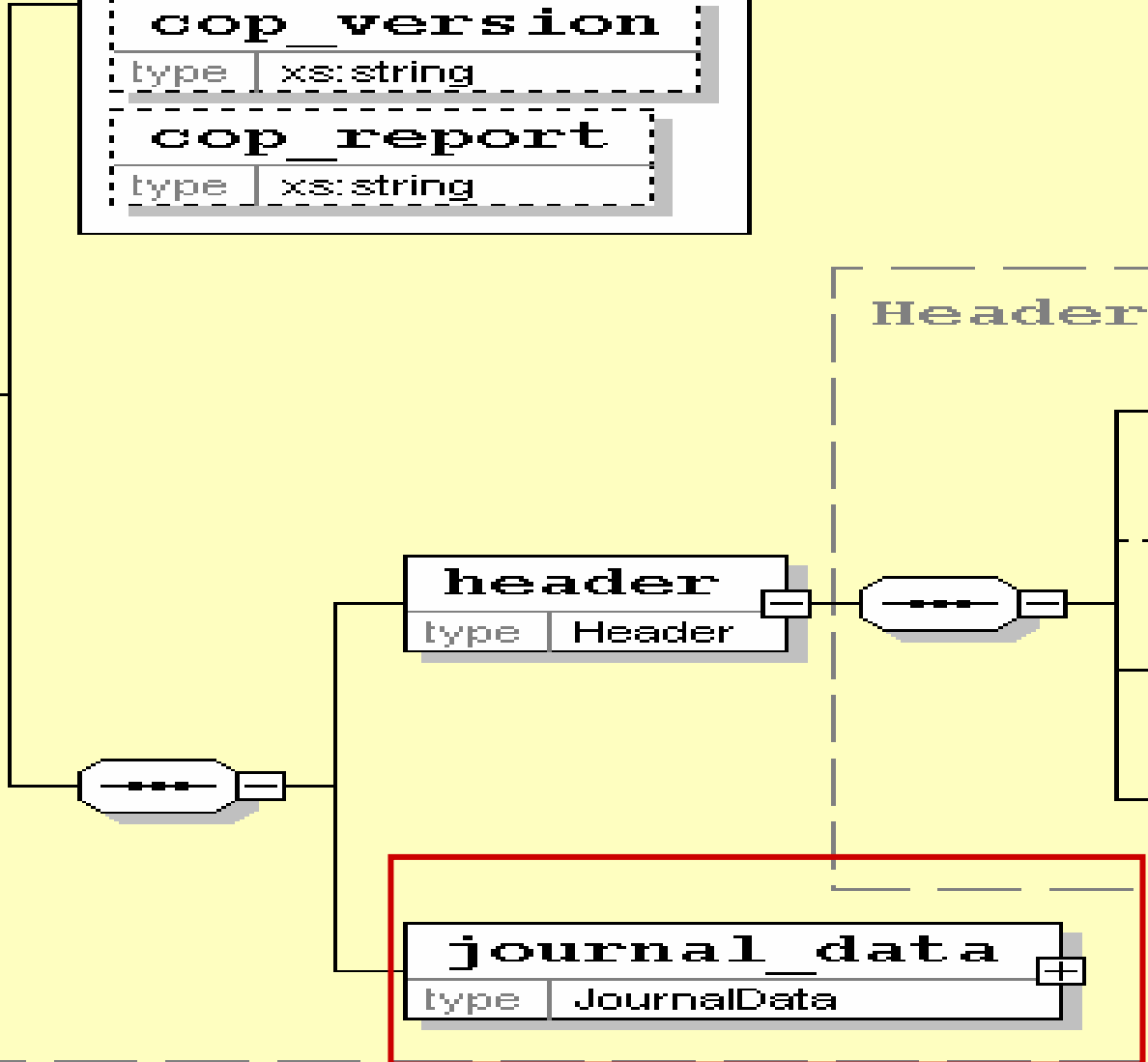
Header

title	
type	xs:string

timestamp	
type	xs:dateTime

vendor	
type	Vendor
	+

customer	
type	Customer
	+



Journal

attributes

attributes

name=
online_issn=
print_issn=
publisher=
platform=

type xs:string
use required

other_type

type xs:string

journal
type Journal
1..∞

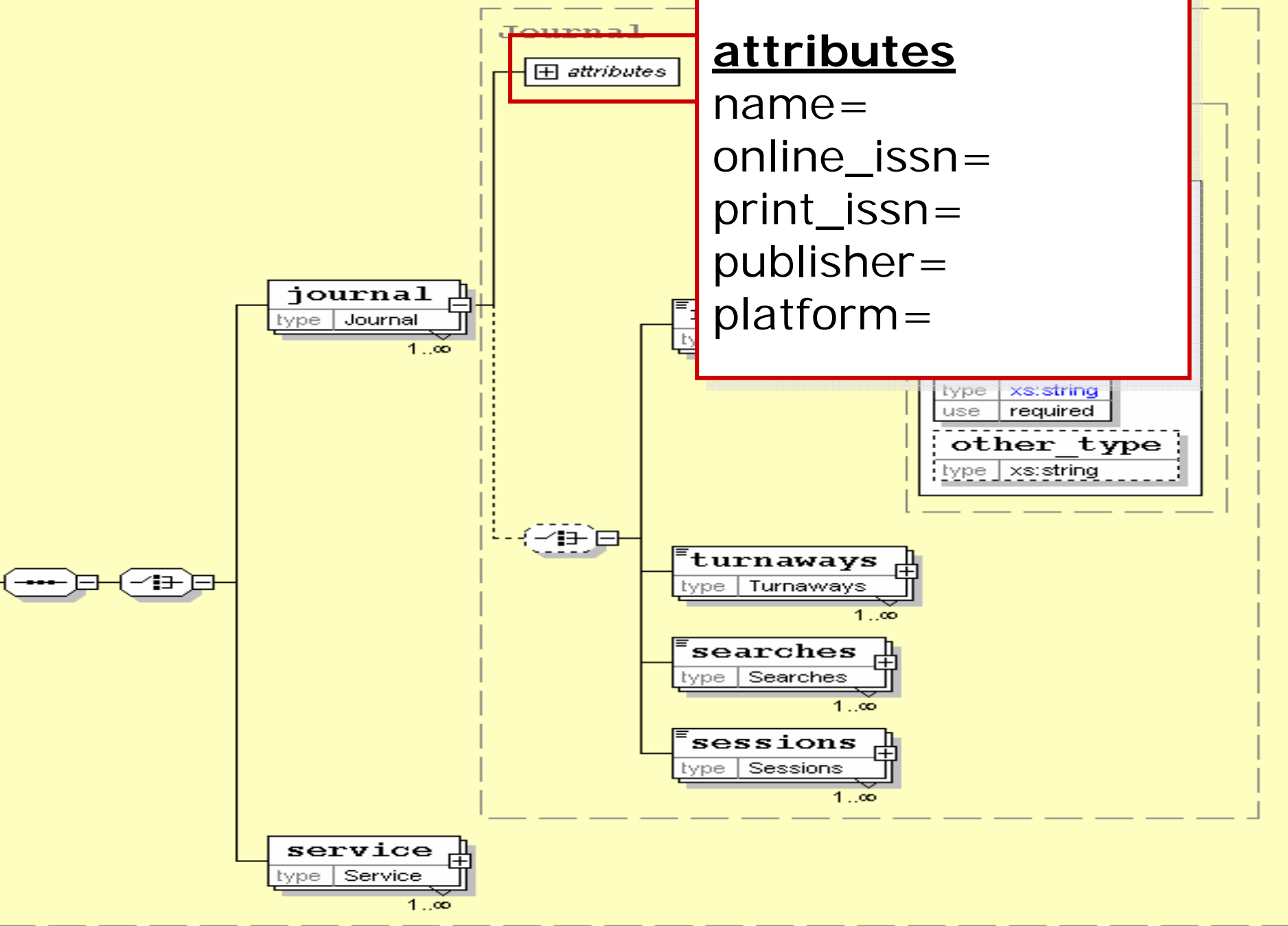
type

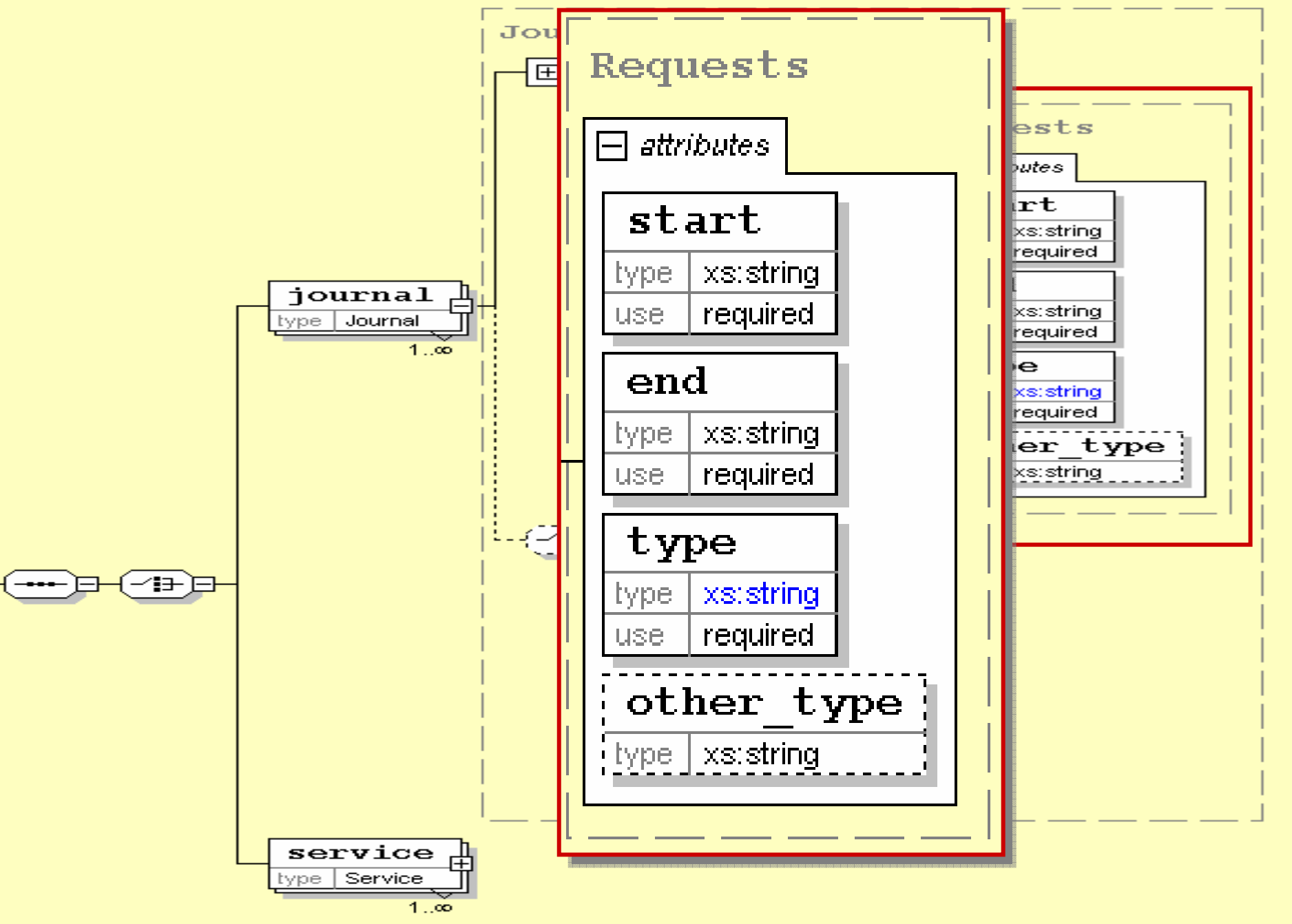
turnaways
type Turnaways
1..∞

searches
type Searches
1..∞

sessions
type Sessions
1..∞

service
type Service
1..∞







To help protect your security, Internet Explorer has restricted this file from showing active content that could access your computer. Click here for options...

```
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <soap:Body>
- <reportResponse created="2006-02-21T22:26:48.375-06:00"
  xmlns="http://www.library.cornell.edu/cts/elicensesstudy/ermi2/sushi/0.1/">
  <ticket xsi:nil="true" />
- <requestor>
  <id>1234</id>
  <name>Innovative Interfaces ERM</name>
  <email>Contact@Company.com</email>
</requestor>
- <customer>
  <cust_name xmlns="urn:projectcounter-org:ns:2005:reports">Mt. Laurel
    University</cust_name>
  <cust_ref xmlns="urn:projectcounter-org:ns:2005:reports">678</cust_ref>
  <cust_ip type="single" xmlns="urn:projectcounter-org:ns:2005:reports" />
  <cust_username xmlns="urn:projectcounter-org:ns:2005:reports" />
  <cust_criteria xmlns="urn:projectcounter-org:ns:2005:reports" />
</customer>
- <reportDefinition name="Report 1 (J1)">
- <filters>
- <usageDateRange>
  <begin>2003-07-01</begin>
  <end>2003-08-01</end>
</usageDateRange>
</filters>
</reportDefinition>
```



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- <requestor>
  <id>1234</id>
  <name>Innovative Interfaces ERM</name>
  <email>Contact@Company.com</email>
</requestor>
```

```
<cust_ip type="single" xmlns="urn:projectcounter-org:ns:2005:reports" />
<cust_username xmlns="urn:projectcounter-org:ns:2005:reports" />
<cust_criteria xmlns="urn:projectcounter-org:ns:2005:reports" />
```

```
</customer>
- <reportDefinition name="Report 1 (J1)">
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  - <usageDateRange>
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  </usageDateRange>
</filters>
</reportDefinition>
```



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```

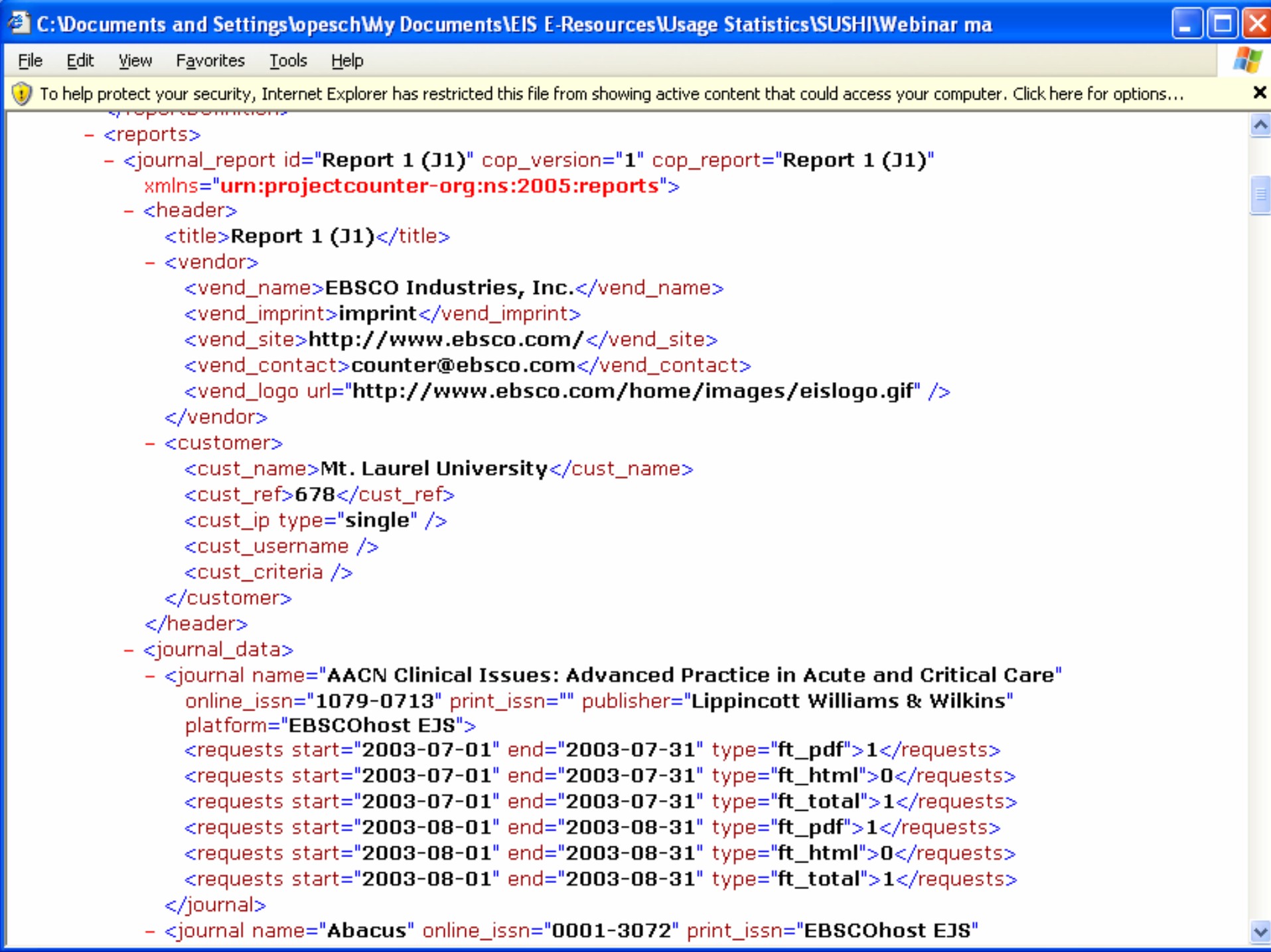
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <soap:Body>
  - <reportResponse created="2006-02-21T22:26:48.375-06:00"
    xmlns="http://www.library.cornell.edu/cts/elicencestudy/ermi2/sushi/0.1/">
    <ticket xsi:nil="true" />
  - <customer>
    <cust_name xmlns="urn:projectcounter-org:ns:2005:reports">Mt. Laurel
      University</cust_name>
    <cust_ref xmlns="urn:projectcounter-org:ns:2005:reports">678</cust_ref>
    <cust_ip type="single" xmlns="urn:projectcounter-org:ns:2005:reports" />
    <cust_username xmlns="urn:projectcounter-org:ns:2005:reports" />
    <cust_criteria xmlns="urn:projectcounter-org:ns:2005:reports" />
  </customer>
  - <reportDefinition name="Report 1 (J1)">
    - <filters>
      - <usageDateRange>
        <begin>2003-07-01</begin>
        <end>2003-08-01</end>
      </usageDateRange>
    </filters>
  </reportDefinition>

```



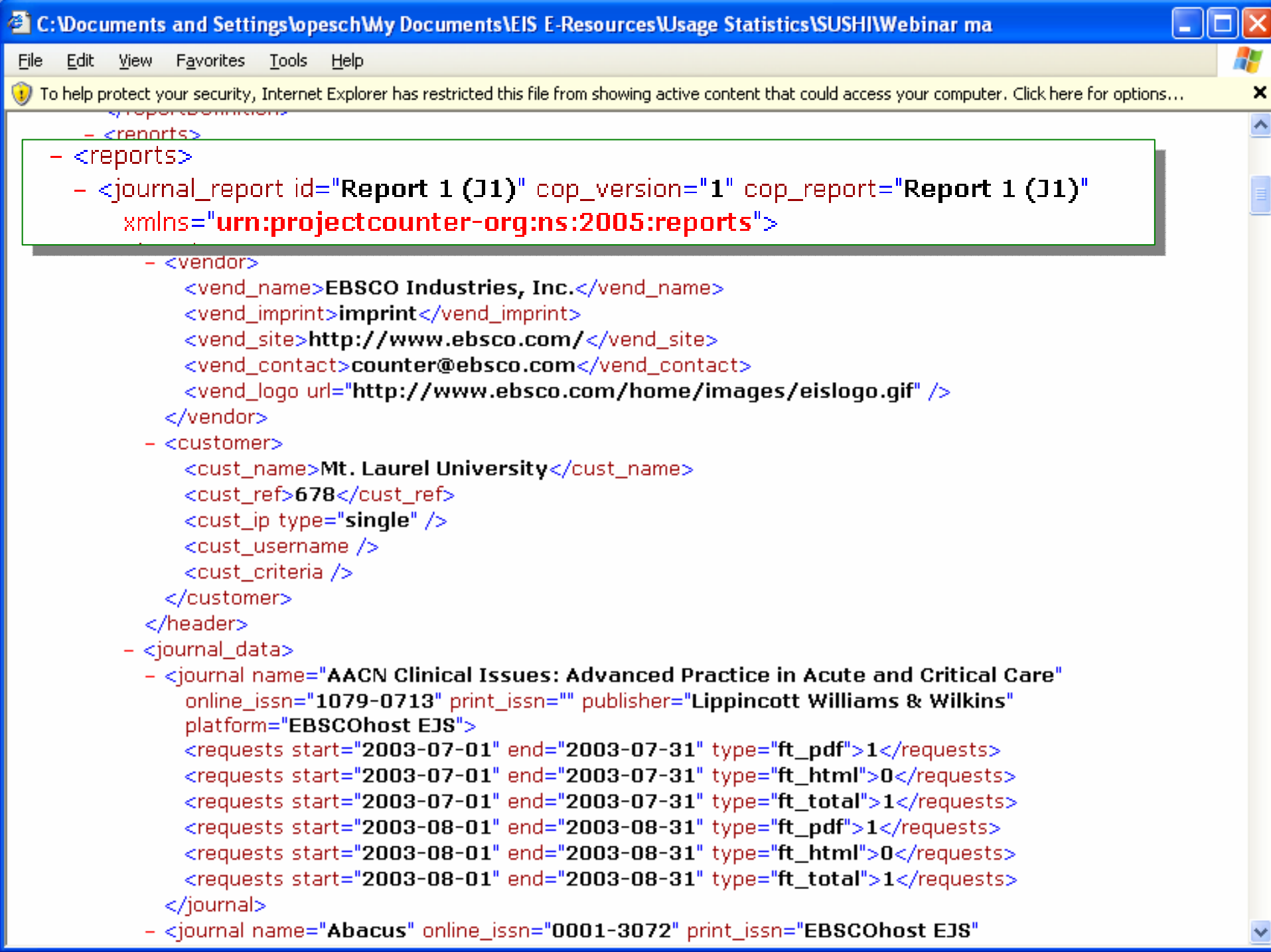
To help protect your security, Internet Explorer has restricted this file from showing active content that could access your computer. Click here for options...

```
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <soap:Body>
- <reportResponse created="2006-02-21T22:26:48.375-06:00"
  xmlns="http://www.library.cornell.edu/cts/elicencestudy/ermi2/sushi/0.1/">
  <ticket xsi:nil="true" />
- <requestor>
  <id>1234</id>
  <name>Innovative Interfaces ERM</name>
  <email>Contact@Company.com</email>
</requestor>
- <reportDefinition name="Report 1 (J1)">
  - <filters>
    - <usageDateRange>
      <begin>2003-07-01</begin>
      <end>2003-08-01</end>
    </usageDateRange>
  </filters>
</reportDefinition>
  <end>2003-08-01</end>
</usageDateRange>
</filters>
</reportDefinition>
```



To help protect your security, Internet Explorer has restricted this file from showing active content that could access your computer. Click here for options...

```
<reports>
- <journal_report id="Report 1 (J1)" cop_version="1" cop_report="Report 1 (J1)"
  xmlns="urn:projectcounter-org:ns:2005:reports">
- <header>
  <title>Report 1 (J1)</title>
- <vendor>
  <vend_name>EBSCO Industries, Inc.</vend_name>
  <vend_imprint>imprint</vend_imprint>
  <vend_site>http://www.ebsco.com/</vend_site>
  <vend_contact>counter@ebsco.com</vend_contact>
  <vend_logo url="http://www.ebsco.com/home/images/eislogo.gif" />
</vendor>
- <customer>
  <cust_name>Mt. Laurel University</cust_name>
  <cust_ref>678</cust_ref>
  <cust_ip type="single" />
  <cust_username />
  <cust_criteria />
</customer>
</header>
- <journal_data>
- <journal name="AACN Clinical Issues: Advanced Practice in Acute and Critical Care"
  online_issn="1079-0713" print_issn="" publisher="Lippincott Williams & Wilkins"
  platform="EBSCOhost EJS">
  <requests start="2003-07-01" end="2003-07-31" type="ft_pdf">1</requests>
  <requests start="2003-07-01" end="2003-07-31" type="ft_html">0</requests>
  <requests start="2003-07-01" end="2003-07-31" type="ft_total">1</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_pdf">1</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_html">0</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_total">1</requests>
</journal>
- <journal name="Abacus" online_issn="0001-3072" print_issn="EBSCOhost EJS"
```



```
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  <requests start="2003-08-01" end="2003-08-31" type="ft_html">0</requests>  
  <requests start="2003-08-01" end="2003-08-31" type="ft_total">1</requests>  
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  <cust_ref>678</cust_ref>
  <cust_ip type="single" />
  <cust_username />

```

```

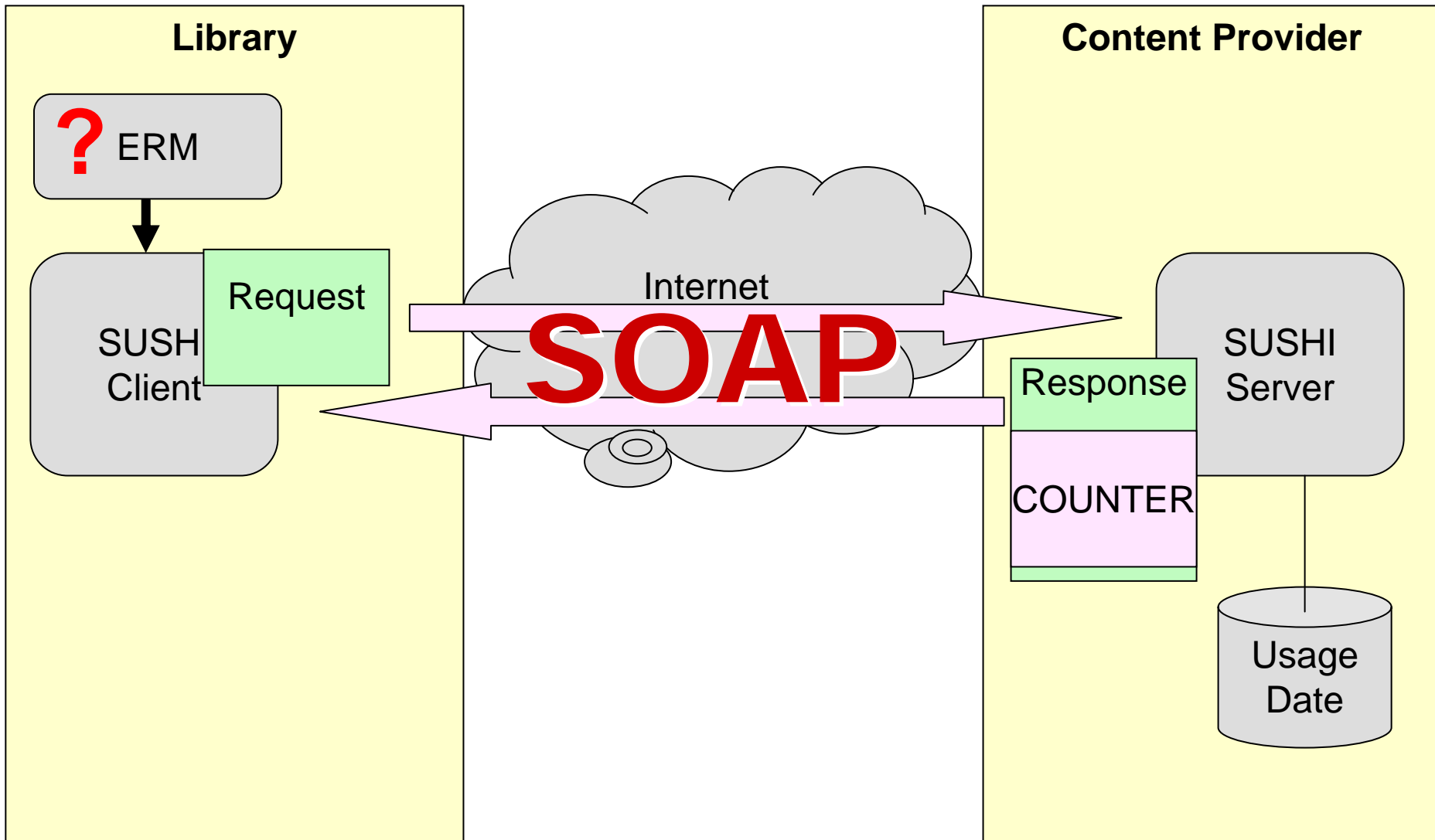
- <journal name="AACN Clinical Issues: Advanced Practice in Acute and Critical Care"
  online_issn="1079-0713" print_issn="" publisher="Lippincott Williams & Wilkins"
  platform="EBSCOhost EJS">
  <requests start="2003-07-01" end="2003-07-31" type="ft_pdf">1</requests>
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  <requests start="2003-07-01" end="2003-07-31" type="ft_total">1</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_pdf">1</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_html">0</requests>
  <requests start="2003-08-01" end="2003-08-31" type="ft_total">1</requests>
</journal>

```

</journal>

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- <journal name="Abacus" online_issn="0001-3072" print_issn="EBSCOhost EJS"
```

SUSHI is a Web Service which sends an XML Request to a content provider to obtain an XML response containing the usage report.



SUSHI: The technology unveiled

Role of Client and Server

Role of Client and Server – Conceptual Model

1. Client is configured with request parameters
 2. Client makes request to server
 3. Server responds with data
 4. Client delivers data to database
 1. Usage statistics are matched with ERM resources/titles
- Bonus: Value-added processing:
- cost-per-use calculations

Role of Client and Server – Technical Model

- Client requests data
 - Request informed by parameters
 - User ID
 - Provided by service
 - Request date
 - Day of month
 - Months to request
 - By calendar or number of months
 - COUNTER model
 - Address of service
 - WSDL Address
 - Other elements required by client

Role of Client and Server – Technical Model

- Server Replies with Data
 - SUSHI schema describes response elements
 - Payload follows COUNTER's schema

Role of Client and Server – Business Model

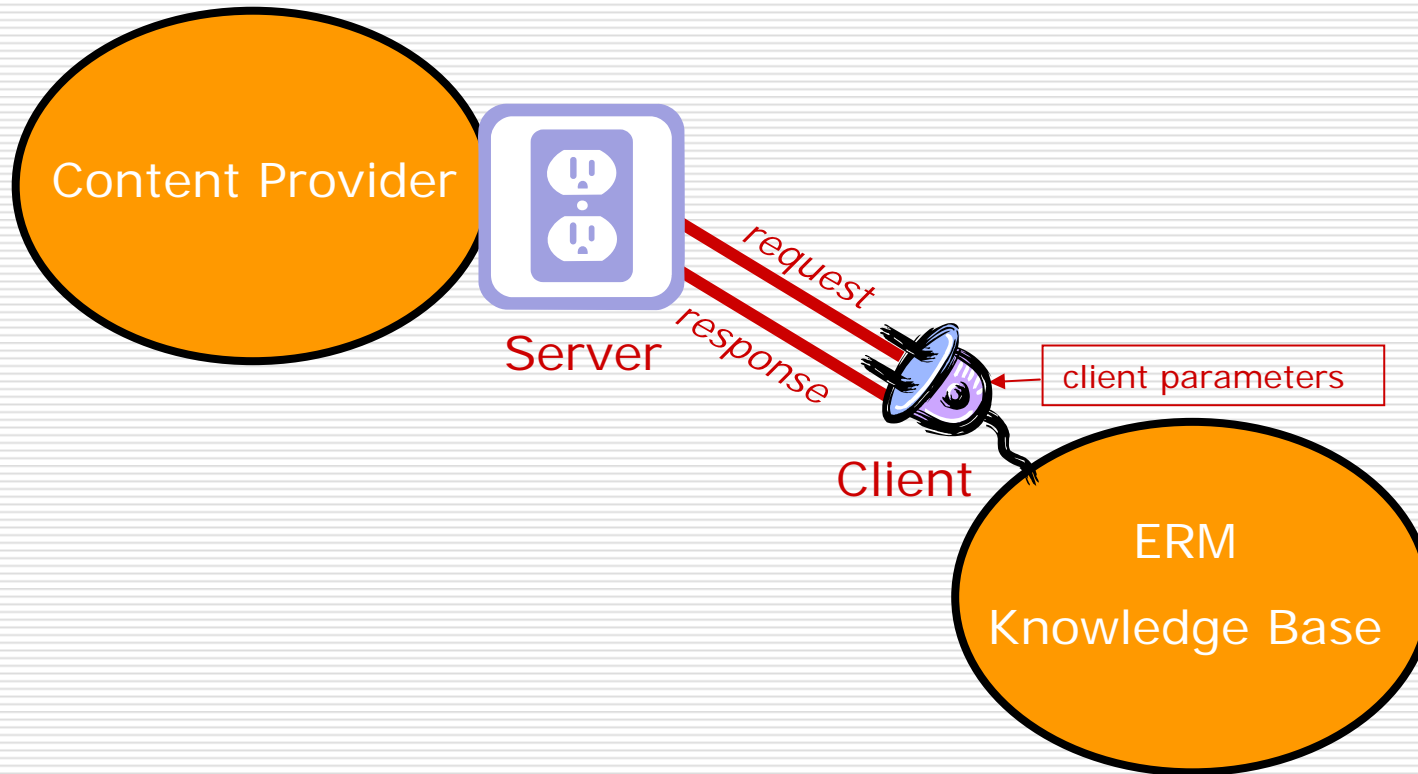
□ ERM System

- Description of subscribed resources
- Knowledge base:
 - Titles, dates of coverage, etc.
- Links usage stats with title-level and package-level detail
- Client should be built-in to harvest data and link to knowledge base

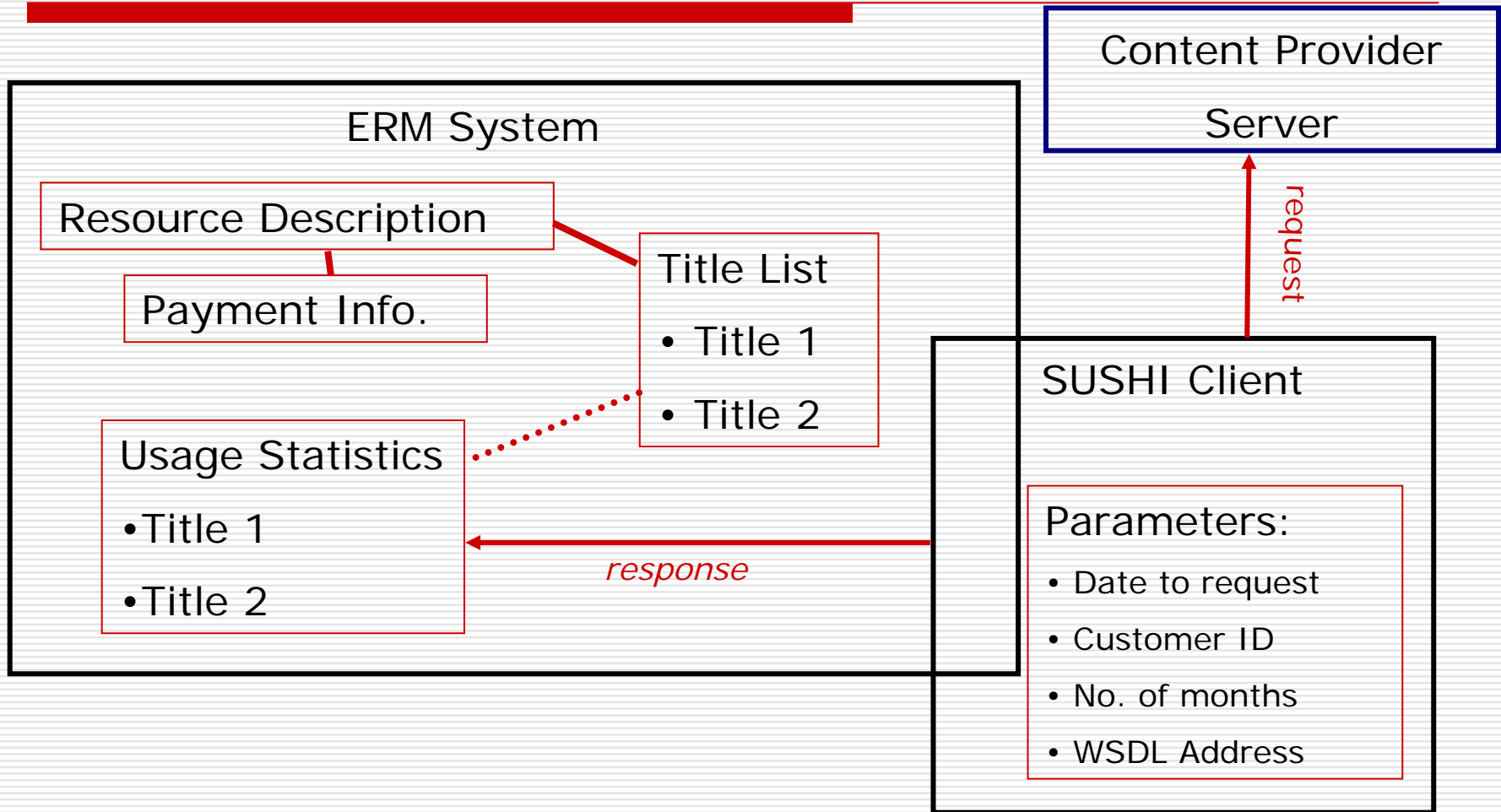
Role of Client and Server – Business Model

- Usage Statistics Consolidation System
 - Harvests usage statistics on behalf of the library
 - Records library's request parameters
 - Harvests data
 - Consolidates data – provides reports
 - Could also provide server for library's own client

Role of Client and Server –



Role of Client and Server –



Role of Client and Server –

Examples...



Examples –

The screenshot displays the Millennium Electronic Resource Management (ERM) software interface. The main window is titled "Coverage Edit" and shows a list of journals and their associated statistics. A Microsoft Excel spreadsheet is overlaid on the ERM window, displaying the same data in a tabular format. The Excel spreadsheet is titled "storestat38754.csv" and contains the following data:

1	Number of Successful Full-Text Article Requests by Month and Journal										
2	Year-to-Date 2006 CPU: \$5.56										
3	Year-to-Date 2006 Cost: \$5,363.54										
4	Year-to-Date 2006 Usage: 963										
6	Title	ISSN1	Online IS	2006 CPU	2006 Use	2006-Jan	2006-Feb	2006-Mar	2006-Apr	Totals	
7	Aquatic Living Resources	1765-2952	0990-7440	\$11.04	18	11	7			18	
8	Archiv für Geschichte der Philosophie	1613-0650	0003-9101	\$99.33	2				2	2	
9	Art Design and Communication in Higher Education		1474-273X	\$49.66	4		3		1	4	
10	Australian and New Zealand Journal of Audiology		0157-1532	\$24.83	8		3		5	8	
11	Australian and New Zealand Journal of Criminology		0004-8658	\$11.04	18	3	4		11	18	
12	Behaviour Change		0813-4839	\$3.90	51	13	6		32	51	
13	Behavioural Neurology	0953-4180	0953-4180	\$39.72	5	2	1		2	5	
14	Biofactors	0951-6433	0951-6433	\$12.42	16	4	5		7	16	
15	Biological Chemistry	1437-4315	1431-6730	\$1.95	102	29	58		15	102	
16	Biological Therapies in Dentistry	1708-8194	0882-1852	\$198.65	1			1		1	
17	Biomedical Materials and Engineering	0959-2989	0959-2989	\$16.55	12	7	3		1	12	
18	Biorheology	0006-355X	0006-355X	\$19.87	10	2	5		1	10	
19	Bioscience	0006-3568	0006-3568	\$3.75	53	11	15		22	53	
20	Botanica Marina	1437-4323	0006-8055	\$22.07	9	2	6			9	
21	Brain Impairment		1443-9646	\$11.04	18	1	13		2	18	
22	Breast Disease	0888-6008	0888-6008	\$16.55	12		5		7	12	
23	British Journal of Clinical Psychology	0144-6657	0144-6657	\$9.93	20	3			1	20	
24	British Journal of Developmental Psychology	0261-510X	0261-510X	\$1.06	187	18	17		98	187	
25	British Journal of Educational Psychology	0007-0998	0007-0998	\$1.49	133	3	6		53	133	
26	British Journal of Health Psychology	1359-107X	1359-107X	\$7.09	28	2	4		16	28	
27	British Journal of Psychology	0007-1269	0007-1269	\$13.24	15	2	4		6	15	
28	British Journal of Social Psychology	0144-6665	0144-6665	\$2.04	97	11	7		57	97	
29	Cellular Oncology		1570-5870	\$24.83	8	5			3	8	
30	Chemical Engineering Research and Design	1744-3563	0263-8762	\$16.28	13	5	3		5	13	

The Excel spreadsheet also shows the file path "storestat38754/" and the status "Ready". The ERM software interface includes a menu bar (File, Edit, View, Go, Tools, Admin, Help) and a toolbar with various icons for file operations and navigation.

Examples –

Title	ISSN1	Online IS	2006 CPU	2006 Use	2006-Jan	2006-Feb	2006-Mar	2006-Apr	Totals
Aquatic Living Resources	1765-2952	0990-7440	\$11.04	18	11	7			18
Archiv für Geschichte der Philosophie	1613-0650	0003-9101	\$99.33	2					2
Art Design and Communication in Higher Education		1474-273X	\$49.66	4		3			4
Australian and New Zealand Journal of Audiology		0157-1532	\$24.83	8		3			8
Australian and New Zealand Journal of Criminology		0004-8658	\$11.04	18	3	4			18
Behaviour Change		0813-4839	\$3.90	51	13	6			51
Behavioural Neurology	0953-4180	0953-4180	\$39.72	5	2	1			5
Biofactors	0951-6433	0951-6433	\$12.42	16	4	5			16
Biological Chemistry	1437-4315	1431-6730	\$1.95	102	29	58			102
Biological Therapies in Dentistry	1708-8194	0882-1852	\$198.65	1			1		1
Biomedical Materials and Engineering	0959-2989	0959-2989	\$16.55	12	7	3	1	1	12
Biotheology	0006-356X	0006-356X	\$19.87	10	2	5	1	2	10
Bioscience	0006-3568	0006-3568	\$3.75	53	11	15	22	5	53
Botanica Marina	1437-4323	0006-8055	\$22.07	9	2	6		1	9
Brain Impairment		1443-9646	\$11.04	18	1	13	2	2	18
Breast Disease	0888-6008	0888-6008	\$16.55	12		5		7	12
British Journal of Clinical Psychology	0144-6657	0144-6657	\$9.93	20	3		1	16	20
British Journal of Developmental Psychology	0261-510X	0261-510X	\$1.06	187	18	17	98	54	187
British Journal of Educational Psychology	0007-0998	0007-0998	\$1.49	133	3	6	53	71	133
British Journal of Health Psychology	1359-107X	1359-107X	\$7.09	28	2	4	16	6	28
British Journal of Psychology	0007-1269	0007-1269	\$13.24	15	2	4	6	3	15
British Journal of Social Psychology	0144-6665	0144-6665	\$2.04	97	11	7	57	22	97
Cellular Oncology		1570-5870	\$24.83	8	5		3		8
Chemical Education Research and Design	1744-3662	0262-8762	\$16.28	13	5	2	5		13

Title-level Detail

Title	ISSN1	Online IS	2006 CPU	2006 Use	2006-Jan	2006-Feb	2006-Mar	2006-Apr	Totals
Bioscience	0006-3568	0006-3568	\$3.75	53	11	15	22	5	53

Number of Successful Full-Text Article Requests by Month and Journal									
Year-to-Date 2006 CPU: \$5.56									
Year-to-Date 2006 Cost: \$5,363.54									
Year-to-Date 2006 Usage: 963									

Resource-level Detail



Making it secure

- Follows Web Services conventions
- Levels
 - Secure
 - SSL
 - Trusted
 - Server can profile trusted clients
 - Clients must deliver known customer_ID

Putting it all together

□ Resources:

■ NISO

□ http://www.niso.org/committees/SUSHI/SUSHI_comm.html

■ SUSHI SC Project Site

□ <http://www.library.cornell.edu/cts/elicensesstudy/ermi2/sushi/>

■ COUNTER Schema

□ <http://www.niso.org/committees/SUSHI/counter.xsd>

■ SUSHI Protocol Schema

□ <http://www.niso.org/committees/SUSHI/sushi.xsd>

■ SUSHI Protocol WSDL

□ <http://www.niso.org/committees/SUSHI/sushi-ws.wsdl>

■ EBSCO Framework SDK

□ <http://partnerportal.ebsco.com/ws/sushi/service.asmx>

■ Swets Java Starter Kit

□ <http://sushi.swetswise.com/>



The Future

- Near Future
 - Draft Standard for Trial Use published by NISO
 - Testing among systems developers
 - Comments and NISO Voting
 - Standard published by NISO
- Future
 - Other COUNTER Reports
 - Beyond JR1
 - Beyond COUNTER
 - Other title-level metadata
 - Impact factor
 - Coverage

The Future

- Webinars
 - NISO -- SUSHI Webinars Part III
 - For systems analysts, product managers, software engineers (Date to be determined)

Q&A

If your question to the panelists has not been addressed at the conclusion of the session, you may email panelists directly:

For questions on integration with ERM, contact Ted Fons: tfons@iii.com

For protocol questions, contact Oliver Pesch: opesch@web.ebsco.com

For more information, visit www.niso.org/committees/SUSHI/SUSHI_story.html

Thank you for your interest in SUSHI! Plan to attend the **SUSHI Tutorial**, a featured part of the NISO Workshop on Managing Electronic Collections, September 28-30, 2006 in Denver.

For further information about the workshop contact Maryann Karinch: maryann@karinch.com Registration is open now!



Oliver Pesch

EBSCO

As chief strategist for E-Resources, Oliver Pesch oversees the technical direction for EBSCO's Electronic Journals Service (EJS), A-to-Z and LinkSource products.

He serves on NISO's committee on Library Statistics and Project COUNTER's Executive Committee, and is co-chair of the SUSHI working group and serves on NISO's board of directors. Oliver has been developing information products for EBSCO for nearly 20 years and has a broad understanding of the needs of the library community. Currently, he is very involved with e-journals and the challenges they bring for activation, access and management.



Ted Fons

Innovative Interfaces



Theodore A. Fons is the Senior Product Manager at Innovative Interfaces. He currently is managing Innovative's Acquisitions and Serials and WebBridge products. His latest efforts are in the design and development of Innovative's Electronic Resource Management module. Ted has been with Innovative since 1996. Before coming to Innovative he worked in acquisitions, cataloging and reference in academic libraries. He received his MLS degree from Syracuse University.

ABOUT NISO

NISO fosters the development and maintenance of standards that facilitate the creation, persistent management, and effective interchange of information so that it can be trusted for use in research and learning.

To fulfill this mission, NISO works with intersecting communities of interest and across the entire life cycle of an information standard. NISO is a not-for-profit association accredited by the American National Standards Institute (ANSI).

Pat Stevens, Interim Executive Director

1-301-654-2512

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Please take the survey at the conclusion of the webinar.

