

XML

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„ DBMS, XML,

(Paul Brown)
Chief Plumber

CTO(Chief Technology Office) (Paul Brown)
'Chief Plumber' . DBMS Postgres UC
(UC Berkeley) ORDBMS
(Illustra) . "Object-Relational DBMS: Tracking the
Next Great Wave" "Developing Object-Relational Database Application"

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IT 가

XML
XML

XML
DBMS

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DBMS

, *Java, XML*

DBMS

DBMS

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가 DBMS

, INTEGER, VARCHAR, DECIMAL, FLOAT BLOB

Java

{120F, 41C, 304K},

{85Kg, 180LB},

(atomic)

ORDBMS

가

B2B

. ORDBMS

```

CREATE TABLE Perishable Food(
What    Food_Type    NOT NULL,
Where   Geo_Point    NOT NULL,
Available Period    NOT NULL,
);

CREATE TABLE FreightSpace (
From_To Geo_Path NOT NULL,
When    Period    NOT NULL,
Capacity Mass     NOT NULL,
Space   Vollume   NOT NULL,
Goods   SET(Packages NOT NULL)
);

SELECT F.From_To, F.When
FROM   Freight_Spaces F, Perishable_Food P
WHERE  Geo_Within    (Circle(P.Where, '10 Miles'), From(F.From_To) )
AND    Time_Within   (F.Available, Start(P.When) )
AND    Has_Space_For (P.What, F.Capacity, F.Space, F.Goods);

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XML 가

XML

XML

DBMS

B2B

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<pre> <goods> <food_item> <fodd_type> <name>Apples</name> <mass unit= "Kg">12</mass> <space unit= "M">1x1x1</space> <store unit= "C">12</store> </food_type> <loc> (2.371, 48.937) </loc> <available> <from> 05/02/2000</from> <to> 10/02/2000 </to> </available> </food_item> <food_item> etc </food_item> </goods> </pre>	<pre> <freight_spaces> <transport> <trip> (2.371, 48.937. 4.01, 49.24) </trip> </when> <from>05/02/2000</from> <to>06/02/2000</to> </when> <cap units= "T"> 1.5 </cap> <vol units= "M"> 3x3x2 </vol> <goods> <item>Wine <mass units= "Kg"> 175</mass> <space unit= "M"> .5x.5x.5</space> <store unit= "C"> 20 </store> </item> <item> etc </item> </goods> </transport> </freight_spaces> </pre>
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XML

XML

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Sheet) XML DTD (Style
) 1 2 (가)
) 1 (가)

XML ASCII XML
 가 XML

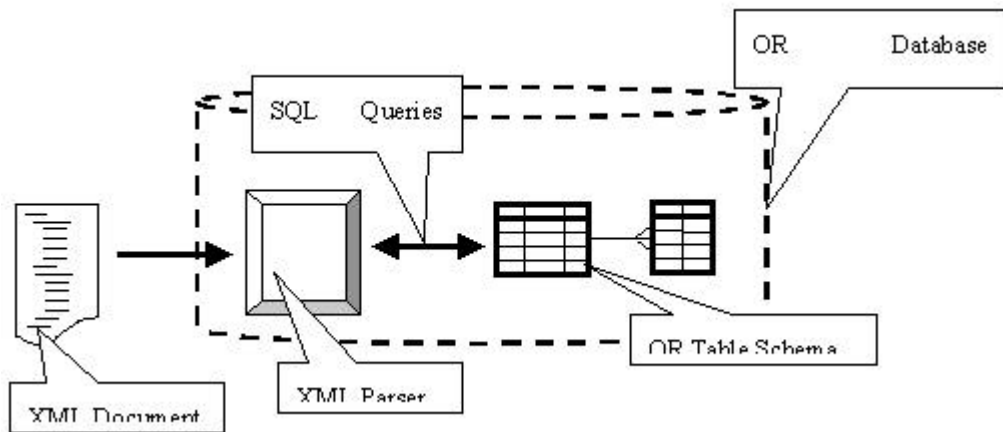
가
 Java
 DBMS Java 가 DBMS
 Java XML

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DBMS

ORDBMS

DBMS



< 3> XML ORDBMS

ORDBMS XML

XML

XSL

XML

~~DTD~~ DTD

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structured)

(semi-

ORDBMS

XML

SGML

XML SGML

HTML

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DBMS

SQL

HTML

XML

ORDBMS

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XML

XML

XML

XML

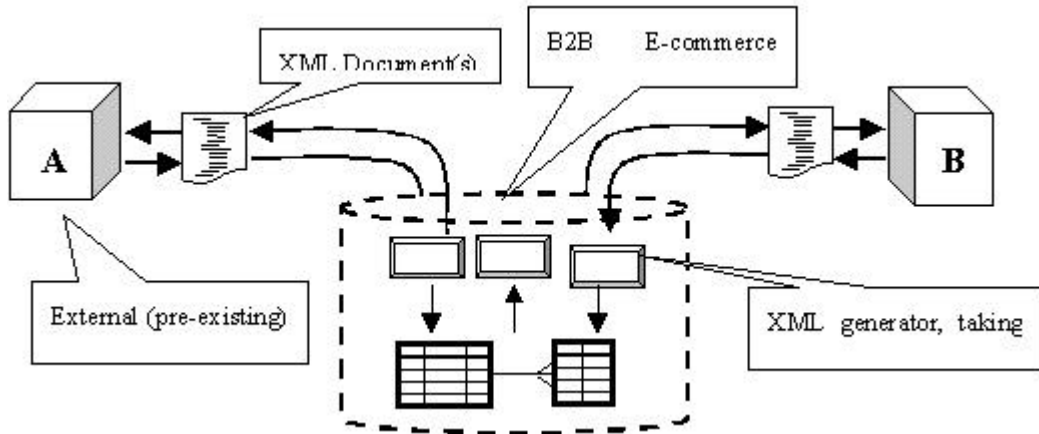
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B2B

(XML

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XML



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XML/ORDBMS

B2B

XSL, XML,

XML

XML

XML

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XML 가

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