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e-Biz Component from UML, EJB & CORBA

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1



Agenda

- *Modeling S/W Components*
- *Methods of how to implement a Component*
- *History of Web Computing*
- *e-Biz. Frame work using EJB*
- *Legacy Integration*

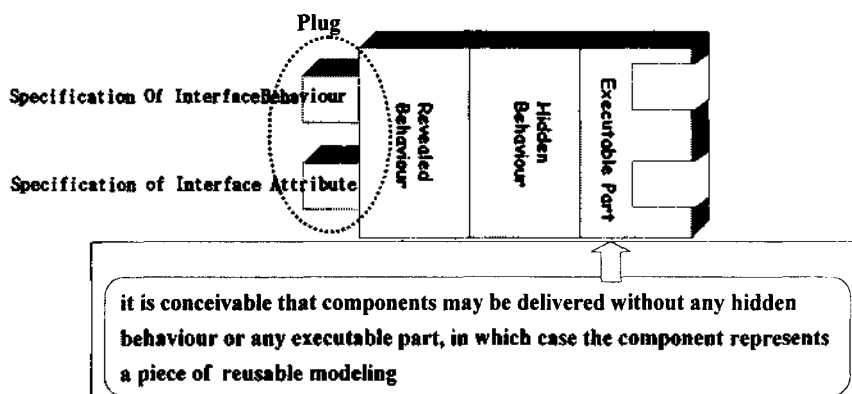


Modeling S/W Components

- *Simple components*
- *Component assembly-plugging*
- *Processes & Methodologies*

Simple components

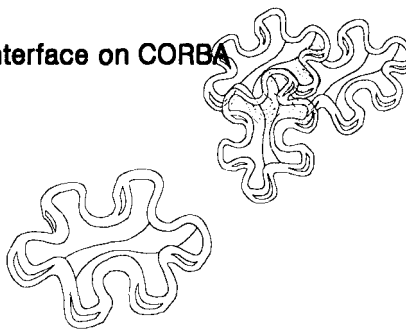
; frameworks of classes which can be used to construct object configuration. It is not (necessarily) single object or even single classes of objects



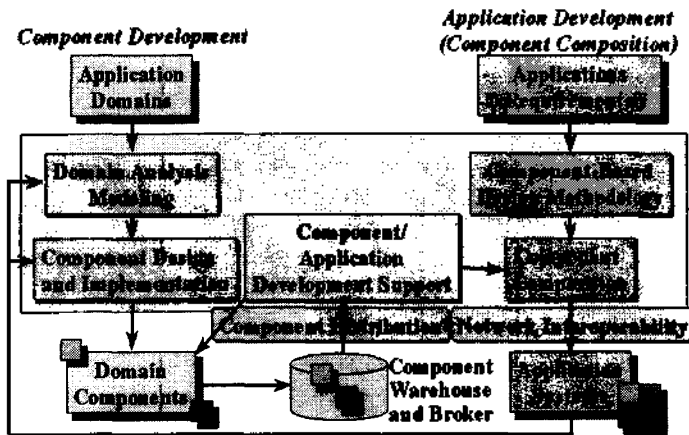
Component assembly-plugging

; combines component into larger deployable application units.

- ↓ DLL / OLE on MS platform
- ↓ Beans with XML on EJB
- ↓ Servants with IDL interface on CORBA



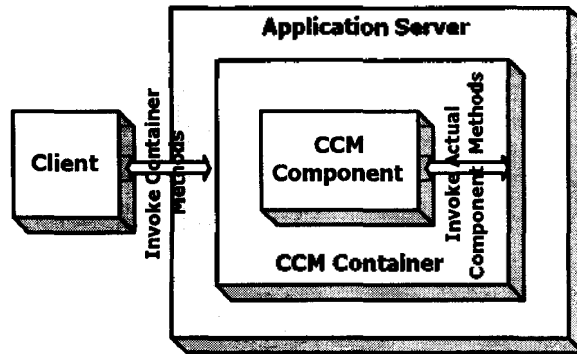
Processes & Methodologies



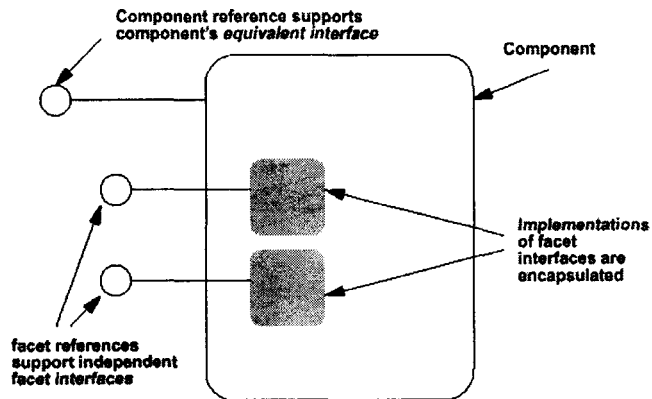
Methods of how to implement a Component

- CORBA Component Model
- EJB & J2EE

CORBA Component Model

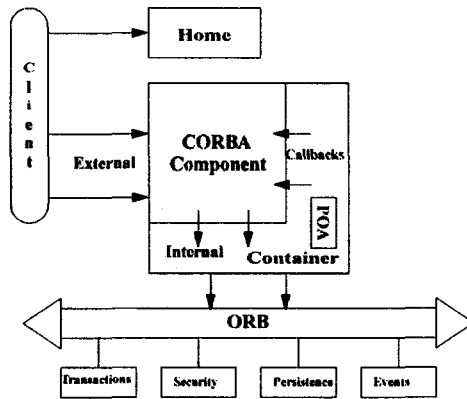


CORBA Component Model cont.,



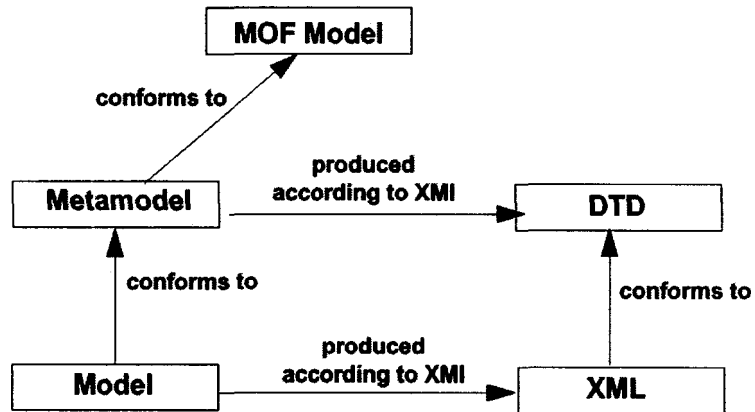
Component Interface and Facets

CORBA Component Model cont.,



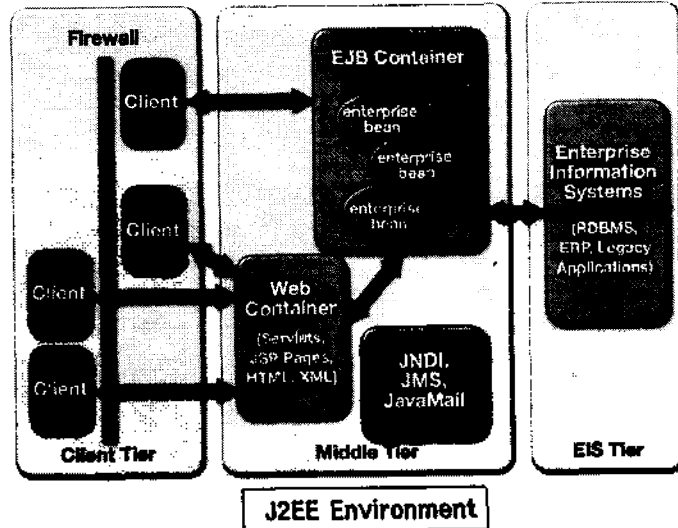
The Architecture of the Container Programming Model

CORBA Component Model cont.,

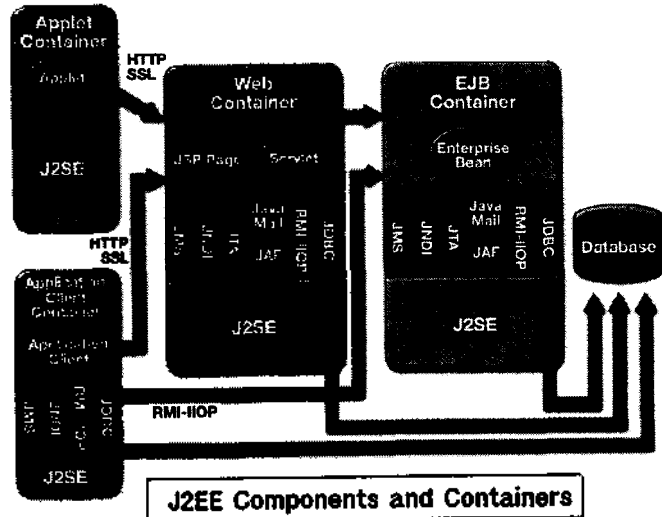


Production of Metamodel DTD and Model Streams

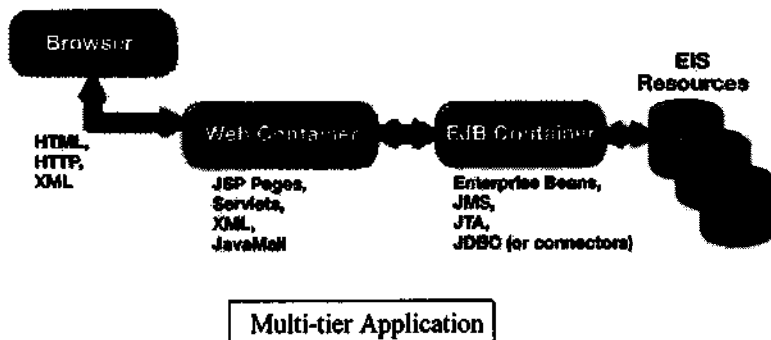
EJB & J2EE



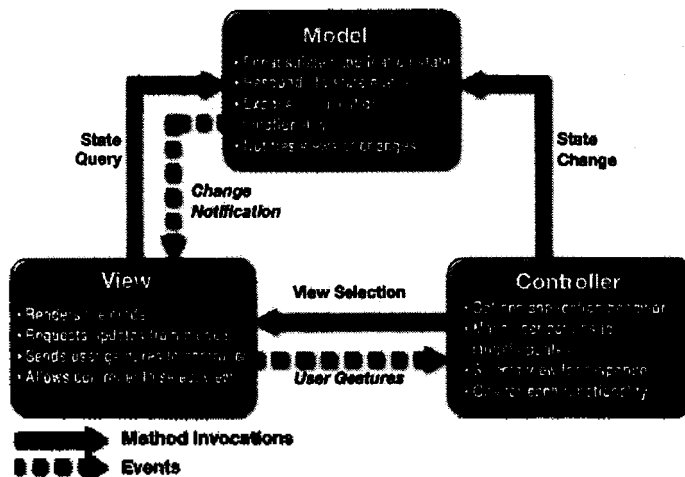
EJB & J2EE cont.,



EJB & J2EE cont.,



EJB & J2EE cont.,

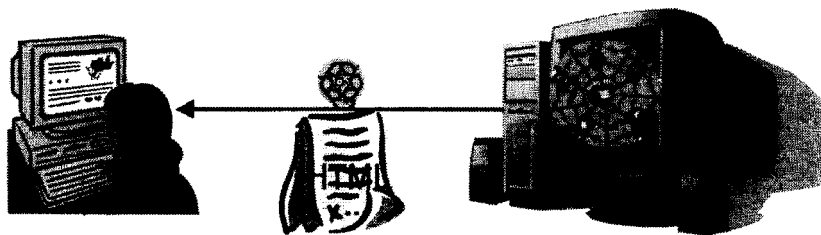


Relationships Between MVC Participants

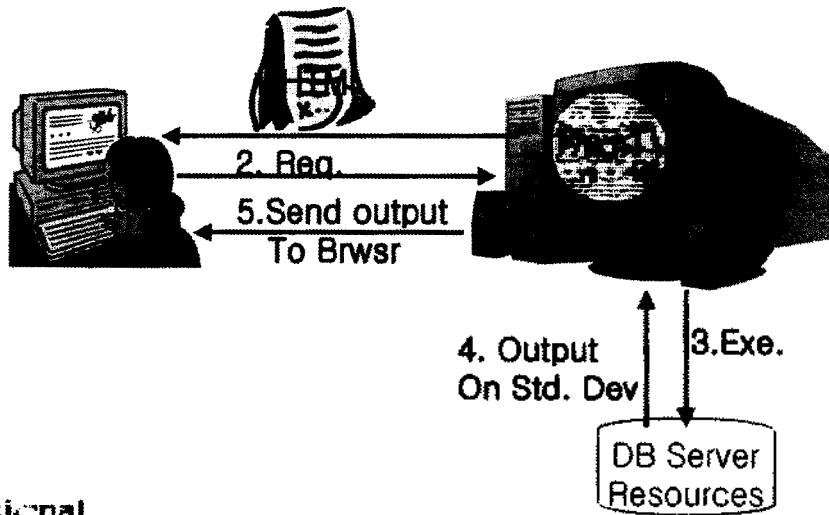
History of Web Computing

- *Only HTML*
- *HTML with CGI / Script*
- *Orblet*
- *WAS(Web Application Server)*

Only HTML

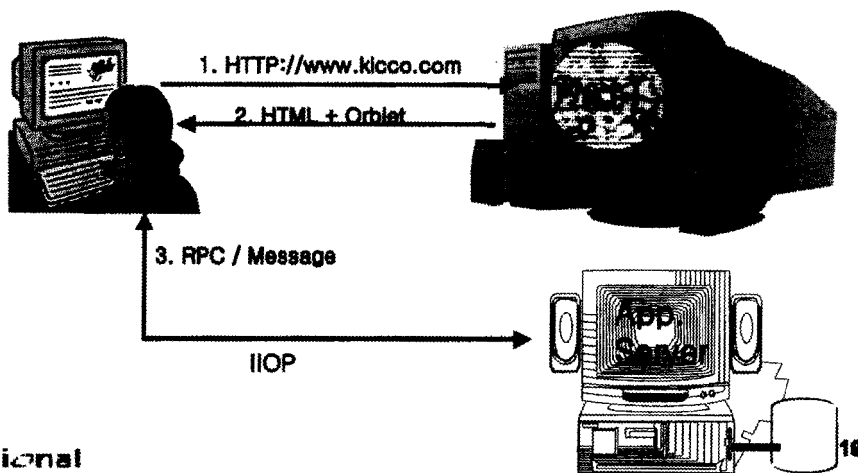


HTML with CGI / Script

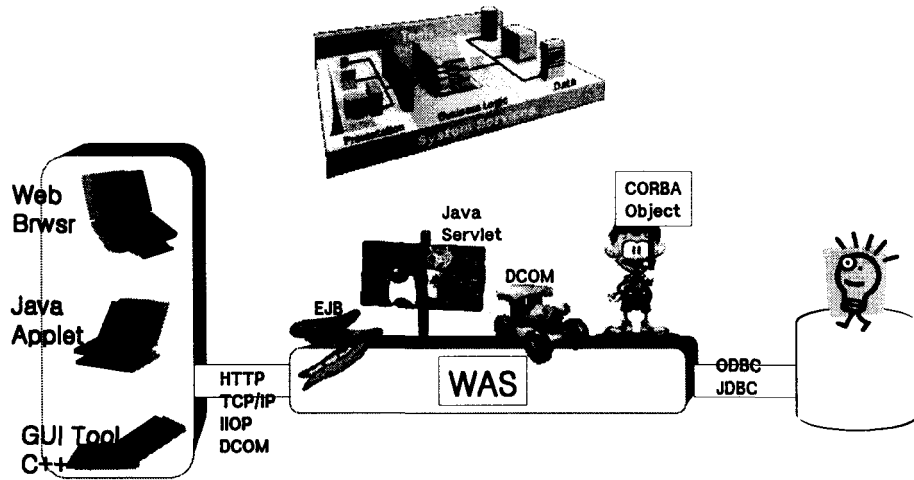


Orblet

: Applet + ORB runtime



WAS(Web Application Server)

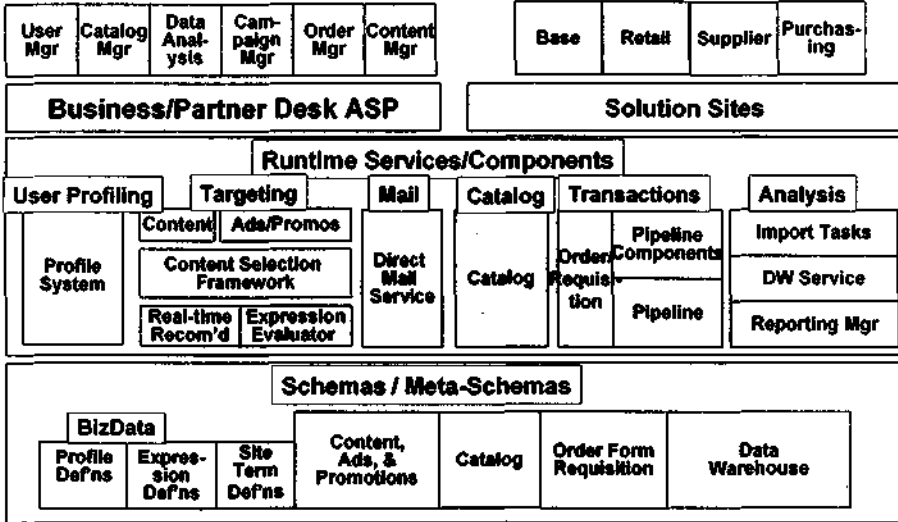


e-Biz. Frame work using EJB

- e-Biz. Architecture
- UML Biz Modeling using Rational Rose & RUP
- How to Implement Biz Model using EJB
- How to Implement Biz Model using CORBA



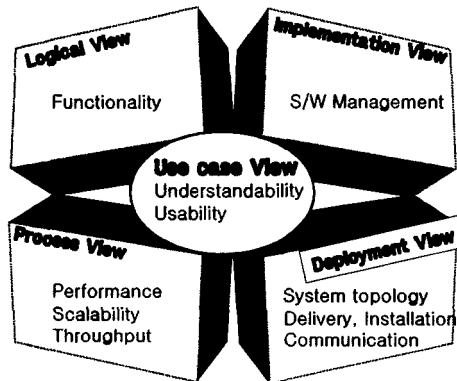
e-Biz. Architecture



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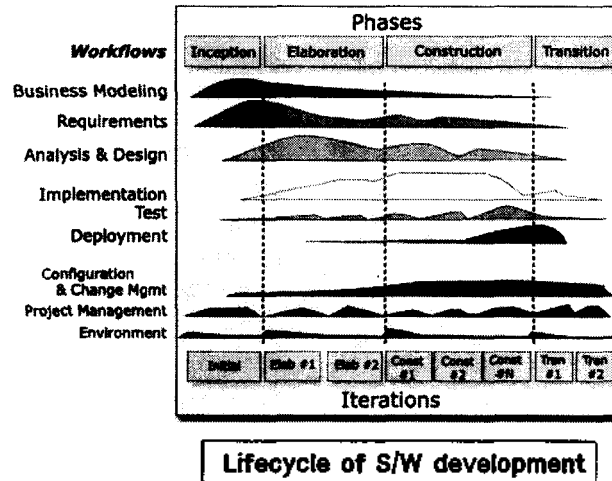
UML Biz Modeling using Rational Rose & RUP



4 + 1 View of UML

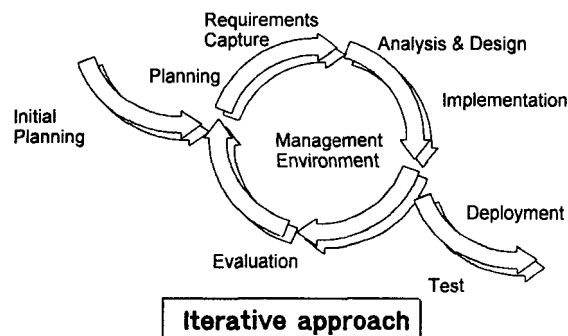
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UML Biz Modeling using Rational Rose & RUP cont.,

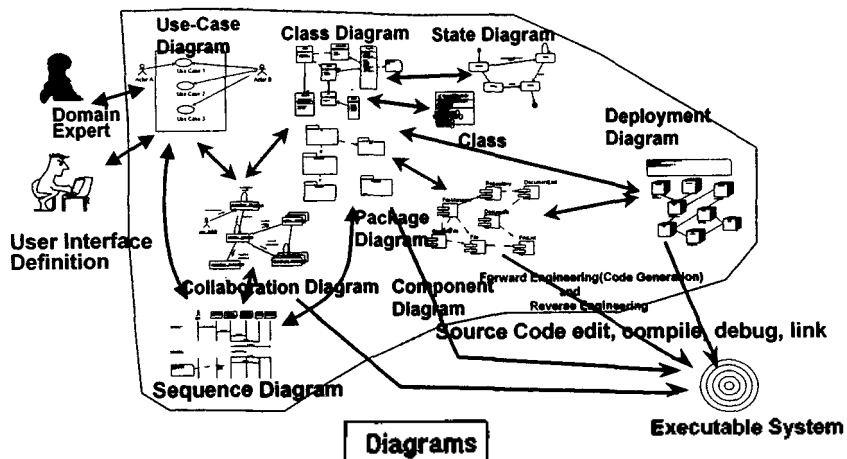


UML Biz Modeling using Rational Rose & RUP cont.,

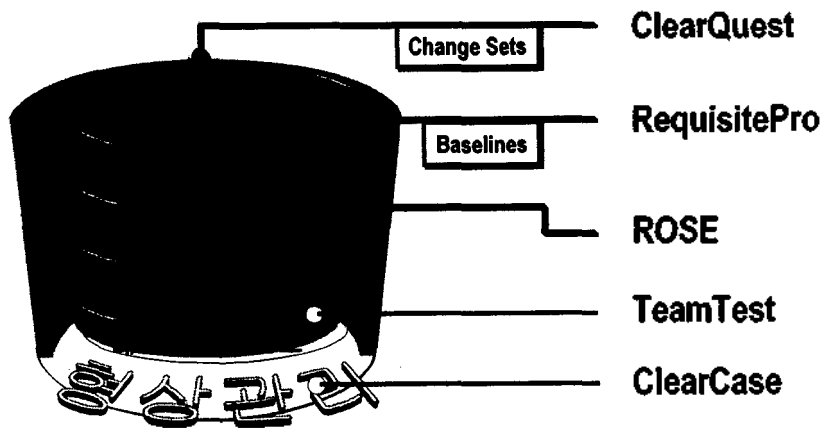
- > Attack risks through demonstrable progress
 - > Progress measured in products, not documentation or engineering estimates
- > Continuous integration
- > Frequent, executable releases
- > Continuous end user involvement



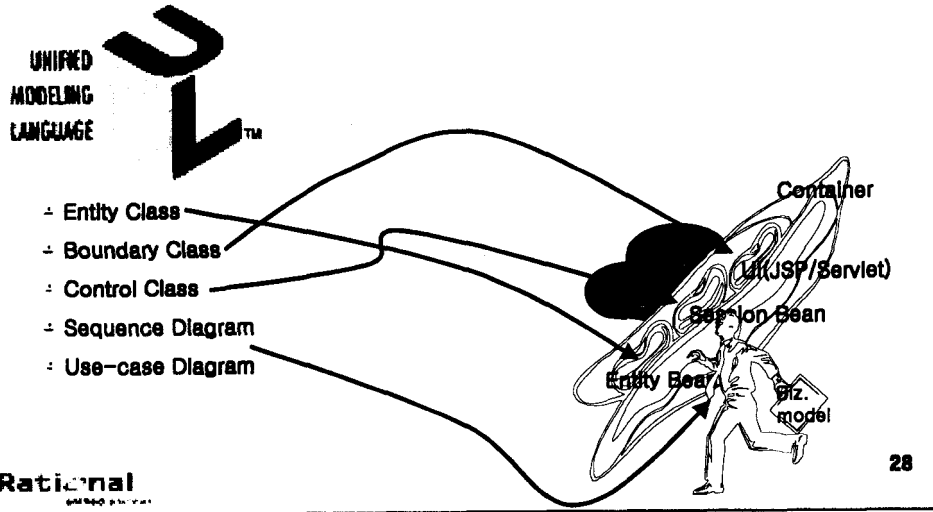
UML Biz Modeling using Rational Rose & RUP cont.,



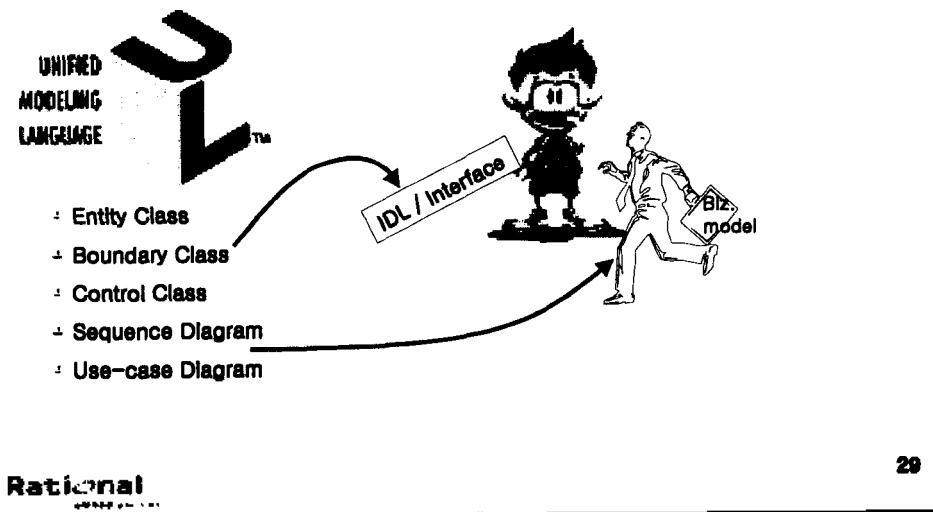
UML Biz Modeling using Rational Rose & RUP cont.,



How to Implement Biz Model using EJB



How to Implement Biz Model using CORBA





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Legacy Integration

	IDL mapped Language (C++/Java/SmallTalk/Ada/COBOL)	IDL unmapped Language (C/FORTRAN)
Source Code	Use IDL directly	Use IDL indirectly as wrapper
Object Code	Use IDL class as caller	Use IDL class with some raw coding
Executable Code	It's up to you !!	

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30



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