



Rational Technical

2005

# Introduction to J2EE Application Development Using Rational Application Developer for WS Ver 6.0

**Rational** software

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- Introduction
- IBM Software Development Platform
- Rational Tools Family
- Making Application Development easier
- RAD benefits and values



# *Imperatives in Today's World*

가

**Business**

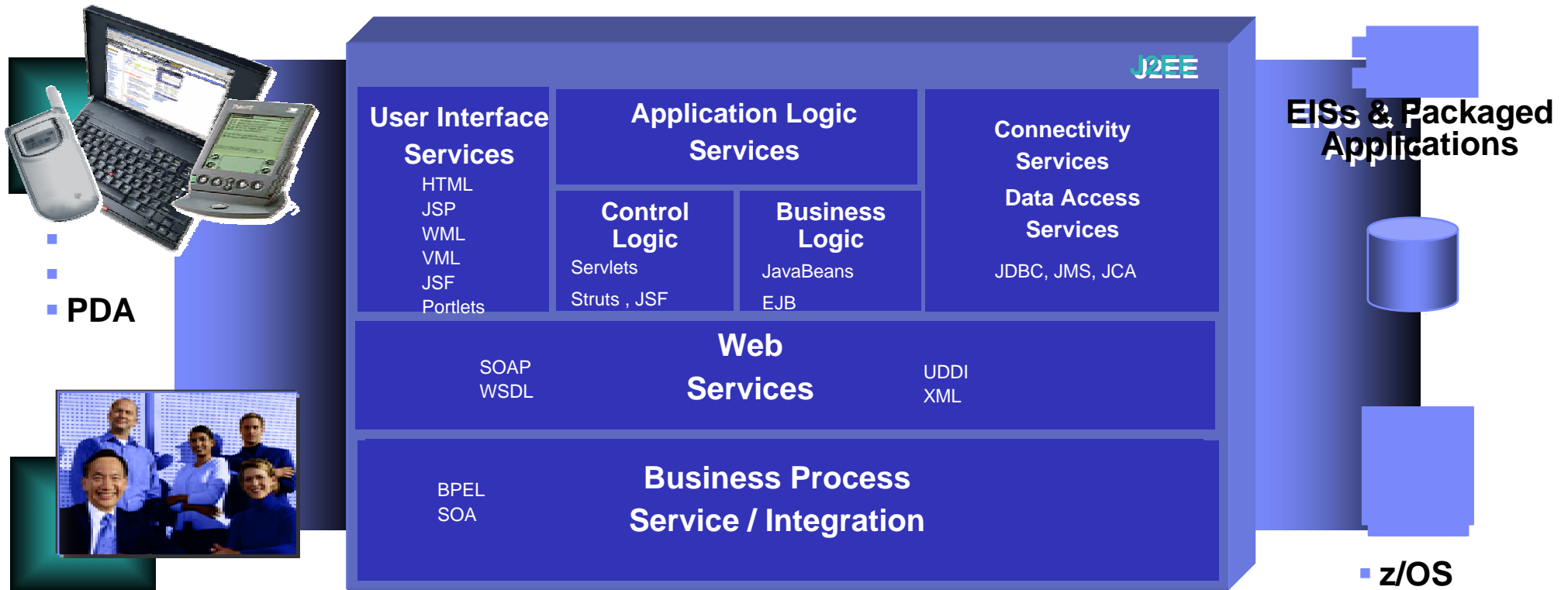


**IT**





# e-Business

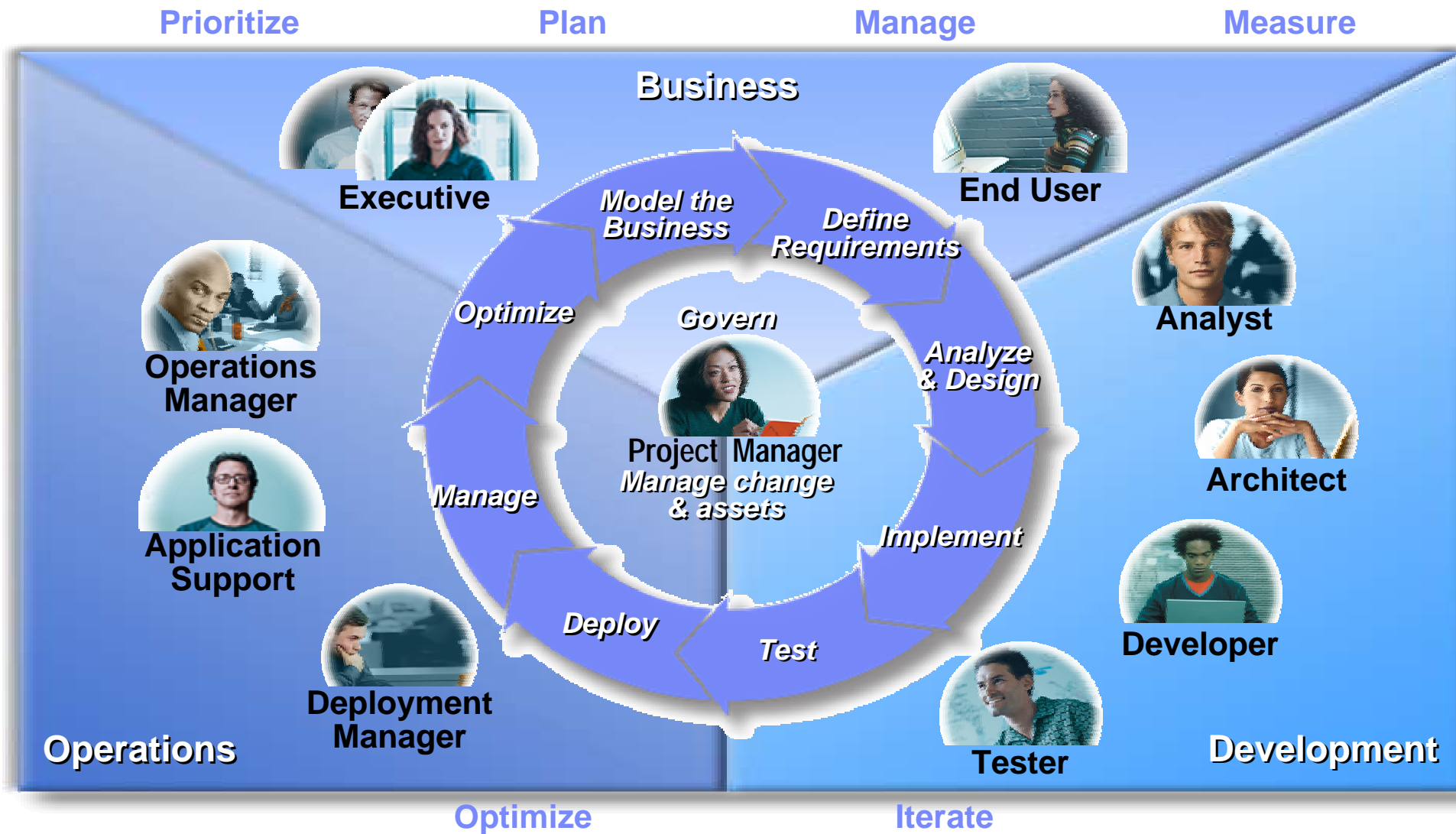


■ PDA

- z/OS
- COBOL
- PL/I
- 4GL

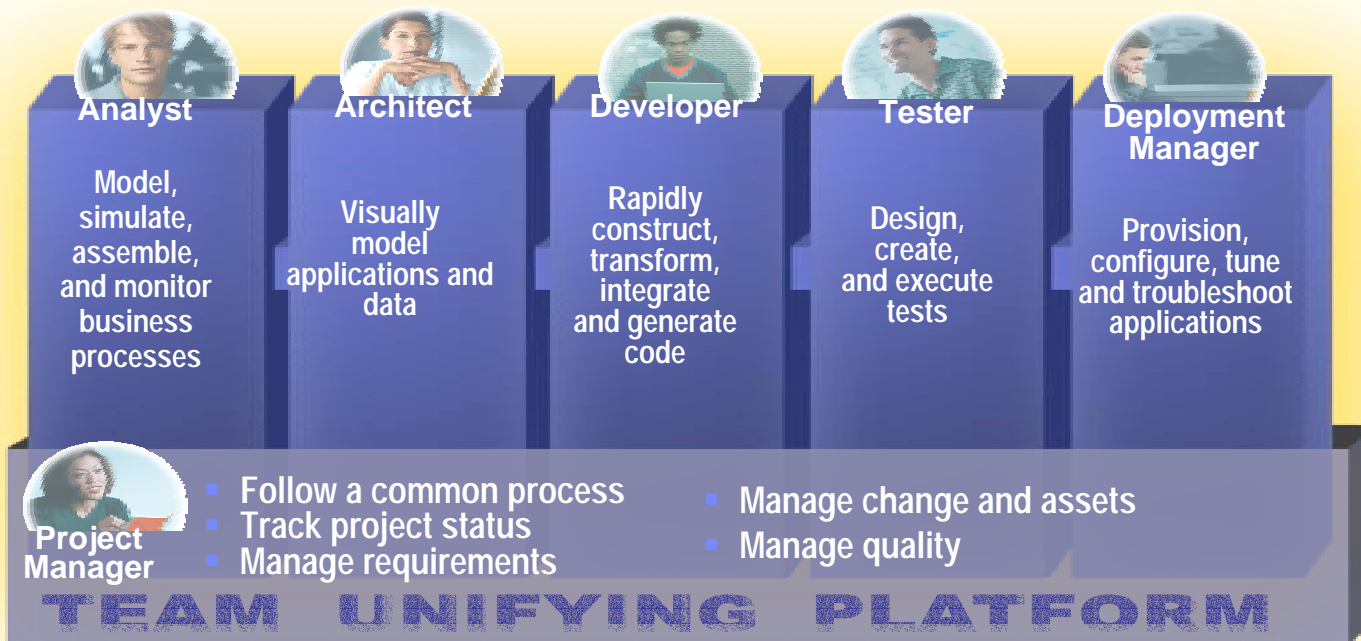
*Open, Flexible, Portable*  
*Secure, Scalable, Reliable/Stable, Multiplatform,*  
*Object-Oriented*

*(business-driven)*



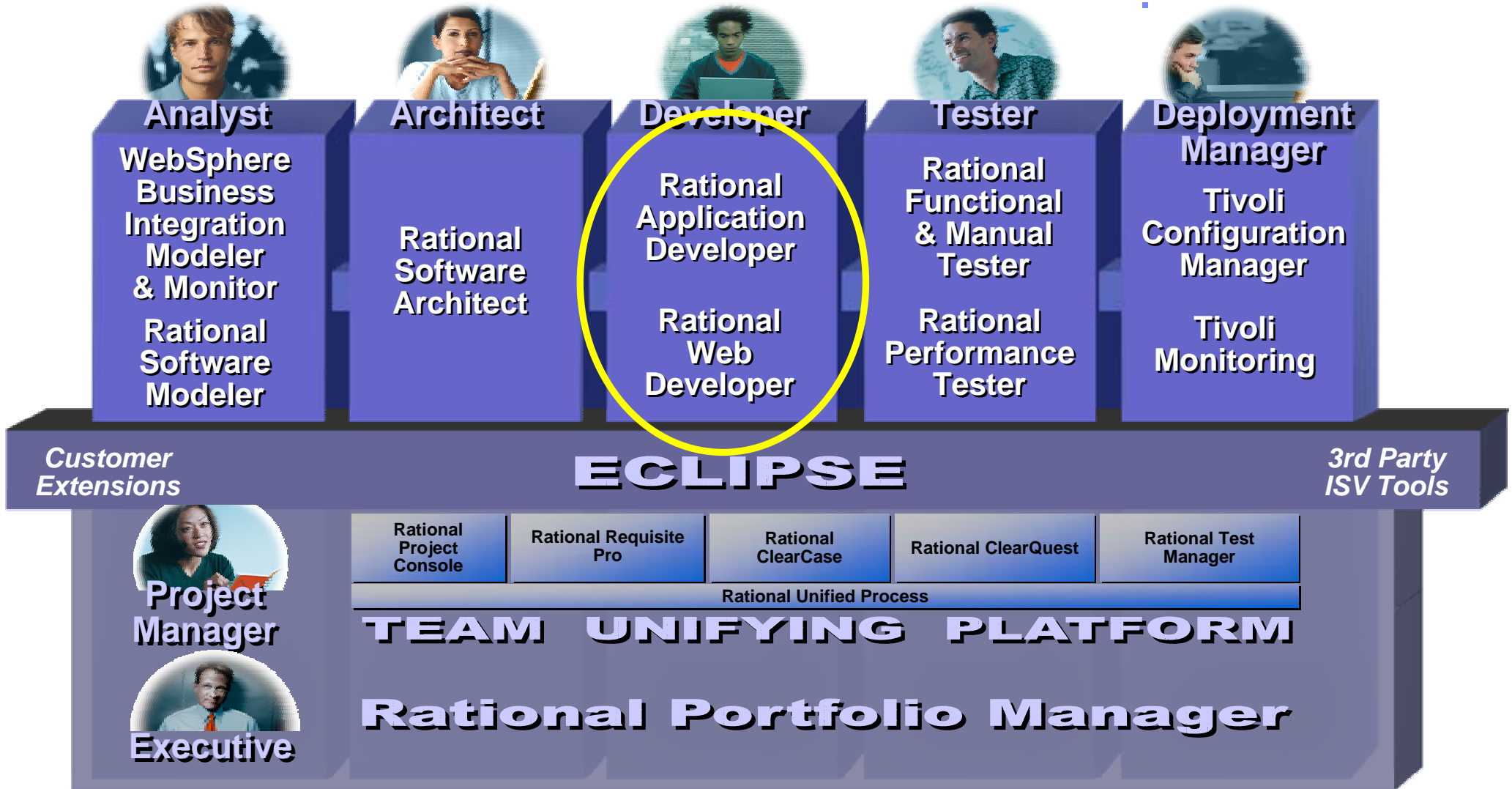
# The IBM Software Development Platform

## Four Imperatives for Success



**TEAM UNIFYING PLATFORM**

# The IBM Software Development Platform









## Challenges

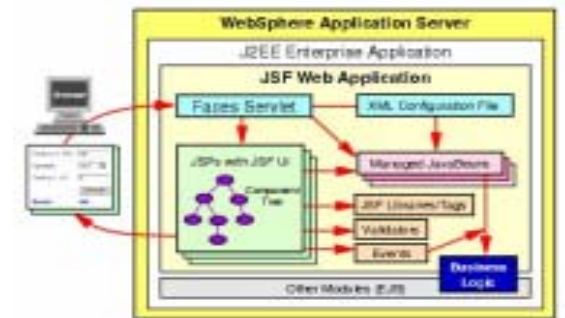
1. , 가
2. 가
- 3.

## Solutions

1. : 가
2. .
3. .



- 
- 
- 
- ▶ HTML, JSP, XML, etc.
- Servlet , 가
- ▶ , Servlet API .
- (connectivity)
- ▶ JDBC



## *RWD(Rational Web Developer)*

- 가
  - ▶ HTML
  - ▶
  - ▶ JDBC
  - ▶ Servlet
  - ▶ Java
  - ▶

EGL



- : 가
- : 가
- API ,
- 
- /
- /



## *RAD (Rational Application Developer)*

- - ▶ (Portlet)
  - ▶
  - ▶ /
  - ▶ UI
  - ▶ (Click to Action portlet-to-portlet information sharing)
  - ▶



# UI

- Java Server Faces

- ▶ MVC<sup>2</sup>

- ,
    - 
    -

- ▶ Rich UI Components

- JSP

- 가 HTML

- 

- 

UI

UI

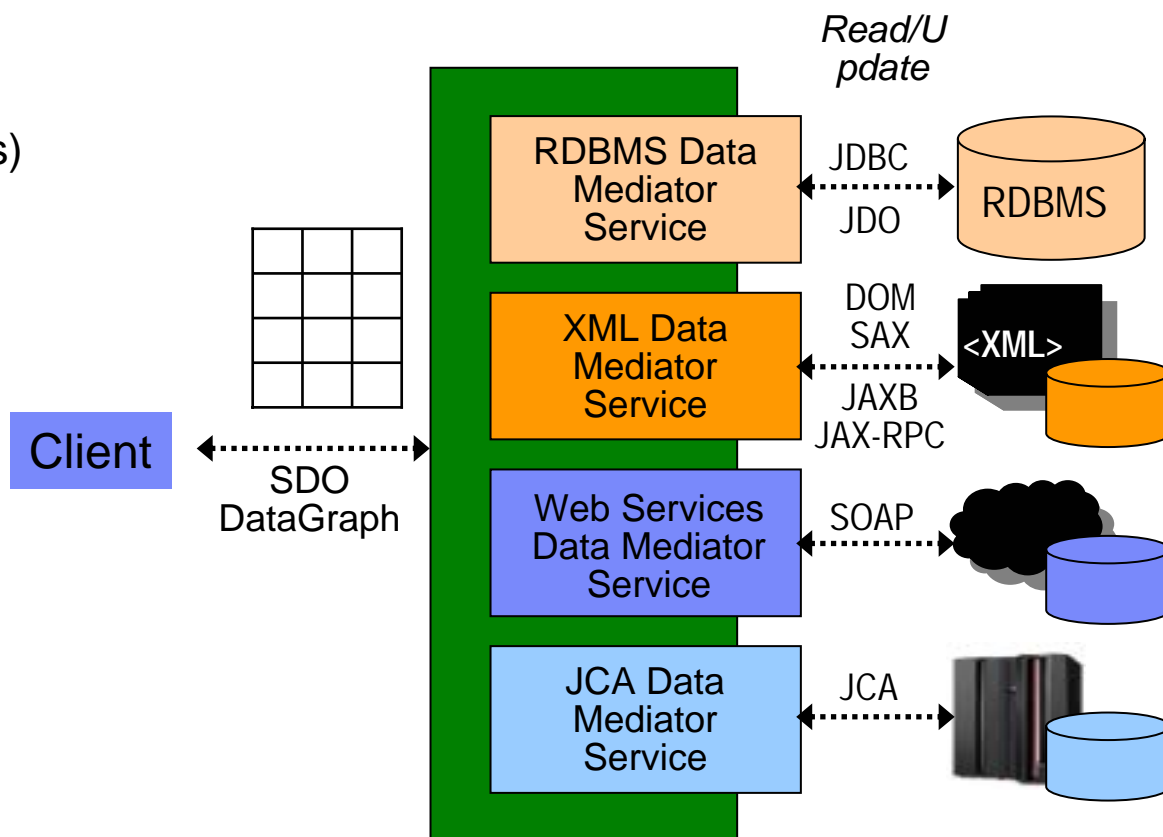
가



Emerging Standard

- 
- 
- 
- 
- 
- 

(Heterogeneous)  
/ API  
(Disconnected)





# Rational Web Developer – RAD for Web Developers

- - ▶ , , (CSS) , , Fragments
  - ▶ Drag & Drop /
  - ▶ Point & Click
  - ▶ Event-driven
- , UI
  - ▶ JSF(JavaServer Faces), Struts, HTML Faces
  - ▶ Java SWING, AWT, SWT
- 
- ▶
- Business-Oriented
  - ▶ non-Java 가
- XML
- (Learning Curves)



# Rational Application Developer – Advanced RAD

- J2EE
  - ▶ J2EE
- - ▶
  - ▶
  - ▶
- ,
  - ▶ /
- - ▶
  - ▶
  - ▶
- - ▶ J2EE RUP Configuration
- - ▶ Crystal Report
  - ▶
  - ▶ Embedded



# Rational Application Developer – Benefits

- - ▶
  - ▶ Tutorials
  - ▶ Eclipse 3.0
- - ▶ Application
  - ▶ (Open) Multi-tier J2EE
- - ▶
  - ▶
- TCO (Total Cost of Ownership)
  - ▶ IBM Rational Software Development Platform ,
  - ▶ 가
  - ▶



# Rational

- - ▶ Workbench
  - ▶ Built-in
  - ▶
  - ▶
  - ▶
- - ▶
  - ▶
  - ▶
  - ▶
- 가
  - ▶ e-business
- - ▶
  - ▶
  - ▶ 가

