



Themabijeenkomst 17 april 2003

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ORACLE



INTEGRATION!

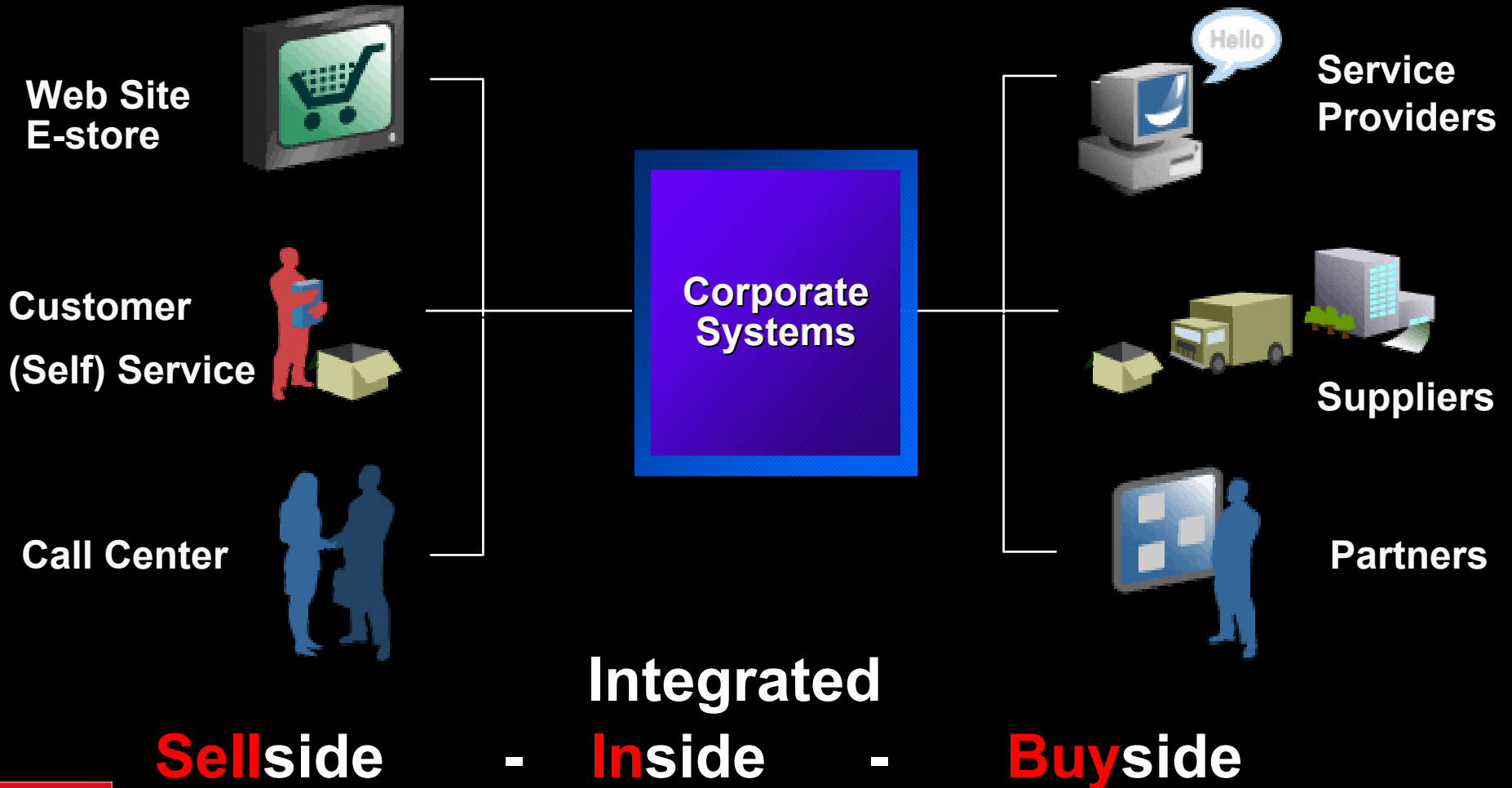
OGh

ORACLE®

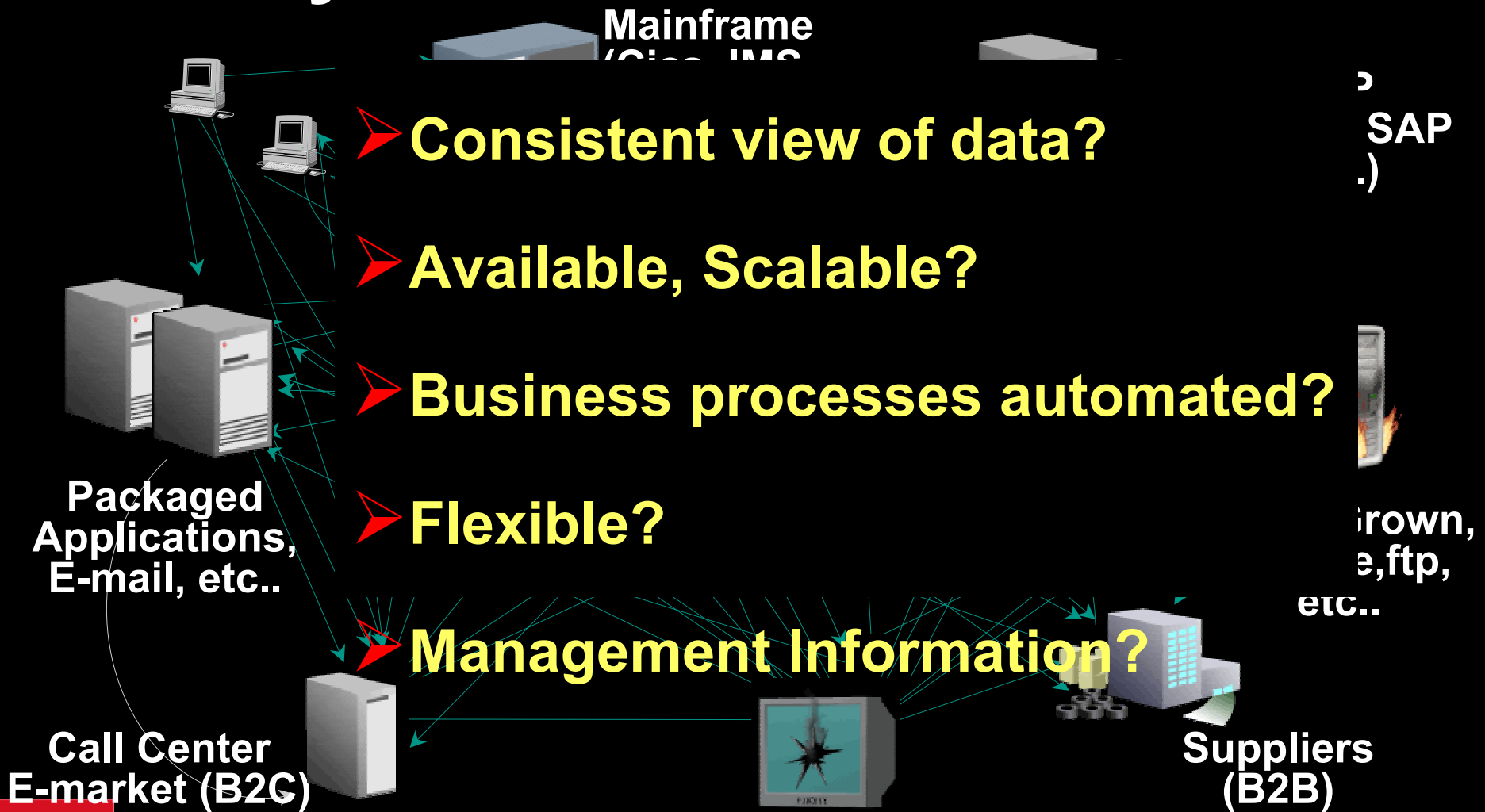
Agenda

- Waarom integratie
- Diverse vormen van integratie
- Oracle9iAS Interconnect
- Huidige klanten
- Klant case (Door Transfer Solutions)
- Nieuwe functionaliteit in 9.0.4
- Q & A
- Demo's

Ideal situation?

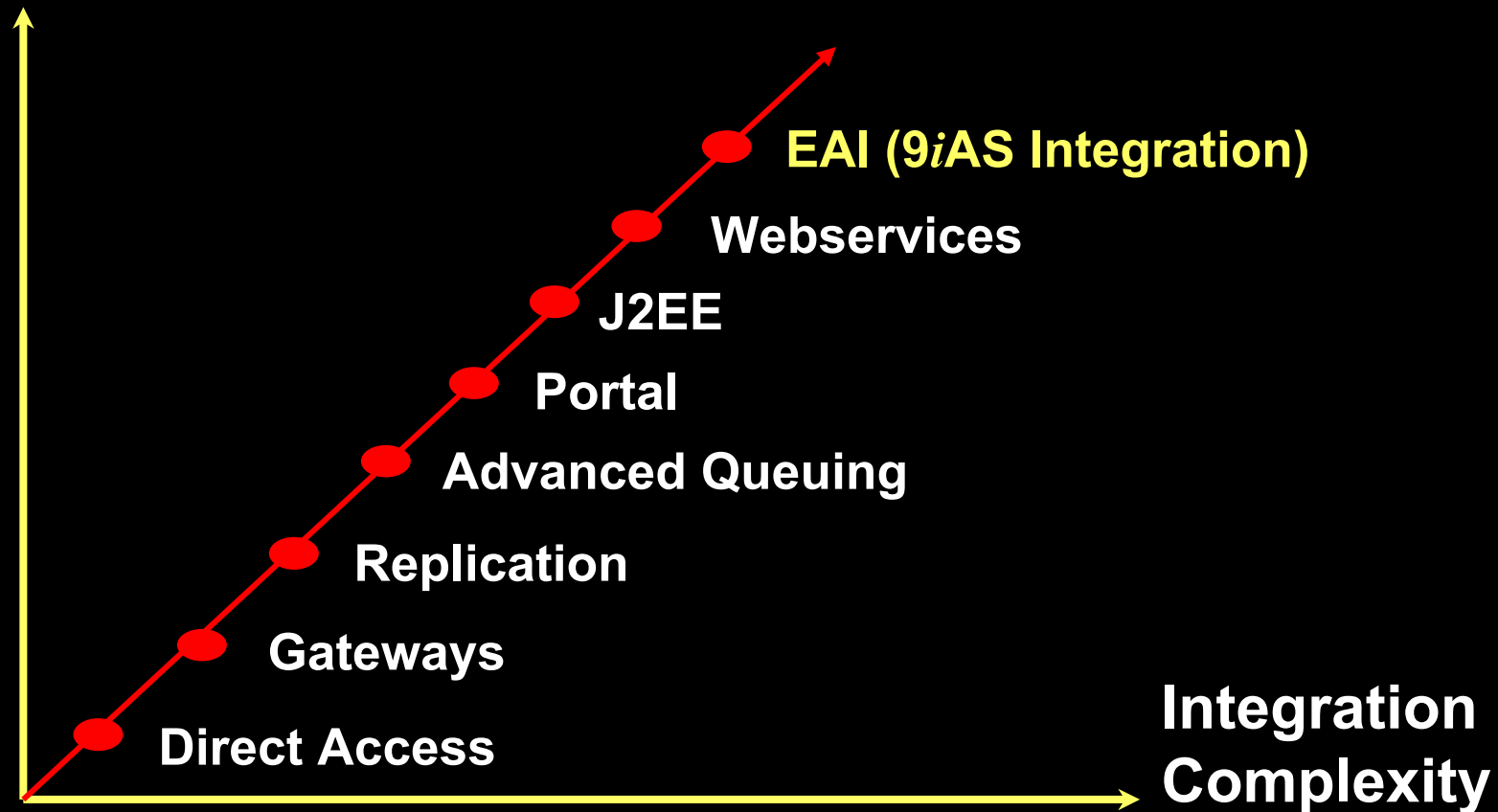


Reality?

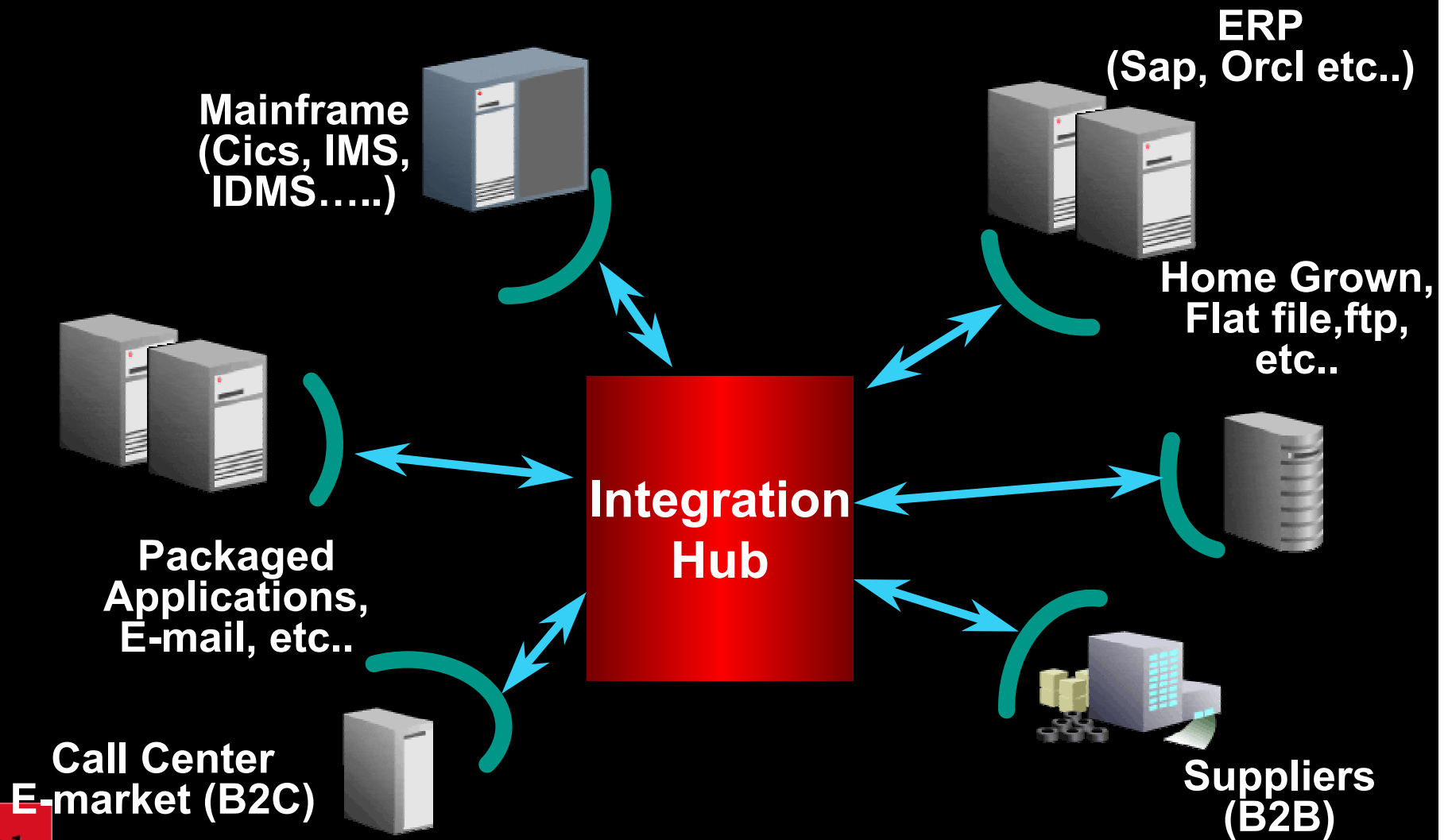


Oracle Integration Spectrum

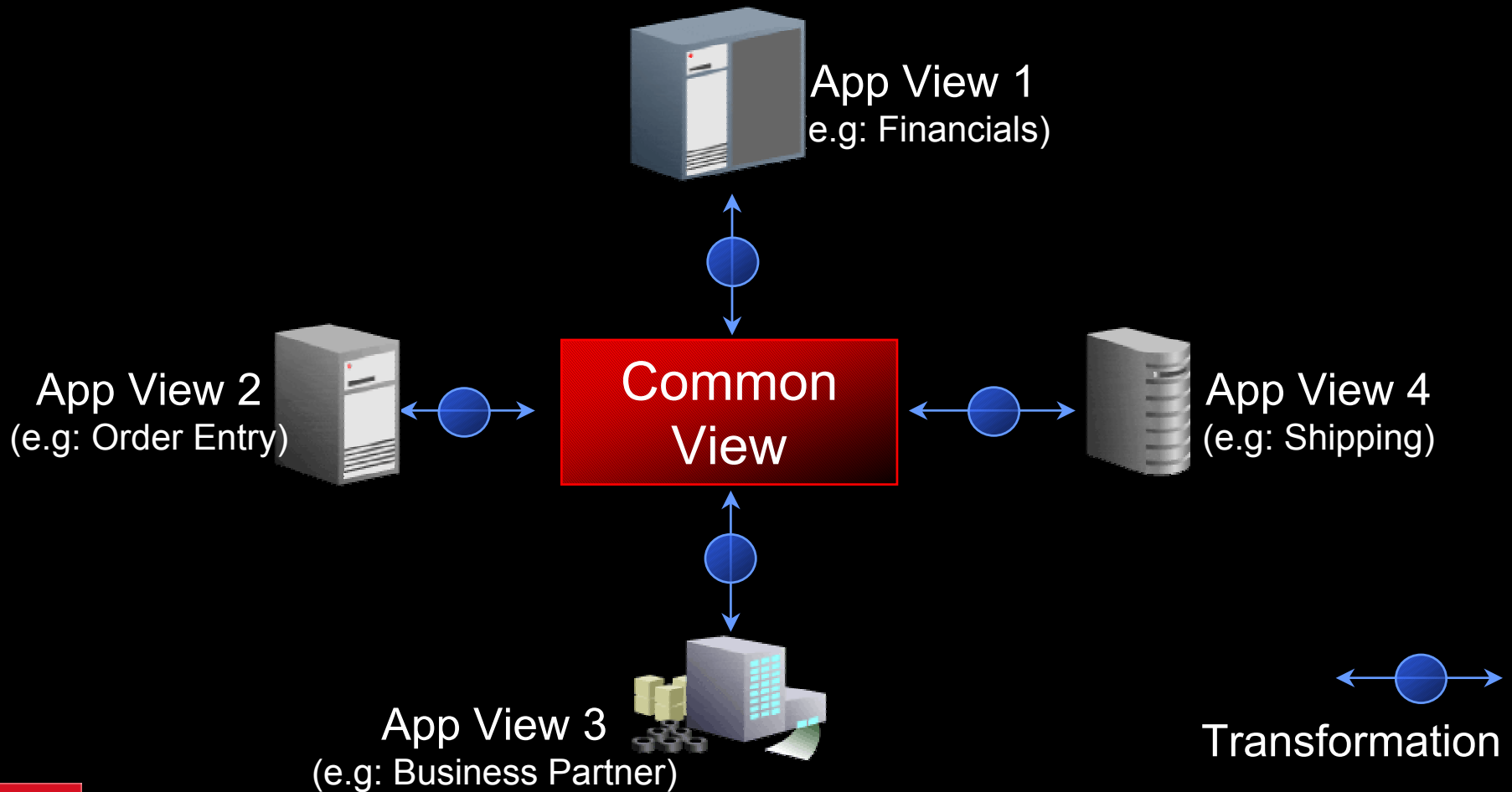
Business Value



Oracle's approach: Hub&Spoke



Methodology - Hub & Spoke



A2A Process



Application



Integration
Hub



Application

Application View

```
OrderID = <nr>
Amount = <nr>
FirstName = <chr>
LastName = <chr>
Street = <chr>
Nr = <nr>
```



Common View

```
OrderID = <nr>
Amount = <nr>
FirstName = <chr>
LastName = <chr>
Address = <chr>, <nr>
```

A2A Process



Common View

```
OrderID = <nr>  
Amount = <nr>  
FirstName = <chr>  
LastName = <chr>  
Address = <chr>, <nr>
```

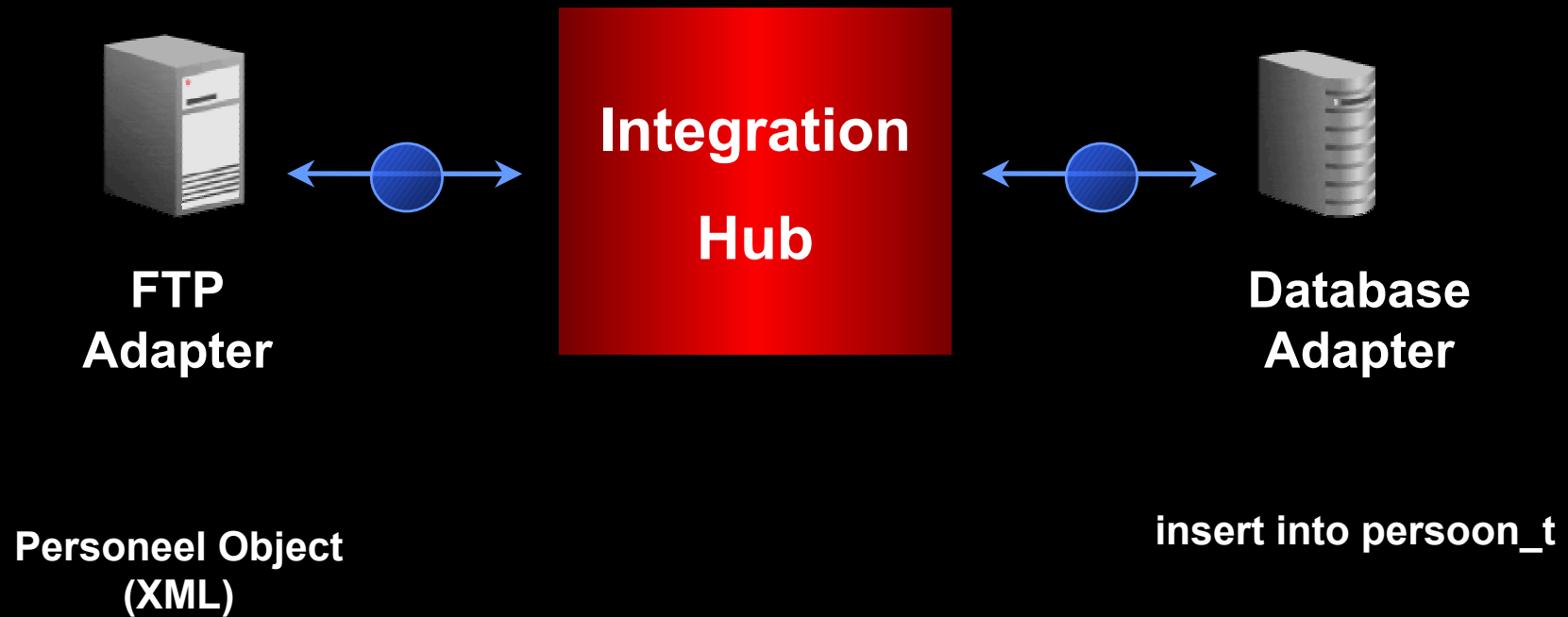
Application View

```
OrderID = <nr>  
Amount = <nr>  
Name = <chr>, <chr>  
Address = <chr>, <nr>
```



DEMO

Insert Personeel



Business Object = Personeel
Event = Add_Personeel

Required components

Message Queuing and Distribution

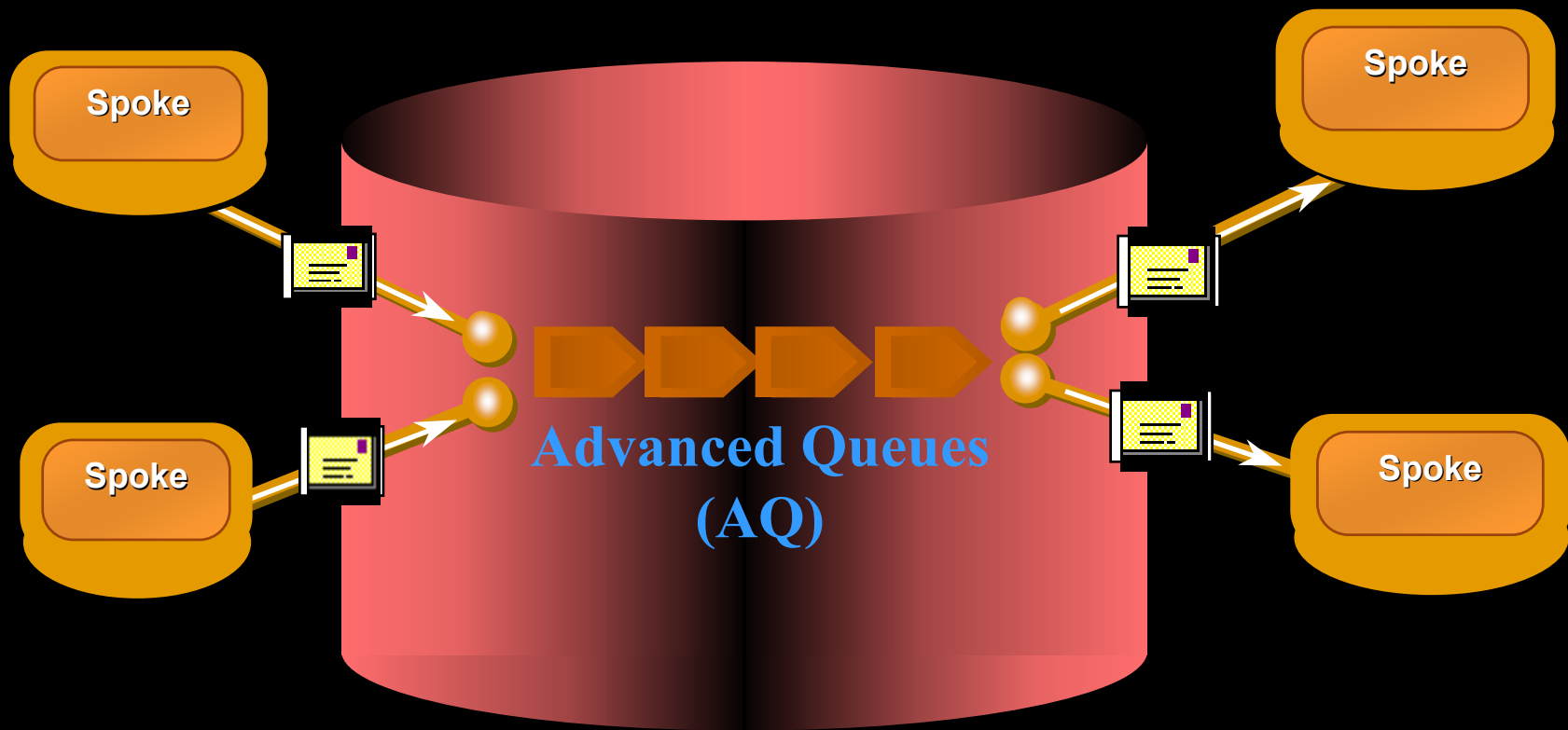
Transformation

Application Connectivity

Business Process Coordination

Management Information

Message Queuing and Distribution



Integrated Database Message Queuing

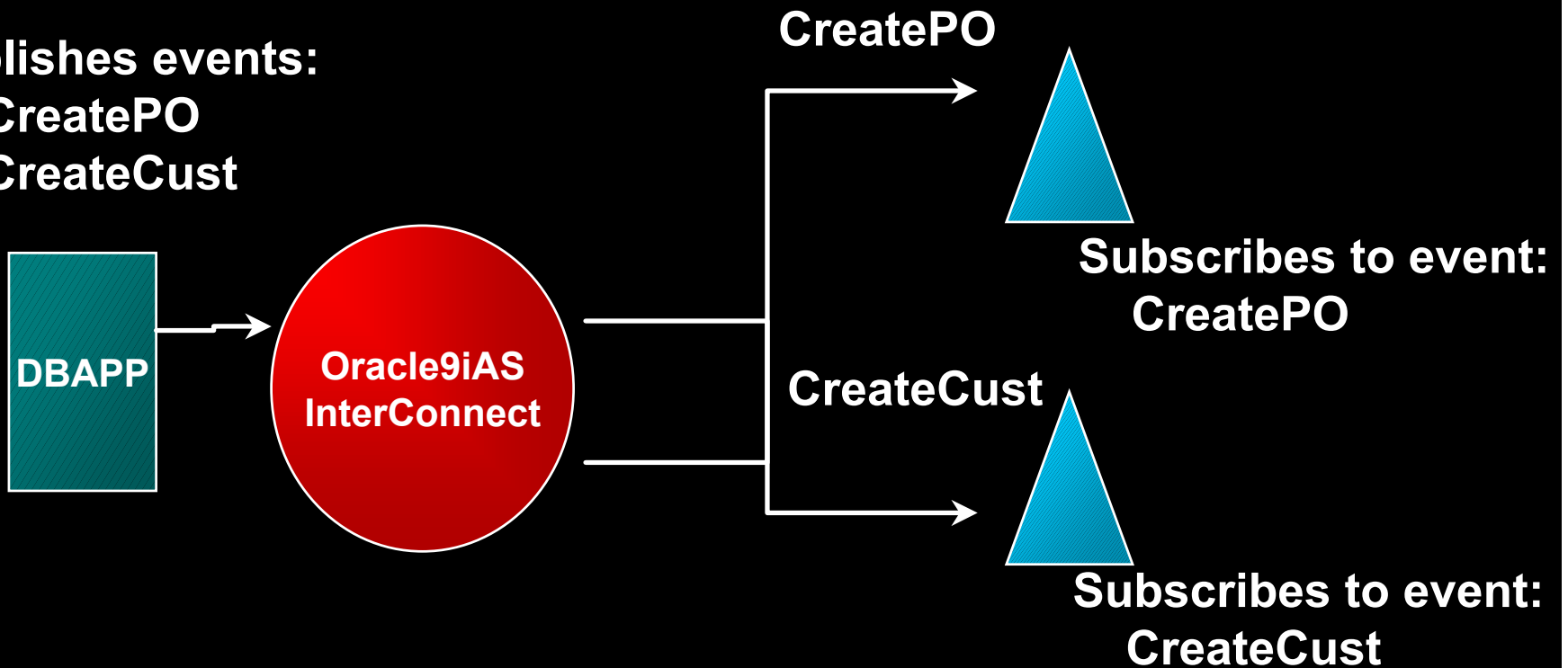
Messaging Paradigms

- Publish/subscribe
 - One way communication
 - asynchronous
- Request/Reply
 - Two way communication
 - Synchronous or asynchronous
- Point to Point
 - Based on publish/subscribe

Event Based Routing

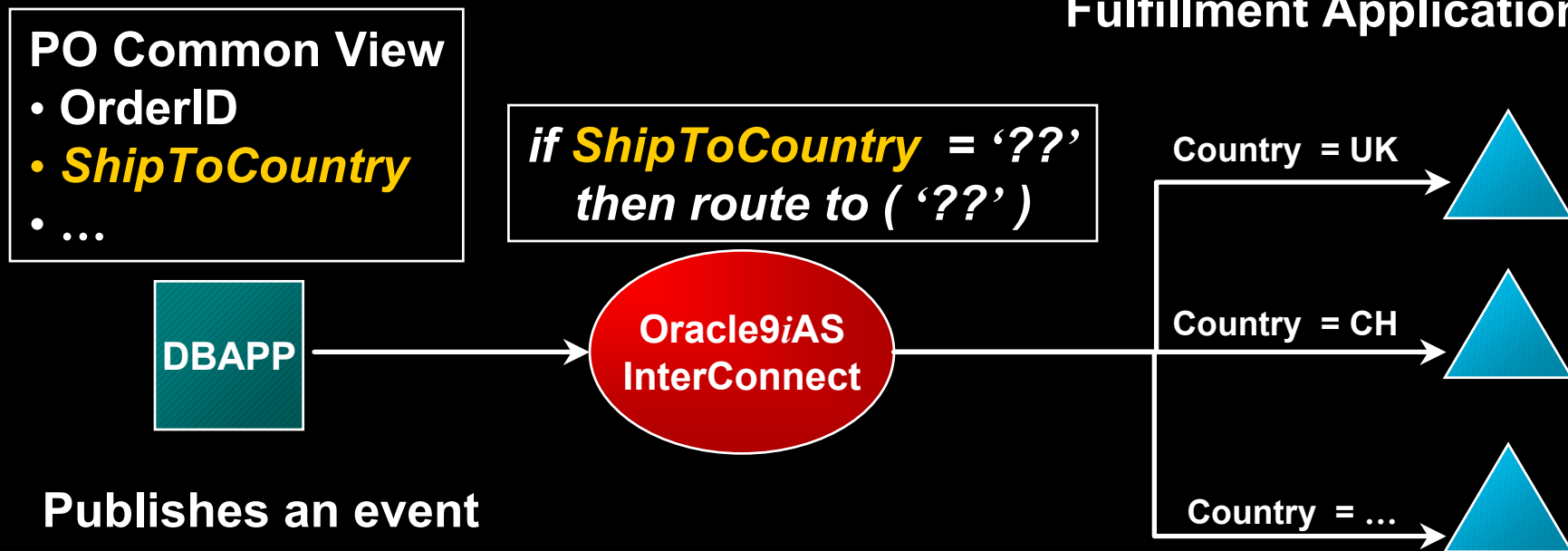
Publishes events:

- CreatePO
- CreateCust



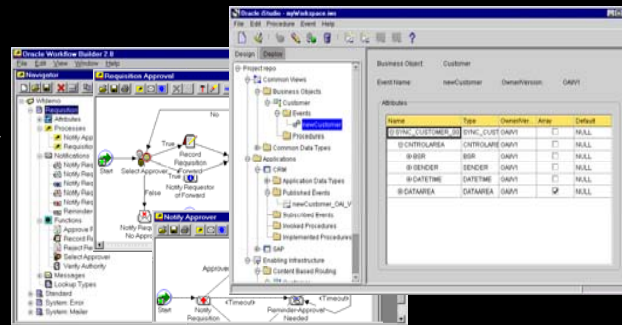
Content Based Routing

Distributed Order Fulfillment Applications

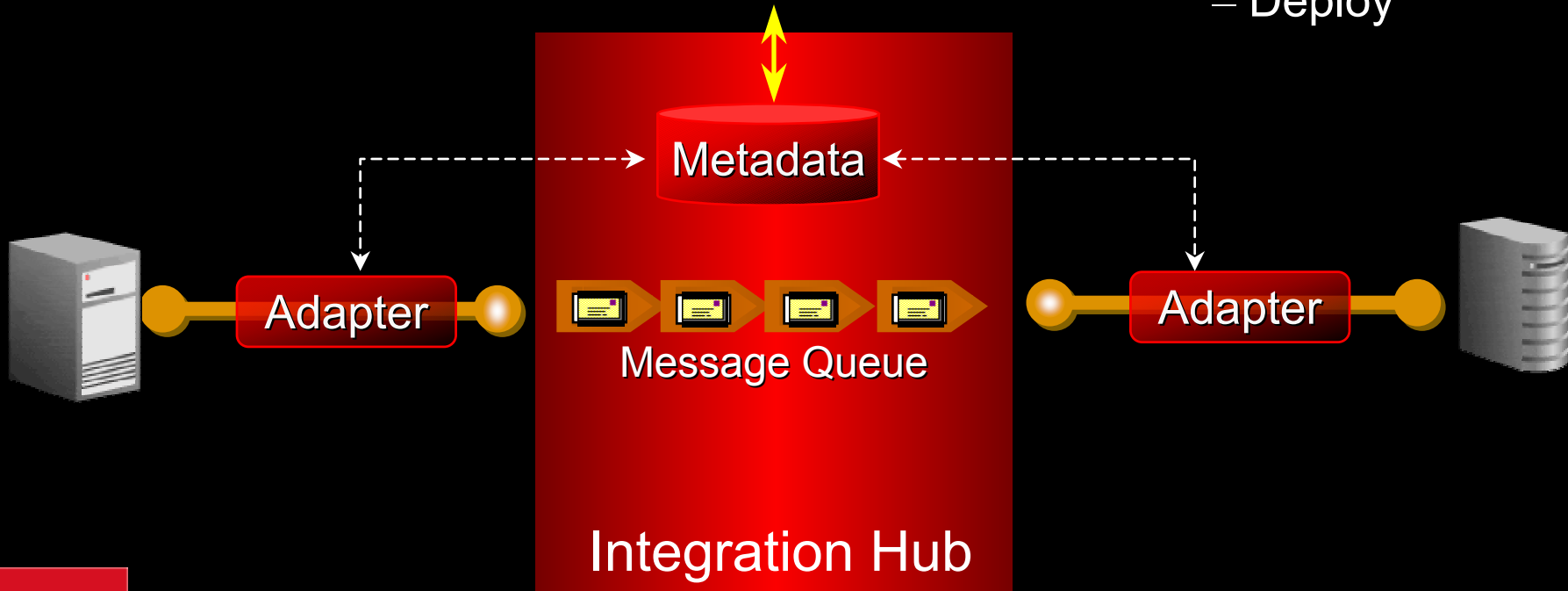


Design, Transform & Map

Workflow
Modeling



Visual Design Tool:
– Common View
– Map
– Transform
– Route
– Deploy



DEMO

Insert Event

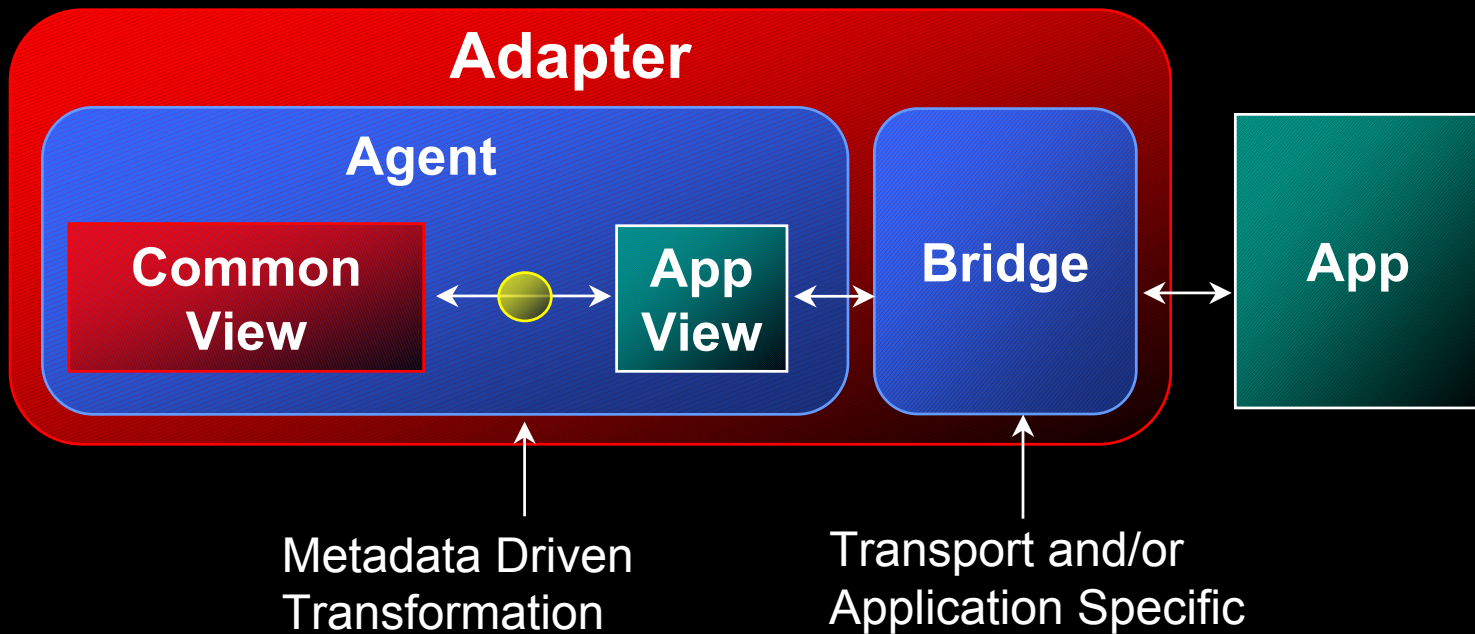


Input file met
Event data :
eventnaam, datum
deelnemer1,.....;
deelnemer2,.....;

Output file met Event data
In XML formaat

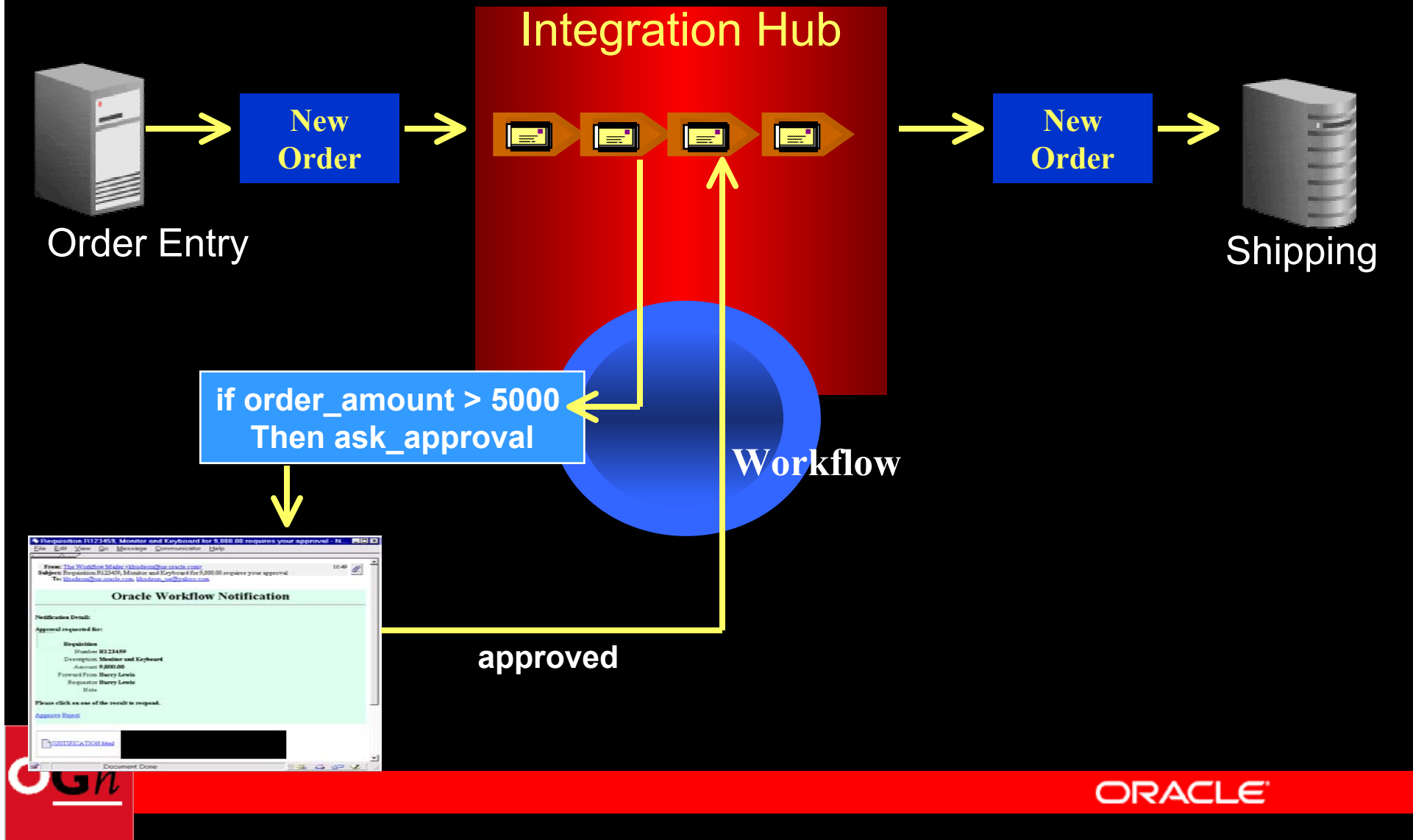
Business Object = Event
Event = AddEvent

Connectivity, transformation & mapping



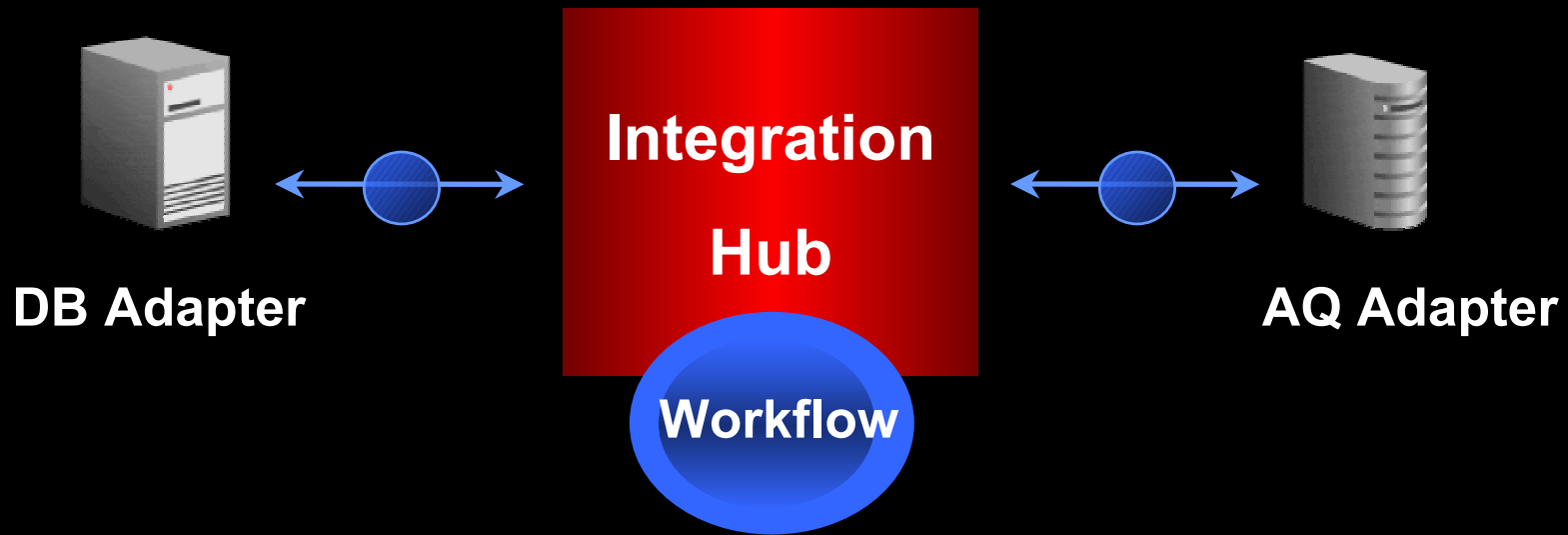
- File/ftp
- smtp
- http(s)
- MQ
- AQ
- DB
- CICS
- SAP
- Siebel
- Psft
- JDE
- SDK

Process Coordination/Approval



DEMO

Insert Purchase Order



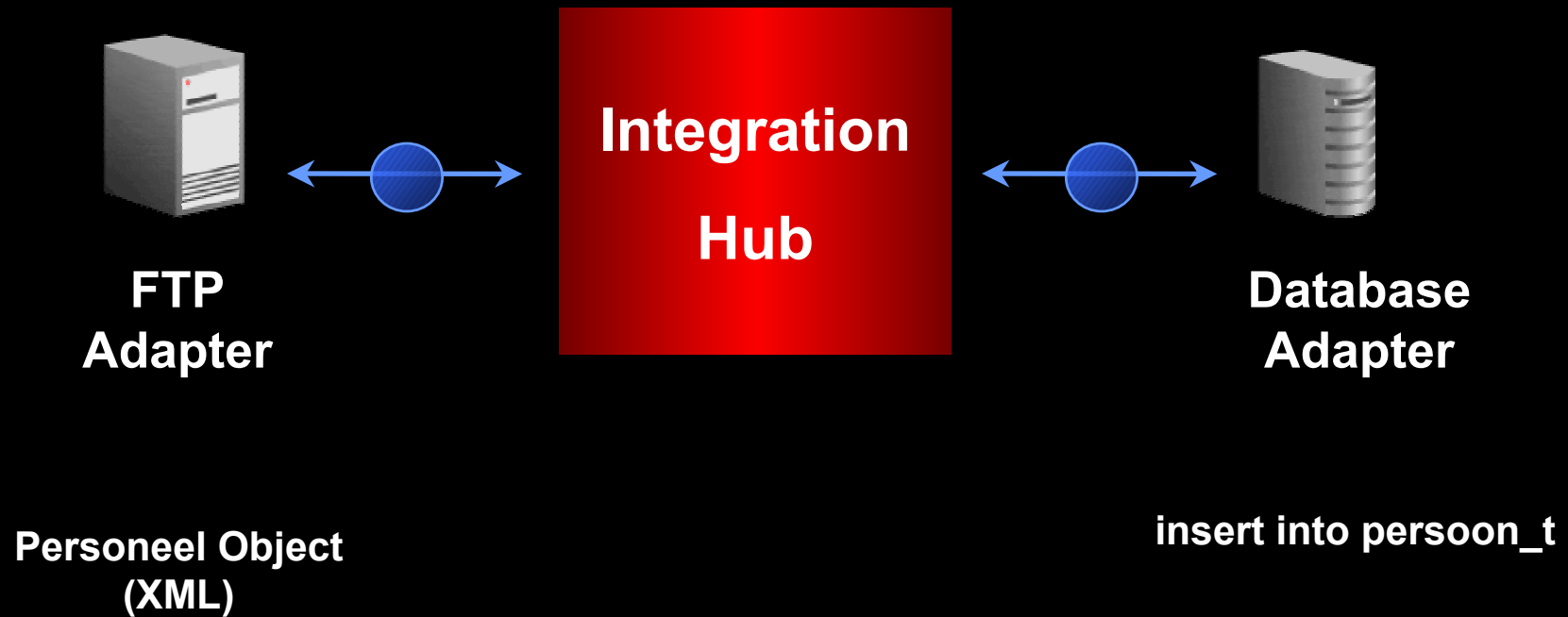
Insert Purchase Order

Approve Purchase Order
> 50

Insert Purchase Order
Orders < 50 +
goedgekeurde orders > 50

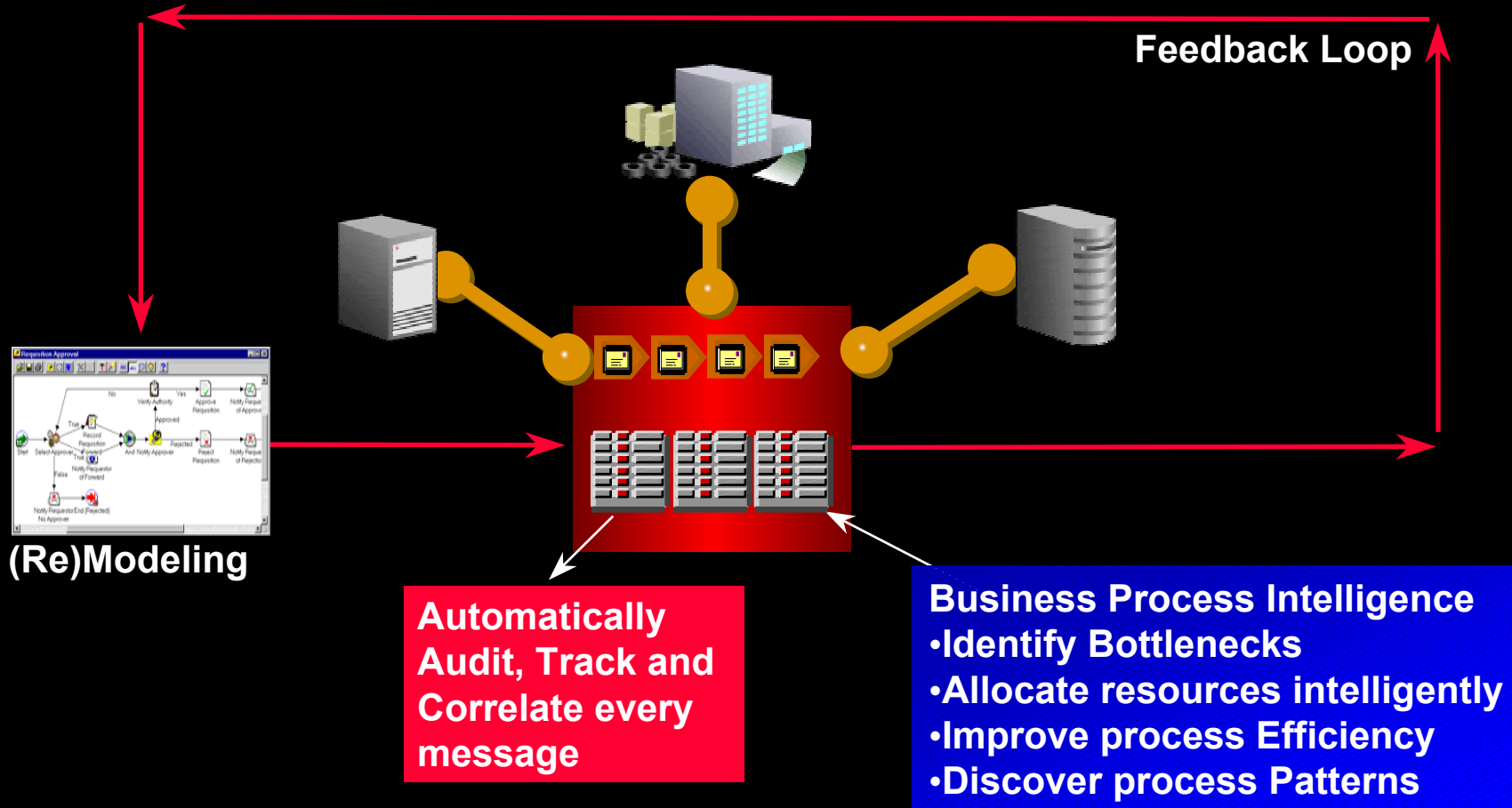
Business Object = Purchase_Order
Event = Create_PO

Insert Personeel

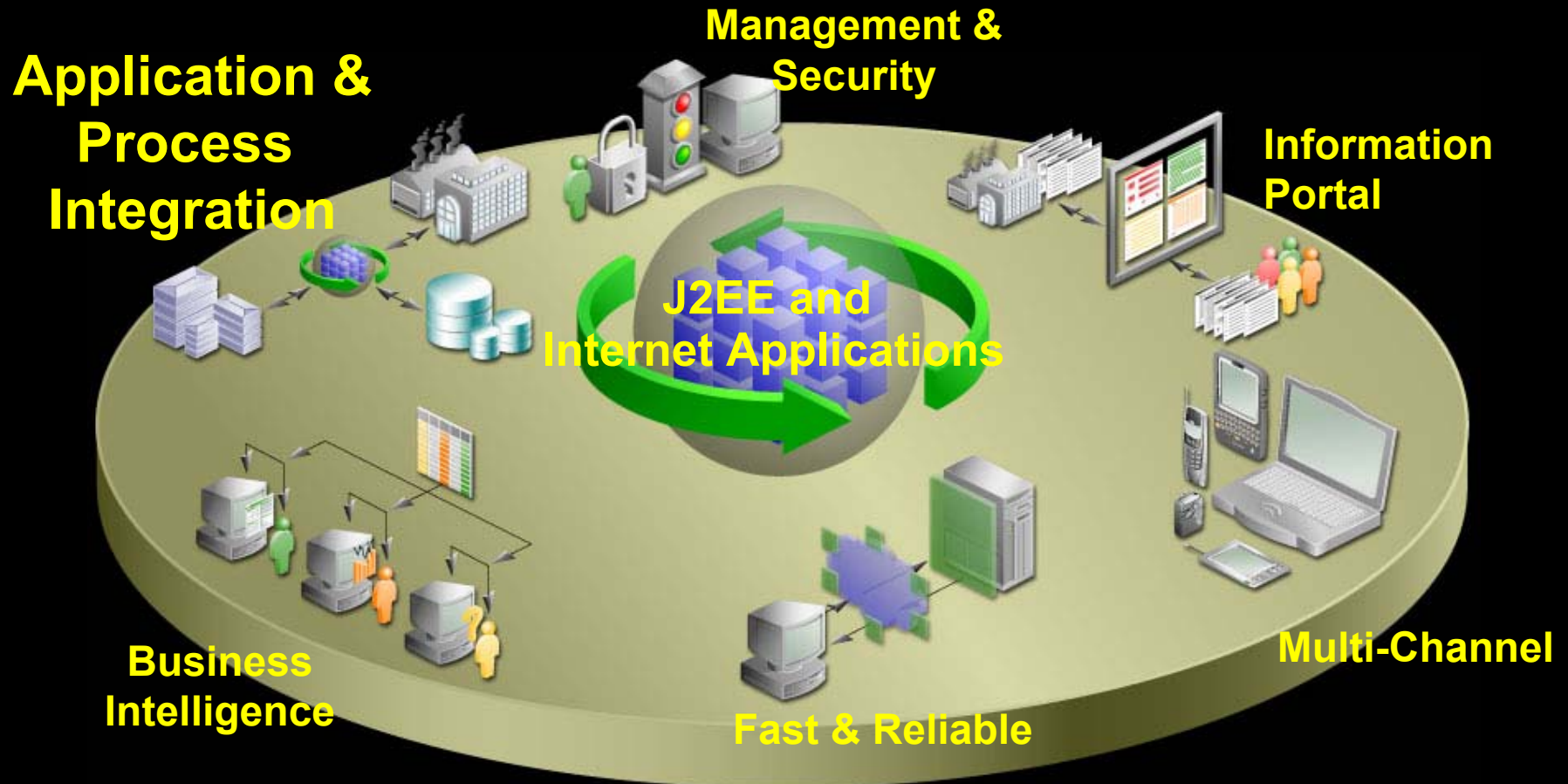


Business Object = Personeel
Event = Add_Personeel

Management Information



Oracle9i Application Server





Customers

Customers in NL

- ALH B2B portaal
- LNV Buro Heffingen
- Boskalis
- Urenco
- CWI
- Wehkamp
- Port Infolink R'dam
- Cadans
- D-Reizen
- ROC's
- CTB
- KPN Pensioenfonds
- Hermes Groep
- DigiTenne
- Connexxion
- Gemeenten:
 - Den Haag
 - Apeldoorn
 - Dordrecht
 - Maastricht
 - Tilburg

Case ALH



Bert Dondertman

TKP CGEY Proof of Concept

“ Korte inleercurve, stabiel en goed uitgewerkt product, 90% van de techniek is al aanwezig en daarmee meer tijd over voor het oplossen van het business vraagstuk”

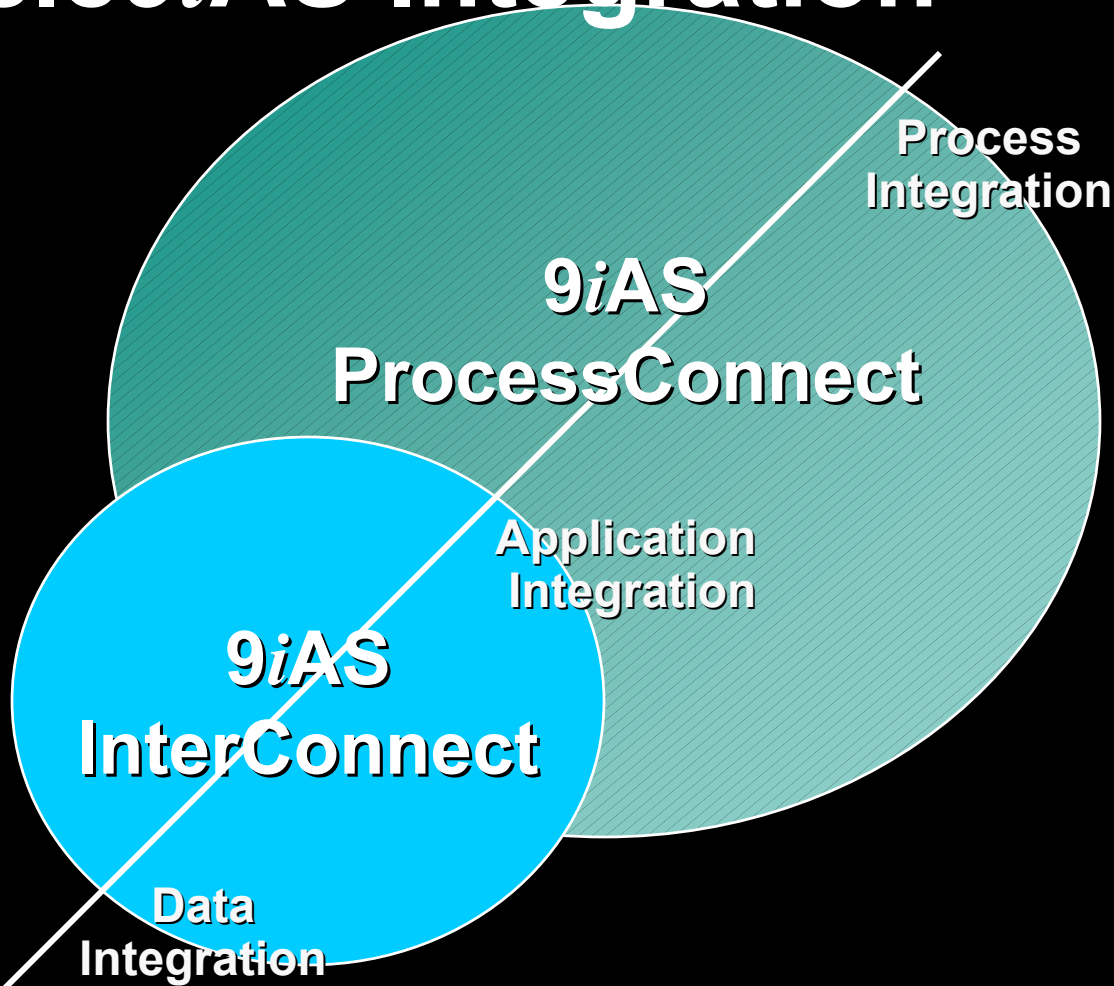
Léon Smiers , feb 2003



**Next
Release
(9*i*AS 9.0.4)**

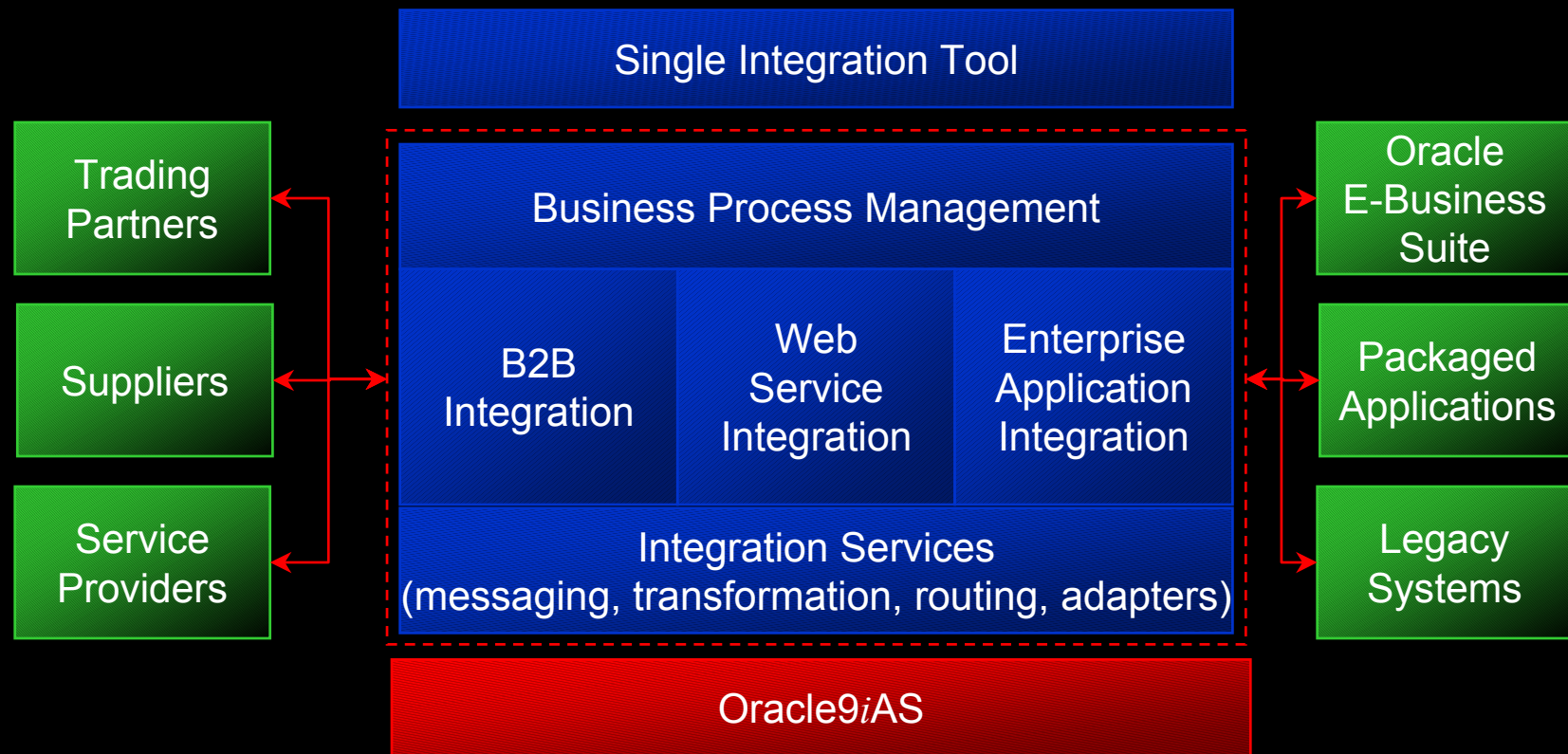
Oracle9iAS Integration

Business
Value



Integration
Complexity

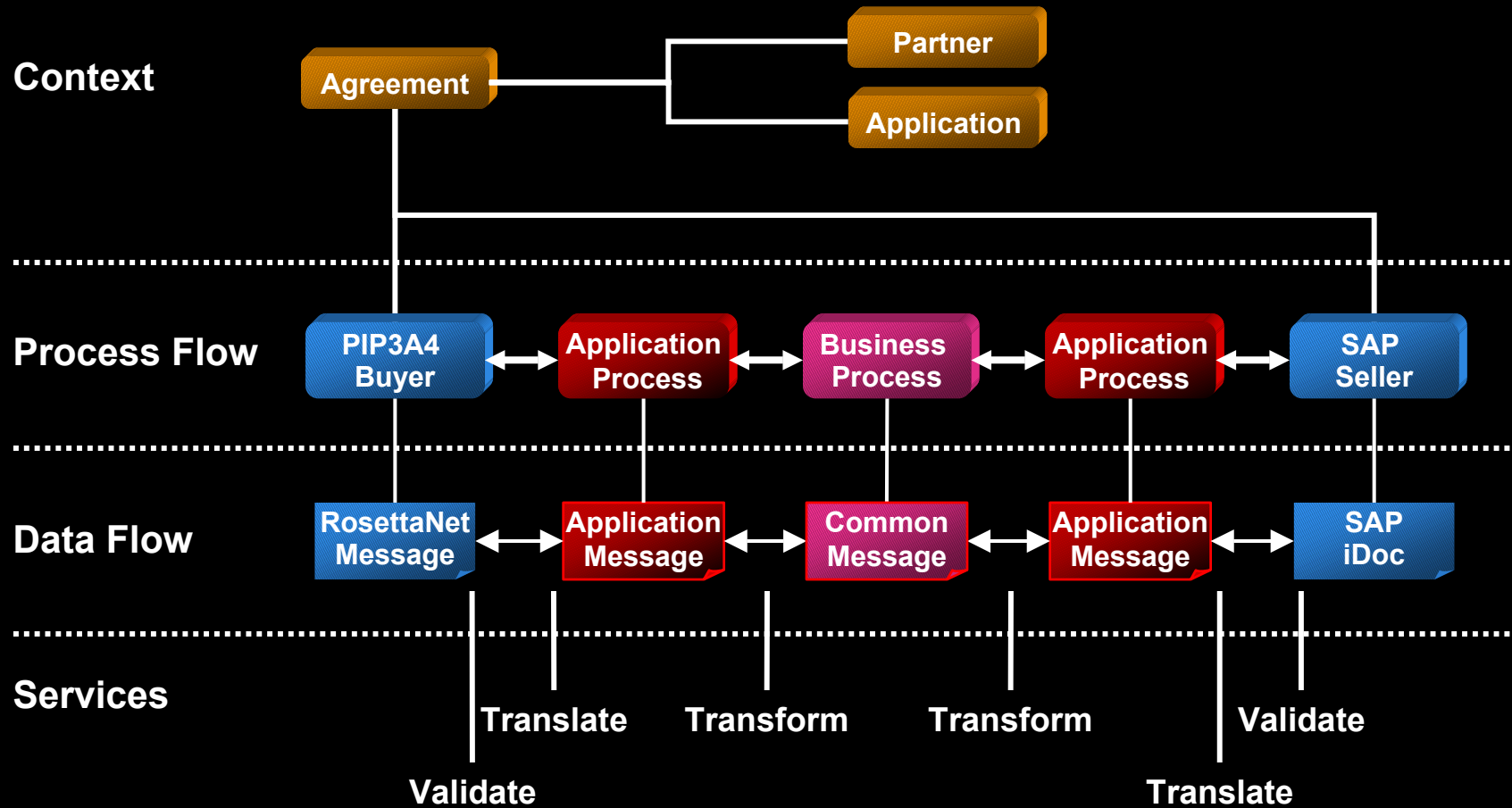
Oracle9iAS Integration Single Solution for A2A, B2B, and Web Services



Oracle9iAS ProcessConnect

- Single Standards-based Solution
- Integrating Processes
- Within and Outside the Enterprise
- Monitor & Streamline Business Processes
- Get a Consistent View of Information
- Integrating with Portal

Process-Based Integration Model



B2B Services

Agreement

Specifies B2B Collaboration and Communication Options

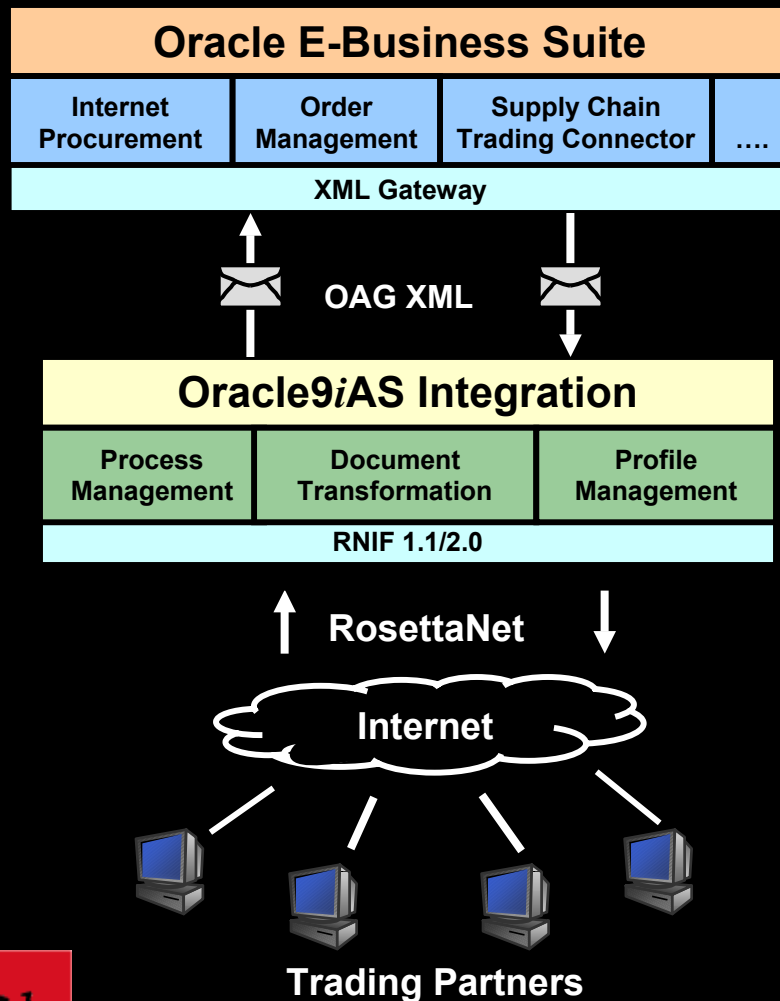
Collaborations	Parties/Roles	
	Party A	Party B
RN3A4 – Request PO	Buyer	Seller
RN3A4 – Request PO	Seller	Buyer

B2B Services

Validates / Ensures Compliance with Agreements

Transports	Packaging & Signing	Document Exchange	Collaboration
<ul style="list-style-type: none"> • Http/s • Smtip • Ftp/s • MQ Series • Oracle AQ • JMS • ... 	<ul style="list-style-type: none"> • SMIME 3.0 • SOAP 1.1 • ... 	<ul style="list-style-type: none"> • XML • OAGIS • RNIF 2.0 • ... 	<ul style="list-style-type: none"> • RosettaNet • Custom

Oracle's RosettaNet Solution



- **Supply Chain Trading Connector for RosettaNet**
 - Uses XML Gateway to Deliver/Consume OAG BODs
 - Notification Processing & History Recording
- **Oracle9iAS Integration**
 - PIP Choreography
 - Secure Communication
 - Document Validation
 - Document Transformation
 - Trading Partner Management

Single Integrated Tool

- Modeling
- Profiles
- Deployment
- Reports
- Administration

The screenshot shows the Oracle 9iAS Integration Platform web interface. The browser window title is "Oracle 9iAS Integration - Integration Home - Microsoft Internet Explorer". The address bar shows the URL: <http://dlsun1303.us.oracle.com:1967/integration/pages/login.uix?Username=ipbeta&Password=ipbeta&Organization=ipdev&bajaPage=forward?>. The page features the Oracle logo and the text "Integration Platform". A navigation menu includes links for Modeling, Profiles, Deployment, Reports, and Administration. The main content area is titled "Oracle 9iAS Integration" and includes a welcome message: "Welcome to Oracle9iAS Integration. This tool enables you to design, deploy, monitor, and manage integrations within an enterprise and integrations between enterprises." Below this, there are four sections: "Modeling" (describing management of business processes), "Profiles" (describing management of trading partners), "Deployment" (describing validation of integration metadata), and "Administration" (describing configuration of adapters and system types). A footer contains a navigation bar with links for Modeling, Profiles, Deployment, Reports, Administration, Home, and Logout, along with the copyright notice: "Copyright © 2002, Oracle Corporation. All rights reserved."

Education Special

Maandag 12 mei

Oracle 9iAS InterConnect Asynchrone Applicatie
Integratie

Zie www.oracle.com/nl/education/specials

