



IBM Software Group

IBM WebSphere Business Integration in einer SAP Umgebung

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WebSphere. software



 e-business software

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e-business on demand - Powered by WebSphere

e-business on demand:

Ein Unternehmen, dessen **Geschäftsprozesse** komplett - **vom Beginn bis zum Abschluss** – innerhalb der Firma und mit Geschäftspartnern, Lieferanten und Kunden **integriert** sind, und so **mit hoher Geschwindigkeit** auf Kundenanforderungen, Marktchancen und Herausforderungen reagieren kann.

WebSphere. software

INTEGRATION PLAY

- 1) WIN WITH RESULTS: For more efficiency and faster transactions, you need open, resilient software that lets you integrate internal and external business processes.
- 2) WIN WITH WEBSHERE: The leader in integration software, WebSphere includes built-in templates and application adapters specifically for Straight Through Processing. You get outstanding financial services with virtual plug-and-play convenience. WebSphere. Part of our software portfolio, including DB2[®], Lotus[®] and Tivoli[®].
- 3) MAKE THE PLAY. Visit ibm.com/websphere/finance

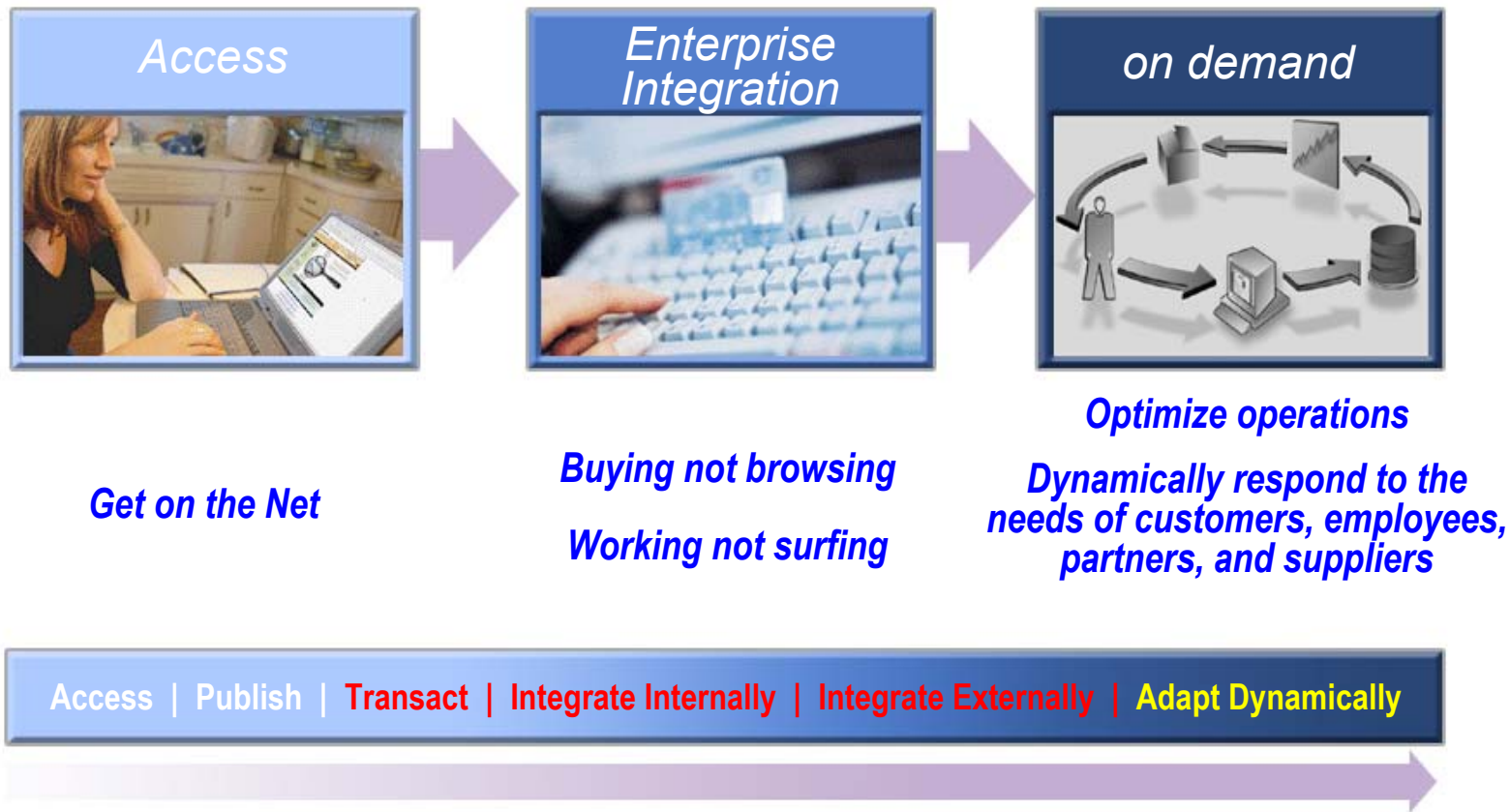
@business is the game. Play to win.™

IBM.

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Entwicklung des e-business



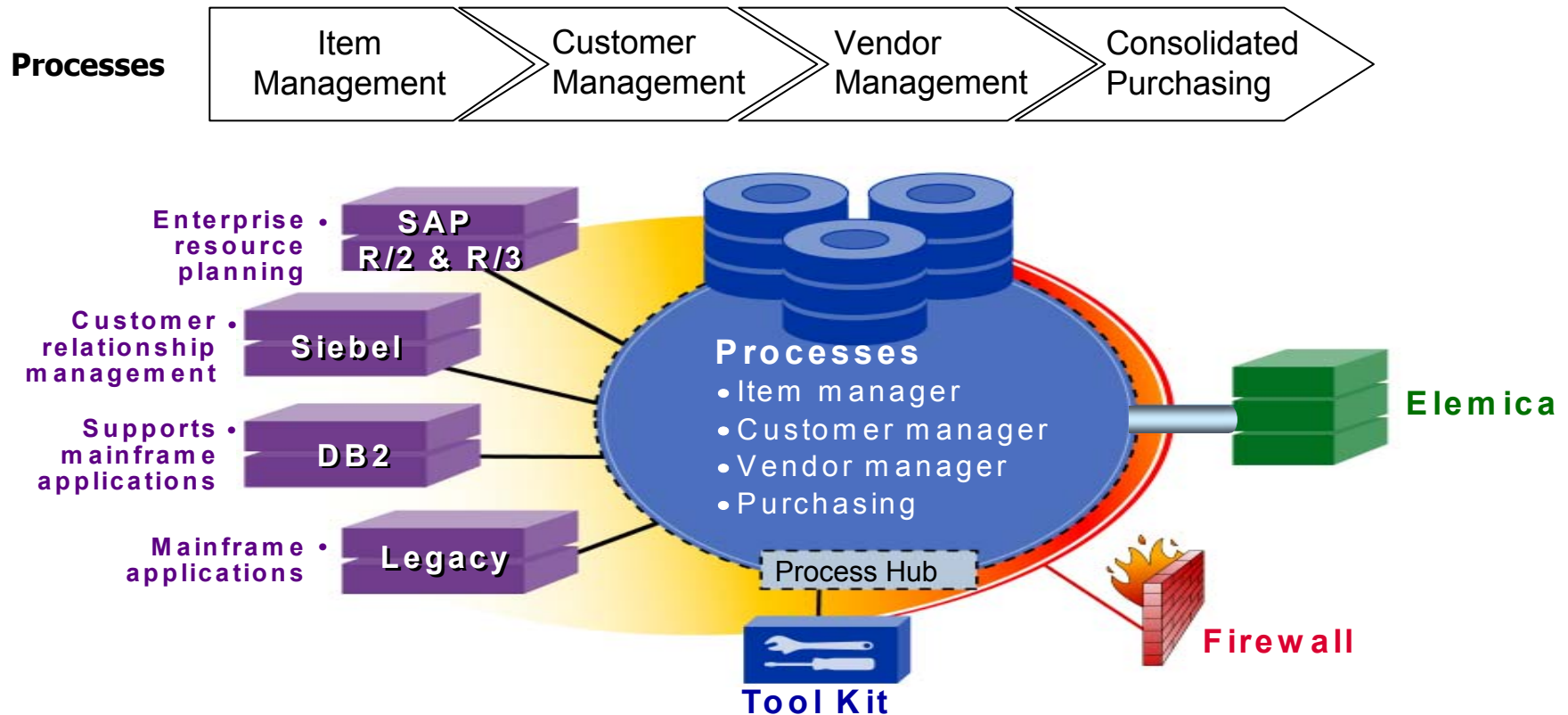
Prozessverbesserungen nach dem Dow und Union Merger durch WebSphere



Living.
Improved daily.

- **Integration: Reduzierter Integrationsaufwand – 60 Stunden pro Prozess statt 600 Stunden**
- **on demand: Produkteinführungszeit verkürzt von 30 Tagen auf 10 Tage**

WebSphere Business Integration Solution for Process Industry

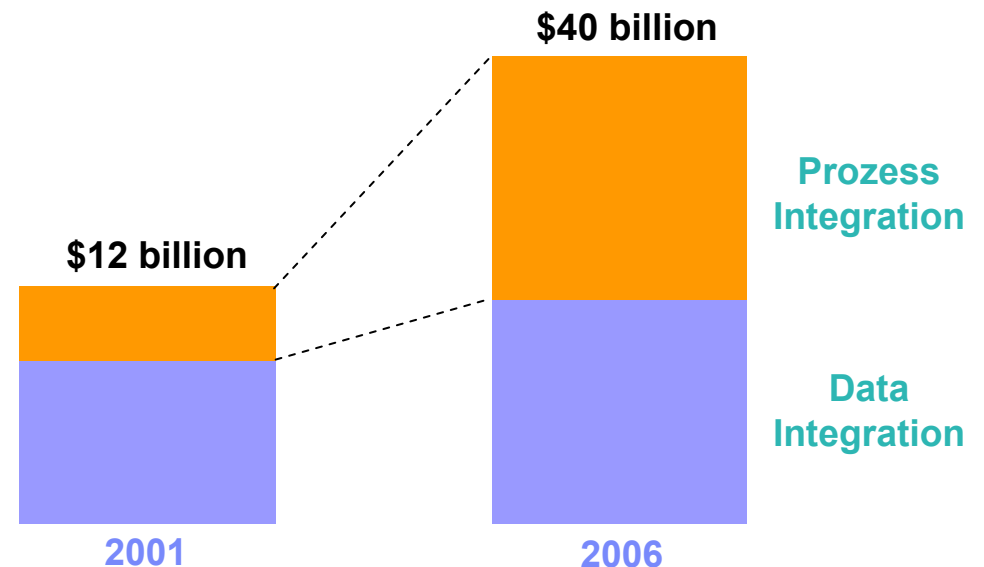


Business Integration hat höchste strategische Bedeutung

Marktvolumen für Business Integration Lösungen

“Business Integration is the Number One Strategic IT Project in 2002”

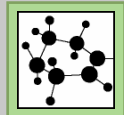
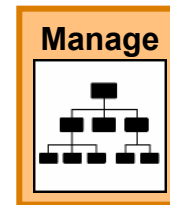
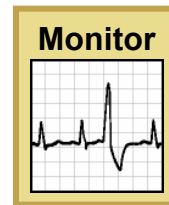
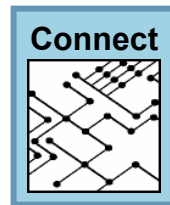
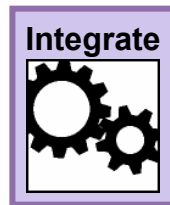
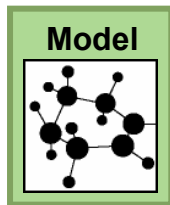
- Morgan Stanley - CIO Survey



- Source: Wintergreen, IDC & IBM



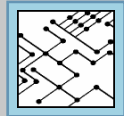
WebSphere Business Integration - Funktionsumfang



Modellierung und Simulation von Geschäftsprozessen



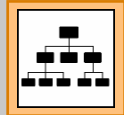
Integration von Insellösungen



Connect: Einbindung von Kunden und Geschäftspartnern



Monitor: Überwachung der Geschäftsprozesse



Management und Verbesserung der Prozesseffizienz



WebSphere Business Integration für SAP Kunden

- WebSphere Business Integrator (WBI) - die **beste am Markt verfügbare** Lösung für heterogene SAP Integration
- Unterstützt und **automatisiert** Geschäftsprozesse, die typischerweise umfassen
 - SAP Anwendungen
 - Andere Standardsoftware
 - Eigene Anwendungen
 - Workflow
- Sehr mächtiger **SAP zertifizierter** Adapter
- Unterstützung für alle **SAP Standardschnittstellen** und mehr
- Fokus auf **Geschäftsprozess**-Integration
- **Intern und extern** – mit Partnern, Lieferanten und Kunden
- **Rasche** Implementierung
- **Einfache** und **schnelle** Anpassung an geänderte Anforderungen
- Frühestmögliche **Gewinnrealisierung**
- Entspricht voll den **on-demand** Anforderungen



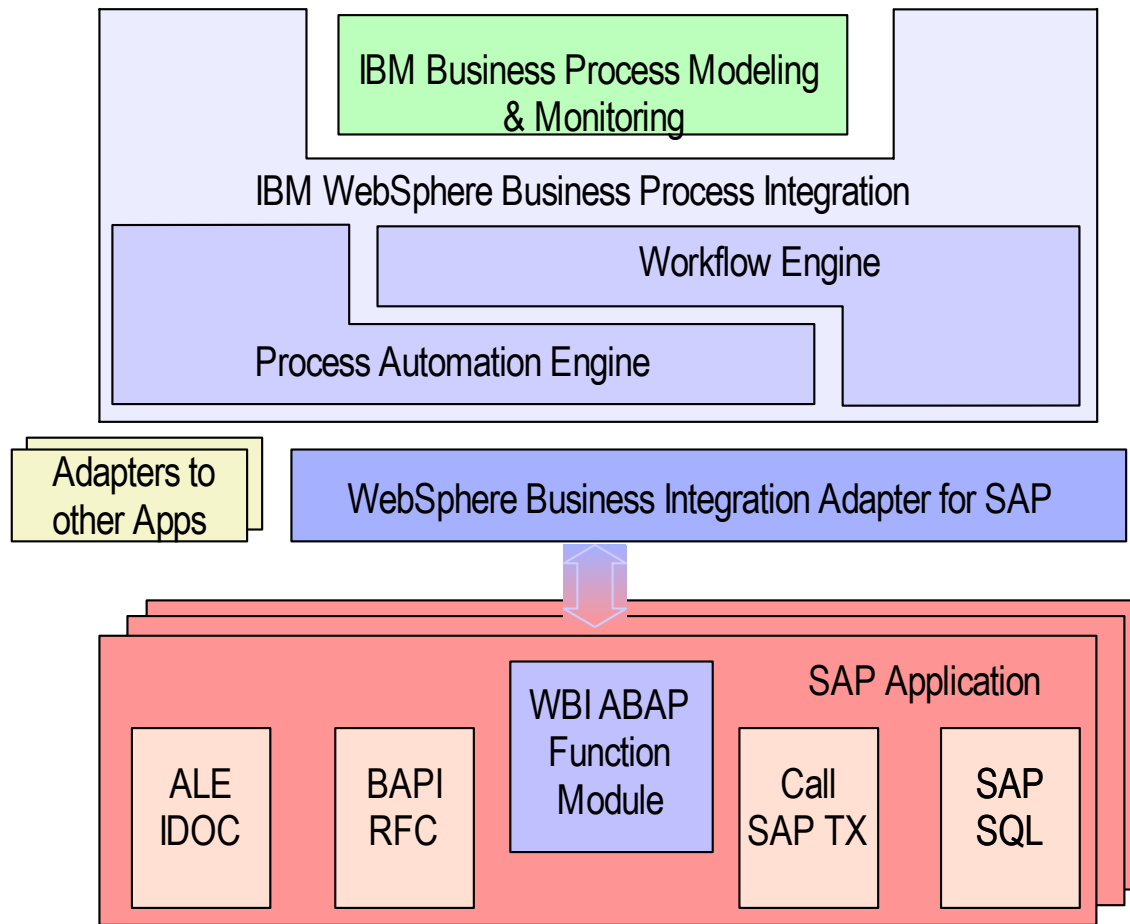
Geschwindigkeit durch WebSphere Business Integration

- 15 Jahre SAP Integrationserfahrung
- Vielzahl von SAP Integrationsreferenzen (>250)
- Ausgereifte und kundenbewährte Software-Basis
- 15 Jahre Projekterfahrung als Standard-Software
- Vordefinierte Integrationsprozesse (Logik)
- Fertige Adapter zu vielen Lösungspaketen
- Trennung von Integrationslogik von den Anwendungen
- SAP spezifische (Graphik-) Werkzeuge (e.g. SAP Business Object Repository (BOR) Browser; SAP BAPI mapper)
- Implementationszeit bestimmt Projektwirtschaftlichkeit
- z.B. kostet ein 6-monatiger Projektverzug mehr als die gesamte Integrations-SW

Zeit = Geld



WBI SAP Process Integration Architecture



- **Business Process Mgmt**

- Process Design
- Process Monitoring

- **Workflow Support**

- **Process Automation**

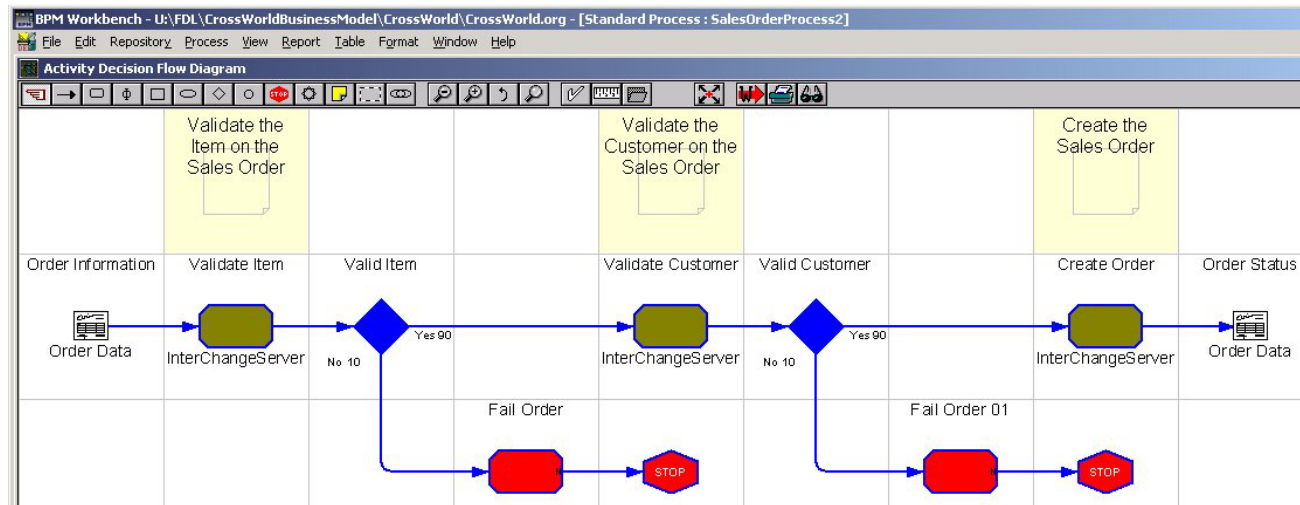
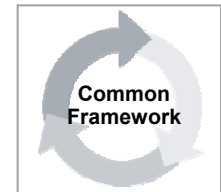
- **Industry Collaborations**

- **Advanced function WBI SAP adapter**

- Supporting all SAP Interfaces
- SAP certified
- Object Mapping
- Advanced Event Detection
- Polling
- Custom Interfaces



Integriertes Business Process Modeling



- **Graphische Modellierung, Design and Dokumentation von Geschäftsprozessen mit WebSphere Business Integration Modeler**
- **ROI Analyse**
- **(Teil-) automatische Implementierung des Geschäftsprozess-Modells in WebSphere Business Integraton Server und Kollaborationen**
- **Erfassung und Überwachung der Prozessabläufe in Echtzeit**

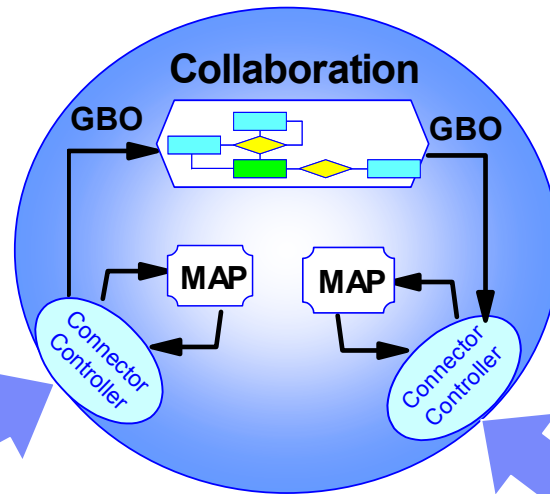


Entkoppelung der Integrations-Logik von den Anwendungen

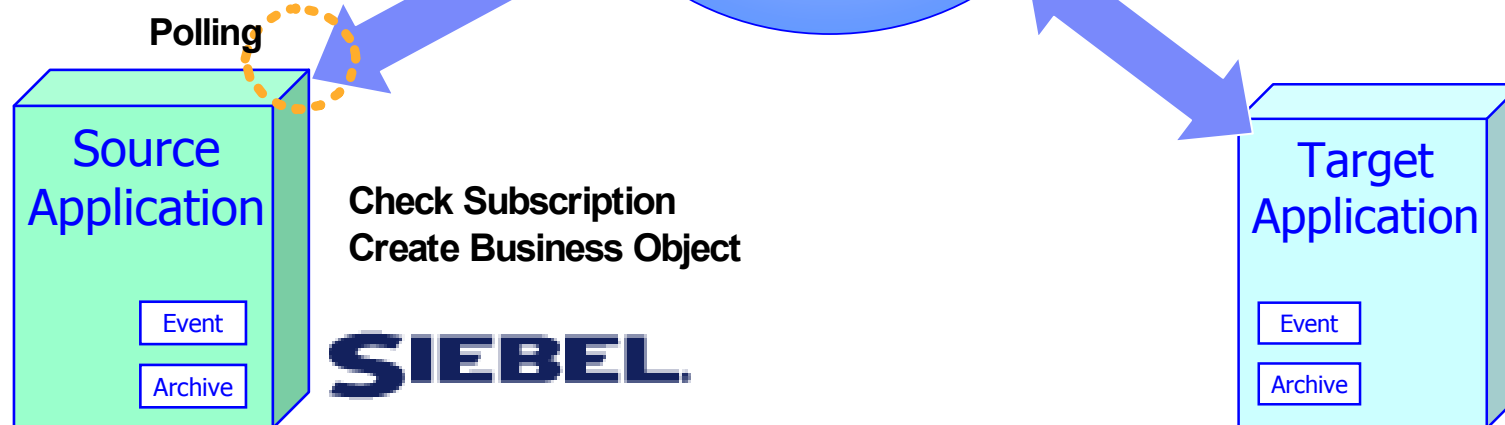
WebSphere Interchange Server

Load into Adapter

- Business Object definition
- Subscription Info

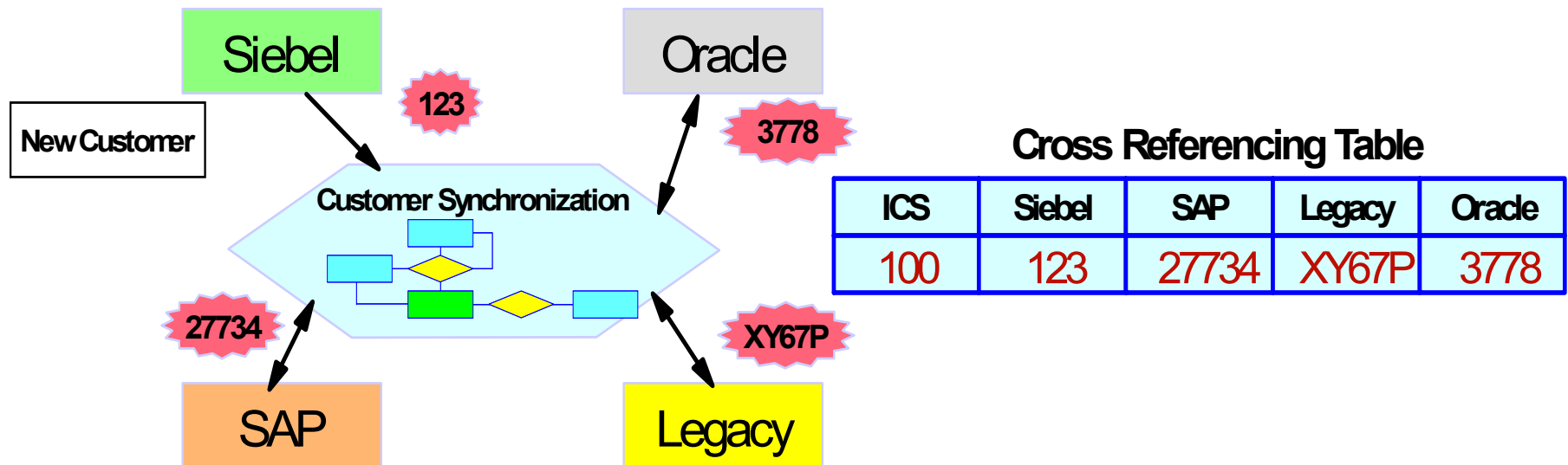


ASBO Application Specific Business Object
 GBO Generic Business Object



WebSphere BI für gelungene Integrationsprojekte

- **Cross Referencing der Object Keys verschiedener Anwendungen**

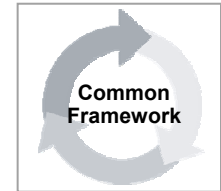


- **Transaction Support (via Compensating Transactions)**
- **Event Sequencing & Event Isolation**
- **Future Event Support**



WebSphere Business Integration Adapters

- fertige & getestete Anwendungsanbindung



Application Adapters

- ▶ BroadVision Commerce
- ▶ Clarify CRM
- ▶ eMatrix
- ▶ I2
- ▶ I2 Active Data Warehouse
- ▶ MetaSolv TBS
- ▶ NightFire Applications
- ▶ Oracle Applications
- ▶ PeopleSoft
- ▶ Portal Infranet
- ▶ Retek
- ▶ **SAP**
- ▶ Siebel eBusiness Applications
- ▶ Spirent Applications
- ▶ Telcordia Applications
- ▶ Vantive
- ▶ WebSphere Commerce

Technology Adapters

- ▶ Adapter for e-mail
- ▶ FIX Protocol
- ▶ JMS
- ▶ JText
- ▶ JDBC
- ▶ MQ
- ▶ MQ Integrator
- ▶ MQ Workflow
- ▶ SWIFT
- ▶ XML

■ Mainframe Adapters

- ▶ ADABAS
- ▶ CICS
- ▶ DB2 Databases
- ▶ IMS Transaction Manager
- ▶ IMS Database Manager
- ▶ VSAM

e-Business Adapters

- ▶ Data Handler for XML
- ▶ Data Handler for EDI
- ▶ JCA Connection to InterChange Server
- ▶ iSoft Peer to Peer Agent
- ▶ Trading Partner Interchange Trading Networks
- ▶ Trading Partner Interchange Solo
- ▶ Web Services

IBM WebSphere Business Integration Adapters support

- Multiple releases of the Application
- Multiple Application Transactions types



IBM WebSphere bietet vordefinierte Integrationsprozesse

Für branchenneutrale Anwendungen:

- Customer Relationship Management (CRM)
- Enterprise Resource Planning (ERP)
- Supply Chain Management (SCM)
- Straight-Through Processing (STP)
- Mergers and Acquisitions (M&A)
- Web Exploitation

.. und viele branchenspezifische Prozesse:

CRM

Account Status
Contact Manager
Customer Manager
Installed Product
Invoice Generation
Item Manager
On-Hand Inventory
Sales Order
Processing
Sales Order Status
Service Contract

ERP

Account Status
Contact Manager
Customer Manager
Installed Product
Inventory Level
Invoice Generation
Item Manager
On-Hand Inventory
Purchase Order Processing
Purchase Order Status
Sales Order Processing
Sales Order Status
Service Contract
Vendor Manager

SCM

Account Status
Contact Manager
Customer Manager
Department Manager
Employee Manager
Installed Product
Inventory Level
Invoice Generation
Item Manager
Purchase Order
Processing
Purchase Order Status
Sales Order Processing
Sales Order Status
Vendor Manager

STP

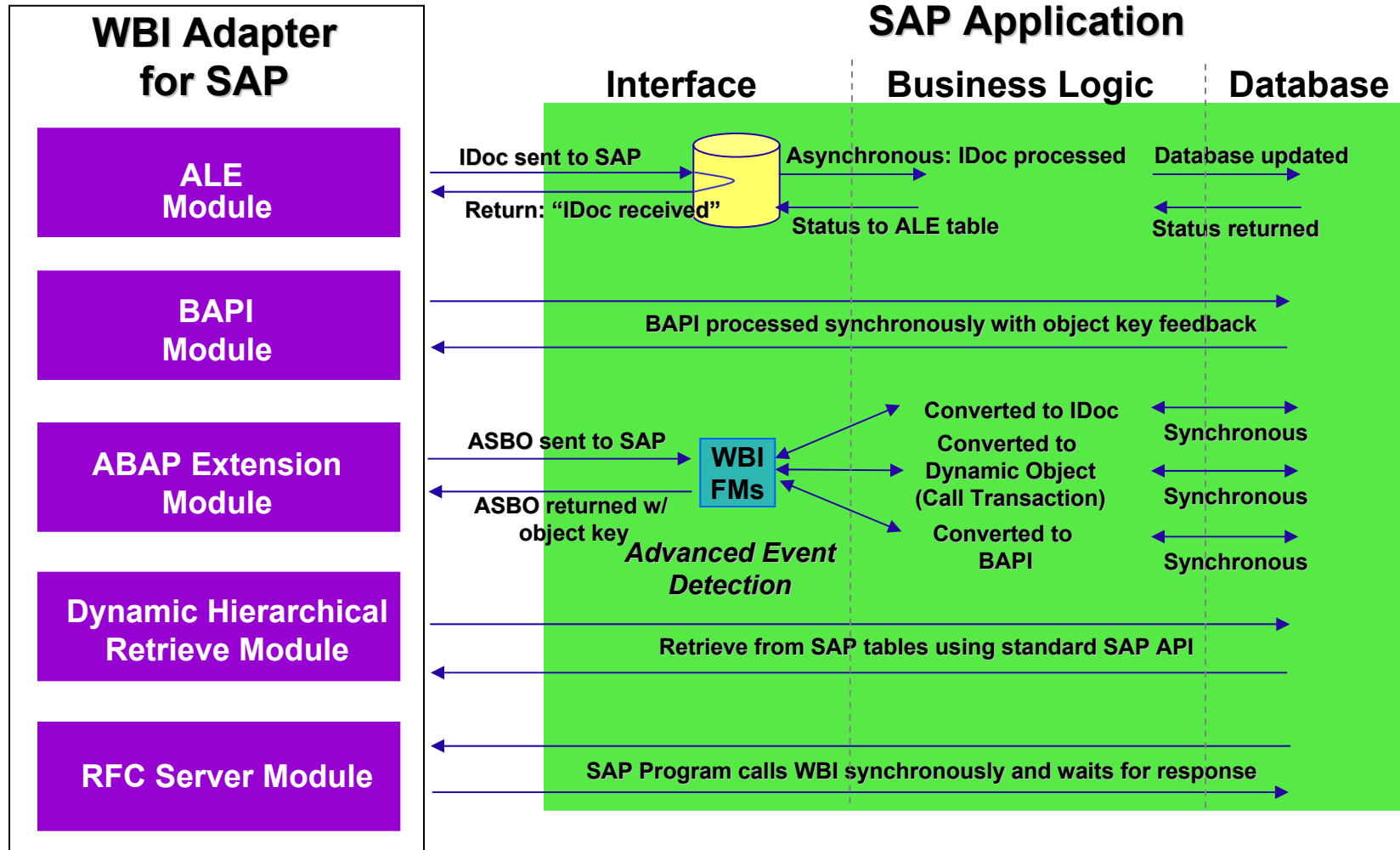
Account Status
BOM Manager
Customer Manager
Customer Orders
Demand Forecast
Demand History
Inventory Adjustments
Inventory Level
Inventory Manager
Invoice Generation
Item Manager
On-Hand Inventory
Planned Orders
Purchase Order
Processing
Purchase Order Status
Purchase Orders
Sales Order Processing
Transfer Orders
Vendor Manager
Work Orders

M&A

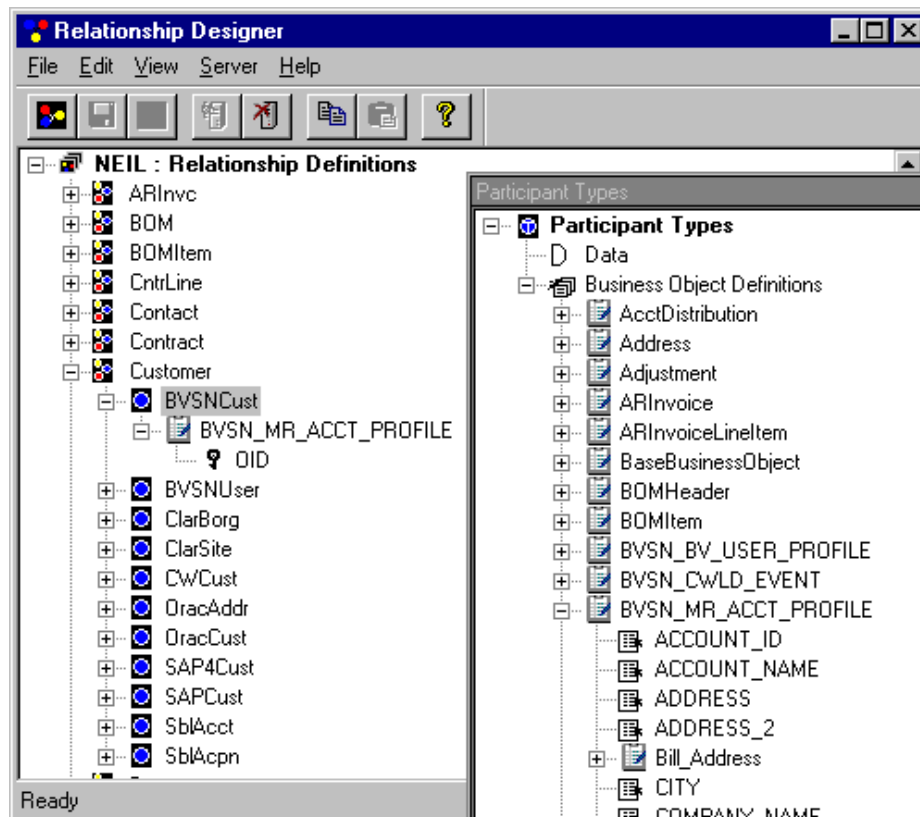
Account Receivable
Account Status
BOM Manager
Contact Manager
Customer Manager
Customer Orders
Demand Forecast
Demand History
Department Manager
Employee Manager
General Ledger Movement
Installed Product
Inventory Adjustments
Inventory Level
Inventory Manager
Invoice Generation
Item Manager
On-Hand Inventory
Planned Orders
Purchase Order Processing
Purchase Order Status
Purchase Orders
Sales Order Processing
Sales Order Status
Service Contract
Transfer Orders
Vendor Manager
Work Orders



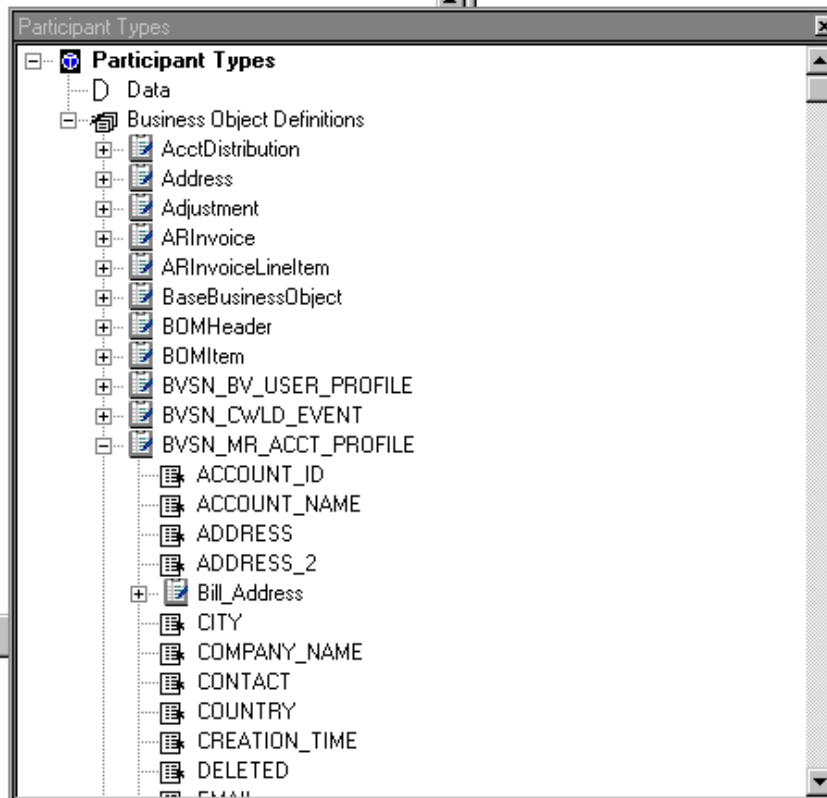
WebSphere BI SAP Adapter Architektur



WebSphere Interchange Server - SAP GUI Tools



BAPI Wizard

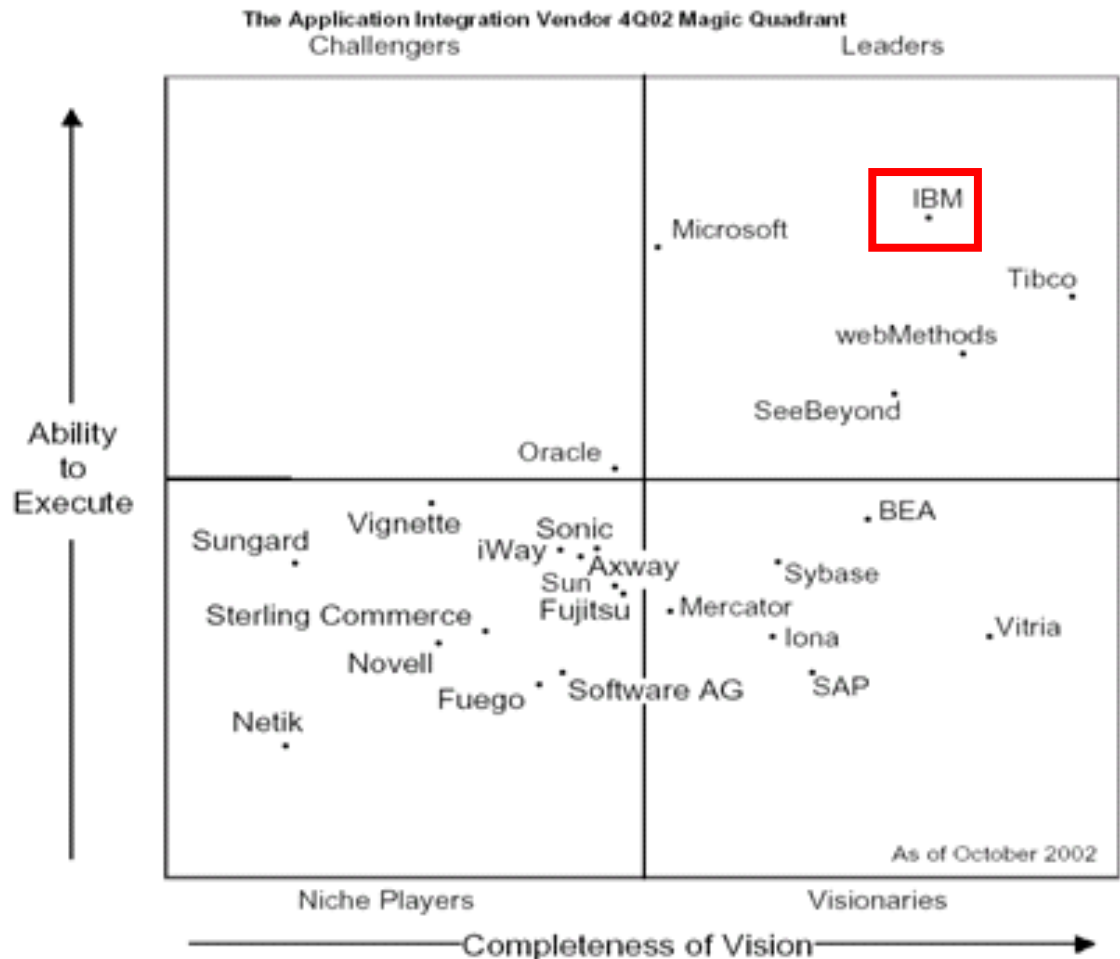


Object Mapping



Application Integration Leadership - Gartner Magic Quadrant 4Q02

Marktanteil:
IBM WebSphere 17%
 TIBCO 8%
 WebMethods 8%



Source: Gartner Research

