

#### IBM Software Group Solutions for SAP

### **SOA for SAP Customers**

Accelerating Customer Value with SOA

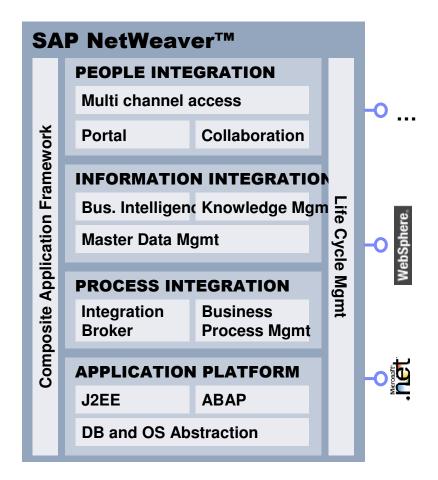
Lloyd Adams, Global Software Group Executive, Solutions for SAP July, 2007

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#### IBM and SAP are partnering to deliver SOA solutions for customers

- SAP is IBM's largest partner. IBM is SAP's largest partner
- Until SAP NetWeaver was introduced, life was simple
  - SAP provided packaged applications
  - IBM provided hardware, services, and middleware software
- Customers were asking many questions
  - IBM Software Solutions for SAP Team was formed
  - Team of 50 dedicated professionals globally
  - Lloyd Adams, Martin Arnoldy (WW Sales), Gary O'Leary (UK)
- Customers are selecting both IBM and NetWeaver





### **Customers are selecting IBM Software AND NetWeaver**

Renault	<ul> <li>GBS &amp; SWG teamed to extend ESB domain (already connecting 300 apps) to improve time-to-market of cars with PLM integration</li> </ul>			
	<ul> <li>Proved superiority of SOA composite application vs package apps extensions for Dealer order integration in a proof of concept</li> </ul>			
	<ul> <li>First "business services" with a proven re-use delivered in 2006 and populating a Registry and Repository</li> </ul>			
Lenovo	<ul> <li>Lenovo has embarked on an effort to integrate the heterogeneous systems inherited from IBM into new mySAP apps</li> <li>Strategic platforms selected:         <ul> <li>IBM WebSphere for the strategic front end, BPM, monitoring, and data migration</li> <li>mySAP for the back-end systems</li> </ul> </li> </ul>			
Audi	<ul> <li>SAP NetWeaver lighthouse customer (early adopter)</li> </ul>			
	<ul> <li>Instituted a Corporate-wide WebSphere/NetWeaver joint strategy</li> </ul>			
	<ul> <li>Recently successfully moved customizations out of SAP CRM into the WebSphere SOA platform</li> </ul>			



### Other example customers who run SAP and have selected IBM Software

- Audi/VW
- Renault
- EADS/Airbus
- Bombardier Aerospace
- Spirit Aerospace
- McKesson
- Cardinal Health
- Lenovo
- DHL
- TNT
- Petroleum of Mexico (PEMEX)
- Repsol (Spain, Latin America)
- Varian Semiconductor
- American Airlines
- Compass Group (world's largest foodservice)
- Guidant
- Universal Robina Corp (Asia CPG)
- CP IT
- Goodyear
- Lastar
- DB Regio IT Achan (Germany)

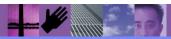
- Modelo (Corona)
- Sobeys (largest Canadian retailer)
- Cencosud
- Home Depot
- Metro Group
- Kaufland
- Warner Brothers
- Gas Natural (Spain)
- Bridgestone NA Tire
- Viessman
- Indian Tobacco Co. (SAP & Oracle)
- DVLA (Public UK)
- Bank of Austria
- Standard Bank of S. Africa
- Grohe
- T-Com
- Comcel
- Deutsche Telcom

Separate SAP references .pdf available



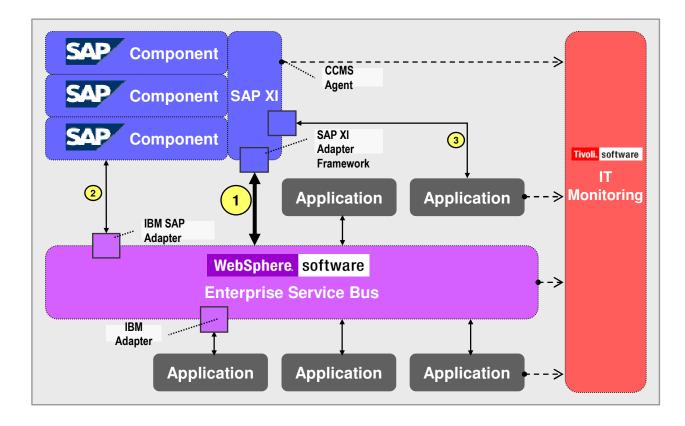
#### Four areas of interoperability were reviewed...

- Enterprise Application Integration
  - ▶ SAP XI is the preferred interface to future SAP Applications
  - ▶ IBM WebSphere is the integration tool for all heterogenous applications
- Business Process Management
  - ▶ SAP XI will be used to coordinate intra-SAP processes
  - ▶ IBM WebSphere will be used in the heterogenous environment
- Portal
  - ▶ SAP NetWeaver Portal will be used as interface to SAP applications
  - IBM WebSphere Portal will be the overall portal, providing access to all applications
- Application Development
  - Netweaver Development Studio for SAP Application Development
  - ▶ IBM Rational Tools Suite for development outside SAP





## SAP & IBM Interoperability: EAI Overview Example architecture



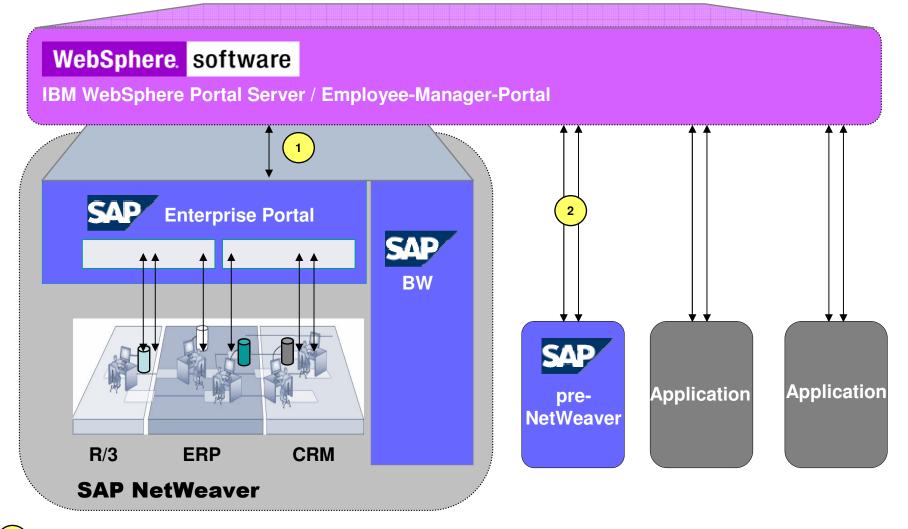
**SAP XI** is the strategic tool to integrate SAP Applications

**IBM WebSphere** is the strategic tool to integrate the heterogeneous environment

- 1 Open standards based connection SAP XI 👄 IBM WebSphere
- (2) IBM Adapter and open-standards based connection IBM WebSphere ⇔ SAP Application
- 3 SAP Adapter based connection SAP XI ⇔ Legacy Application



## IBM & SAP Portals Interoperability – Overview Example architecture

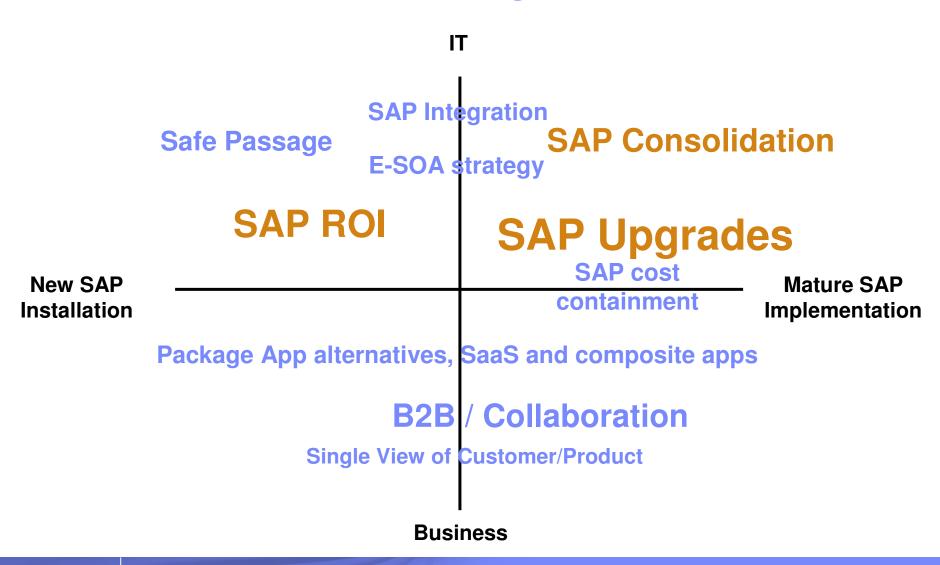


Portal-in-Portal: iFrame/URL integration of SAP NetWeaver Portal in WebSphere Portal

**WebSphere Portal SAP Integration** 

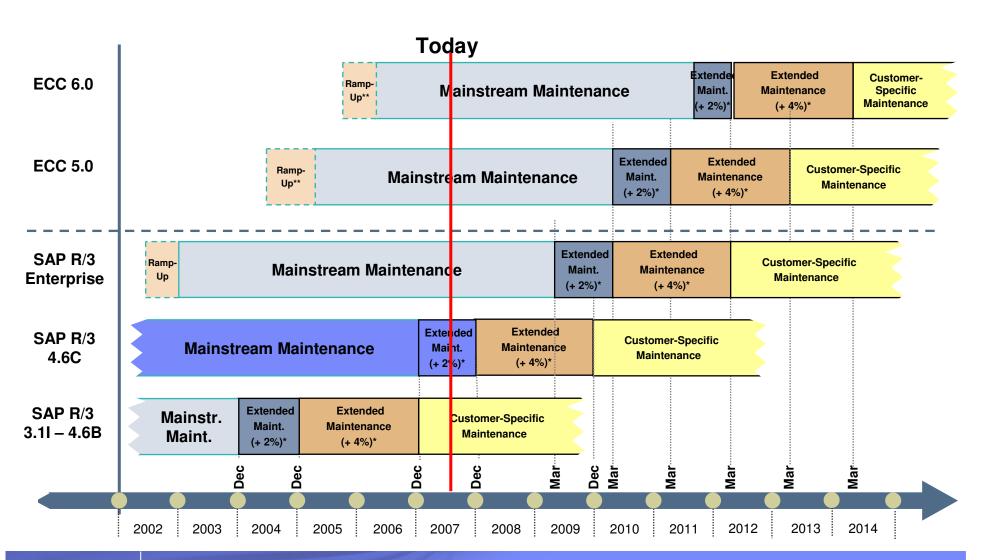


## How can we help you? Common SAP-related themes among our clients



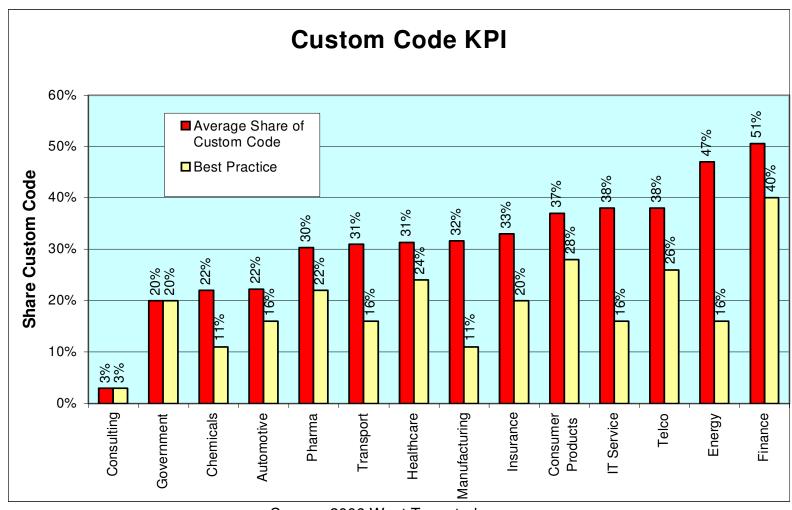


### The 5-year Cycle for SAP Upgrades





# The reality: Packaged applications are no longer "off the shelf". Heavy customization has most customers struggling



## IBM's Value Acceleration Plan. A quantitative and individually tailored approach for our SAP customers

#### Sample SAP Value Acceleration Plan......

- Step 1: Benchmark your SAP deployment against best practices
  - Deliverable: Analysis of current deployment in terms of level of custom code in SAP system and potential for elimination or migration
- Step 2: Build your roadmap and vision
  - Deliverable: Roadmap optimized for SAP
- Step 3: Bridge your business and IT gap
  - Deliverable: Deployment plan
- Step 4: Define the solution / proposal

The plan is tailored to fit your specific needs and timeframe



#### Data collection tool: Insight for mySAP ERP

#### **IBM Insight for mySAP ERP**

Results of Analysis for Customer XYZ

R/3 System: PRD

Wednesday, August 23, 2006 - Saturday, August 26, 2006

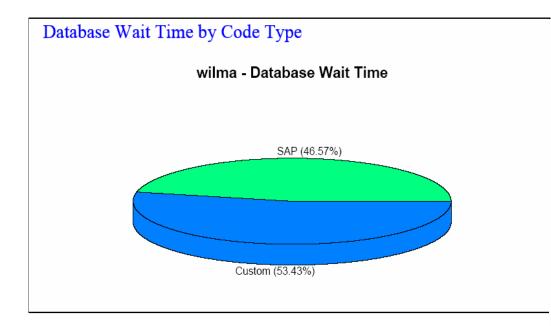
Report Prepared by IBM America's Techline September 14, 2006

http://www.ibm.com/erp/sap/insight

- Automated tool collects information about SAP execution over a 3 day period
- Focus is on top 20 transactions in use
  - Share of custom vs. standard SAP
  - System Performance



### **Example output**



In this example, you can see a preponderance of custom code and it's impact on the database.

These programs would be inspected by our team

#### Top Transactions by Database Wait Time

Time (s)	%	Steps	Avg (s)	Module	TCode/Report
323195	6.4	17792	18.2	BC	RBDAPP01
299145	5.9	3251726	0.1	BC	OATMOOT1
257499	5.1	10827	23.8	OT	ZVTX_CALL_RFC
217789	4.3	172	1266.2	OT	ZRPV0092
185526	3.7	689576	0.3	SD	VAUI
143864	2.9	1378647	0.1	BC	RSM13000
142656	2.8	6227	22.9	SD	RV50SBT1
128597	2.6	6924	18.6	SD	SDBILLDL
84222	1.7	6135	13.7	OT	ZVTX_SEQUENCE
82511	1.6	115	717.5	PM	DIÓMEI 50
81641	1.6	80	1020.5	OT	ZUTS5200
80633	1.6	206	391.4	OT	ZRESCHED VBBE
60322	1.2	64	942.5	FI	DEITEMOL
58596	1.2	75	781.3	OT	ZOTVL17A
56050	1.1	18812	3.0	SD	KSNAS100
52858	1.0	35	1510.2	OT	ZRPV491B
52275	1.0	81	645.4	OT	ZRPV0095
51938	1.0	26	1997.6	OT	ZRPV463A
51389	1.0	38	1352.4	OT	ZUTV411A
47485	0.9	44	1079.2	SD	DV21A010
45774	0.9	187	244.8	OT	ZRESCHED
44420	0.9	160562	0.3	PM	1W51
44261	0.9	32	1383.2	SD	S3VBRKDLS
43793	0.9	35	1251.3	OT	ZRPV0019
43620	0.9	18	2423.3	OT	ZOTVV06A
43420	0.9	21	2067.6	OT	ZRPV482A
41796	0.8	97	430.9	OT	ZUTI441A
41114	0.8	188530	0.2	SD	VA02
40843	0.8	185297	0.2	OT	ZV33
39845	0.8	26	1532.5	OT	ZRPF425A
38200	0.8	100	382.0	BC	DDDMANIN
36458	0.7	40	911.5	OT	ZRPV0044
33361	0.7	38	877.9	OT	ZRPF414A