



捷達世(鴻海科技)SAP等系統整合與應用 心路歷程分享

捷達世(鴻海科技)中央IT
資深經理 羅聖淇



CREATED WITH LOTUS® SYMPHONY™



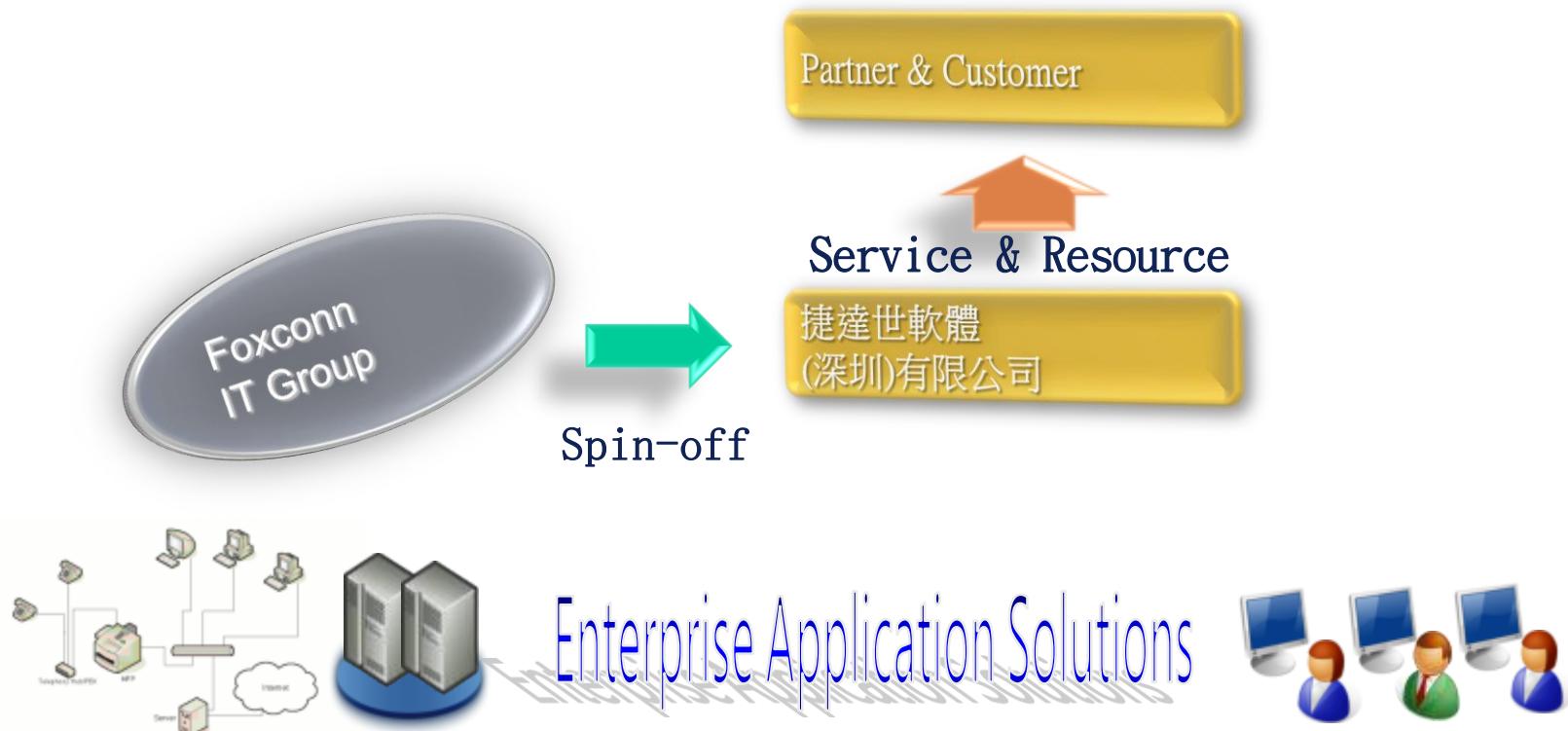
Agenda

- 捷達世公司簡介
- 富士康**SAP**使用經驗
- **SAP**使用問題點
- 問題分析
- 改善對策
- IBM解決方案
- 富士康**SAP Saving**成功案例
- 獲得效益

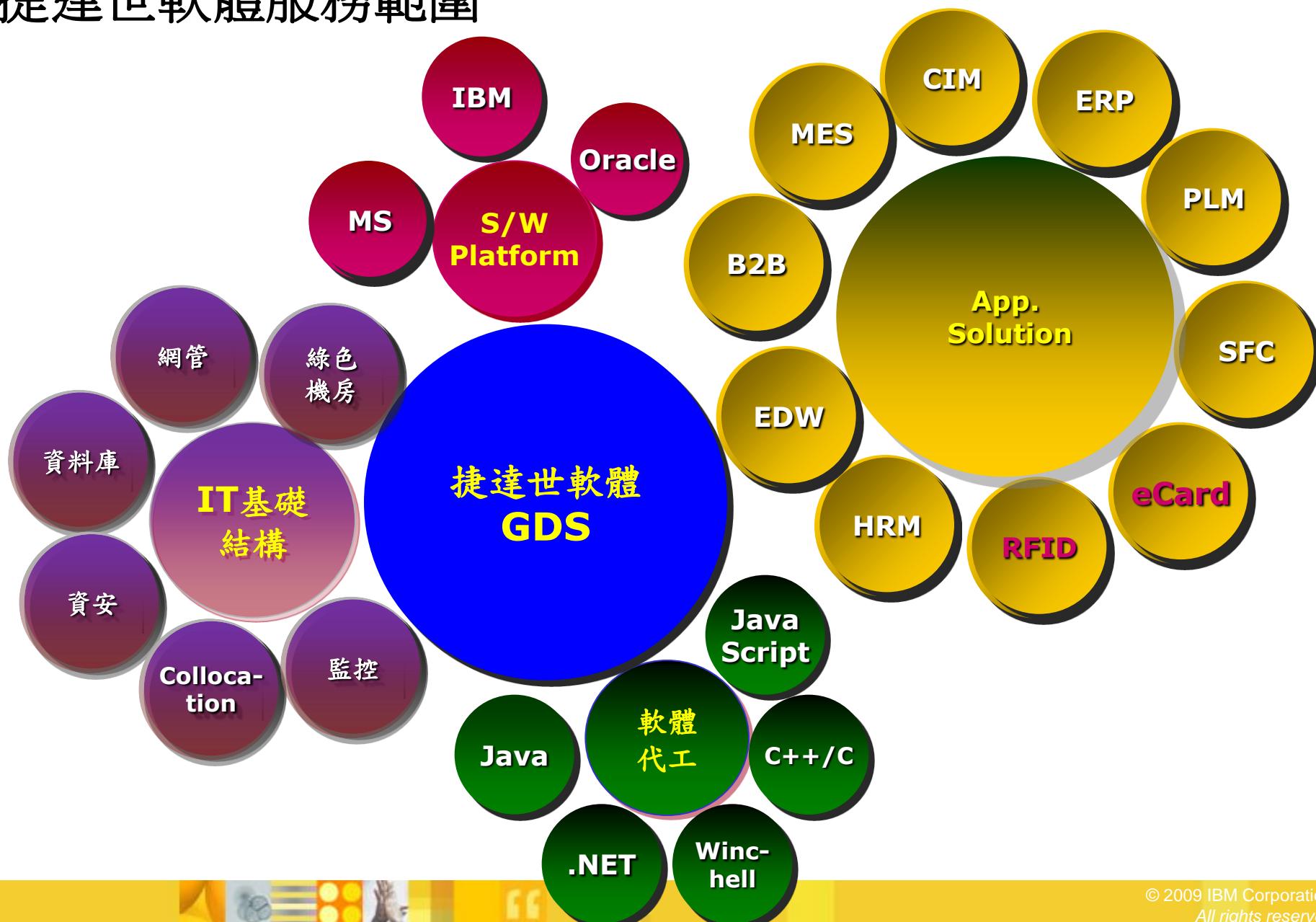
捷達世公司簡介

關於捷達世GDS

- 捷達世為富士康集團旗下軟體代工事業，本著為客戶提供品質、速度、工程能力、彈性與成本服務精神，積累了富士康全球國際佈局設計能力，著重集團企業流程管理，提高企業競爭能力，並創造價值與利潤。
- 捷達世(**Global Delivery Service, GDS**)包含資訊基礎建設、應用軟體顧問服務、軟體委外代工等為企業提供全方位而且完整的資訊專業服務。

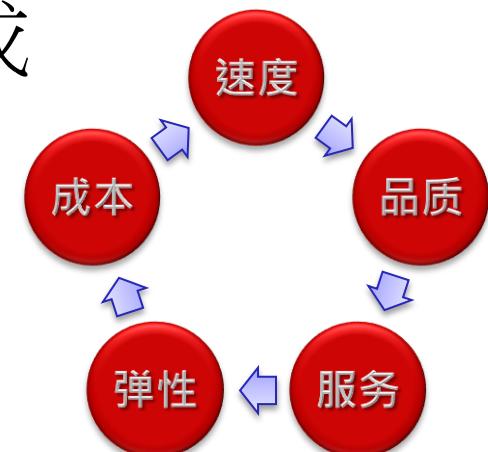


捷達世軟體服務範圍



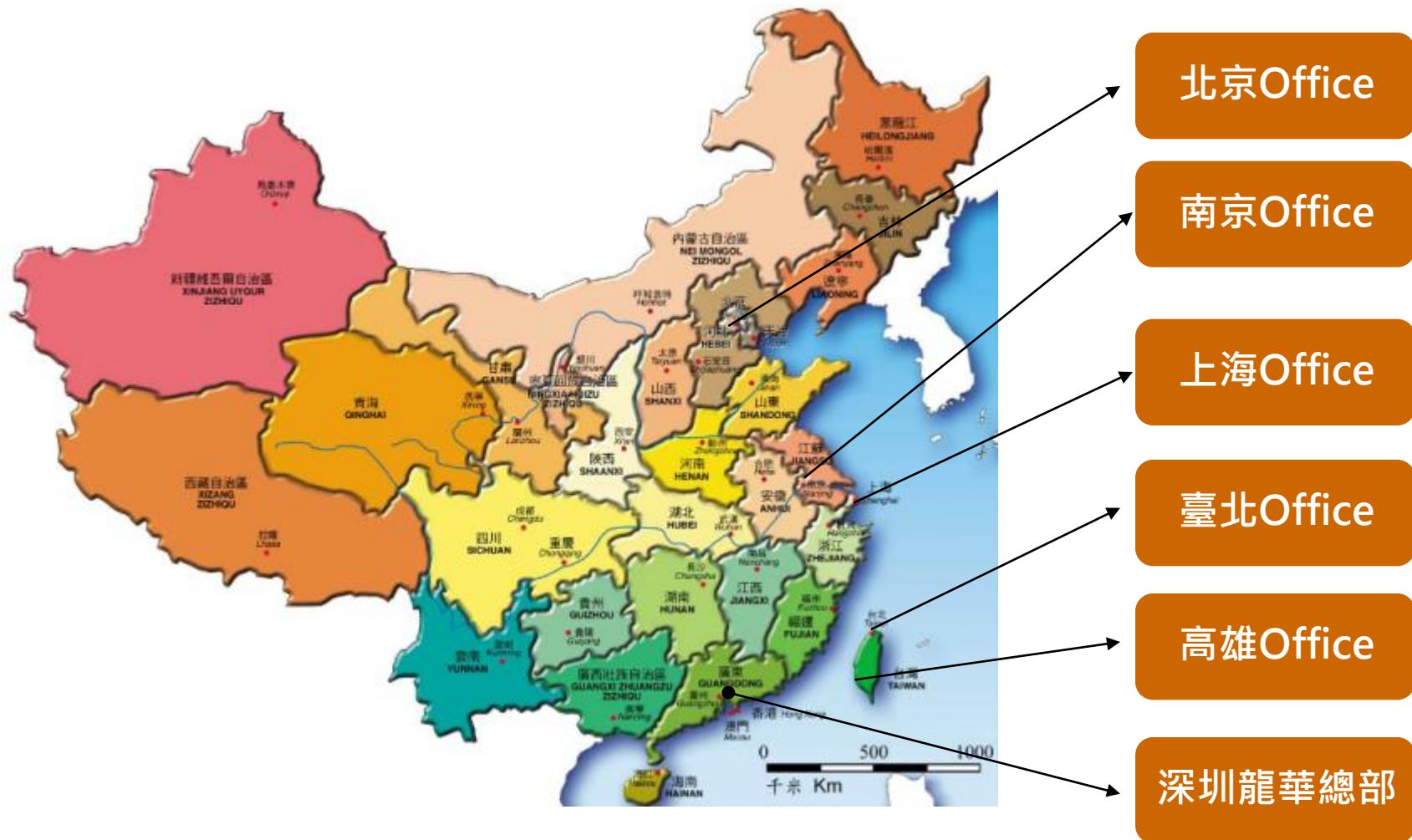
對客戶的承諾

- ◆ **速度**：擁有完整的企業系統集成
- ◆ **品質**：通過CMMI L2/3認證
推動CMMI L4/5認證
- ◆ **服務**：通過ISO 20000認證
- ◆ **彈性**：採取SOA的集成特點
- ◆ **成本**：系統是以世界頂尖套裝產品為開發建置的標準，並提供個別客制的解決方案



GDS服務據點

為給大中華地區客戶提供更直接、快速的服務，目前已在深圳、上海、北京、南京、臺北、高雄都有服務的據點

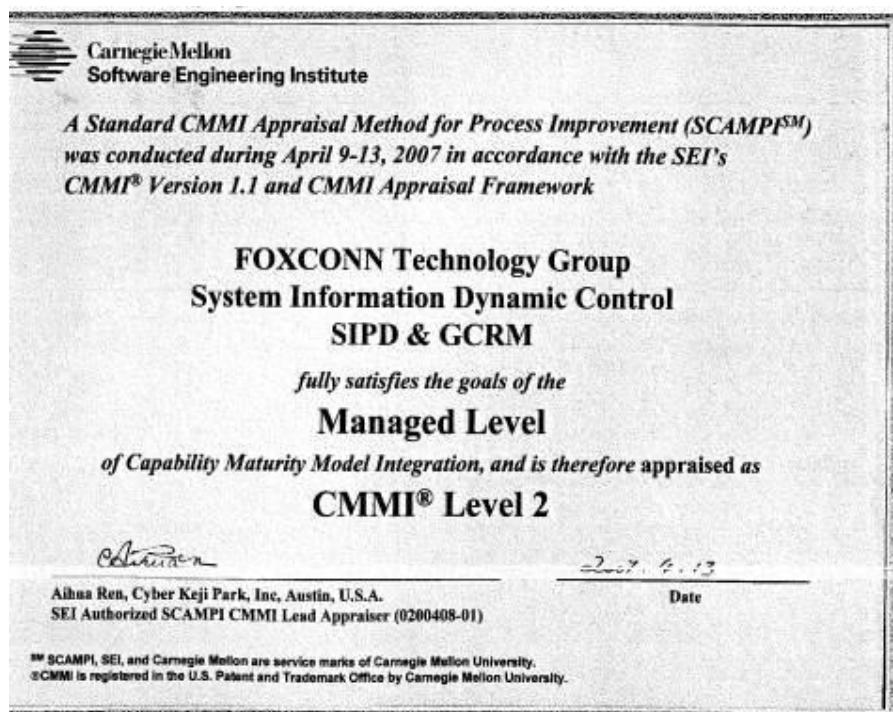


全球Solution推廣應用狀況

- ◆ 全球擁有10個國家據點



品質-捷達世通過CMMI L2 & L3認證



服務-捷達世通過ISO 20000認證

證書 CN0931455

下述組織

FOXCONN

富士康科技集團

捷達世軟件(深圳)有限公司



中國廣東省深圳市寶安區龍華街道辦
油松第十工業區東環二路二號

的管理體系已經通過審核，並被證明符合下述要求

ISO 20000-1:2005

所涉及的活動範圍覆蓋

富士康科技集團 捷達世軟件(深圳)有限公司提供給富士康科技集團
系統用戶和外部客戶的資訊科技服務，其內容包含服務台、
軟件開發、基礎設施運維與支持，以及項目管理

如需進一步澄清該證書的範圍以及對 ISO 20000-1:2005 要求的適用程度，可向組織查詢獲得。

該證書的有效期自 2009-07-21 至 2012-07-20

並須經過符合要求的監督審核保持有效

持續認證需在 2012-06-26 之前執行

版本號 1. 初始註冊日期 2009-07

SGS 參考編碼 CN0931455

簽署

A handwritten signature in black ink, appearing to read "Liu".

itSMF
ISO/IEC 20000

SGS 香港通用公證行有限公司 - 國際認證服務部
香港沙田小瀝源安耀街 2 號新都廣場 20 樓
t +852 27653620 f +852 23332257 www.sgs.com

富士康SAP使用經驗



富士康SAP使用經驗

- 2000/Q3~2001/Q1:
 - Form Foxconn SAP Team, and team with PWC consultants implementing project.
- 2001 Q2~Q4 :
 - Form and built Foxconn Europe SAP team, Implementing SAP project in Foxconn Factory
- 2002 Q1~Q4:
 - SAP team implementing project in 個人電腦事業群
- 2003 Q1~2004 Q2:
 - SAP team in 個人電腦事業群
- 2002 Q1~Q4:
 - SAP team implementing project in 消費性電子事業群
- 2002 Q4~2003 Q4:
 - SAP project team implementing 手機事業群
- 2003 Q4~2004 Q2:
 - SAP team implementing 手機事業群(其他廠區)
- 2004 Q1~Q4:
 - SAP team implementing 手機事業群(其他廠區)
- 2005~2009: Help to build the SAP team for 手機事業群(其他廠區)

Foxconn SAP teams:

- Total with 9 SAP teams within Foxconn
- Over 200+ SAP implementation members within Foxconn group



SAP使用問題點

NO	問題分類	說明
1	用戶 角色多	經管/企劃/會計/生管/采購/倉庫/工程/供應鏈/ 物控/交管/財務/IT-SUPPORT/SDCC
2	費用昂貴	用戶數太多 ，SAP License 昂貴
3	維護成本高	•SAP後端使用超級電腦， 成本高
4	用戶新需求不斷	•SAP 客製化成本高 •影響SAP標準功能風險增高
5	教育訓練	•終端用戶 學習SAP使用介面困難 •資訊人員學習 SAP維護/開發技術週期很長
6	技術人才	人才培養困難 ，留才困難



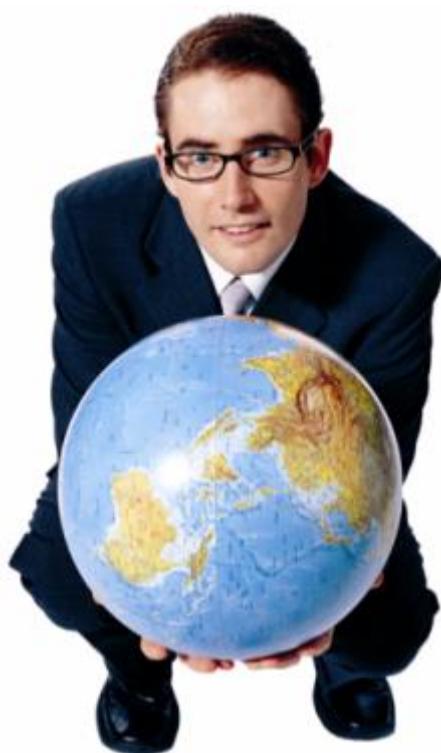
問題分析

- 每個角色都需要 基層員工->課長->經理，三個層級的審核機制，過於浪費**SAP License**。
- 每個單位隨著時間不同，有不同的流程，產生不同的需求，IT人員疲於修改**SAP**系統，導致風險增高，系統越來越慢。
- 終端用戶培訓時間很長，不如**Web**系統直覺好用。
- 資訊人員培訓困難，留才更加困難。

Challenges



改善對策



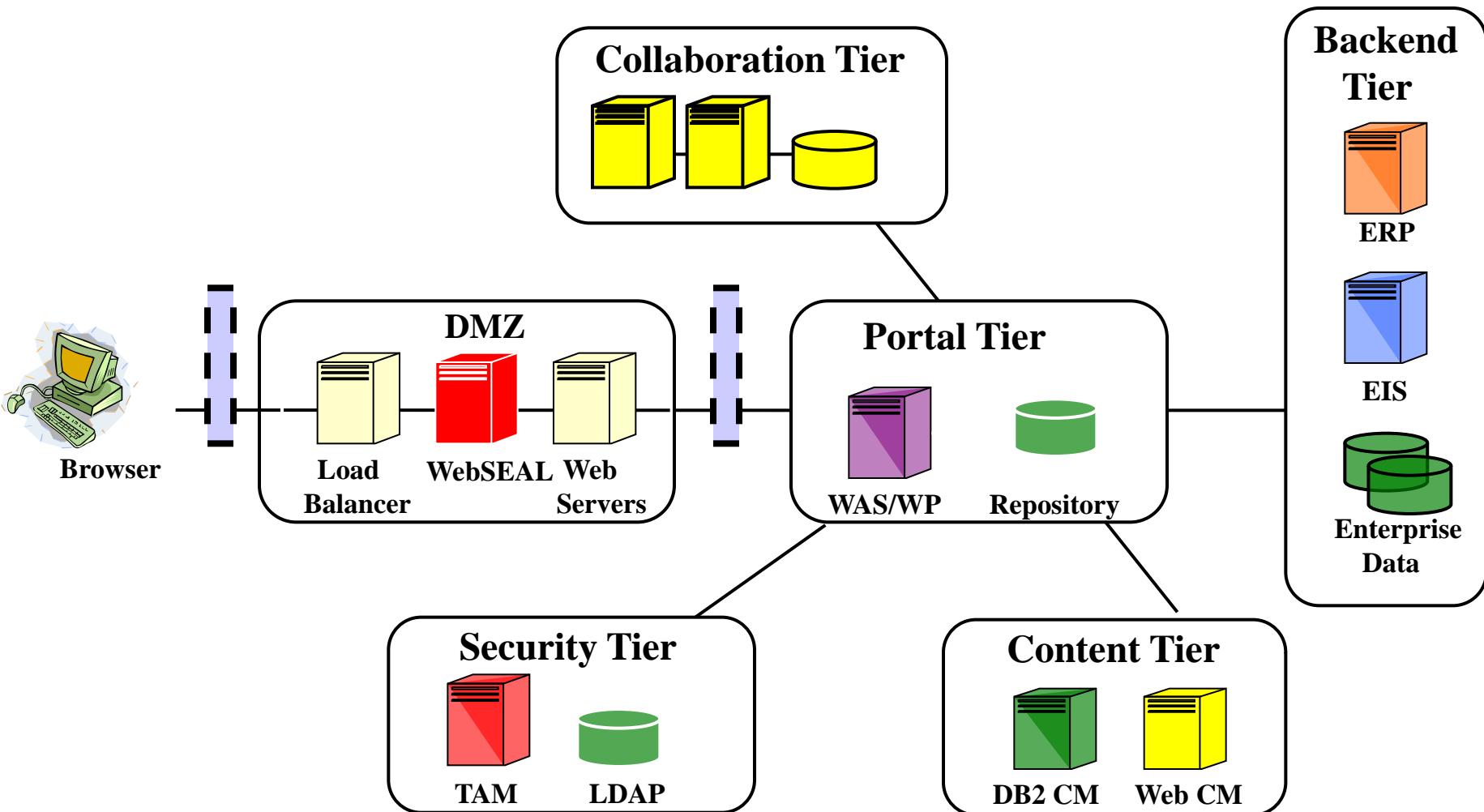
NO	改善方案
1	1.針對大量用戶業務流程，將作業改由 Web 介面輸入資訊。 2.中層主管 審核 流程不在 SAP 系統進行，改由 外掛Work Flow引擎 取代。
2	人員由 Web 輸入介面取代 SAP 操作， 減少License費用 。
3	SAP 資源得到合理運用， 降低伺服器的負載率 。
4	新需求 進行審慎評估，盡量 交由外掛系統處理 ，只需將結果傳回 SAP 。
5	用戶教育訓練改由 Web 介面，教育訓練簡單易懂。
6	SAP 人才專注 SAP 運營業務， 減少對SAP專業人才的依賴 。



IBM解決方案



WebSphere Portal Production Architecture



IBM Provides Collaborative Capabilities

In Context Of How People Work

E-mail,
Calendar,
Contacts



Instant
Messaging,
Web Conferencing



Documents,
Presentations,
Spreadsheets



Contact
Information,
Skills, Expertise



Shared
Documents



Communities,
Discussions
Blogs/Wikis



Shared
Bookmarking

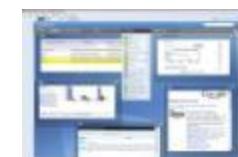


A composite screenshot of the IBM Lotusphere interface. It shows a messaging window with a profile picture, a calendar view with several events, and a document library view where a user is uploading files. The interface is designed to look like a desktop application with multiple windows open simultaneously.

Activites/
Project
Management



Composite
Applications
Business Mashups



Telephony,
Video, VOIP



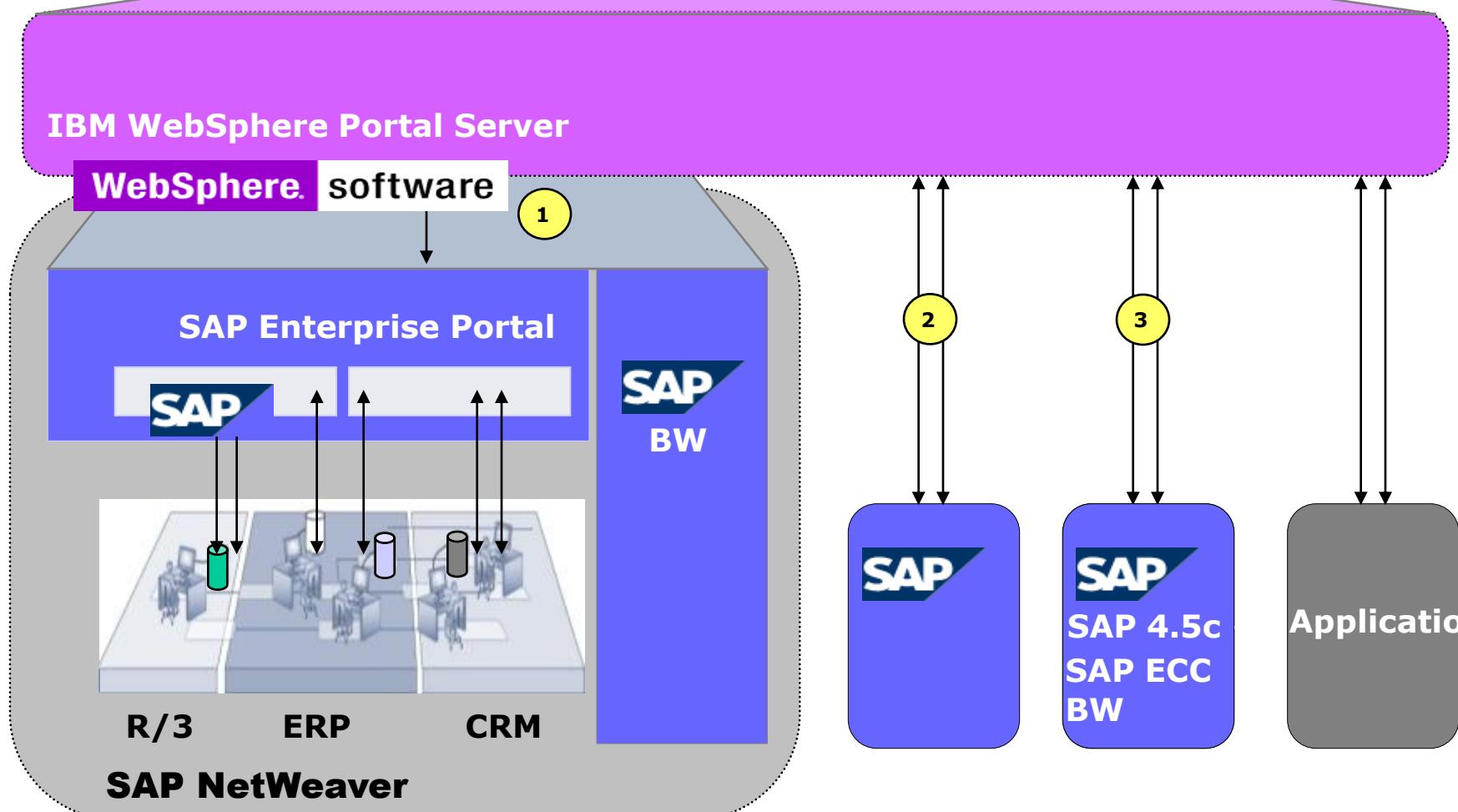
Electronic
forms



Scorecards,
Business
Intelligence

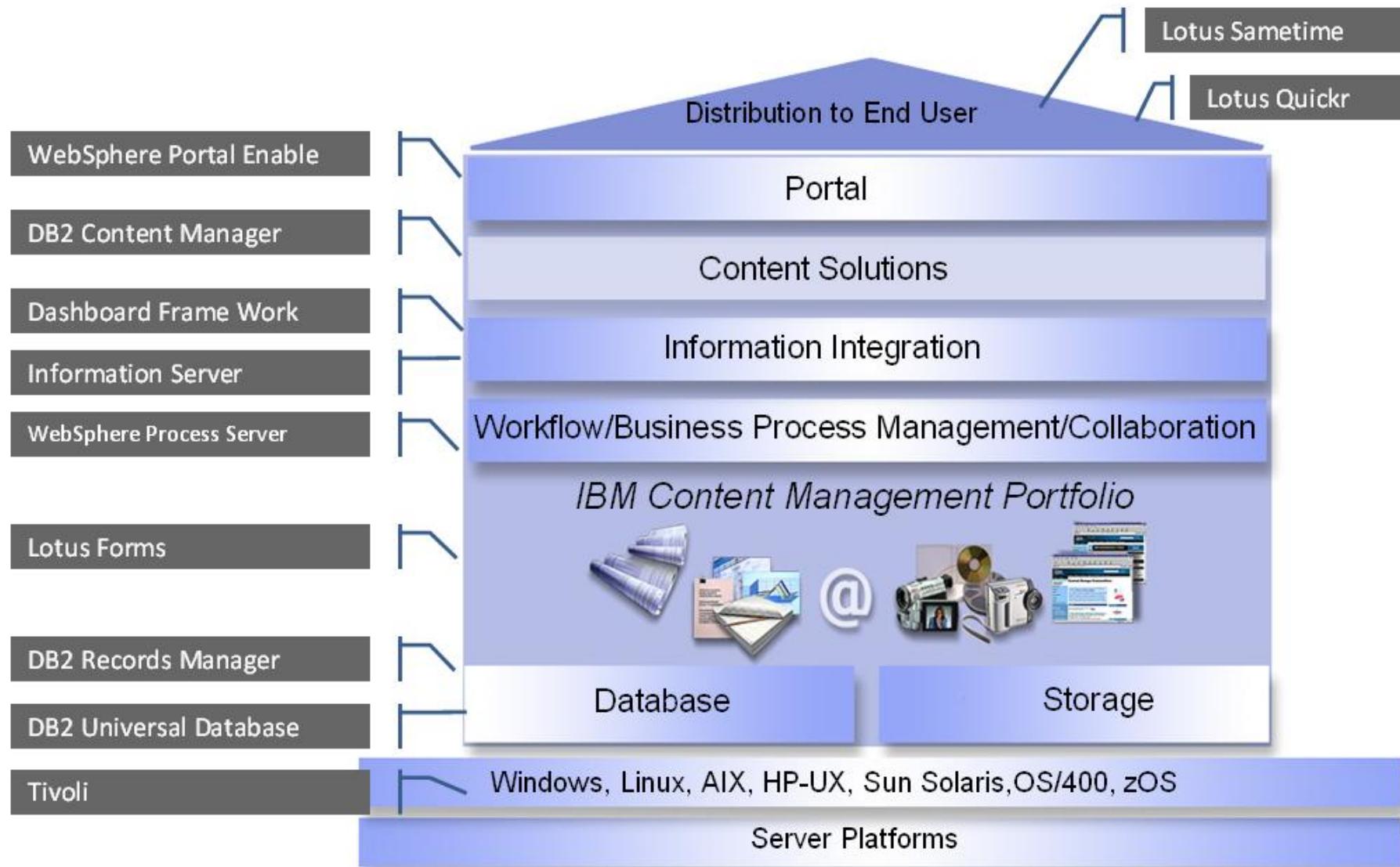


IBM & SAP Portals Interoperability - Overview



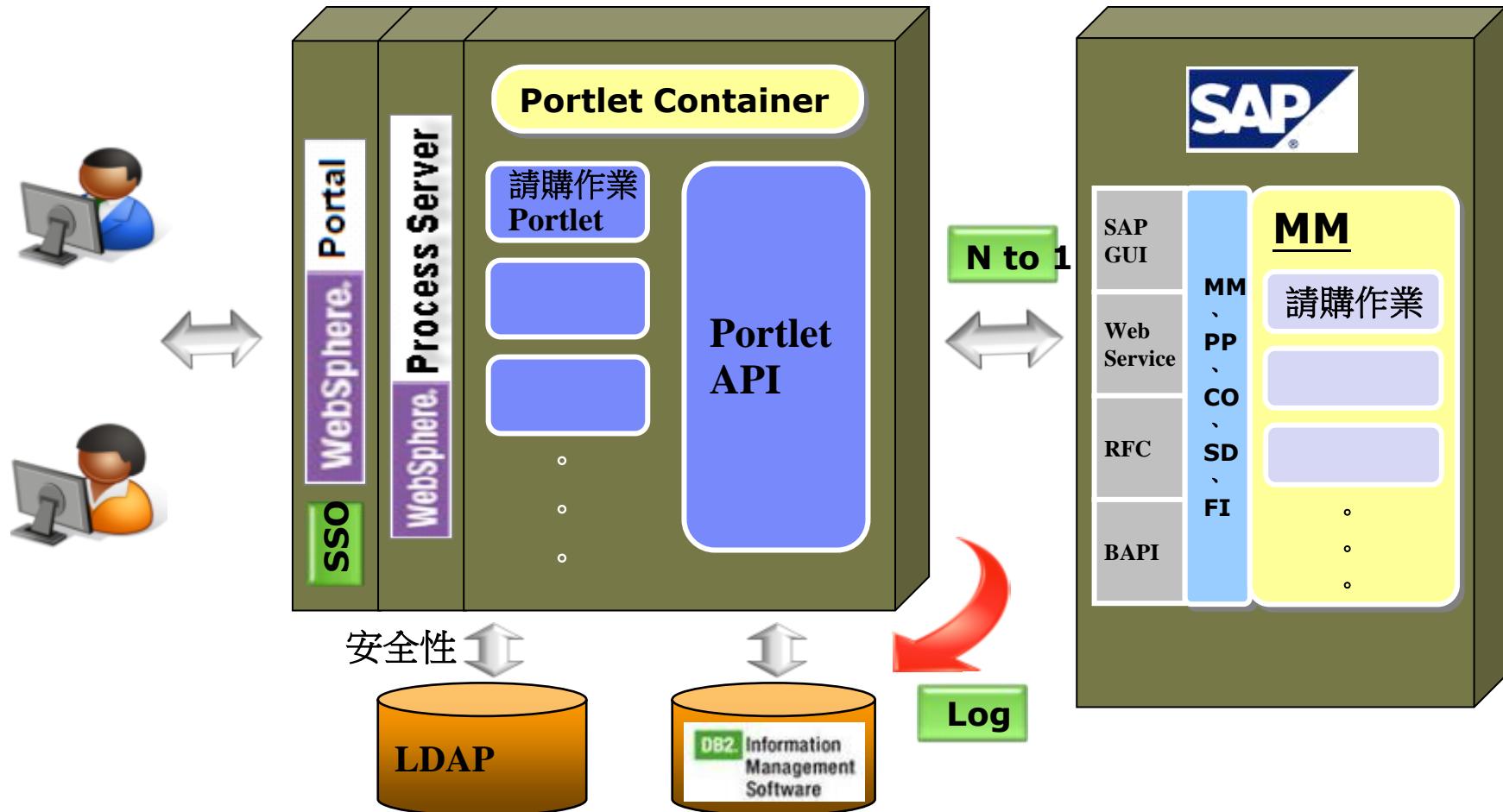
- ① Portal-in-Portal: iFrame/URL integration of SAP NetWeaver Portal in WebSphere Portal**
- ② WebSphere Portal SAP Integration via ESB**
- ③ WebSphere Portal SAP Integration via SAPJCO (SAP Java API – same as iView access)**

Portal Solution Structure



技術解決方案

系統功能架構圖



富士康成功案例

GDS Enterprise Portal Architecture

EIP (Enterprise Information Portal)

Basic

公司資訊

新聞公告

規章制度

政令宣導

公共服務

日歷,氣象

Blog/WIKI

Forum/IM

搜索服務

統一搜索

引擎技術

企業目錄

管理功能

用戶管理

角色管理

權限管理

Personalization

自助服務

新聞訂閱

文檔管理

頁面配置

人事行政

考勤作業

教育訓練

個人行程

工作管理

任務管理

工作計劃

會議管理

個性化服務

企業級服務

團隊級服務

用戶級服務

Integration

統一認證平臺

OA集成平臺

統一支付平臺

數據交換平臺

內容整合服務

數據整合服務

應用整合服務

電子商務服務

Collaboration

安全技術

郵件服務

通訊錄服務

消息服務

數據共用與交換

應用管理

應用介面標準

用 戶 數 據 標 準

流程管理

信 息 數 據 標 準

服 務 管 理

ERP

HR

Content Management

Collaboration

CRM

SCM

Financial System

FOXCONN SAP整合成功案例

Cognos

企業商務智能報表

Lotus SameTime

視訊會議、VoIP網路
電話、企業內部IM

WPS Message Queue

企業資料交換
業務流程管理

Lotus Domino

資料備援及郵件管理

**WEMP/
Lotus Expeditor**

行動辦公室、
手機行銷、衛星導航

Lotus Forms

存取權限管理、
數位資訊保全

SAP

e-Procurement

電子採購平臺

BI

商業智慧

WorkFlow

電子簽核

e-Invoice

電子發票

SCM

供應鏈管理

e-Logistics

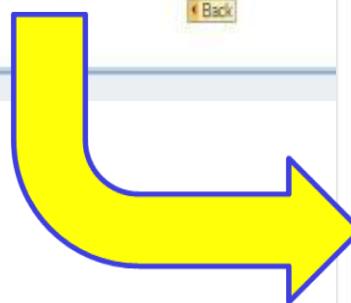
物流管理

ESB 企業資料交換

Websphere Portal Server

Portal、Workflow、企業搜尋引擎、知識分享

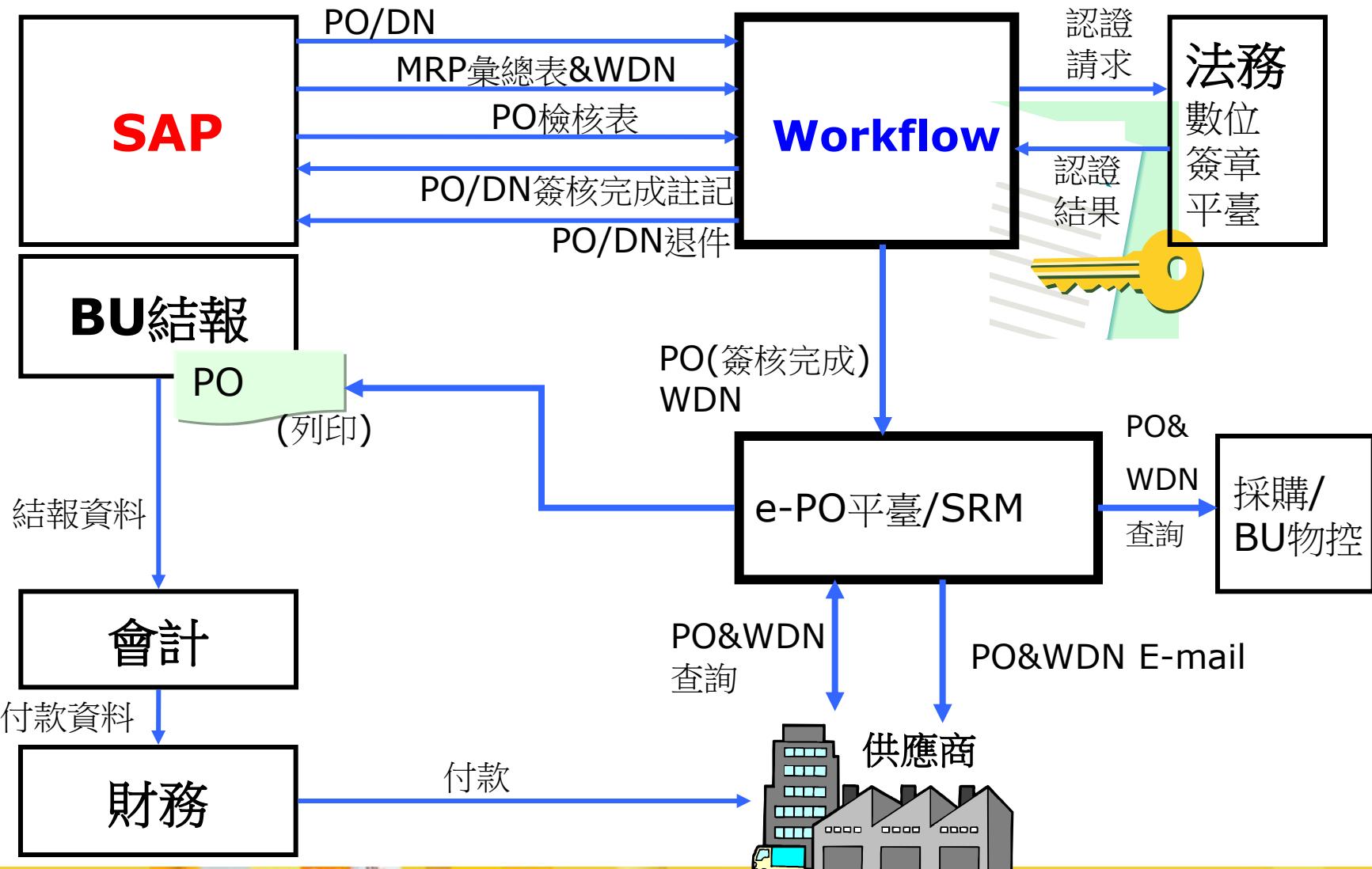
一. BI商務智慧系統



透過頁面整合Portlet，
可以快速且無縫地集成
SAP系統

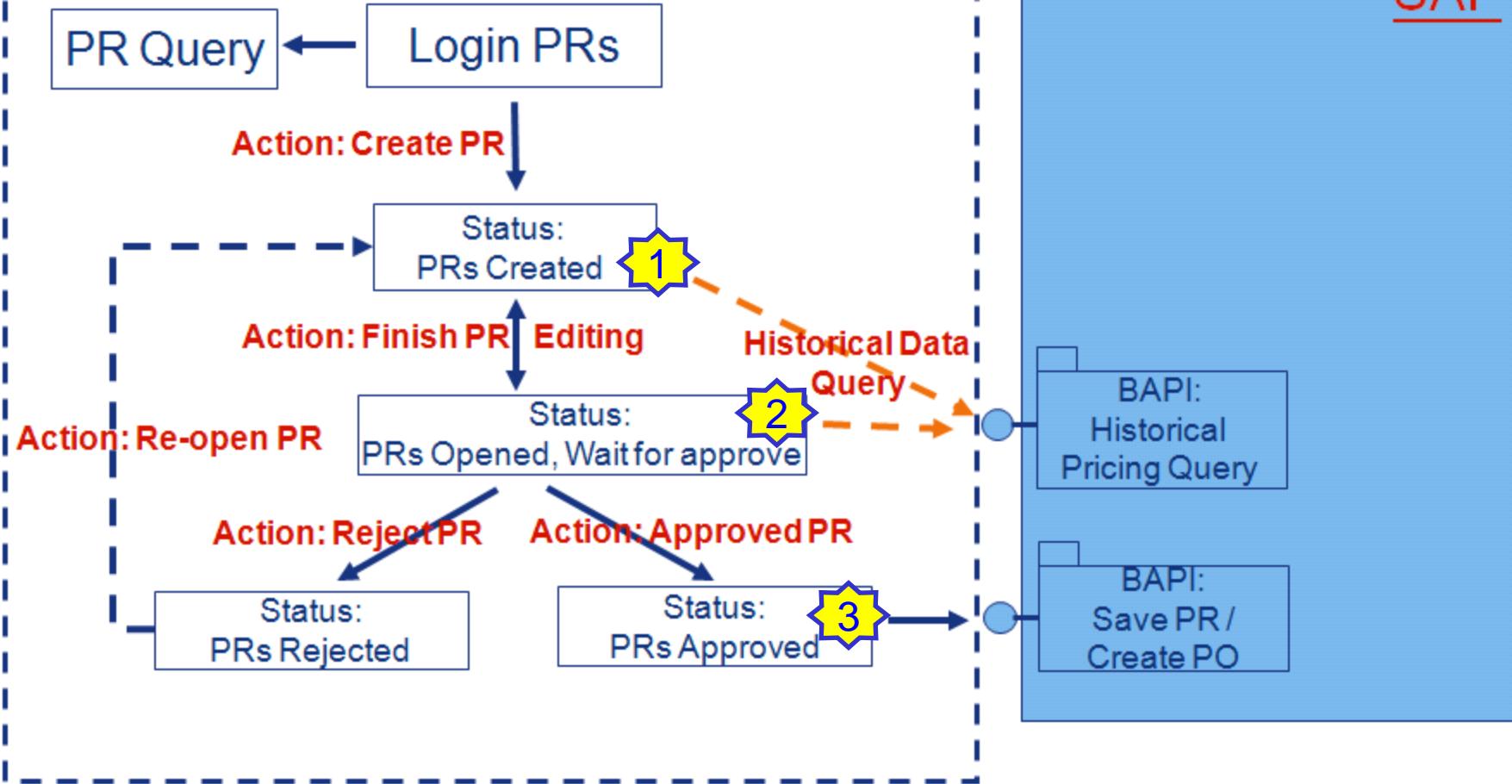


二. WorkFlow電子簽核系統架構



範例-請購單開立流程

Websphere Portal + Process Sever



Workflow電子簽核—PO發起

PO審核資料

[Help]

 按急件方式發送

一. PO檢核表

BJEPCII 採購部門供應鏈管理

PO單據資料													
PO NO	PO Date	Vendor Code	Vendor Name	Creator	AMT	Payment Term	Delivery Term	Currency	Account	Insurance	倉庫	倉庫名稱	地點或地址
PO-590493	2006/9/26	VFE021	FOX ELEC	呂玉娥	FOX	N=60天 發票日第 60天	CIFOL	CIF HK	USD	To be covered by FOX ELECTRONICS	NDLJPC	平和特良易處 (RHS)	ENTERPRISE PARKWAY FORT M

**點擊可查看SAP
物料MRP信息**

PO單據資料																
Item	WID	Unit	Qty	Unit Price	BN Account	WDN	交貨區	到場日	Exce	Allocation	LT	PO NO	PO Date	P rate	CD Rate	Amount

二. MRP報表(版本kZ)

從ERP系統自動帶出 上傳附檔

若選擇“**從SAP系統自動帶出**”，
則立即顯示該訂單所有物料的MRP
信息,若選擇“**上傳附檔**”，則可人
工附加MRP文檔。WDN亦如此。

三. WDN附件

從ERP系統自動帶出 上傳附檔

四. 請購單附件

五. 其他附件

保存草稿 發送 不同意 列印 關閉

PO查詢及下載

PURCHASE ORDER

ISSUED TO: 供應商 VNS181	ORDER DATE: 訂單日期 20060817																												
NVIDIA SINGAPORE PTE.LTD.	ORDER NO.: 訂單號碼 Pv1-580180																												
SUITE 1004-1006, 10/F, CENTRAL PLAZA, 18 HAUBOUR ROAD, WANCHAI, HONG KONG	BU CODE: 區域 CSZ-PCEBG-DM01																												
CURRENCY: USD PRICE TERM: EX FACTORY																													
<table border="1"> <thead> <tr> <th>Item No.</th> <th>Part No. & Description 件號/品名/規格</th> <th>REV. 版號</th> <th>Unit 單位</th> <th>Quantity 數量</th> <th>Unit Price 單價</th> <th>Total 總價</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HK564-LF CS,C51PV,PBGA468,A2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>MK564-LF CS,MCP51Q,PBGA508,A1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"></td> <td>SAY TOTAL USD TWO MILL</td> </tr> </tbody> </table>		Item No.	Part No. & Description 件號/品名/規格	REV. 版號	Unit 單位	Quantity 數量	Unit Price 單價	Total 總價	1	HK564-LF CS,C51PV,PBGA468,A2						2	MK564-LF CS,MCP51Q,PBGA508,A1												SAY TOTAL USD TWO MILL
Item No.	Part No. & Description 件號/品名/規格	REV. 版號	Unit 單位	Quantity 數量	Unit Price 單價	Total 總價																							
1	HK564-LF CS,C51PV,PBGA468,A2																												
2	MK564-LF CS,MCP51Q,PBGA508,A1																												
						SAY TOTAL USD TWO MILL																							
<p>供應商接到的訂單只顯示物控訂單處理人員，物控訂單最高審核主管，採購訂單處理人員及採購訂單最高審核主管。</p>																													
<p>1. Shipment: To be effected 此運費</p> <p>2. Payment: <input checked="" type="checkbox"/> 積費 <input type="checkbox"/> 應收 <input checked="" type="checkbox"/> INVOICE</p> <p>付款條件:</p> <p>3. Manufacturer: 製造商 45 DAYS AFTER IR</p> <p>4. Insurance: To be covered by 保險 NVIDIA</p> <p>5. Packing: Standard Export Packing</p> <p>色 畫</p> <p>6. Inspection: Manufacturer's inspection report shall be attached 檢驗 to the shipping documents.</p> <p>This Order is entered subject to: 1). issuance of our Daily Delivery Notice; 2). terms and conditions provided in the following precedency-Delivery Notice, Order, Purchase Agreement executed by both parties and General Conditions heretofore attached.</p> <p>8. Please quote this P.O. No on all documents sent to us. All original invoices should be mailed to buyers with address informed from time to time. And all delivery notes should be attached for verification.</p> <p>Seller's acknowledgment:</p> <p>Note: Please return acknowledgement copy to us within 48 hours, otherwise this Order shall be deemed unacceptable by seller.</p>																													
<p>Buyer Inquiry to Seller:</p> <table border="1"> <tr> <td>DMXDX 陳添靜 2006/8/23 8:30</td> <td>Submit</td> </tr> <tr> <td>DMXDX 陳添靜 2006/8/23 9:30</td> <td>Approve</td> </tr> <tr> <td>GPO 曹紅星 2006/8/23 10:00</td> <td>Approve</td> </tr> </table> <p>Authorizations</p>		DMXDX 陳添靜 2006/8/23 8:30	Submit	DMXDX 陳添靜 2006/8/23 9:30	Approve	GPO 曹紅星 2006/8/23 10:00	Approve																						
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GPO 曹紅星 2006/8/23 10:00	Approve																												

General Conditions

Unless otherwise specified in this Order or agreed by both buyer and seller to the transaction conducted under this Order:

- Price**
The price provided in this Order shall include taxes, duties and other charges. Seller warrants that the price of the Products named in this Order is the net price, i.e. the date of this Order for comparable quantities of similar products.
- Payment**
Days of Credit: Net 30 days. Days after the date of delivery by either of (i) any appropriate notice from Buyer, or (ii) any corresponding Product Payment by Buyer shall not be construed as a rejection, but rather as a right to reject the Products delivered thereafter. Buyer may choose from valid notice to cancel and return from Seller to Buyer.
- Change**
Buyer reserves the right to make changes in the work to be performed on the Products to be delivered by Seller relating to, but not limited to, the following: (i) design or specification, (ii) method of manufacture or packing (unless and in place of Seller's), and (iii) the quantity of items ordered. Such change clearly defines the date of the delivery schedule, an equitable adjustment will be made, provided that Seller claims no value for such adjustment prior to shipment. If the price is to be adjusted, it is the agreed mechanism for adjustment. Buyer may terminate the order or re-order under this Order without liability.
- Delivery and Receipt**
Seller shall deliver the ordered Products pursuant to this Order in accordance with delivery requirements specified therein. In the event that any shipment will be delayed more than three (3) days, the Buyer's option to have the shall ship such Products by truck or equivalent mode of transport may be utilized, and in such event, Seller shall inform the Seller Acceptance by Buyer of the delivery shall not be due with notice of Buyer's rights to claim for damage or deteriorating therefore. The Products shall be paid for promptly on completion, with delivery confirmed in physical shape to Products during transportation and storage. Seller shall be liable for any damage, loss, and/or incurred by Buyer in the handling and subsequent packing.
- Inspection and Acceptance**
Final inspection and acceptance shall be after delivery to Buyer. Subject Buyer shall inspect the Products within a reasonable time after receiving the Products. Except for replacement of Products that do not release Seller from any responsibility regarding claim in a particular jurisdiction which may be determined during acceptance period, or for basic defect.
- Defective Products**
If any Product is not in conformance with the specification required by Buyer at the reception of the Order, Buyer may inspect the nonconforming Products for replacement, removal of Seller's expense, (i) repair the nonconforming Products and resell them, (ii) replace the nonconforming Products and retain the original relationship in price, (iii) withdrawally reject the Product under 1. provided that Buyer may formally accept the nonconforming Products and retain the original relationship in price, (iv) withdrawally reject the Product under 1. provided that Buyer may formally accept the nonconforming Products and retain the original relationship in price, (v) withdrawally reject the nonconforming Products, procure another Product in substance and demand for additional costs for such substitution under (iv) can be any the right provided under applicable law. If Buyer fails to return the nonconforming Products for replacement or removal, Seller shall deliver mandatory replacement as specified in Date to Buyer no later than five (5) days from the receipt of the nonconforming Products.
- Warranty**
Seller warrants that all Products shall be in conformance with the IBM standard warranty and applicable laws.

此頁為由法務律師擬訂的合約條文

Upon acceptance of this Order or shipment of the Products according to this Order, Seller agrees with and will follow the General Conditions specified herein.

三.e-Procurement電子採購平臺

採購員向供應商詢完物料價格後，經由採購主管審核確認，Portal自動將確認的**價格 / Allocation**拋轉SAP系統，作為訂單開立/物料分配/發票付款之依據。

(1) 詢價結果進行審核拋轉

SAP Business System Test
Price Library

System Menu: Help: 常規
Logout | Admin | Developer | User's Manual | Help

CNSBG目錄查詢 > PC00000012131詳細信息

POCO# : PC00000012131 操作備註 :
CreateUser: F3220000 CreateDate: 2009/7/29 下午 12:36:12
審核狀態: WaitCheck
操作記錄: 檢查 檢查類型 操作人員 檔案 檢查時間
1 Checked: sa(F322000)

操作記錄: 當前頁數: 1

No.	HistoryPrice	Plant	ProjectCode	BUPN	AML	AMLPN	VendorCode	EffectiveFromDate	EffectiveToDate
1	查詢歷史價格	AMEA	PROTNBC0000	568564-001-00	NOCHEC00	USTSE220M00STE	VNC121	2009-09-01 00:00:00	2009-09-30 00:00:00

(2) SAP 系統作為 Info Record 依據

Vendor: Material: Purch.org.: Plant: Info record category: Description:

VNC121 568564-001-00-10 HH02 AMEA 0 Standard

Current condition

Valid from	08/01/2009
Valid to	09/30/2009
Rate	59.00 USD per 1,000 PC

Existing periods

Valid on	Valid to	Rate	Unit	per	U...	DeletionID
02/25/2009	03/31/2009	C 59.00	USD	1,000	PC	
04/06/2009	05/14/2009	C 59.00	USD	1,000	PC	
05/15/2009	06/14/2009	C 59.00	USD	1,000	PC	
06/15/2009	07/31/2009	C 59.00	USD	1,000	PC	
08/01/2009	09/30/2009	C 59.00	USD	1,000	PC	

四. SCM供應鏈管理

訂單

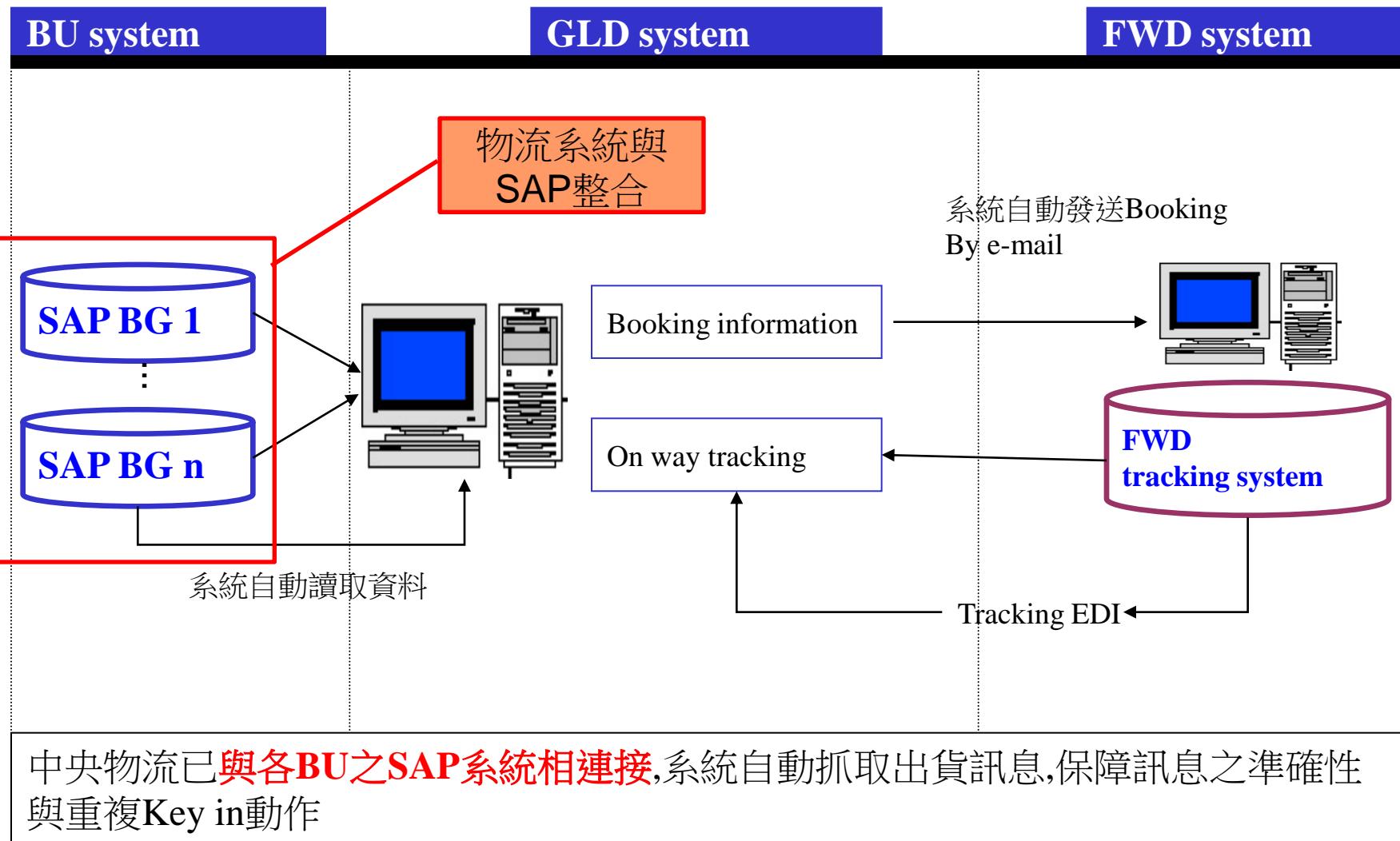
庫存

The screenshot shows the SAP SCM interface with two main sections highlighted by red boxes:

- 訂單 (Order Management):** This section includes a search bar with fields like '客戶事業處', '事業處料號', '供應商料號', '供應商代碼', '供應商名稱', '訂單號碼', '採購代碼', '供應商是否確認' (No Confirm), and '產生日期' (2008/11/10 ~ 2008/11/11). Below it is a table titled '訂單列表' (Order List) with columns: 序號, 訂單號碼, PO 版次, 採購代碼, 採購人姓名, 供應商代碼, 供應商名稱, 客戶事業處, 事業處料號, 供應商料號, 製造商代碼, 代理商代號, 開立時間, 產生日期. A single row is shown with values corresponding to the search criteria.
- 庫存 (Inventory Management):** This section includes a search bar with fields like '事業處代碼', '事業處料號', '供應商代碼', '供應商名稱', '仓库代碼', '狀態' (Good), and '修改時間' (2008/11/9 ~ 2008/11/10). Below it is a table titled '庫存報表' (Inventory Report) with columns: 序號, 事業處代碼, 事業處料號, 事業處料號 版次, 供應商代碼, 供應商名稱, 供應商料號, 供應商料號 版次, 製造商代碼, 單位, 仓库代碼, 狀態, 庫存數量, 在途數量. Four rows are listed, each with values corresponding to the search criteria.

使用Portlet Factory的
SAP構建器調用RFC,
BAPI，可以快速、簡易
地集成SAP功能

五.e-Logistics物流管理



SAP PDA無線掃描進料驗收

1. 使用PDA掃描入庫，系統自動生成**SAP**進料驗收單
2. 避免大量人工錄入，提升BU倉庫作業效率，保証物料准时入庫
3. 實現所有物料在入庫之前行Scan

香港中轉倉交貨單

交貨單號: DMD1212008
事業單位: DMD1
載貨清單: 1000238819457

交貨日期:
交貨車號: SD61212712
收貨人/電話: 楊利強 1331463168
香港車牌: MF4854
大陸車牌: 粵E2M19

接收單號	中轉倉收貨單號	供應商	板數	件數	訂單編號	料件編號
接收單號	中轉倉收貨單號	發票號碼	箱數	數箱數	訂單批次	數量
F01061125025	DMD1061211062	CHEM-CON	11	11	PV16A0050	MH783-LF
F01061125025	DMD1061211062	HCC0121792	11	0	3	720
F01061125407	DMD1061211047	E & E (MCO)	1	11	PV16B0008	FH714-LF
F01061125297	DMD1061211048	E & E (MCO)	1	5	PV16B0008	FH714-LF
F01061125293	DMD1061211053	E & E (MCO)	1	22	PV16B0004	UF887-LF
			22	0	1	6,900

收單總計: 5 箱
列印日期:



SAP

Display Scheduling Agreement : Item Overview

Item	Material	Short text	Tarq.qty.	lo	o	Matl
110	521754-029-00-10	CAP_AL EL,1000UF,+20%	99,999,999	PC	621	
120	558495-001-00-10	CAP_AL EL,470UF,+20%,-	99,999,999	PC	621	

Agreement: 5530007811, Agreement type: LPM, Agmt. date: 09/10/2008
Vendor: VCE341, CAPXON ELECTRONIC INDUSTRIAL, Currency: USD

SAP付款系統自動三單匹配

1. 實現P/O, Invoice, 進料驗收單, 可由系統自動匹配
2. 提高結報效率, 避免人工大量查找.核對文件
3. 避免因付款不及時造成供應商延遲出貨, 影響生產
4. 避免因人工匹配錯誤, 延誤請款

香港中轉倉交貨單

Page 1 of 1

DMD1212008	事業單位: DMD1 交貨倉庫: CMI 收貨人電話: 張利強 6331463168	載貨清單: 1000238619457 香港車牌: MF4854 大陸車牌: 粵E2419
S061212712	單號條形碼 收貨號	中轉倉收貨單號 窗口文單號
	FOX061125025	供應商 發票號碼
		板數 箱數
		件數 散箱數
		訂單號碼 訂單項次
10	DMD1061211062 HCC0121792	11 11 P14-0305 MH783-LF 18680278523
11	FOX061125025 CHEMI-CON	11 11 P14-640111 MH783-LF 18680278523
12	DMD1061211062 HCC0121792	11 0 2 720 KPC
10	FOX06112507 E & E (MCO)	1 11 P-S-680008 FH714-LF 18680278523
11	DMD1061211047 HK257821	11 0 1 4,400 PC
12	FOX06112527 E & E (MCO)	1 5 P-S-680008 FH714-LF 18680278523
13	DMD1061211048 HK257835	5 0 1 2,000 PC
14	FOX06112523 E & E (MCO)	1 22 P-S-680004 UF887-LF 18680278523
15	DMD1061211053 HK257837	22 0 1 8,800 PC

The screenshot shows two SAP application windows side-by-side. The left window is titled '香港中轉倉交貨單' (Delivery Note) and displays a list of items with various fields like quantity, unit, and description. The right window is titled 'Display Invoice Document 5125088566 2006' and shows the corresponding invoice details, including the vendor information (KEMET ELECTRONICS MARKETING (S) PTE LTD, 101 THOMSON RD, #23-03, UNITED SINGAPORE), transaction details (Invoice date: 05/22/2006, Posting date: 05/22/2006, Reference: INV_060522, Amount: 1,260.00), and PO reference (Item Purchase PO Material PO text Quantity Un Qty. CRUIN Open Amount Tax code). A large yellow arrow points from the right window to the left window, indicating the automatic matching process between the two documents.

六.e-Invoice電子發票系統

(1)供應商勾選GRN產生發票

Create Invoice

GRN no: [] Customer code: APPPCBA023 Receive date: [2006/12/17 ~ 2007/1/17] Confirm date: [2007/1/10 ~ 2007/1/17] [查詢]

Query filter: the latest 50 Customer part no: []

Records: 6 Pages: 1 Current Page: 1 [First Page] [Previous Page] [Next Page] [Last Page]

No	GRN No	CUSTOMER PN	Vendor PN	CUSTOMER	PO NO	PO Item	Received Qty	Received time
1	HdV-7101O7	118S0014	RK1003FS10N	APPPCBA023	ddA-710007		50000.00	2007/01/16
2	HdV-7101LZ	117S0008	RK1003JS11N	APPPCBA023	ddA-6B0018		1120000.00	2007/01/16
3	HdV-7101N6	118S0060	RK1212FS17N	APPPCBA023	ddA-710007		20000.00	2007/01/16
4	HdV-7101LA	117S0061	RK2203JS12	Microsoft Internet Explorer			80000.00	2007/01/16
5	HdV-7101OM	117S0061	RK2203JS12				100000.00	2007/01/16
6	HdV-7101OS	117S0093	RK3901JS11				100000.00	2007/01/16

Invoice產生成功!

[確定]

(2)供應商確認發票, 傳給採購審核

Approve

Invoice

Company Name: cyntec
Address: P. O. Box 3152, Road Town, Tortola
Tel: []

Supplier Name: HON HAI PRECISION INDUSTRIAL CO., LTD.
66, chung shan Rd., Tu-chen city Taipei hsien, Taiwan, R.O.C

Bill To: HON HAI PRECISION INDUSTRIAL CO., LTD.
66, chung shan Rd., Tu-chen city Taipei hsien, Taiwan, R.O.C

Invoice No: VCI361070100002
Supplier Invoice No: []
DATE: 2007-01-17
D/O NO: []
PAYMENT TERMS: 出貨日當月結 90天
CURRENCY: USD

(4)經管產生SAP應付帳款

Document overview on: [] Print preview: [] Messages: [] Help: [] Personal setting: []

Standard PO M&R: 4530000001 Vendor: VSE251 SUNWEALTH ELECTRIC Mfg. Doc. date: 07/19/2007

Address: Communications data: Partners: Additional data: Org. data: Status: Customer data: Release: []

Released: Ordered: 16,713 USD
Sent: Delivered: 0 USD
Fully delivered:
Not invoiced:
Due payments:

Item	Material	Short text	PO quantity	Q.	Deliv. date	Net price	Curr.	Per	IO.	Unit
10	B350_00005_935-1L	Fan 20*30*10mm 9500W	600	PC	0/06/26/2007	2,500.00USD	1,000	PC	FC	Hour
20	B350_00005_935-1L	Fan 20*30*10mm 9500W	6,200	PC	0/06/26/2007	2,500.00USD	1,000	PC	FC	Hour
30	B350_00005_935-1L	Fan 20*30*10mm 9500W	3,200	PC	0/06/26/2007	2,500.00USD	1,000	PC	FC	Hour
40	B350_00005_935-1L	Fan 20*30*10mm 9500W	6,200	PC	0/06/26/2007	2,500.00USD	1,000	PC	FC	Hour
50	B350_00005_935-1L	Fan 20*30*10mm 9500W	513	PC	0/06/26/2007	2,500.00USD	1,000	PC	FC	Hour

Item: E101 M650.00005-005, FAN 20*30*10mm-9500W

Quantities/weights: Delivery schedule: Delivery: Invoice: Conditions: Tests: Delivery address: Confirm: []

Delivery date: Scheduled day: Delivered: Purchasing: Req. Int: Open quantity: Sch. Int: []

0/06/24/2007 000 1029442693 10 []

(3)採購三單匹配,拋入BU SAP作結報

Invoice Information Edit

Double Confirm | Reject | Back

Invoice Head | **Invoice Detail**

Invoice Type	Invoice	Invoice No	VCI361070100002
Invoice Code	VCI361	Entity	[]
Vendor	VCI361	Validate Base	GR
Invoice Date	2007/1/17	Customer Code	APPPCBA023
Invoice Status	Vendor Confirm	Amount	1388800.000000
Currency	USD	Supplier Invoice no	[]
Remark			

e-Invoice電子發票系統

完整的Invoice

開立發票的供應商基本資料：
公司全稱, 詳細地址, 電話, 傳真

INVOICE							
Company Name: SAMSUNG Address: TEL: FAX:							
Sold To: HON HAI PRECISION INDUSTRIAL CO., LTD. Address: 66, chung shan Rd., Tu-chau city Taipei hsien, Taiwan, R.O.C				INVOICE NO.: VD6211061200002 Supplier Invoice No.: APPPCB-1227			
Bill To: HON HAI PRECISION INDUSTRIAL CO., LTD. Address: 66, chung shan Rd., Tu-chau city Taipei hsien, Taiwan, R.O.C				DATE: 2006-12-27 D/O NO.: PAYMENT TERMS: T/T 60 DAYS AFTER GR. CURRENCY: USD			
NO	Customer P/O No.	GRN NO.	H.H P/N	Supplier P/N	Quantity	Unit Price	Amount
1	ddA-6C0003	HdV-6C041N	132S0015	CL05B473KP5N NNC	30000.000 PC	0.001350	40.500000
2	ddA-6C0003	HdV-6C0445	132S0015	CL05B473KP5N NNC	80000.000 PC	0.001350	108.000000
TAX RATE: 0				TAX AMOUNT: 0		TOTAL: 148.500000	
TOTAL US DOLLAR ONE HUNDRED FORTY EIGHT AND FIFTY CENTS ONLY EXCHANGE RATE: US\$1.00=HK\$7.80=RMB\$8.07							
ANY DISCREPANCY ON THE QUANTITY SHOULD BE CLAIMED WITHIN XXX DAYS UPON RECEIPT OF GOODS							

發票的主要屬性：
 (1)電子發票號
 (2)供應商發票號
 (3)發票開立日期
 (4)付款條件
 (5)交易幣別

發票的明細資料：
 (1)No序號(2)PO No
 (3)GRN No (4)鴻海料號
 (5)供應商料號(6)交易數量
 (7)單價(8)項次金額
 (9)總金額(10)總金額大寫
 (11)當前匯率



供應商簽核憑證

IBM Portal單點登入

富士康科技集團戰情Portal

歡迎進入IP VOD TV 系統

FOXCONN
SIDC IP VOD TV

提示
請選擇您要瀏覽的內容，或直接按相對應版塊的數字鍵

修改密碼

登

1. IP-Course
網路隨選課程
2. IP-Seminar
網路隨選講習
3. IP-News
網路隨選新聞
4. IP-Foxconn
集團简介/動態
5. IP-Recreation
體育休閒
6. IP-SOP
標準作業流程

使用TAM實現系統帳號的單點登入

富士康科技集團戰情Portal

項目
品質管理
庫存管理
庫存Das分析
呆滯分析-1
呆滯分析-2
庫存均衡分析

品質分析各公司數量

公司	數量
Shark	2000000
Kino	1500000
Blink	1000000
Skipper	500000

呆滯時間分析

呆滯分析 By Location

地點	數量
RTV Defect Measuring parts	10000
Mobile	50000
Onway to BJ-HUB	500000

呆滯分析 By Material Type

電子件 電料 製料 塑料 成品 木製品

富士康科技集團戰情Portal

Wireless Network Camera

2009/08/24 10:46:24

Live View
Setup
Compression
MJPEG
Manual Record
Snapshot
Browse
Talk
Leave
Trigger Out

2x3x8 Nightmode

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富士康科技集團戰情Portal

生產監控

生產視場
生產視場
生產視場
生產視場

富士康科技集團戰情Portal

資訊交流專區

知識技術分享
資訊分享
經驗分享

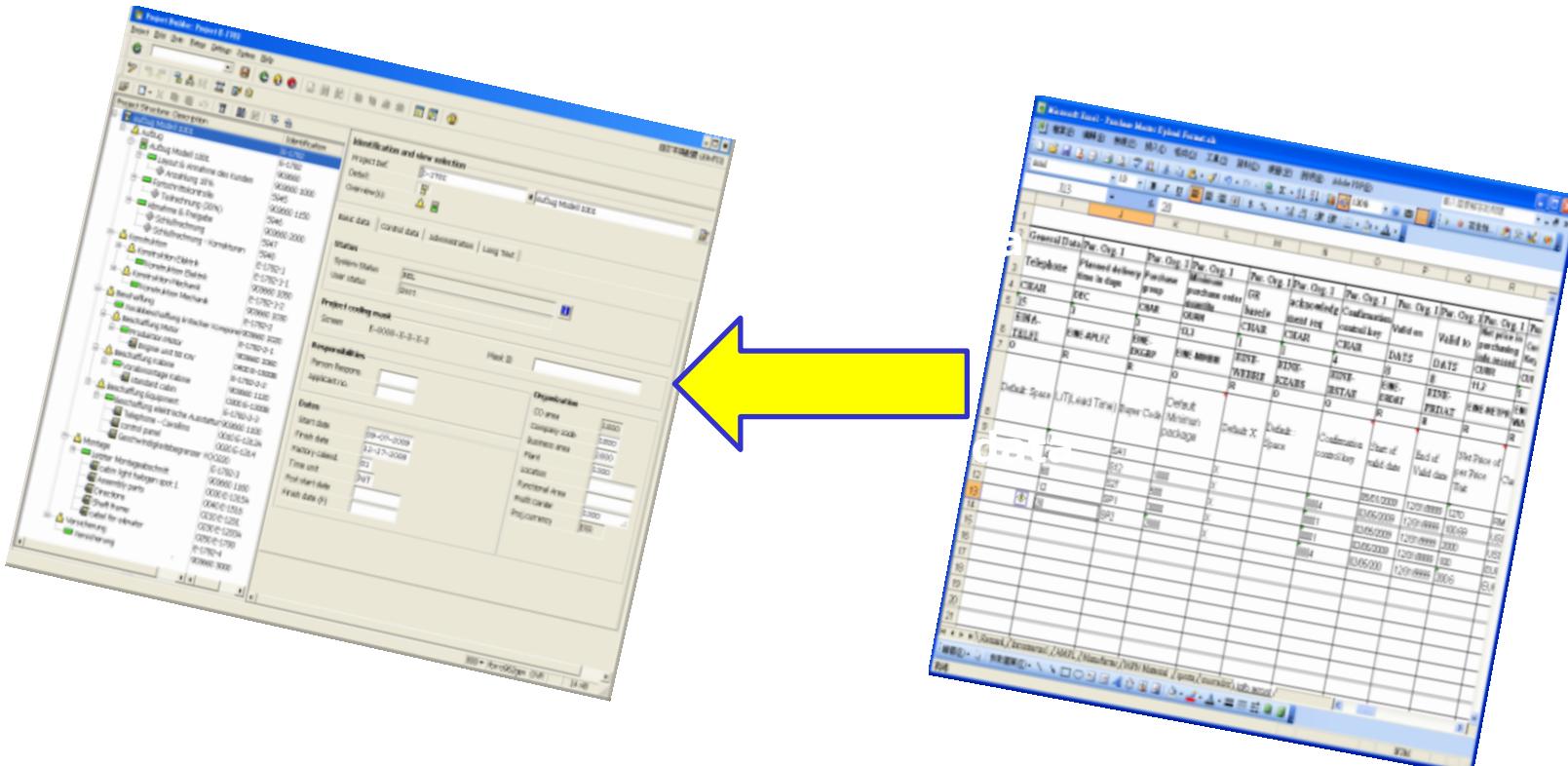
最新討論區 胡生

日期	胡生
2009-9-18	2009-9-18
2009-9-18	2009-9-18
2009-9-18	2009-9-18
2009-9-18	2009-9-18

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其他應用方式- Batch Input

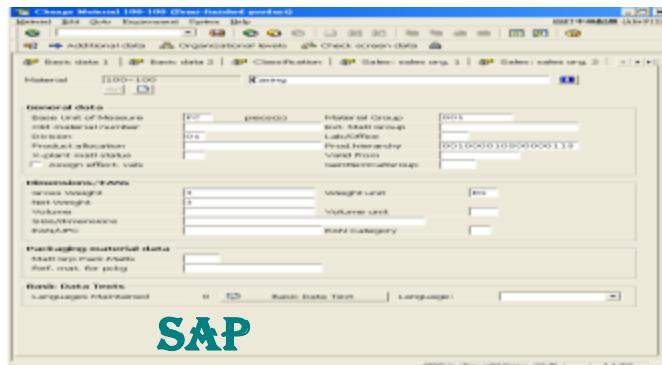
- 對於經常建立和修改的資料可以採取**批量上傳SAP**的方式，減少用戶登入SAP的頻率同時節省用戶帳號數。
 - 模組主檔資料 如:**Vendor master, Customer master, Material ,BOM...**
- 有些常用的物料移動也可批量上傳
 - GR for Production order, GI to Production...



其他系統的整合

- 與企業周邊系統整合,資料透過RFC/BDC等方式在SAP批量產生。使用共公帳號,減少帳號數量

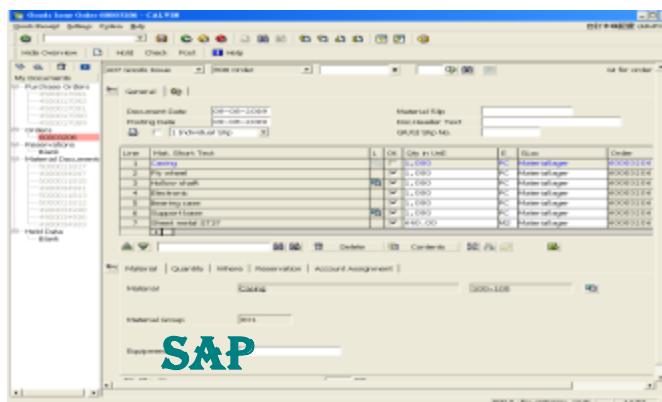
- SAP & PDM , SAP& SFC...



Master data
legacy to SAP



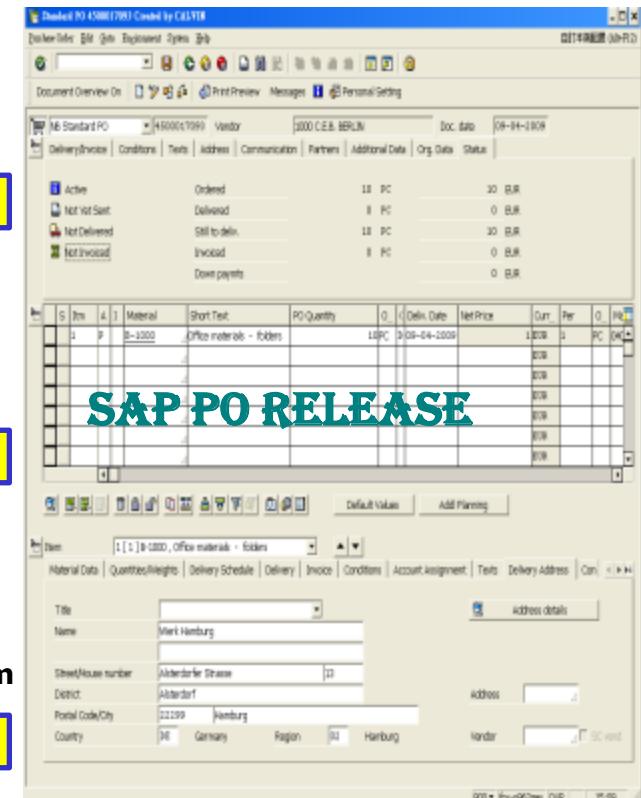
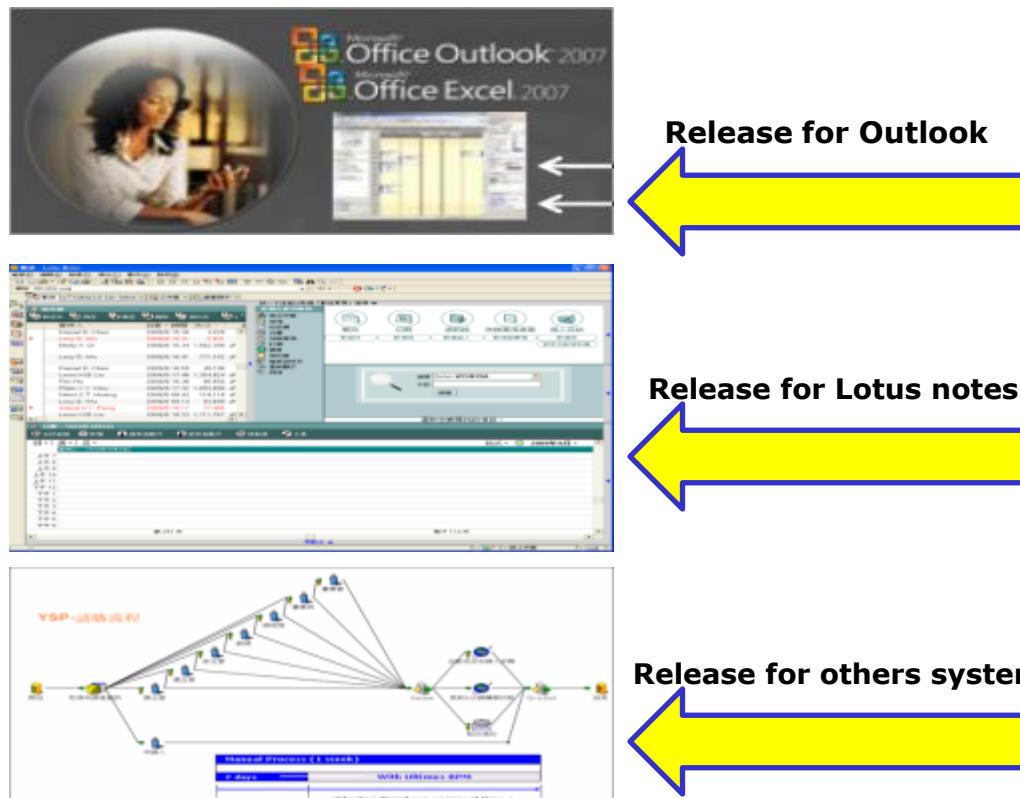
Transaction
data legacy
to SAP



Documents Release Out-of SAP Process

- 與**審批簽核**有關系統作業轉移至外部系統處理,再以批處理方式更新SAP單據狀態,減少主管登入SAP頻率同時節省用戶帳號。
 - SD: **Sales order, Delivery Note**.
 - MM: **Purchase requirement, Purchase order...**

關聯系統 : Lotus Notes, Exchange mail, Ultimus Wf ...

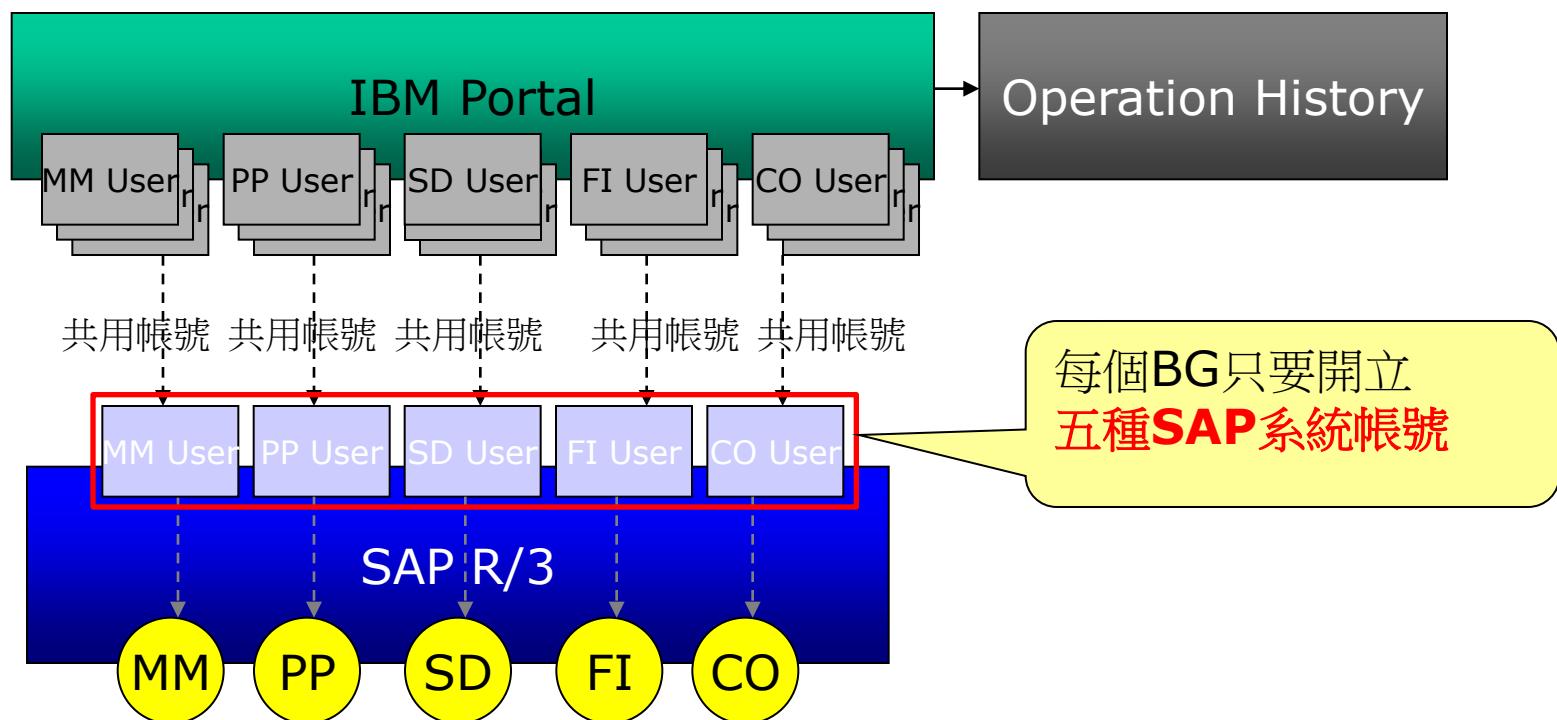


獲得效益



獲得效益

- 達到減少功能權限相似的R/3帳號數量目的.並且使同樣業務性質的使用者在共用同一的R/3帳號的同時,保有追蹤操作紀錄的機制.



獲得效益

- 有效**節省SAP帳號**
- 採用友好的**Web系統介面**,用戶**接受度高**
- 可以**按用戶角色開立ServiceAccount**
- 自動過帳,自動支付處理和後續的自動對帳,
避免培訓大量財務操作人員, **降低學習SAP
的成本**



Thanks

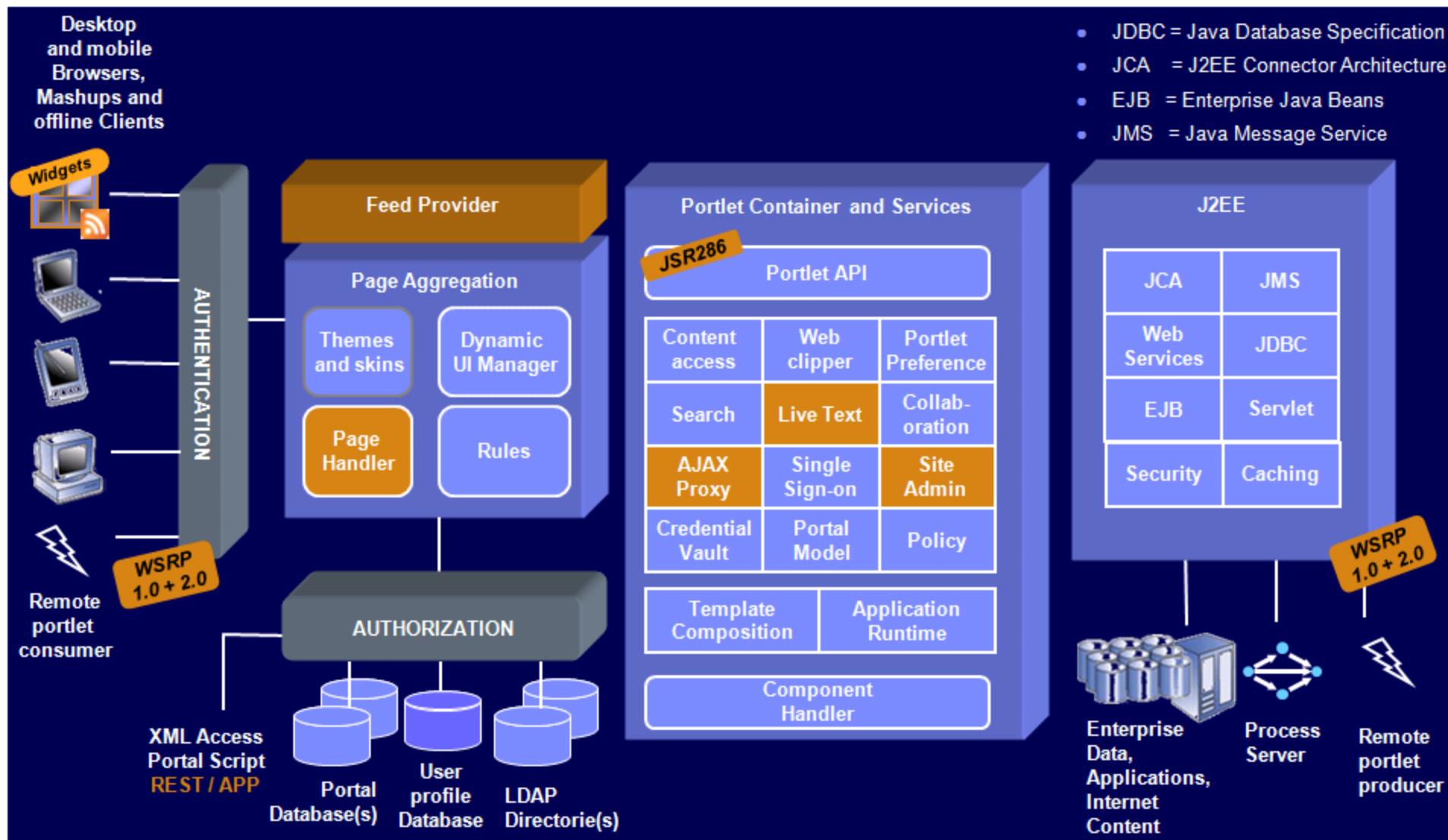


GDS Confidential

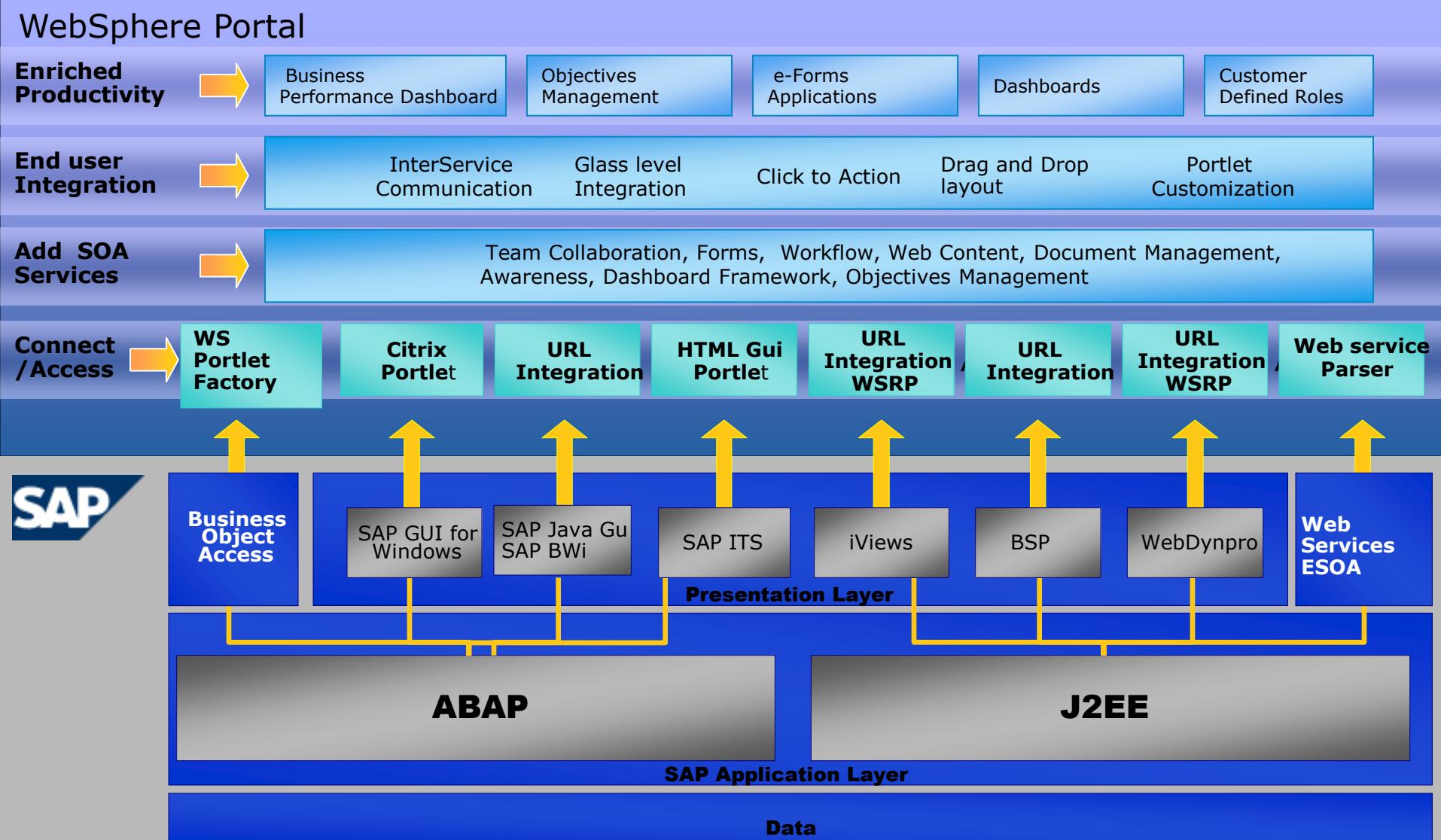
備用



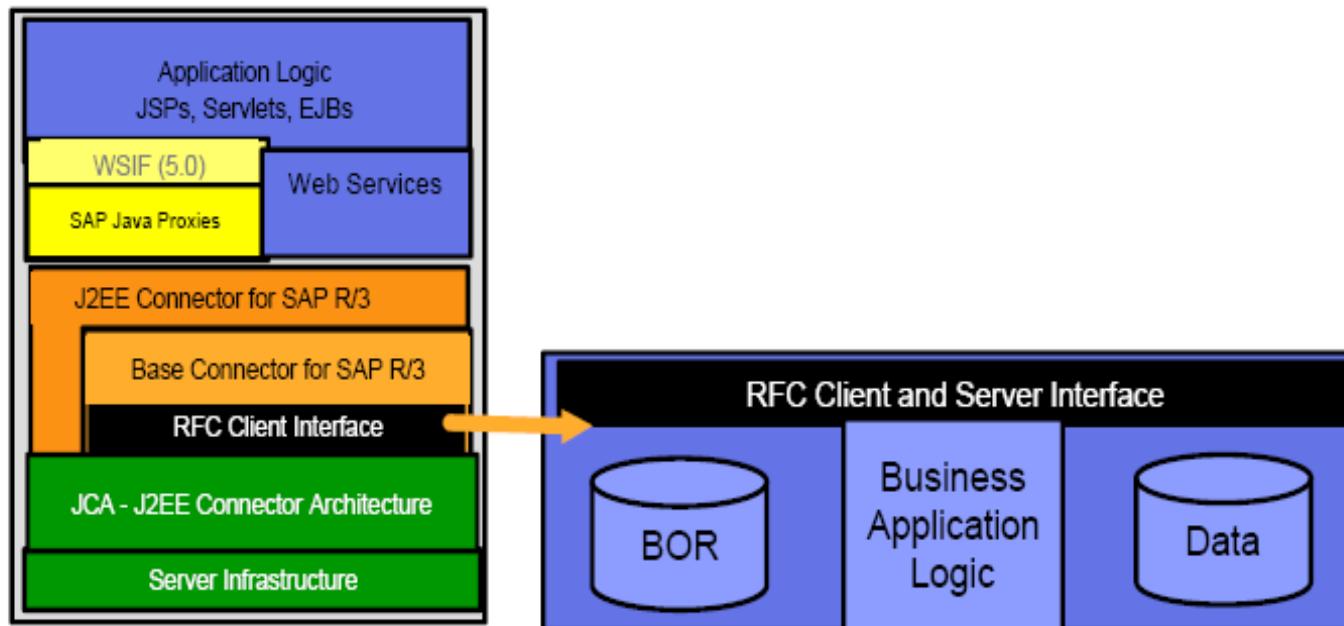
Architecture Overview WebSphere Portal



WebSphere Portal - SAP ERP - Integration levels



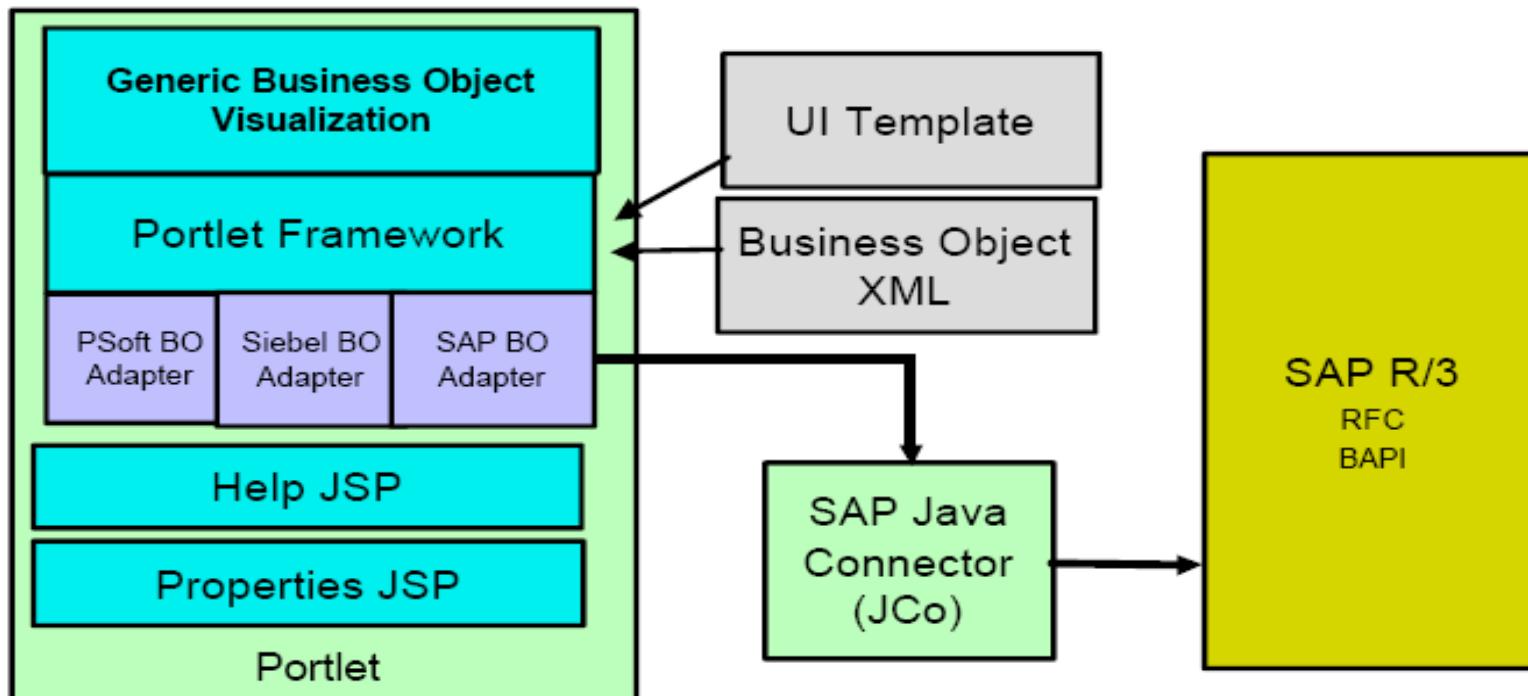
Websphere Adapter For SAP



- JCA compliant**
- connector to SAP BAPI and RFC**
- connection pooling**
 - pooling of connections with the same user context
- SNC support**
 - SNC = SAP secure network connection
- tooling support in WebSphere Studio IE**
 - generate proxy classes
 - generate WSDL file
- flexible for customized SAP systems**



Websphere Portal Application Integrator



- manages business object portlets
- generic template based User Interface
 - template to apply company styles
 - business object output tables generated at runtime
- view, search, update, create, delete
- Single Sign On with Credential Vault
- ClickToAction support