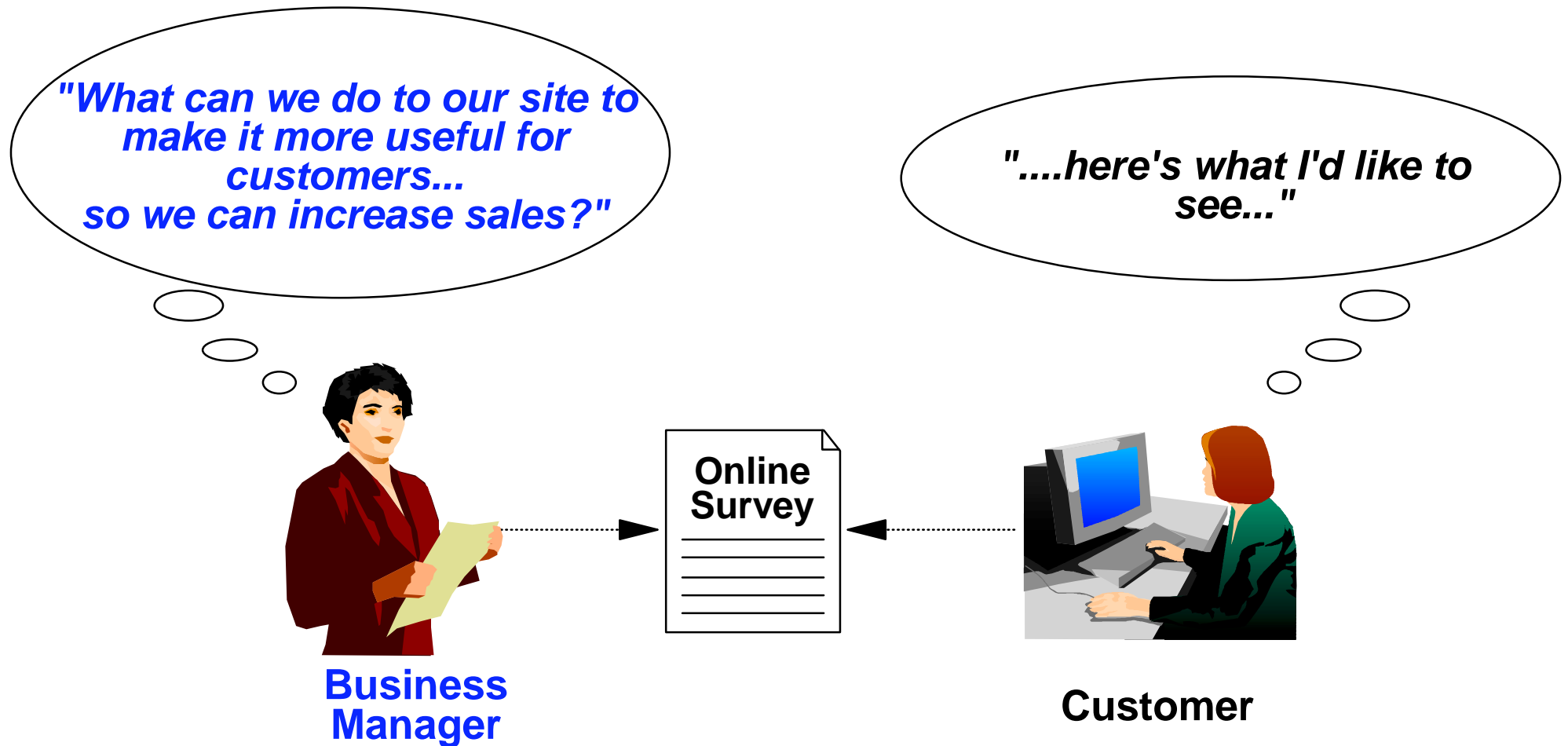


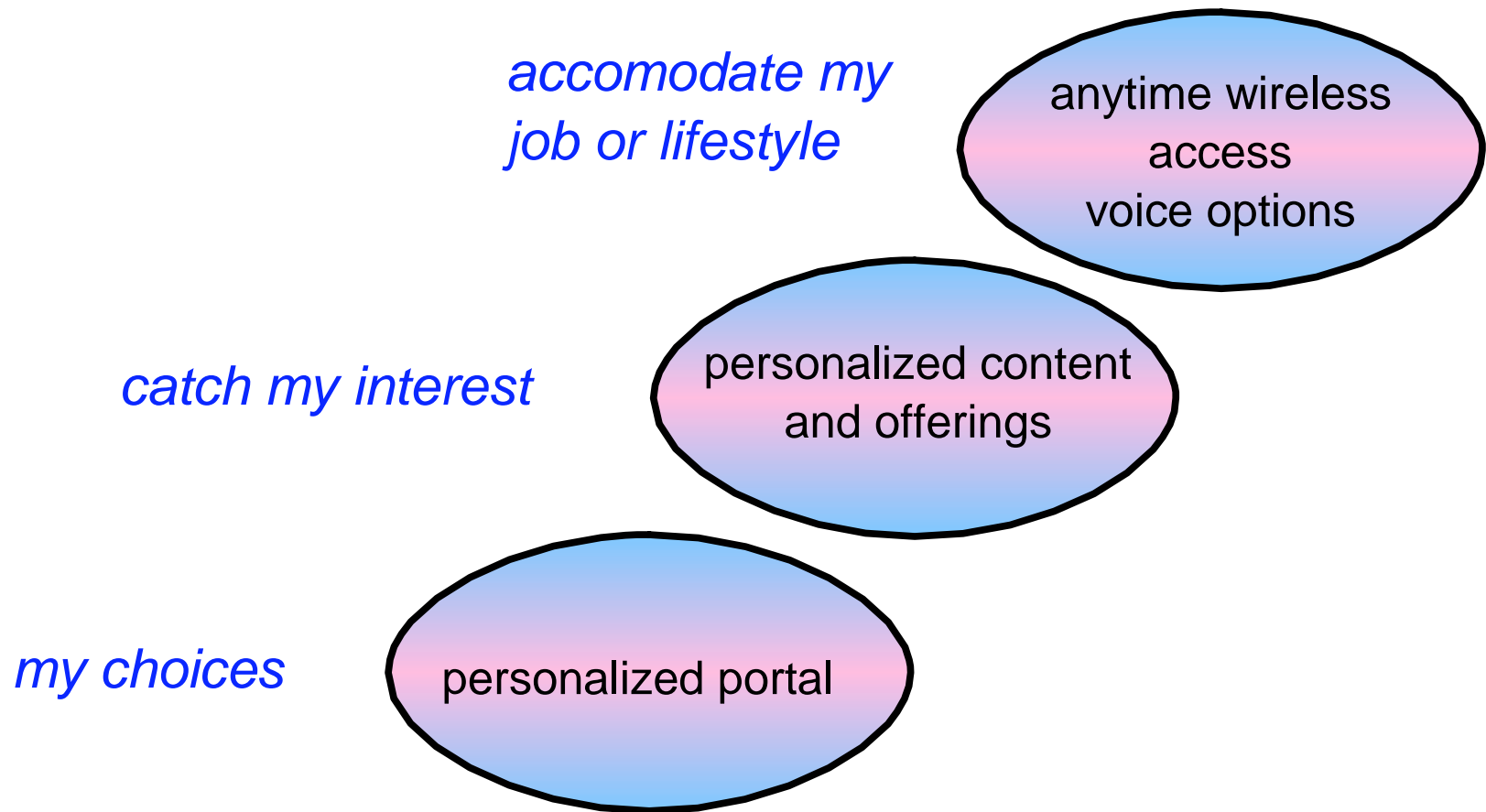
WebSphere Summit

Portals

Determining Friendly Finance Business Requirements



Friendly Finance Online Survey Results



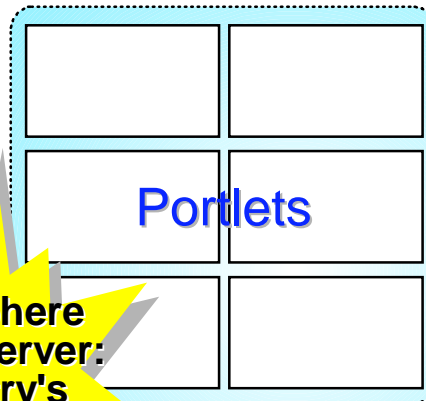
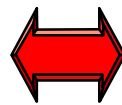
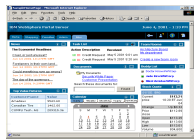
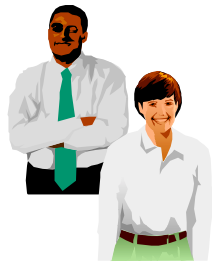
Portal Infrastructure Requirements

Enable Users...

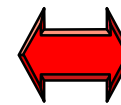
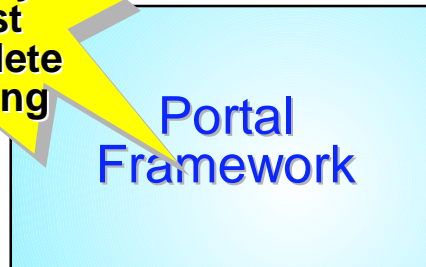
...from Any Device...

..to Use Portals...

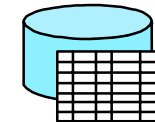
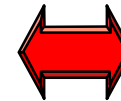
...to Access, Interact with Any Authorized Content



**WebSphere Portal Server:
industry's most complete offering**



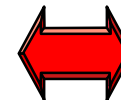
Commercial and External Feeds



Structured and Unstructured Data



People and Partners



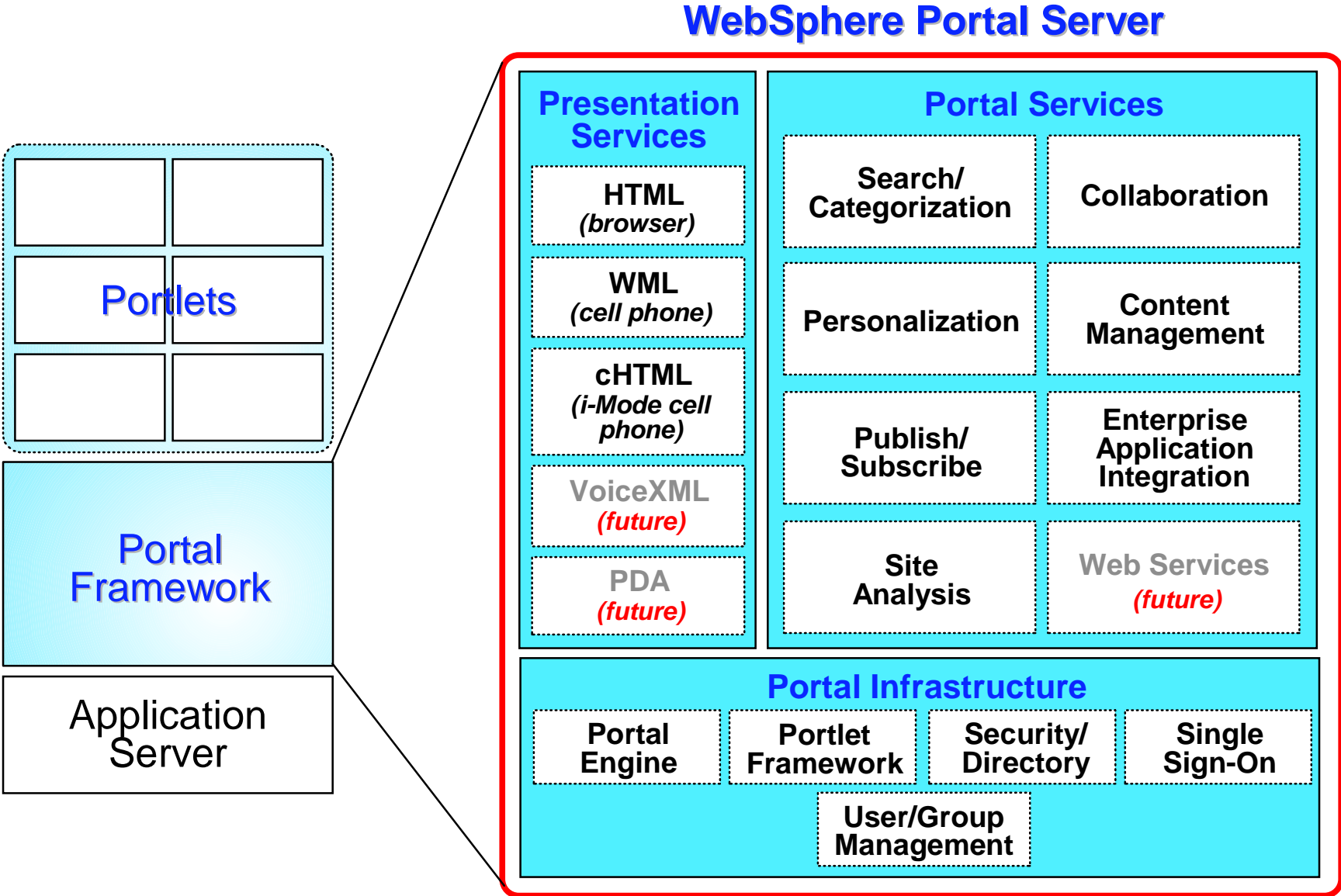
Applications

- ✓ Increased user productivity
- ✓ Higher customer satisfaction
- ✓ Lower service and support costs

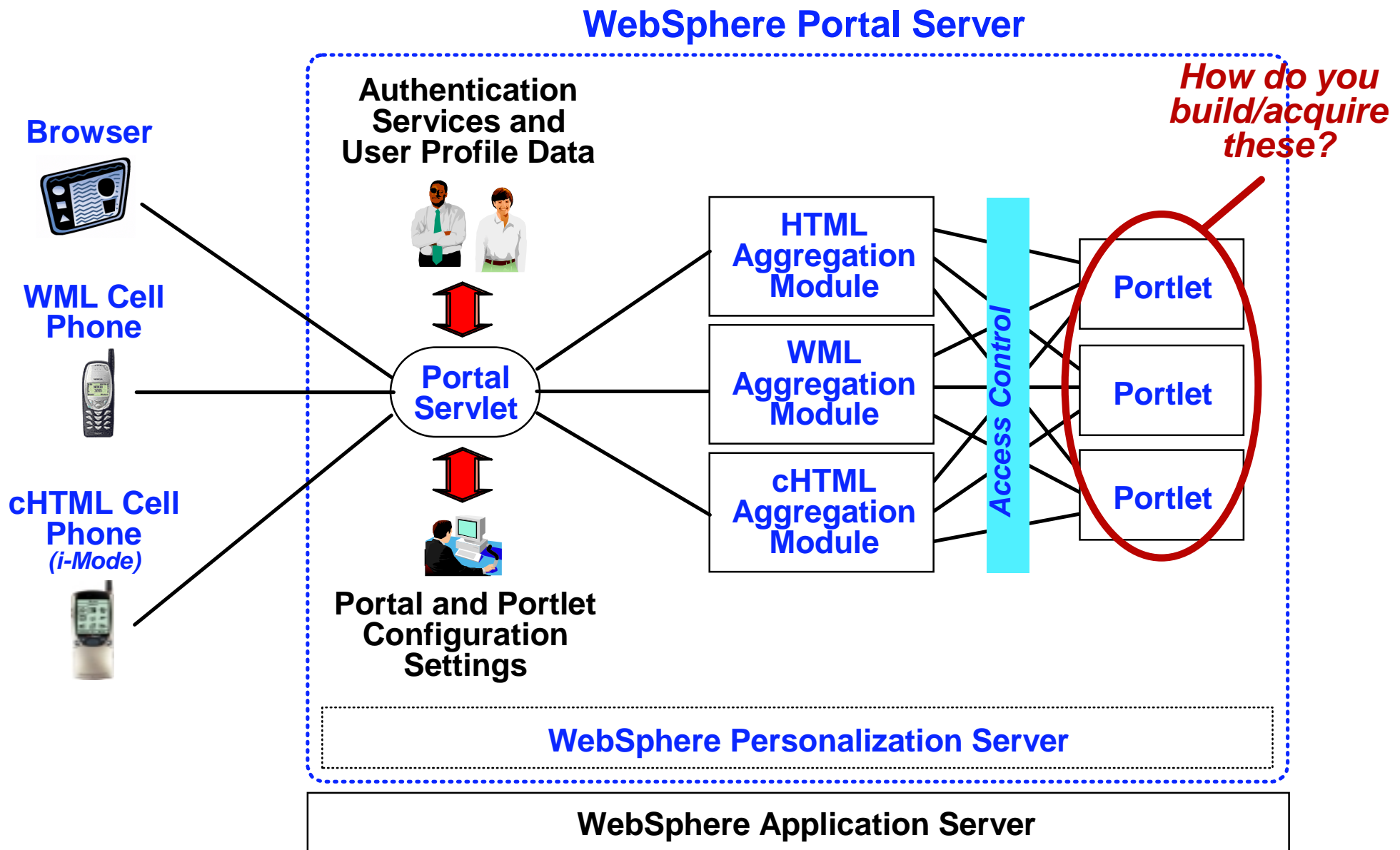
WebSphere Portal Server: A More Complete Portal Platform

Feature Set	WPS v2.1 Enable	WPS v2.1 Extend	WPS v2.1 Experience	BEA WLPS v4.0	Oracle 9iAS R2	SAP Ent. Portals
<i>Application server supt</i>	WAS	WAS	WAS	WLS	9iAS	SAP
<i>Portlet framework</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>User/group management</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>LDAP directory</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<i>Security (authent/author)</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	IBM Policy Director	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Single Sign-On (SSO)</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	IBM Policy Director		<input type="checkbox"/>	
<i>Multi-device access</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		9iAS Wireless	mySAP Mobile
<i>Personalization</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9iAS Personalizati	
<i>Content management</i>	toolkits to 3rd parties	toolkits to 3rd parties	toolkits + IBM Content Mgr	toolkits to 3rd parties		Enterprise Collaboration Portal/Enterprise Unification Portal
<i>Basic search engine</i>					<input type="checkbox"/>	<input type="checkbox"/>
<i>Extended search</i>		<input checked="" type="checkbox"/>	IBM Enterprise Information Portal		<input type="checkbox"/>	<input type="checkbox"/>
<i>Collaboration services</i>		<input checked="" type="checkbox"/>	Lotus Sametime/ Quickplace			Enterprise Collaboration Portal/Enterprise Unification Portal
<i>Site analysis</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<i>EAI (custom views to HR, CRM, ERP systems)</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		few	<input type="checkbox"/>
<i>Commerce services</i>	via WebSphere Commerce Suite	via WebSphere Commerce Suite	via WebSphere Commerce Suite	<input type="checkbox"/> (incl WebLogic Commerce Suite)	via Oracle Commerce	
<i>Reusable/extensible sample portlets</i>	many	many	many	few	few	few
<i>Portlet catalog/avail</i>	212+	212+ - Roadshow_Portal.ppt / 5	212+	?	128+	214+

WebSphere Portal Server Offers Robust Set of Core Portal Services

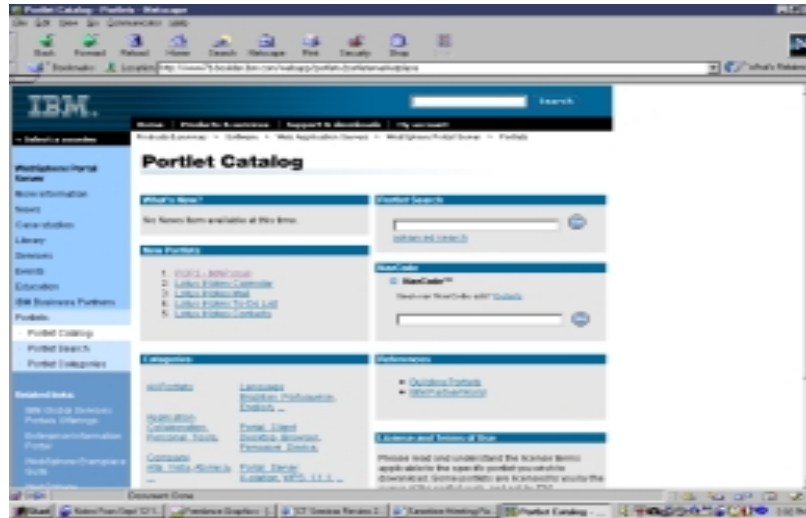


WebSphere Portal Server (v2.1) Architecture



Options for Acquiring, Building Portlets

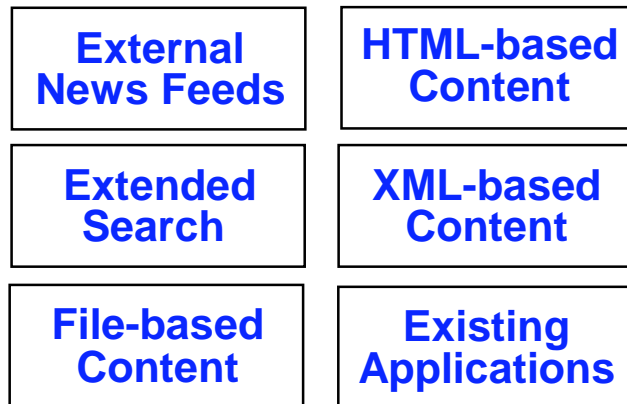
Download from
WebSphere Portal
Catalog



- 212+ currently available and growing rapidly
- Multiple search options (e.g. by industry, company, portlet type, language, etc.)

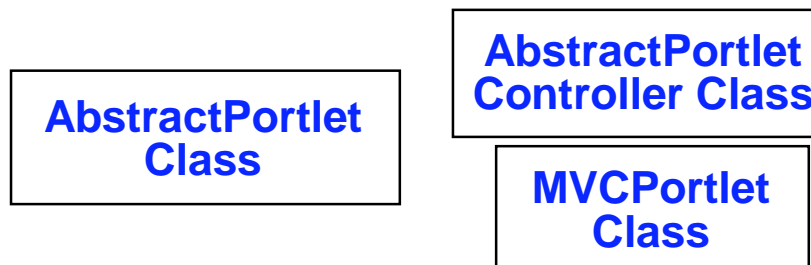
(<http://www7b.boulder.ibm.com/webapp/portlets/portletmarketplace>)

Reuse/Extend
Building Block
Portlets



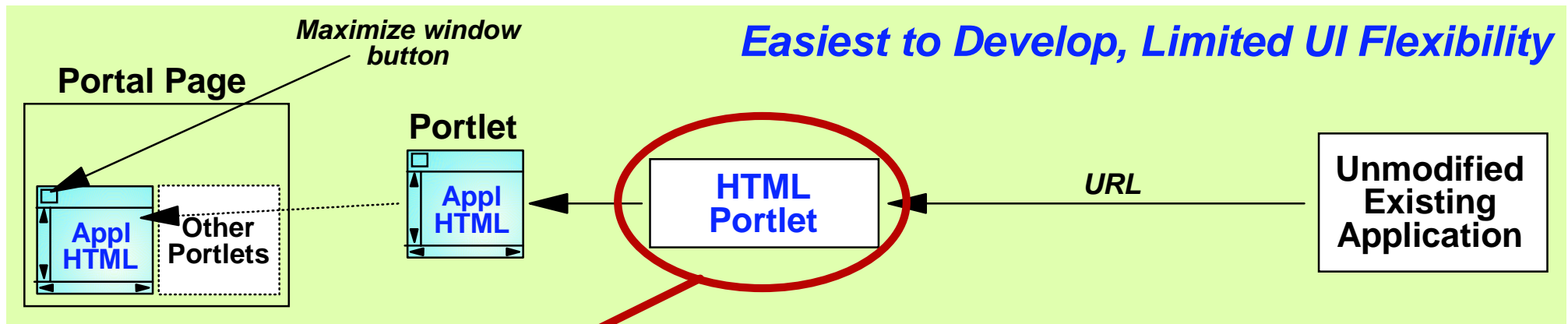
- clipped web pages
- any servlet
- any markup fragment
- data files
- XML/XSL
- RSS/OCS (newsfeeds)

Build Your
Own from
Scratch

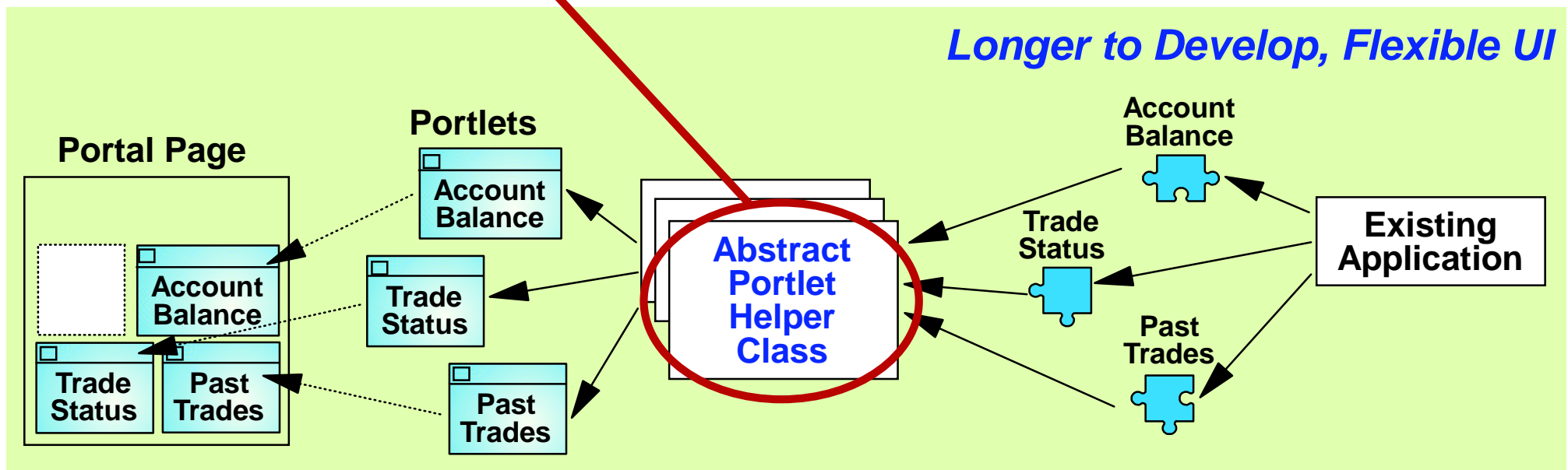


- use helper classes with favorite IDE to build single-device or multi-device portlets

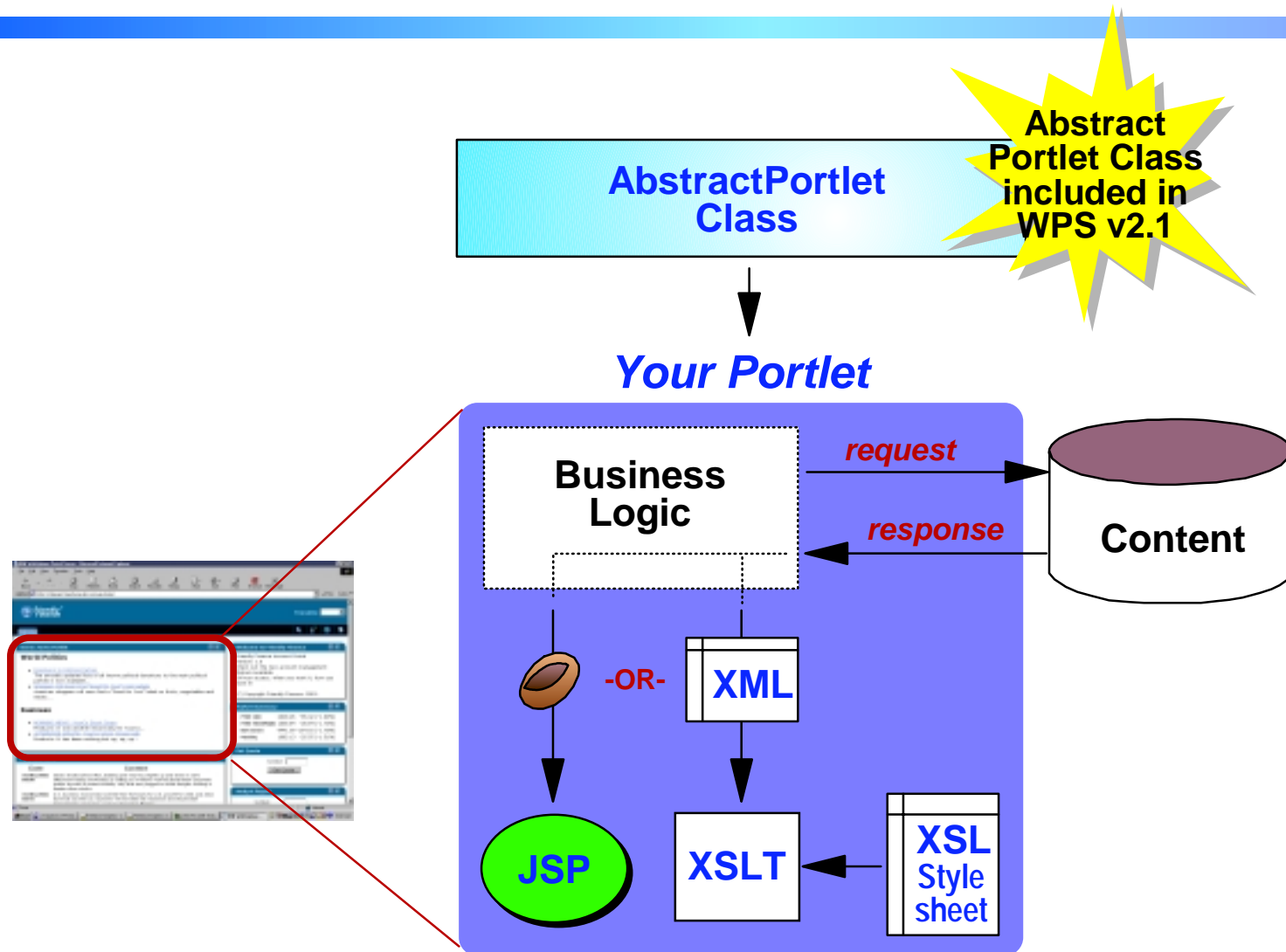
Build Portlets from Existing Applications



Provided with WebSphere Portal Server v2.1



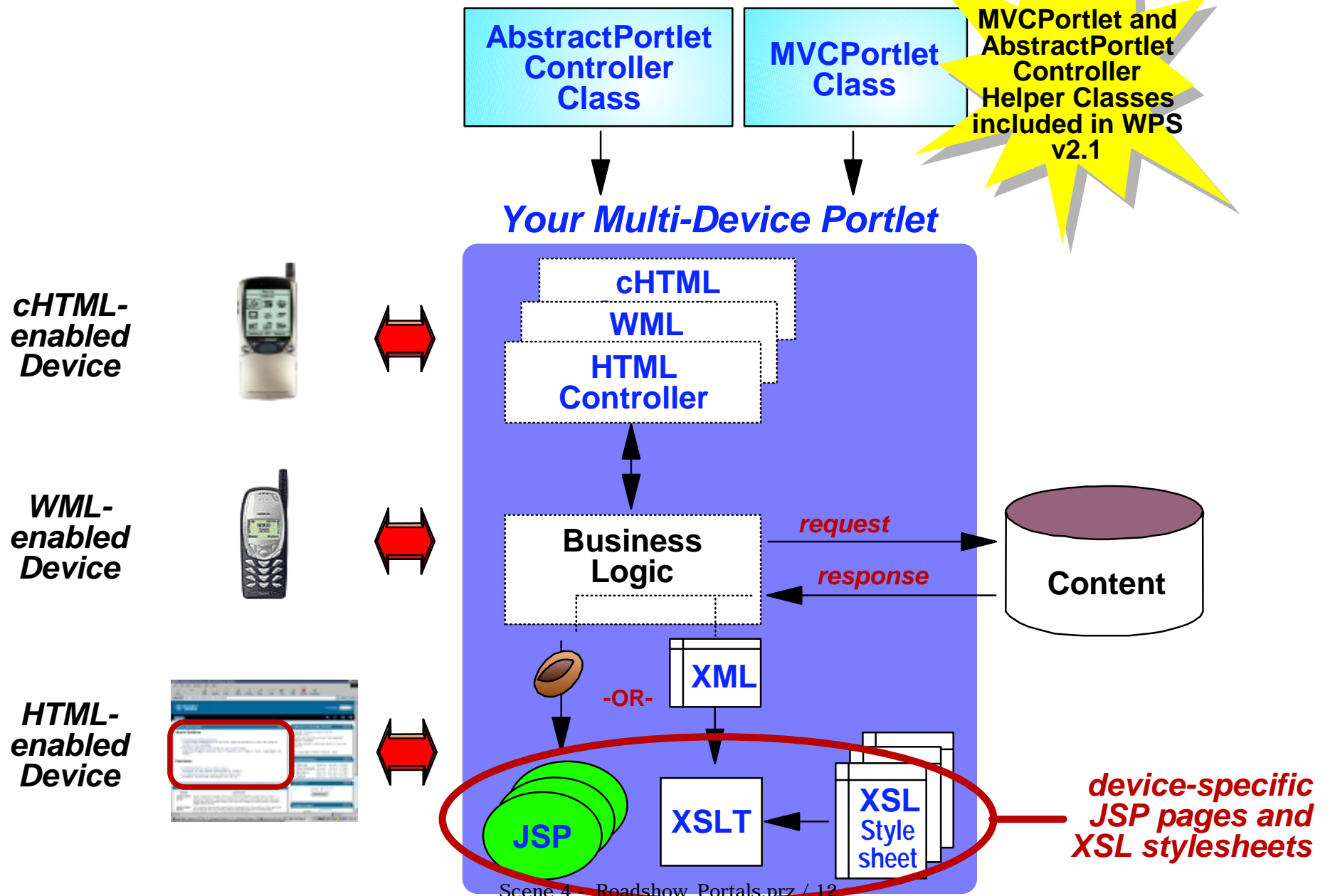
Build Portlets from Scratch



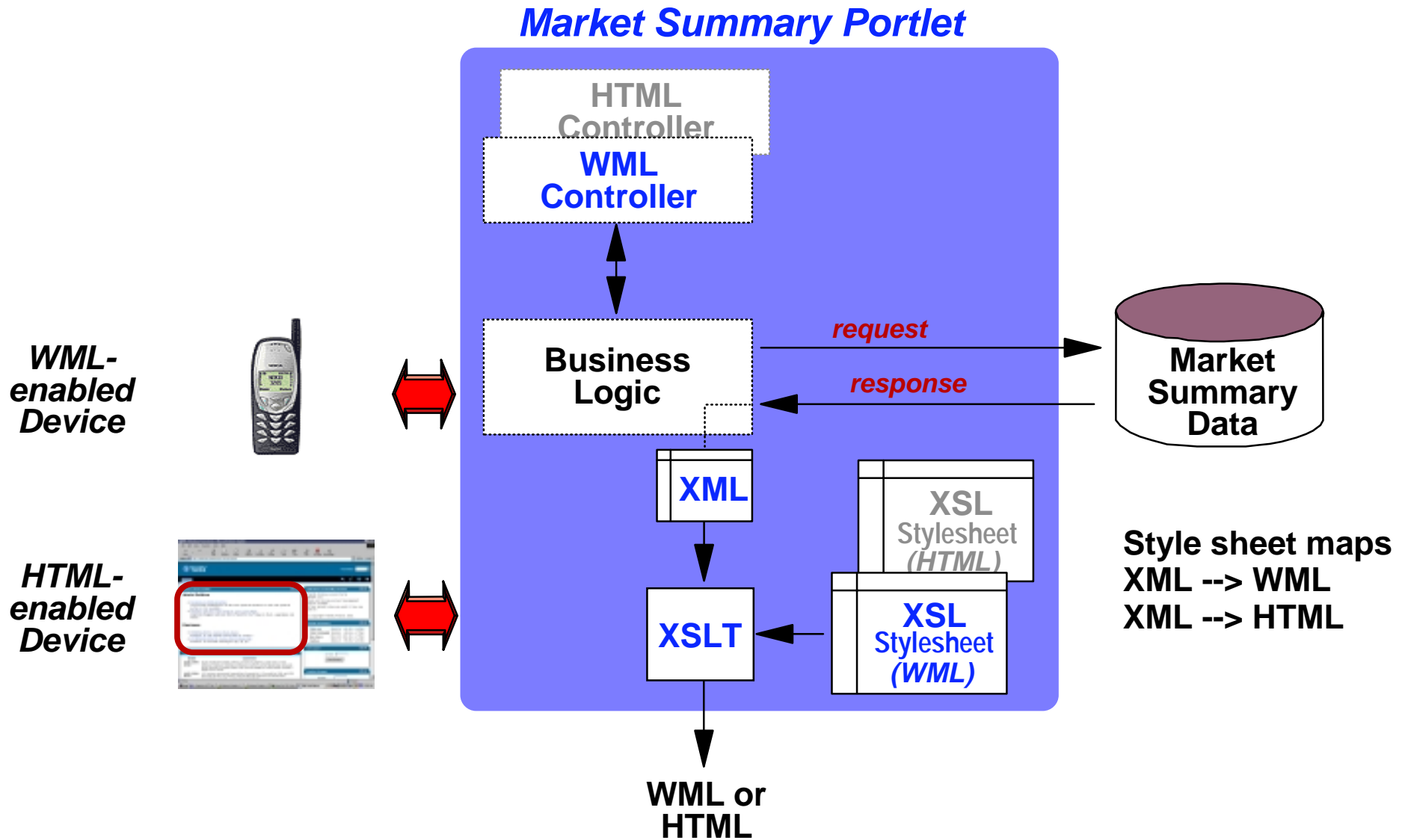
- JSPs are more efficient for rendering content, and are recommended, however...
- ...if the content is already in XML format, then using XSL stylesheets and XSLT is the best option

Demo of Friendly Finance B2C Portal

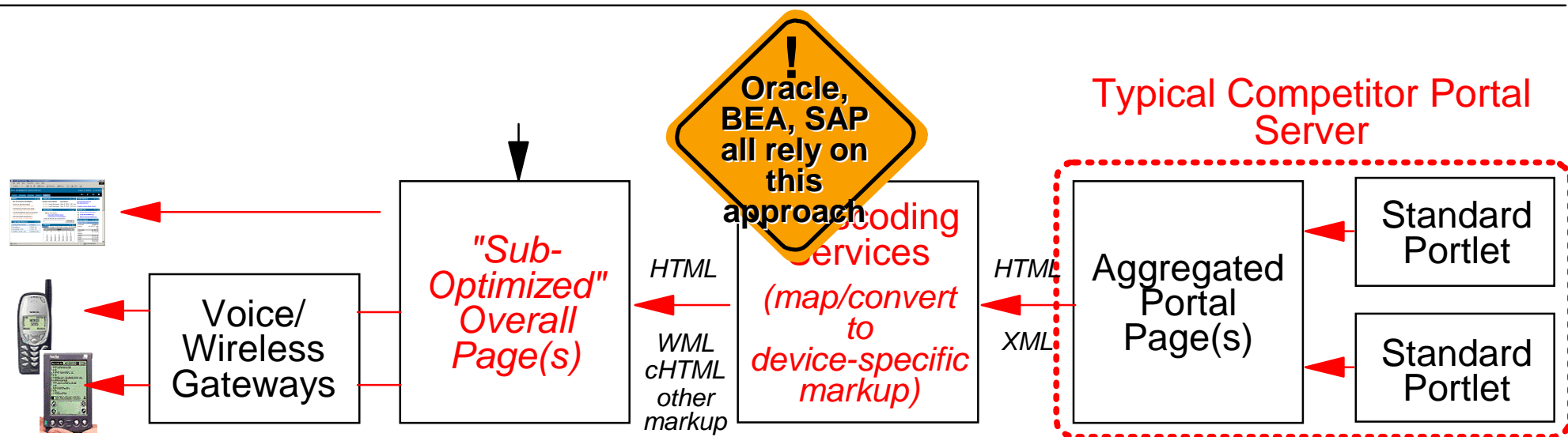
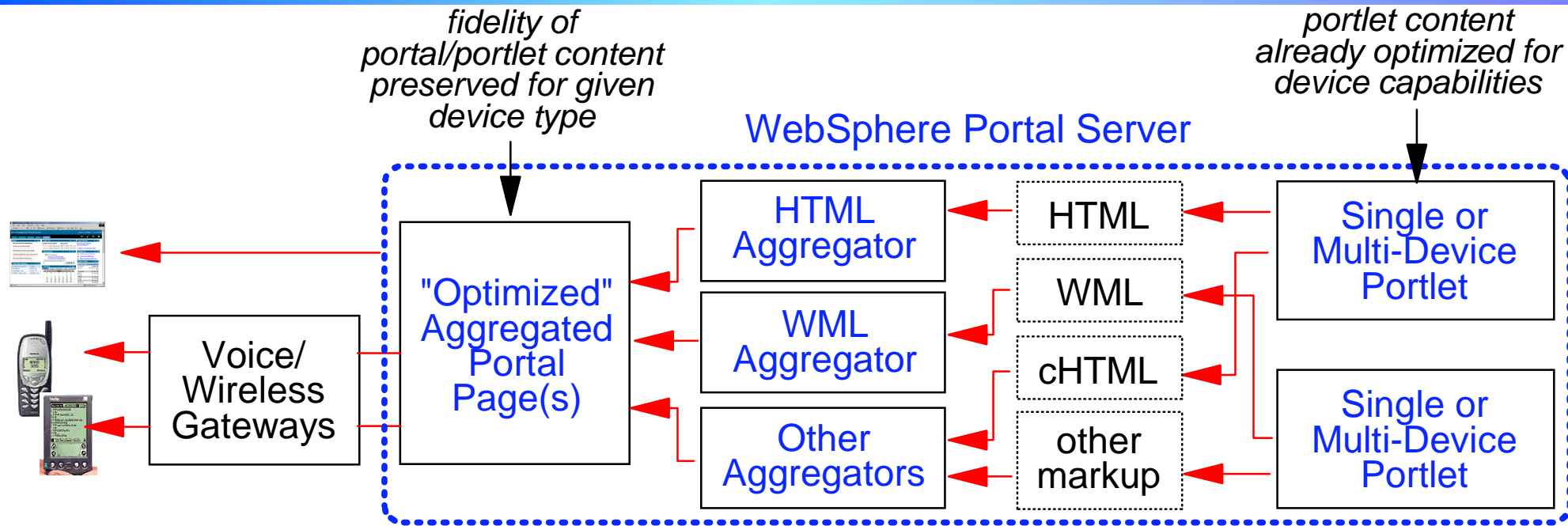
Build Multi-Device Portlets from Scratch



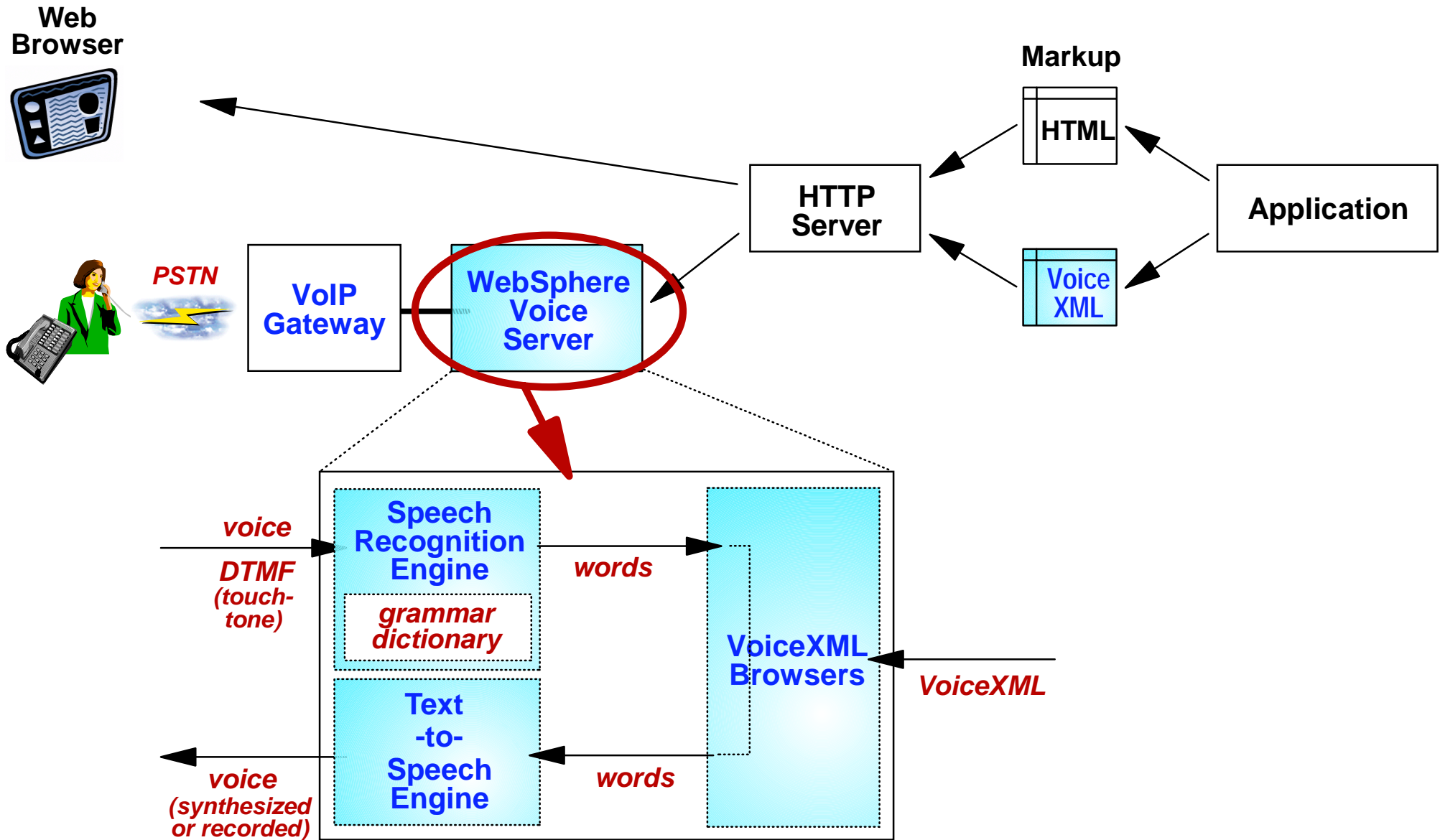
Cell Phone Demo



WebSphere Portal Server Provides Superior Multi-Device Architecture



Leveraging the Web Programming Model for Voice Enablement



What is VoiceXML?

Application: Welcome to Friendly Finance. Which application do you want, analyst report or stock quote?

Caller: Stock quote

Application: Which stock do you want a quote for?

Caller: IBM

```
<?xml version="1.0"?>
<vxml version="1.0">
  <form>

    <field name="stock quote">

      <prompt>
        Welcome to Friendly Finance. Which application do
        you want, analyst report or stock quote?
      </prompt>

      <grammar>
        Analyst report | Stock quote
      </grammar>

      ⋮

    </field>

  </form>
</vxml>
```




Friendly Finance Voice Demo

Friendly Finance B2E, E2E Requirements

"...Absolutely. WebSphere Portal Server can also be used in Business-to-Employee and Employee-to-Employee portal environments..."



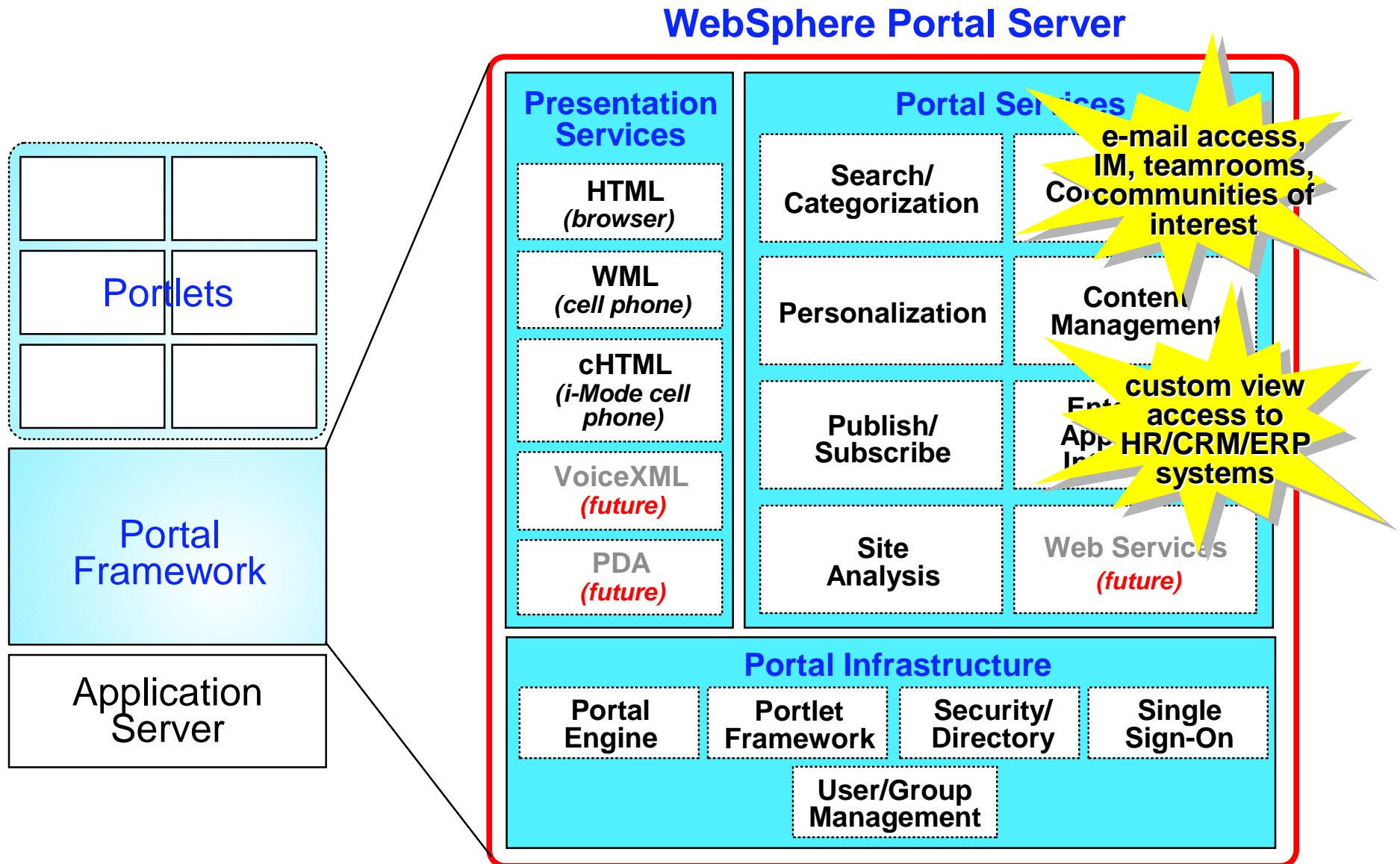
IBM

"...Is there any way we could use this same portal technology for our own employees to improve their productivity?..."



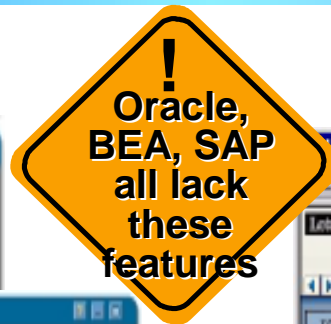
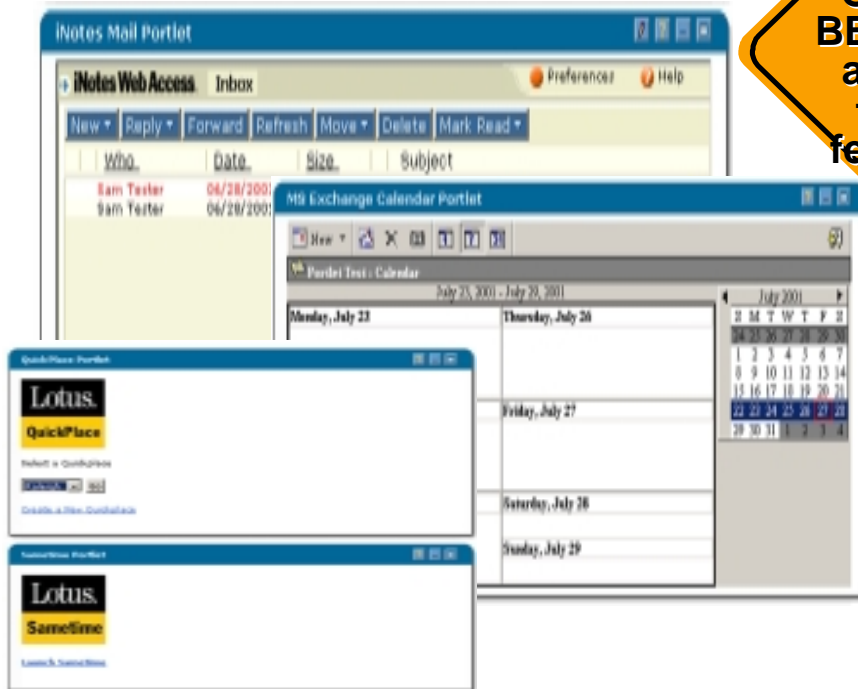
**Business
Manager**

WebSphere Portal Server Offers Robust Set of Core Portal Services

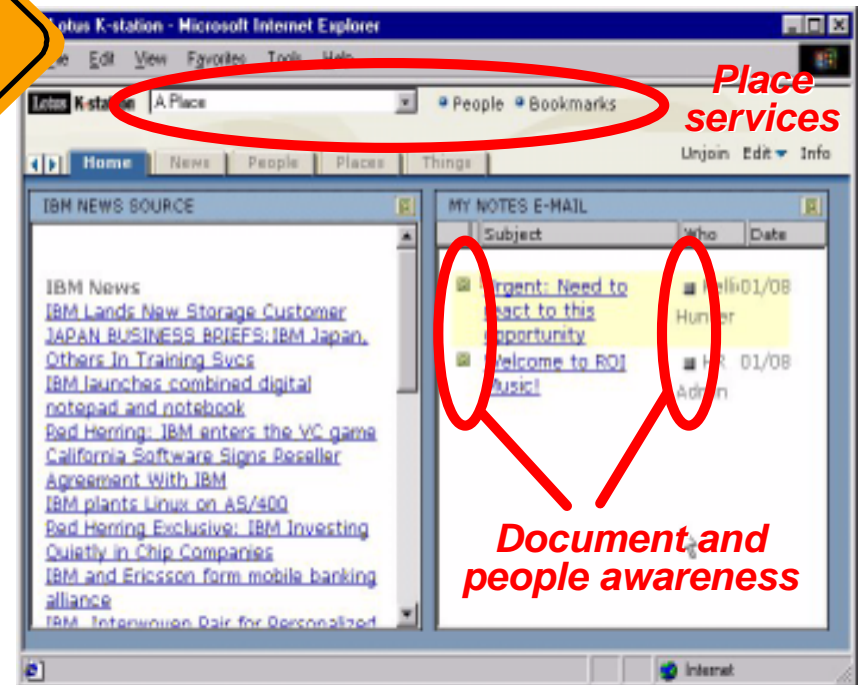


WebSphere Portal Server Enables A Richer Collaborative Experience

Basic Collaborative Services



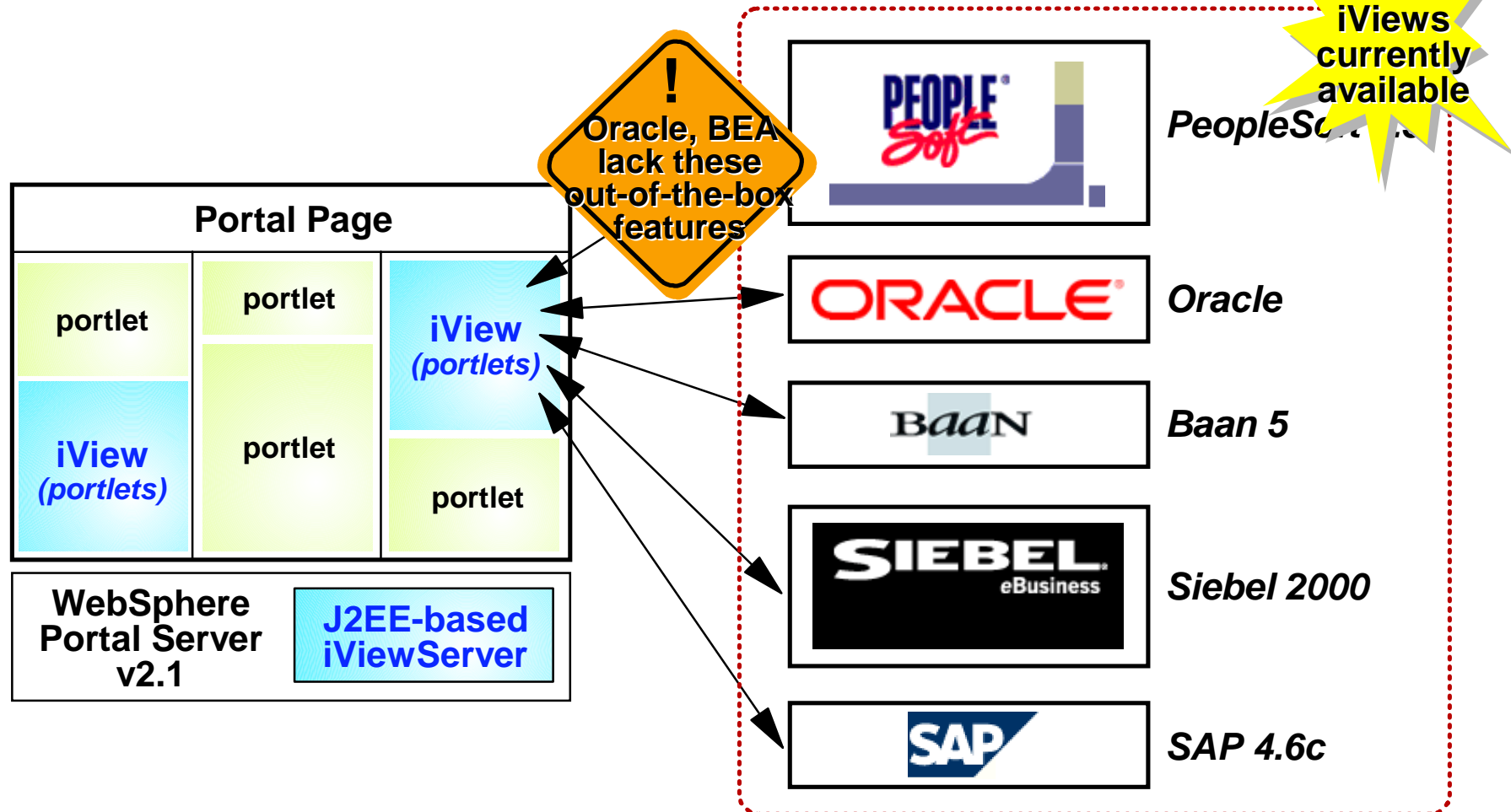
Advanced Collaborative Services



- ▶ Ready-to-use portlets for accessing e-mail, calendar, contacts, etc. for both Lotus Notes, Microsoft Exchange, or other POP3/IMAP systems
- ▶ Ready-to-use portlets for Instant Messaging (Lotus Sametime) and teamrooms (Lotus Quickplace)

- ▶ Place services (e.g. pre-defined communities of interest)
- ▶ Awareness services (e.g. people, place, and document awareness)
 - online awareness indicators to initiate chat or e-mail

iViews Enable Ready-Made Access to HR/CRM/ERP Applications



- iViews provide a collection of pre-defined views into selected HR/CRM/ERP systems via portlets
 - ▶ *part of IBM/SAP Portal Technology agreement*

Sample WPS and iView Integration

Siebel - All Opportunities

Opportunity	Account	Probability	Expected Value	Cl
Siebel Support		90	0.00	3/3
New User Licenses	Canadian Tire	80	0.00	3/3
eBIP Integration	Cisco Corporation	20	800,000.00	9/1
Peoplesoft Integration	Dell Corporation	0	0.00	9/2
TopTier Portals/Navigators	Dell Corporation	0	0.00	3/2
Sell 20000 seats to Dell	Dell Corporation	0	0.00	9/1
1000 ADSL Modems	Nortel	100	50,000.00	9/1

Siebel - All Billable Projects

Project Number	Account	Class	Billing Type	Stat
1-5SN	Siebel Systems	Client Billable	Fixed Fee	Activ
1-60P	Microsoft	Client Billable	Time & Materials	Activ

Siebel

(Accounts by Status, Activity Assigned List, All Activities, All Assets, All Billable Projects, All Opportunities, All Product Defects, All Projects, All Service Orders, Contact List, Critical Service Request, etc.)

SAP - Aging Sales Quotes

QuoteNo	ExpiryDate	Value	CustomerNo
0020000009	10/7/00	1462.00	0000002004
0020000010	11/18/00	1462.00	0000002004
0020000011	10/7/00	1462.00	0000002004

Top Value Returns in Sales Office

CustomerName	Value	Currency
Amadeus	9543.60	DEM
Canadian Tire	1462.00	DEM
COMPU Tech. AG	209315.36	DEM

SAP - Exchange Rates

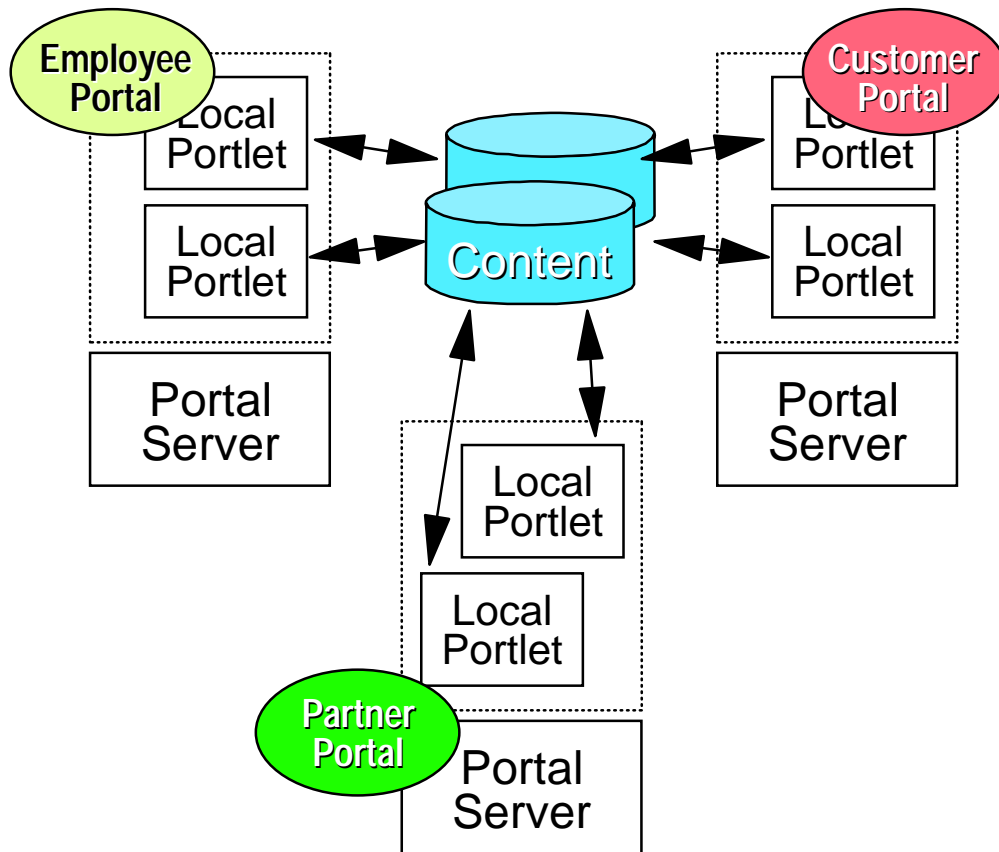
Type	From	To	ValidFrom	Rate	FromFactor	ToFactor
M	ATS	USD	4/30/98	8.05700	100	1
M	AUD	USD	7/31/97	74.43383	1	1
M	BEF	USD	4/30/98	2.65800	100	1
M	CAD	USD	1/1/97	1.00000	1	1
M	CHF	DEM	10/29/99	0.81909	1	1
M	CHF	USD	10/29/99	65.36000	100	1
M	DEM	CAD	1/1/97	0.94248	1	1
M	DEM	CHF	10/29/99	1.22020	1	1

SAP

(Aging Sales Quotes, Customer Average, Arrears Analysis with Cash Discount, Customer Balances by Fiscal Period, Customer Credit Exposure, Customer Credit Limit Exceed Alert, etc.)

Coming Soon: Sharing Portlets via Web Services

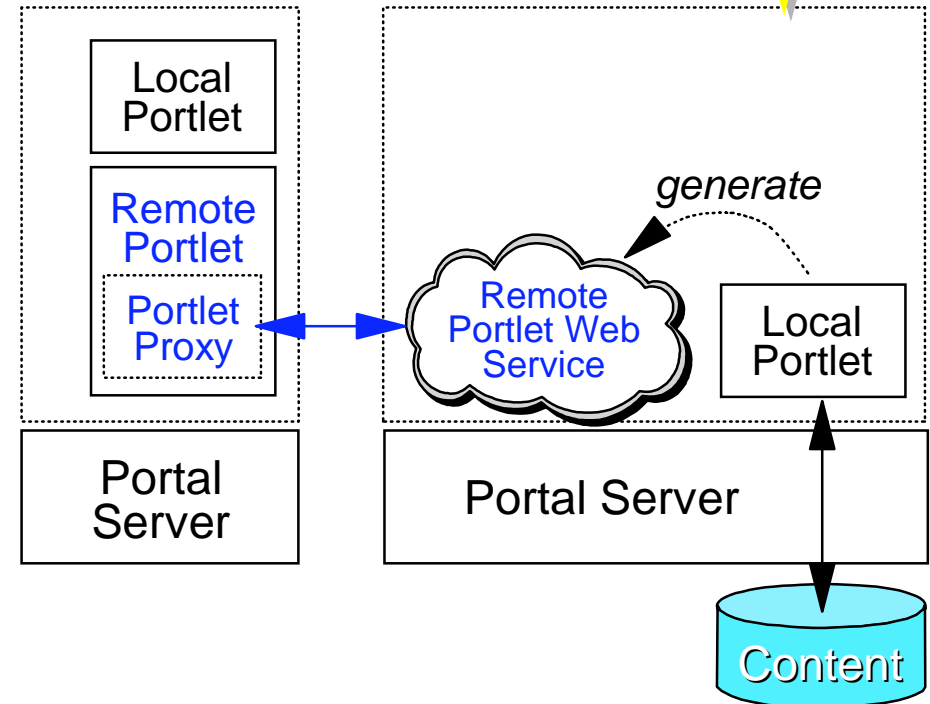
Local Portlets



- ▶ Portlets must be installed locally on each and every system
- ▶ Difficult to manage for large enterprises with multiple portals

Shared Portlets

Coming Soon!



- ▶ Web Services technology used to generate a Remote Portlet Web Service
 - no coding required
- ▶ Remote Portlet Web Service discovered via UDDI, WSDL
- ▶ Remote portlets registered, enabled as though they were local

Thank You!

Feature	WebSphere Portal Server v2.1	BEA WebLogic Portal v4.0	Oracle 9iAS R2 (Portal Server)	SAP Enterprise Portals
<i>J2EE-based application server support</i>	yes (WAS)	yes (WLS)	yes (Oracle 9iAS)	no (SAP)
<i>Supports multiple device types "out-of-the-box"</i>	yes	no	no (9iAS Wireless)	no
<i>Single sign-on support out-of-the-box</i>	yes	no (3rd party)	yes	no
<i>Portlet catalog/availability</i>	212+	?	128+	214+
<i>Building block portlets</i>	many	few	few	many
<i>Flexible portlet development options</i>	yes (JSP, XML)	no (JSP only)	yes	yes
<i>Ready-made access to multiple back-end HR/CRM/ERP systems</i>	yes (iViews)	no	few	yes (iViews)
<i>Remote portlets via web services</i>	future	?	?	?
<i>Easier packaging, distribution, deployment</i>	yes (PAR files)	no (manual assembly)	unknown	unknown

Multi-Language Portals

- **Portal Server supports many languages**

- ▶ Brazilian Portuguese, French, Italian, German, Spanish
- ▶ Simplified and Traditional Chinese, Japanese, Korean
- ▶ many more also work easily

- **IBM provides sample pages and portlets that show how to**

- ▶ isolate translatable strings
- ▶ set browser encoding correctly

- **WebSphere Translation Server can help you translate the content**

