

The IBM WebSphere Software Platform

e-business Infrastructure'





Agenda

- The (ever growing) IBM WebSphere Software Platform
 - Reach & End User Experience
 - Integration & Process Management
 - Infrastructure & Tools
- Q&A





States of e-business adoption

a long term trend toward the creation of more automated and integrated business processes which are transforming our world.

Source : The McKenna Group, IBM Market Research

Dynamic e-business

External Process Integration

Internal Process Integration

e-business Transactions



Web Publishing



Changing Technology Requirements

Intelligent transactions

Integration

Transactional Integration of in-house applications and dynamically outsourced application functions

Infrastructure

Web applications transparently coordinate transactions between internal and external applications.

Web applications transparently coordinate transactions between different in-house applications.

Web applications with separation of business logic and presentation, some transactional integrity and integration required



Static Web Serving and e-mail, evolving into limited use of dynamic web content



WebSphere: Transforming e-business

Customer and Partner Applications B2C, B2E, B2B

WS Commerce Suite Lotus Collaboration

Application Accelerators

WS Business Integrator WS Process Manager

Development

VisualAge for Java
VisualAge Generator
VisualAge Enterprise Suites
WS Homepage Builder
WS Studio
WS Host Publisher
WS Business Components

Presentation

WS Transcoding Publisher
WS Voice Server
WS Portal Server
WS Everyplace Suite
WS Personalisation
WS Translation Server
Web Content Management

Deployment

WS Edge Server WS Site Analyzer Tivoli Policy Director

Integration

WS MQ Integrator WS Adapters WS Host Integration

- Personal Communications
- Communications Server
- Screen Customiser
- WS Host on Demand

Foundation Extensions

WebSphere Application Server

Foundation

WebSphere MQ



WebSphere: Capabilities

Customer and Partner Applications B2C, B2E, B2B

Application Accelerators

Development

Providing the ultimate Web development environment

Presentation

Managing the e-business user experience

Deployment

Maximizing e-business performance

Integration

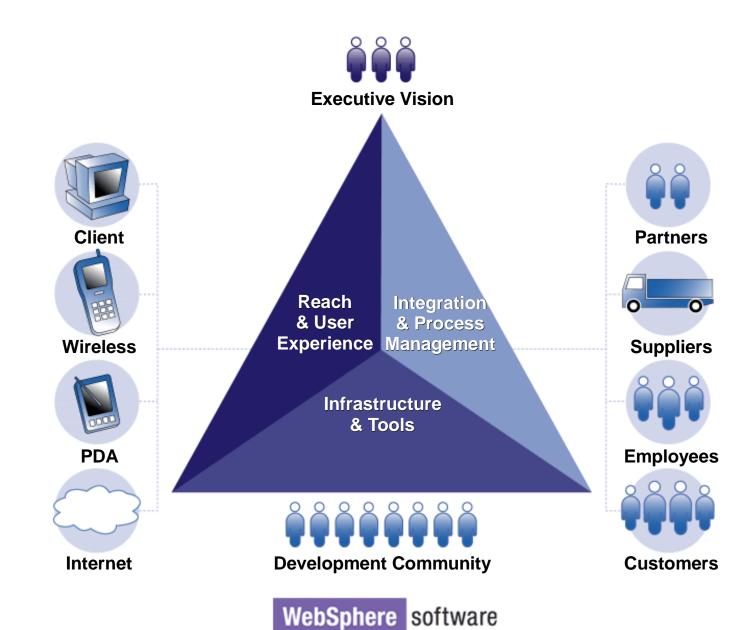
Integrating
your
e-business
inside and out

Foundation Extensions

Foundation



Looking at it another way.....







User Experience.....Critical Challenges

- Users won't return if they have a poor experience or if another site is better
- Need to achieve "stickiness" while increasing effectiveness
- The standards for a first-class web site are constantly rising
- Don't have the resources to handle the onslaught of content and new technology



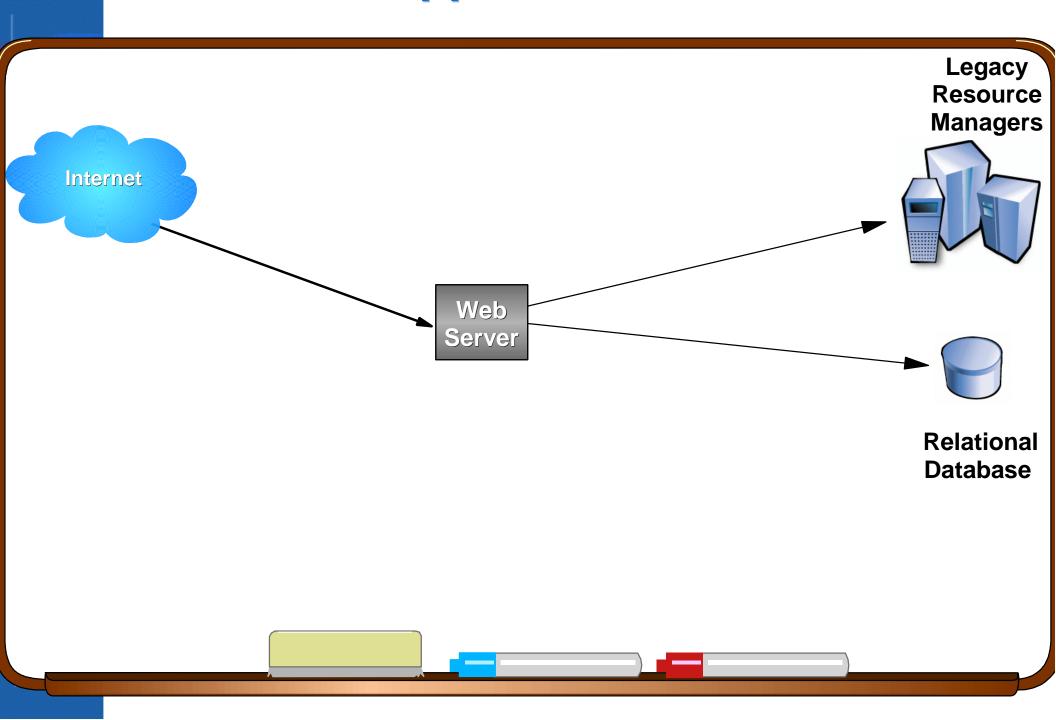


e-Architecture WhiteBoard

How do we build this...?

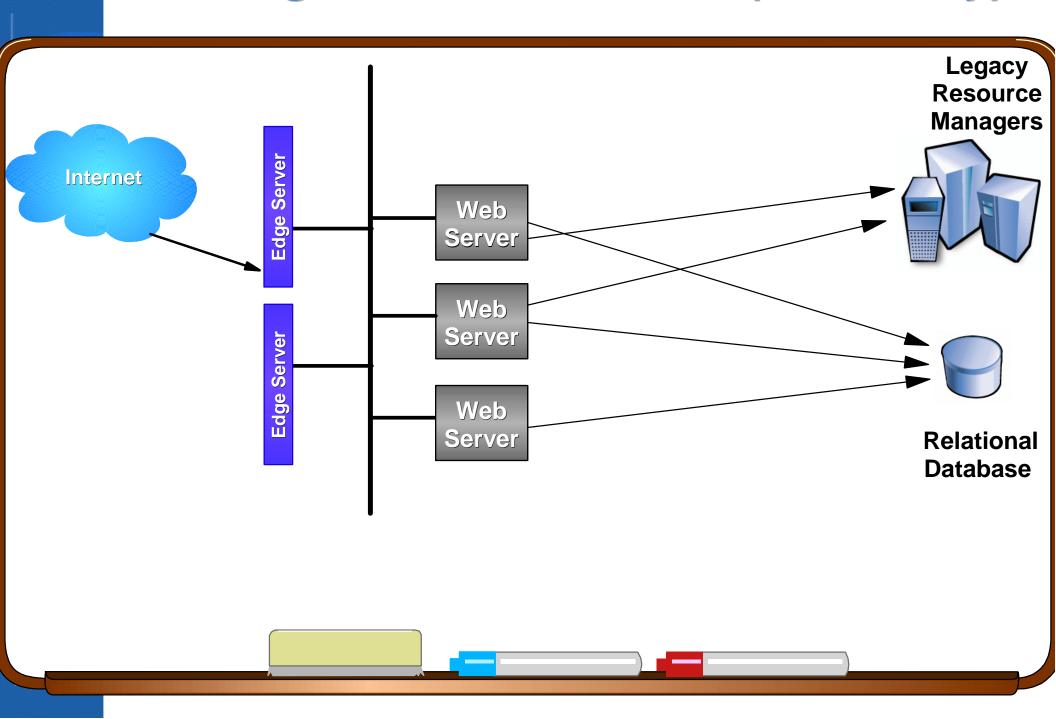


Basic web application



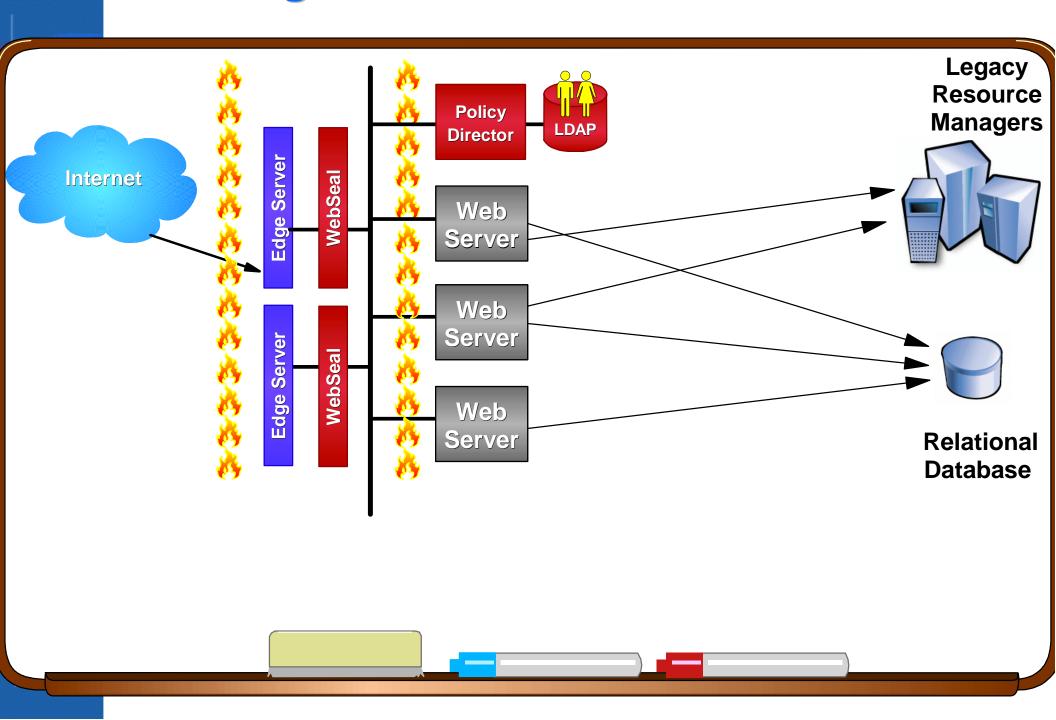


Making the web site scale (massively)



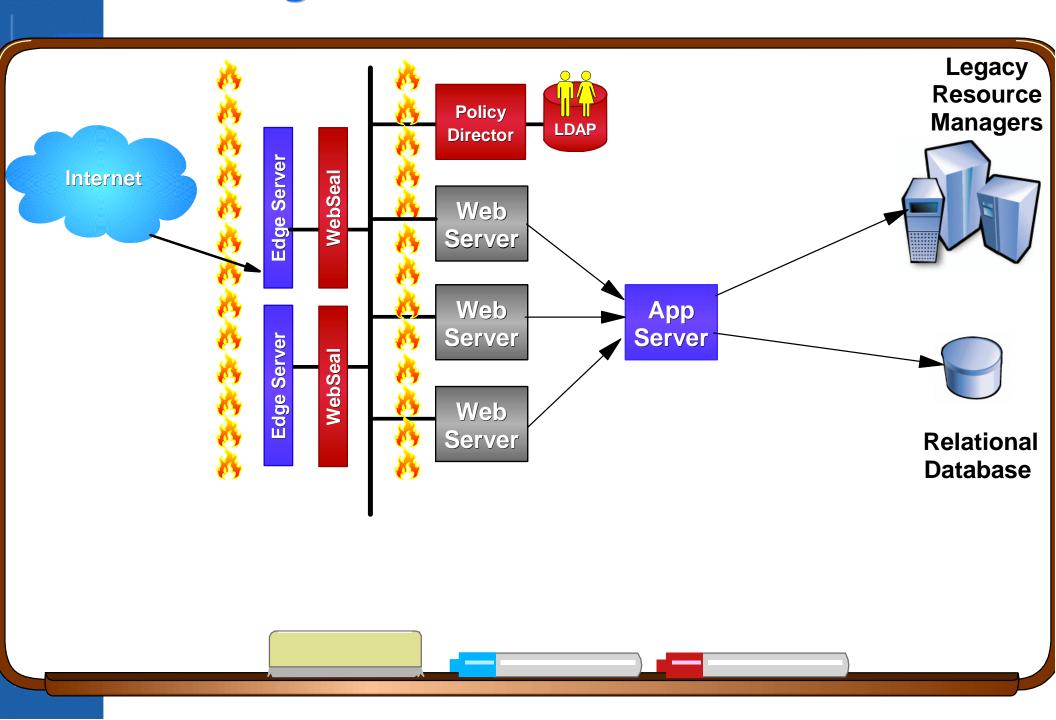
IRM.

Making the web site secure



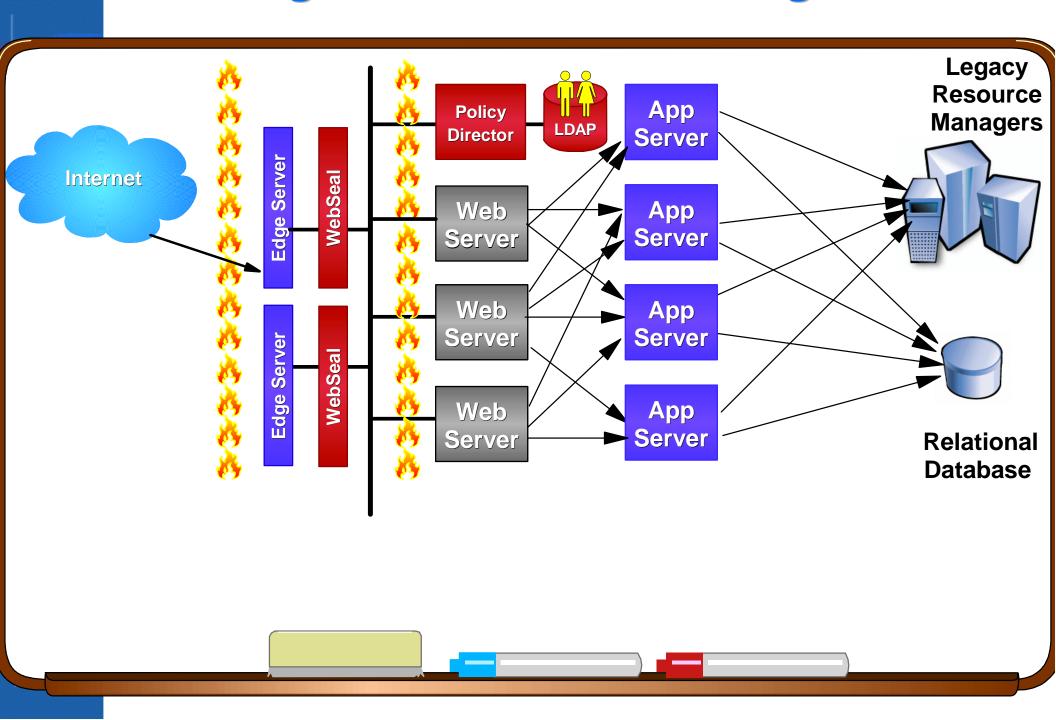


Adding richer business behaviour



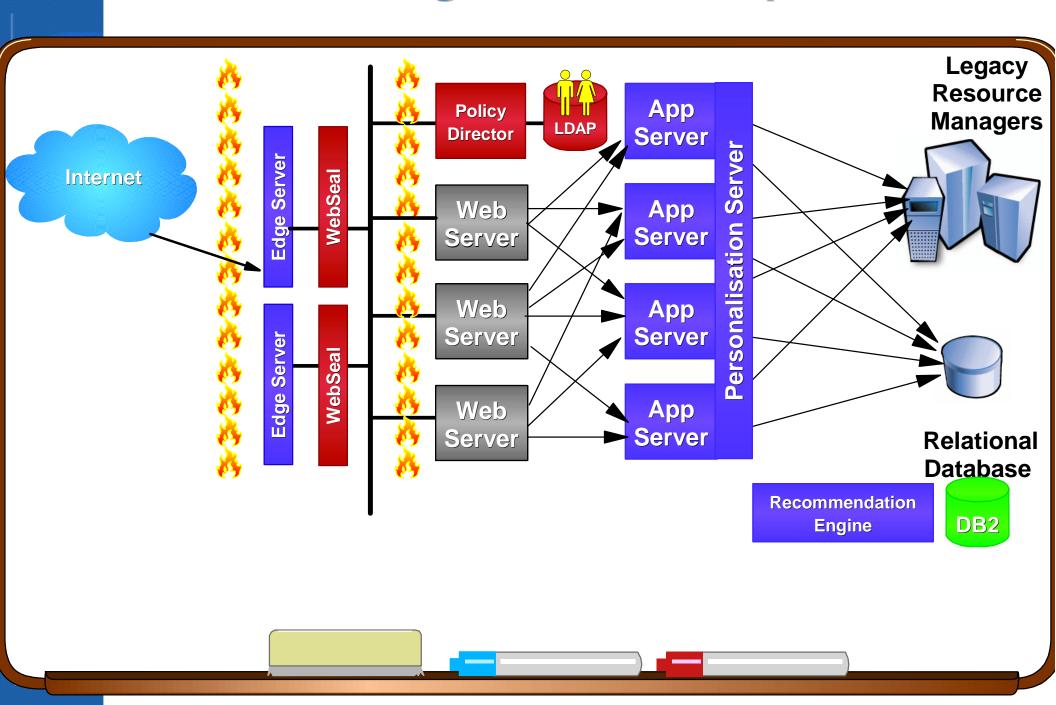


Scaling the new business logic



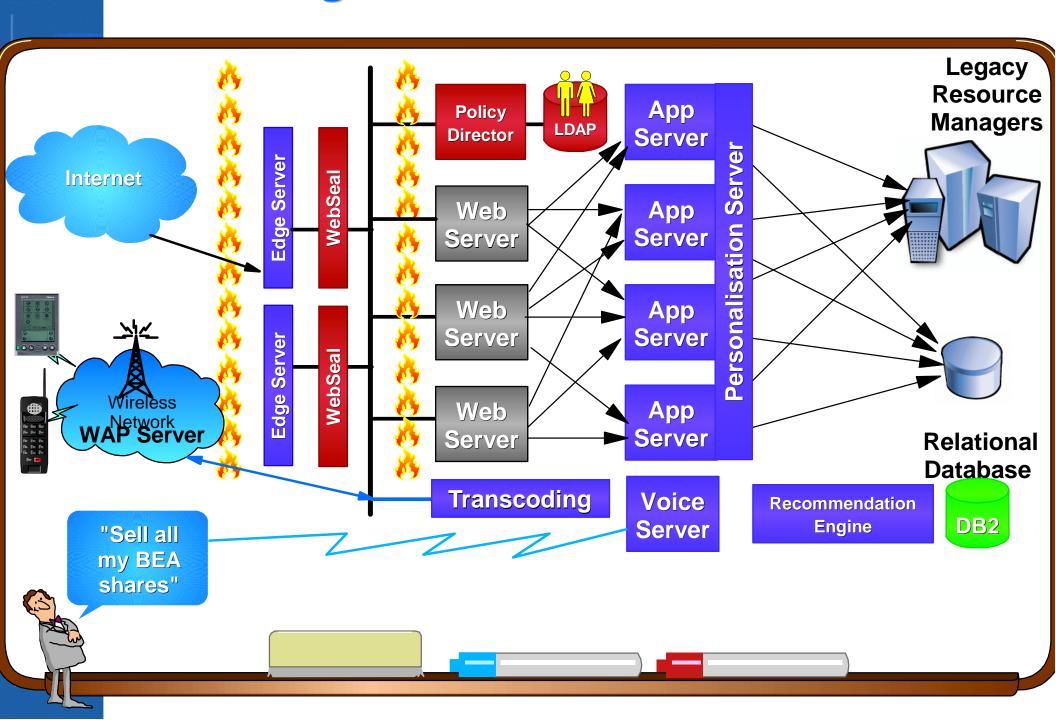


Personalising the Users Experience



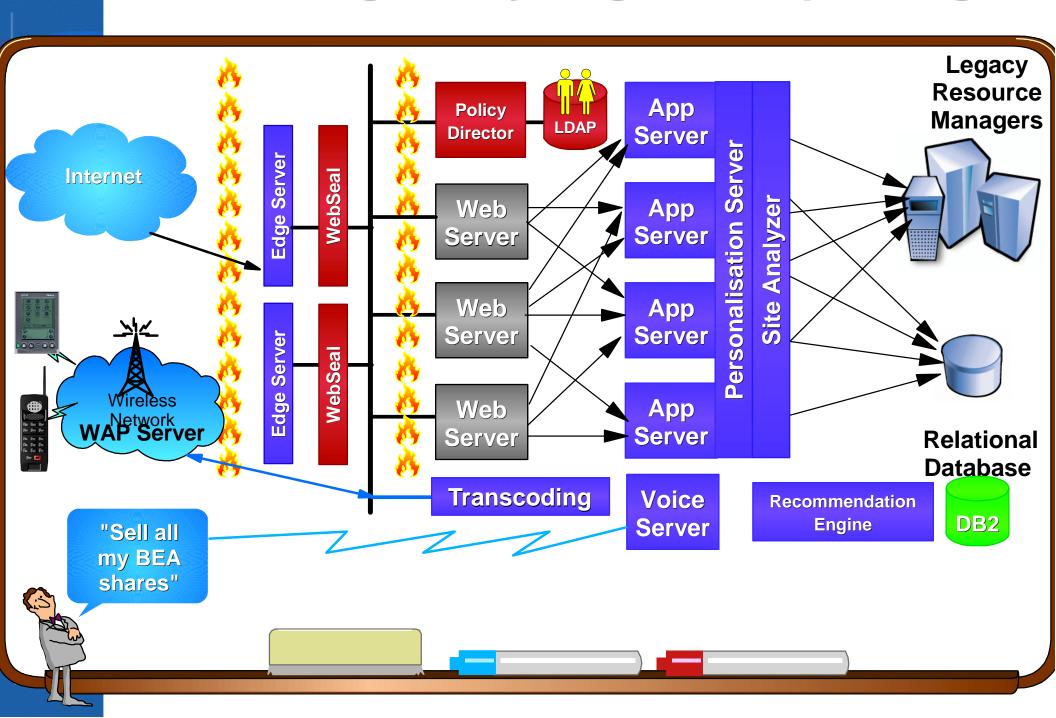


Enabling multi channel access



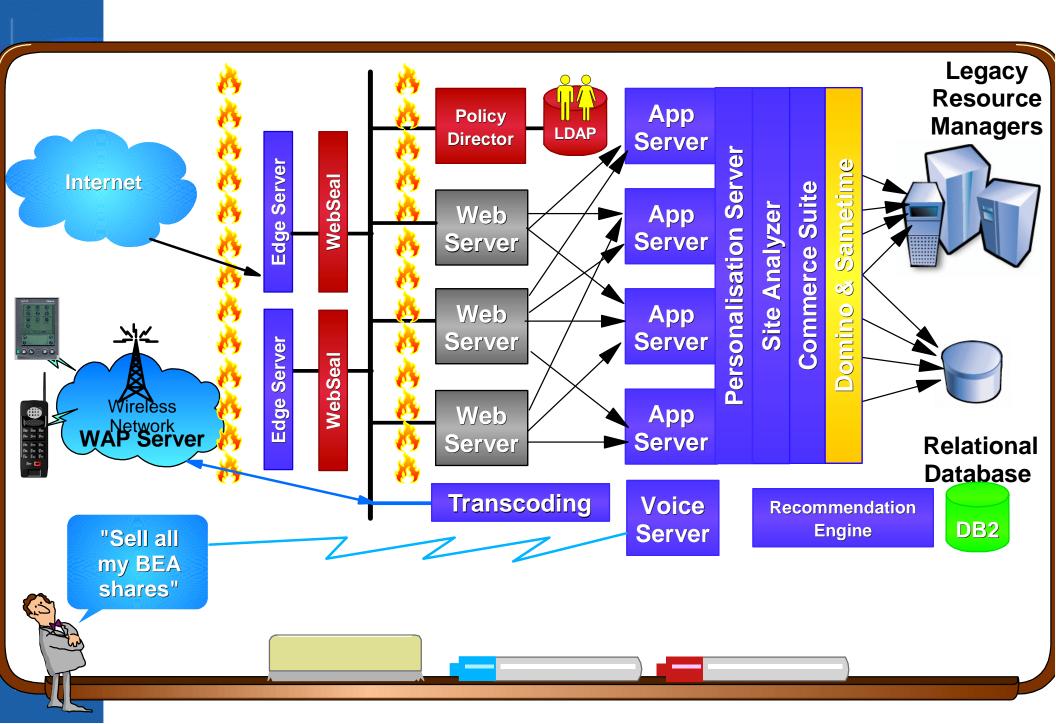


Measuring, analysing and improving



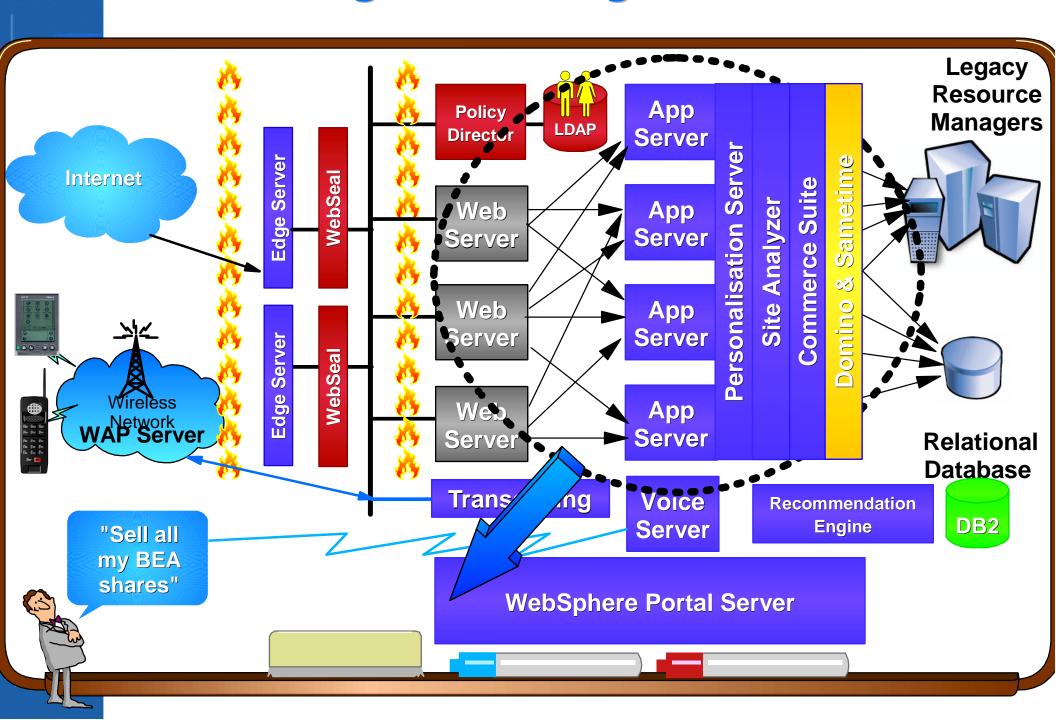


Add commerce....and collaboration





Now bring all this together





So that takes care of the user experience....

.....what do I do about my integration problem....?



What exactly IS my problem ?....lots of systems.....

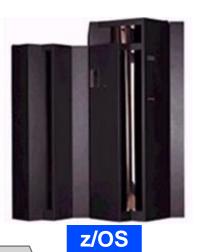








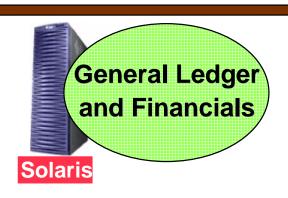


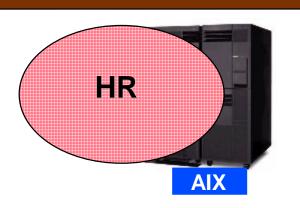




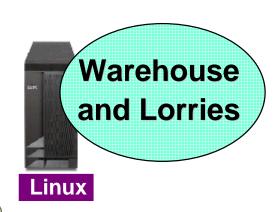
....lots of applications.....







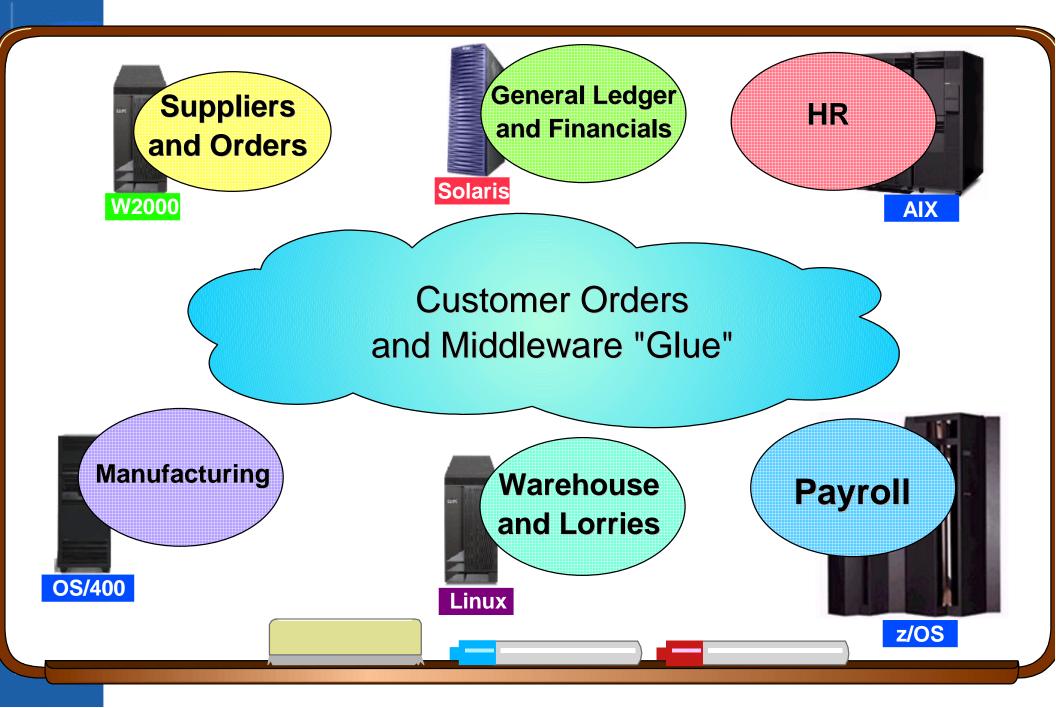






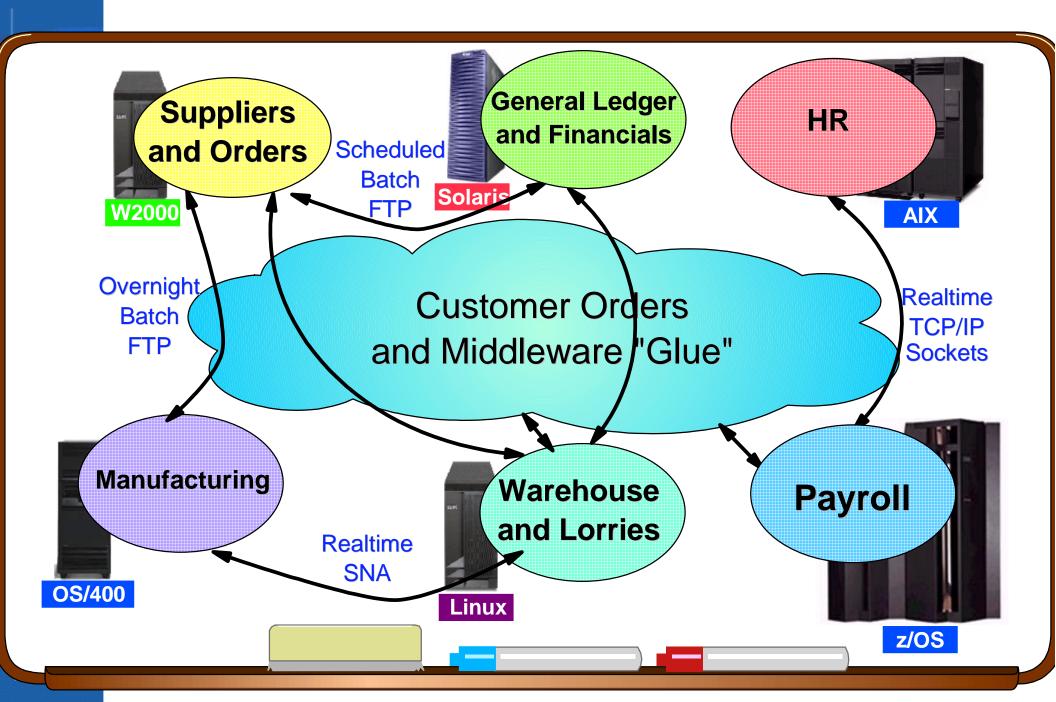


...some in-house "glue"....



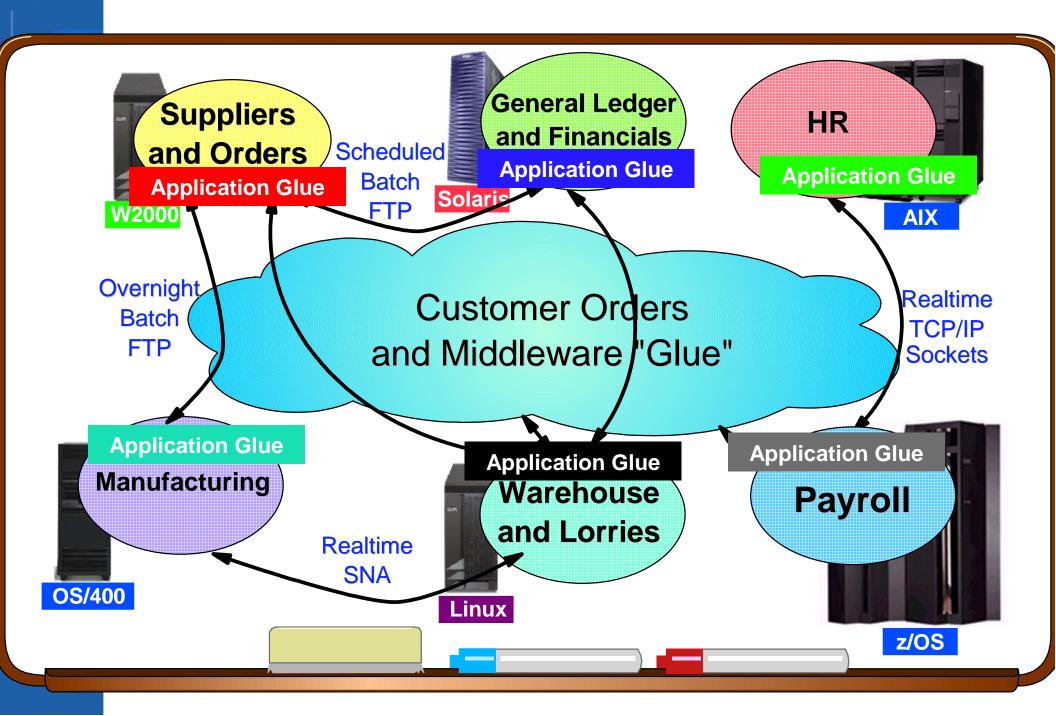


...plenty of "wet string" tying it together





...there's some logic mixed in too....





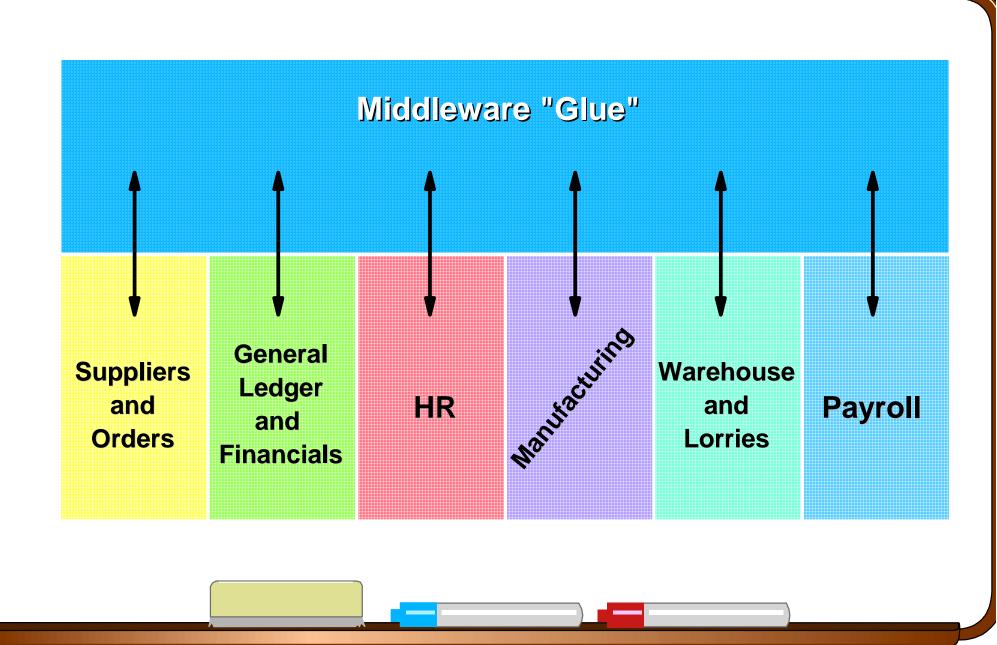
Why is this a Problem?

- Bespoke Application Code
 - Costs of maintenance
 - Can be up to 40% of AD budget (Gartner)
 - Costs of code distribution
 - Error prone
- Unreliable Connectivity Tools
 - Costs of reconciliation
 - Costs of lost or delayed business
 - Undocumented, Unsupported
- Difficult to integrate / acquire other organisations



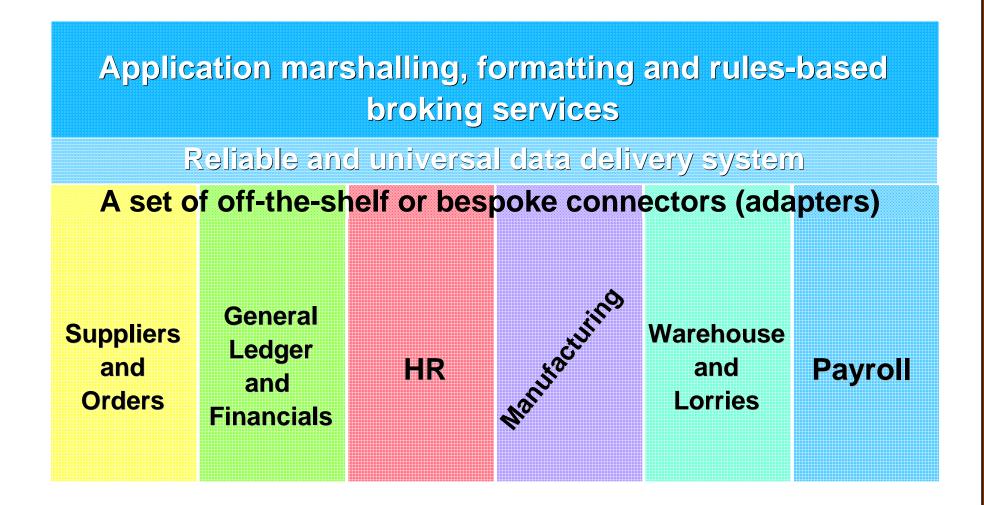


What I'd really like is.....



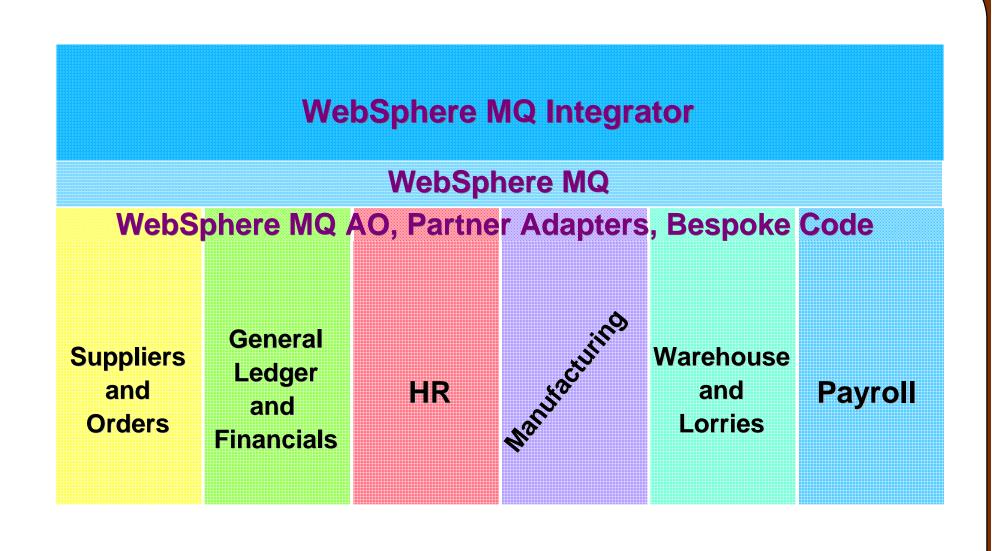


Or better still.....



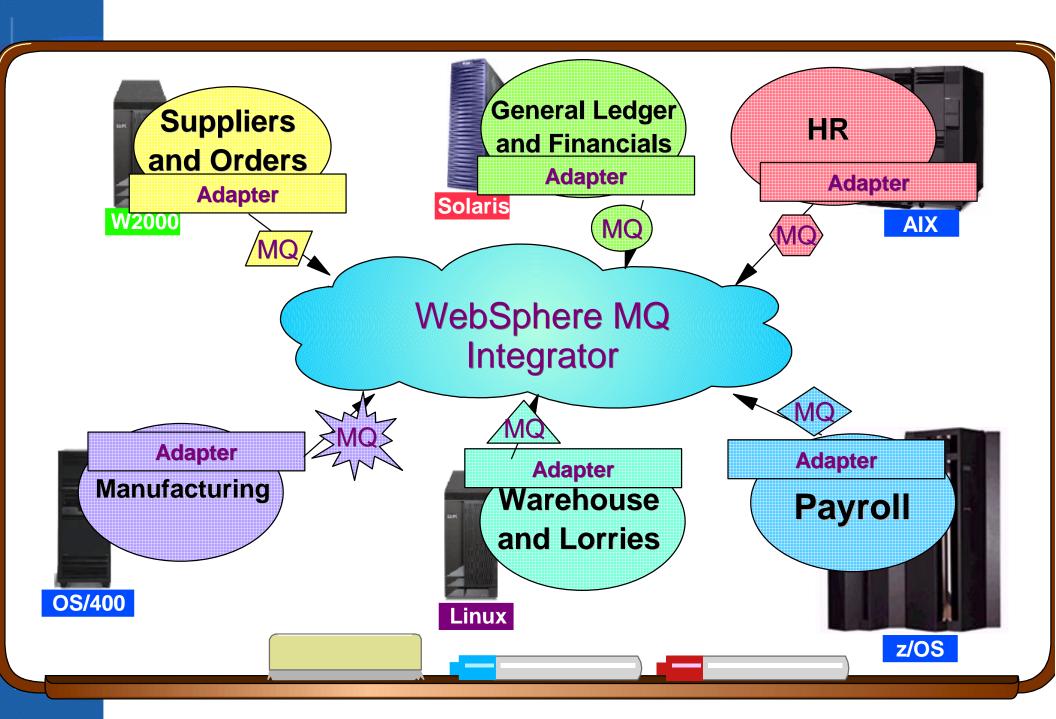


IBM can do all this.....





So that means.....





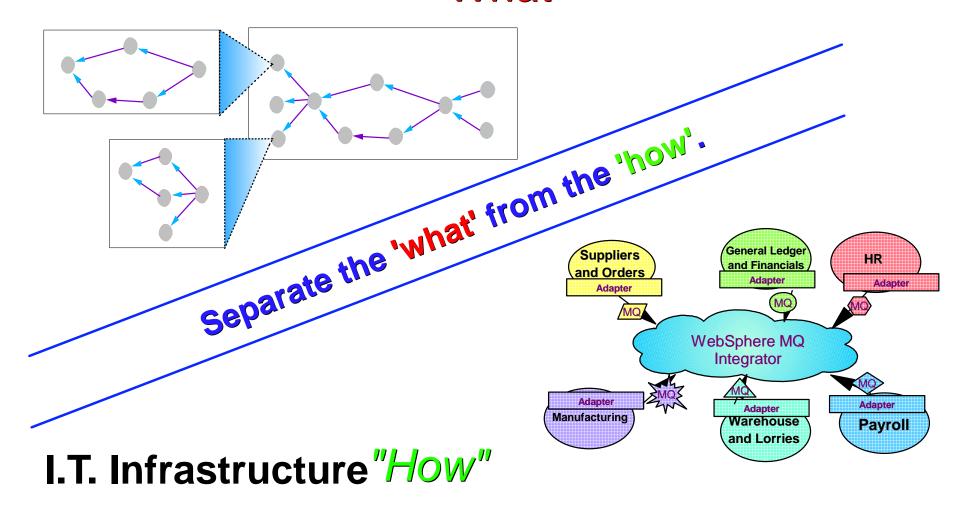
OK, that sorts out my integration problem....

....what about those business processes....?



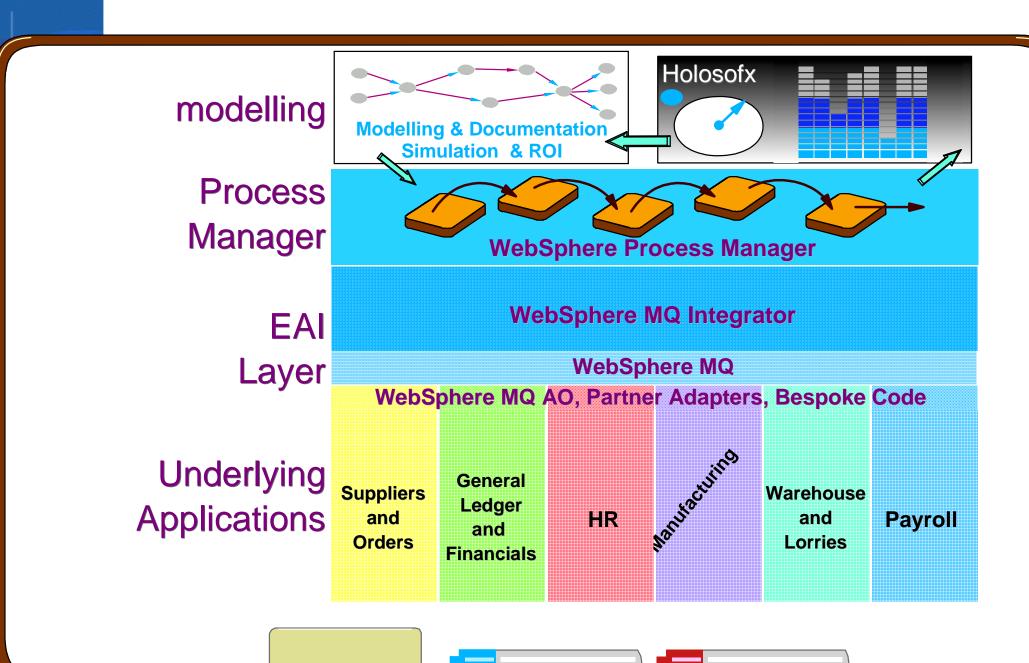
Processes are the "what" infrastructure is the "how"

Business Processes "What"





If we add these components in....\



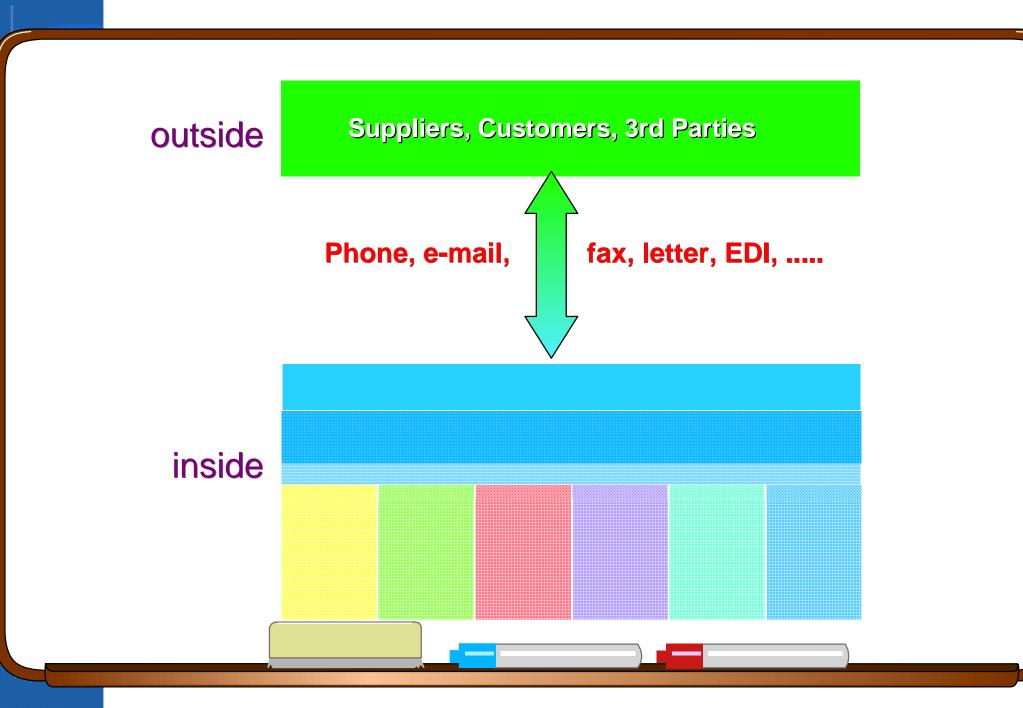


How do I extend this to my partners?

- How do I integrate with my supplier(s) ?
- How do I deal with all their different processes?
- How do I deal with our different technologies?
- How do I make this reliable ?
- How do I manage processes which run across both our organisations?
 - How do I re-order my stock ?
 - How do I do just-in-time fulfilment for my customer orders?
 - How do I let my supplier manage MY inventory ?
- How do I react to changes more quickly?
 - New suppliers
 - New routes to market

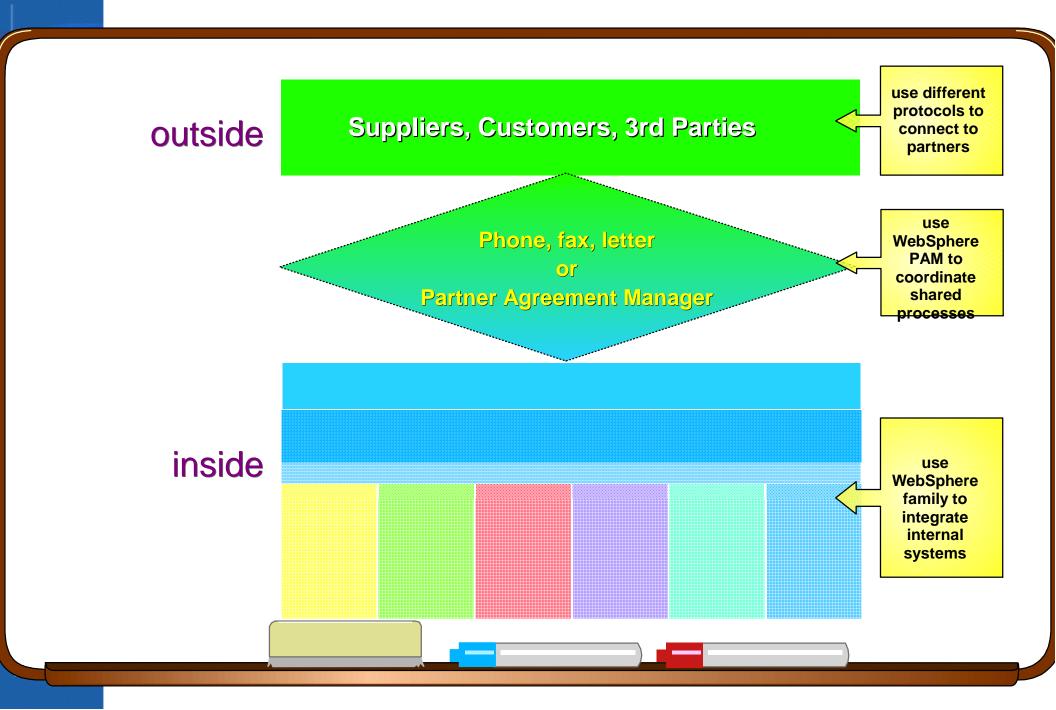


How does it work today....?



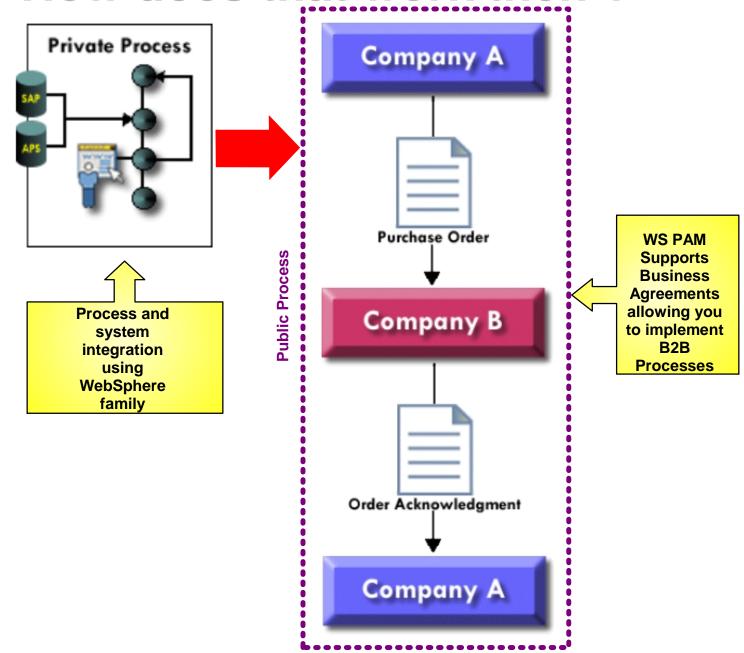


Managing the process





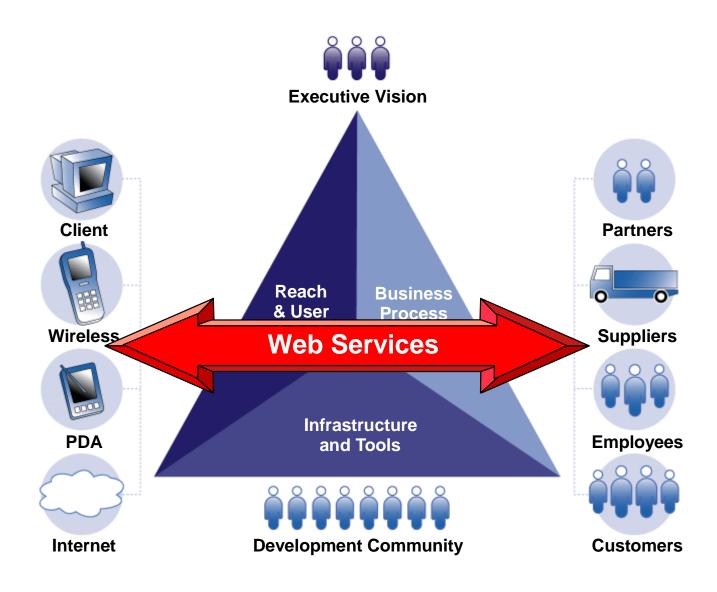
How does that work then?







WebSphere Software Platform







What Are Web Services

and What Is Their Value?



Applications which interact with each other using Web standards

- Businesses benefit by using Web Services to:
 - Connect applications to applications in other businesses quickly and easily
 - Establish interaction with marketplaces more efficiently
 - Deliver business functions to a broader set of customers and partners
 - Pursue new business models by combining applications in new dynamic ways





Development Tools

....today

....and tomorrow

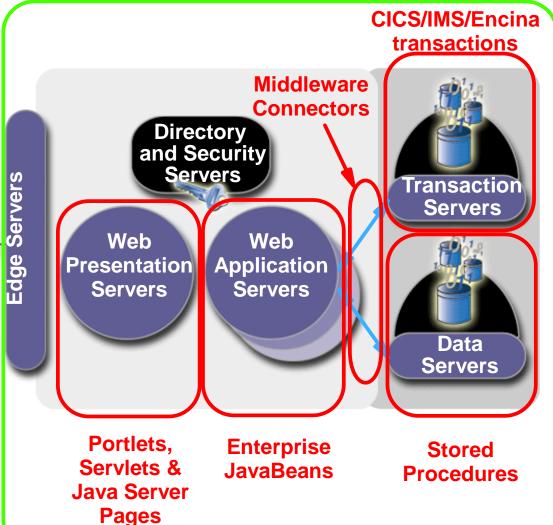


What do we develop?



HTML, Applets, Applications

External Java and non-Java Applications

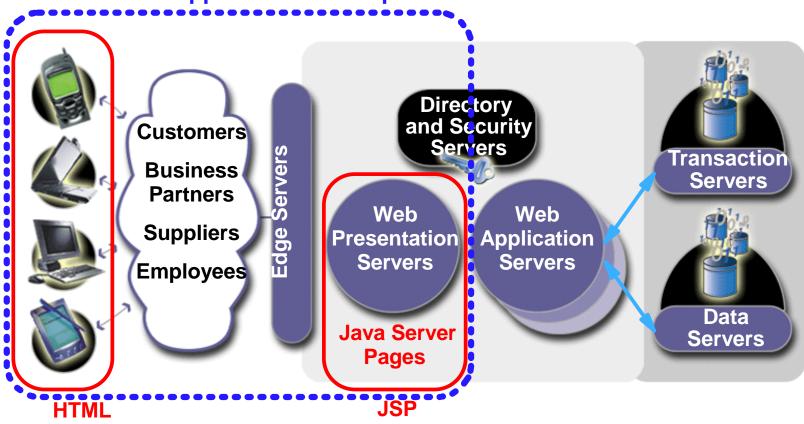






How do we develop themtoday?

Built by a page designer in WebSphere Studio Application Developer

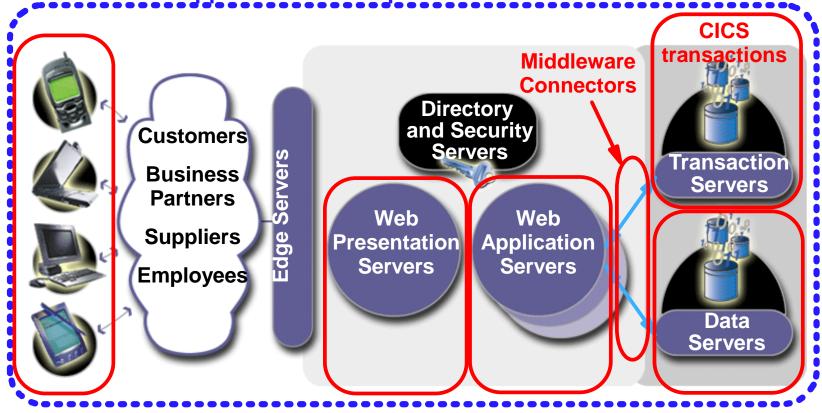






How do we develop themtoday?

Built by a Java programmer in Websphere Studio Application Developer



Applets, Applications

Portlets, Servlets **Enterprise Java Beans**

Stored Procedures



....and tomorrow?

non-IBM Offerings & Extensions

Partner Products & Developer Specific Plug-ins Rational, Merant, Serena, Instantiations, ...

IBM Specialized Modular Extensions ----- WebSphere ----

Portal Server Plug-in Business Integrator Plug-in VoiceXML Server plug-in Commerce Server plug-in ... Many more to Come

IBM
WebSphere
AD Tools
Portfolio

WS Studio Enterprise Developer
WS Studio Application Developer

WS Studio Site Developer

Versata Studio (i-RAD) J2EE & Web Services Application Adapter Toolkit

etc.

Open Tools
Platform
Services

WebSphere Studio Workbench

Infrastructure, Software Configuration Management, Windows/ Linux





Review: What have we covered so far ...?

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Review: Capabilities

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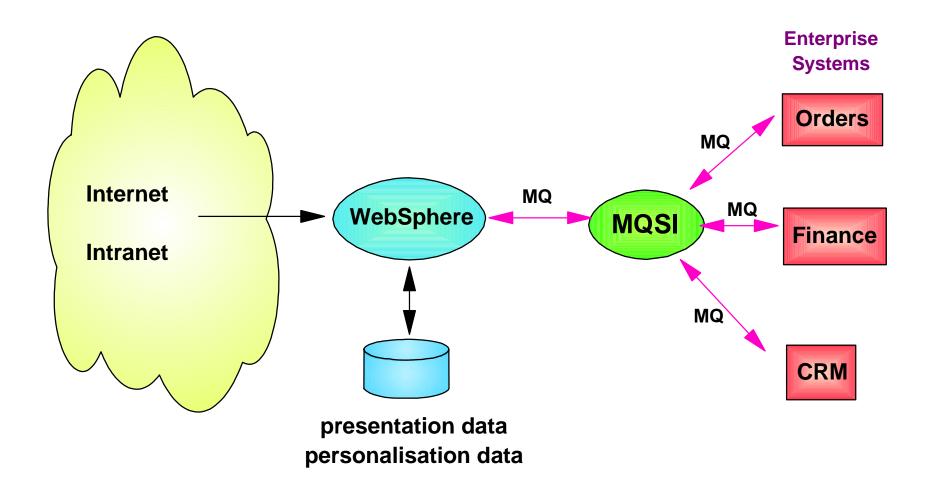
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Foundation



A simple proposition....







Summary

