



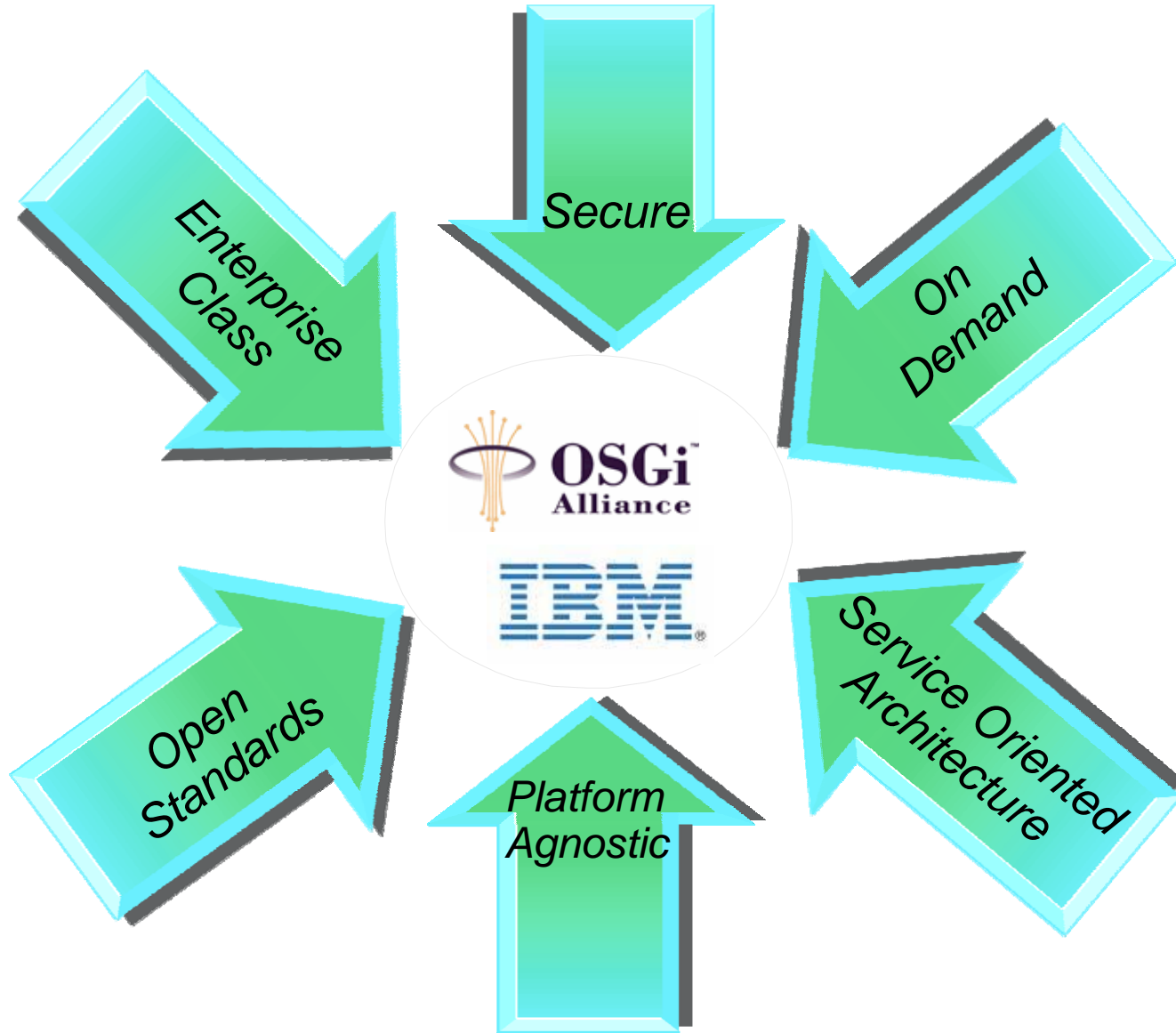
The Benefits of an Open Service Oriented Architecture in the Enterprise

Craig Hayman
VP, WPLC Development and
Technical Support
IBM Software

Organizational Requirements & OSGi™ Capabilities

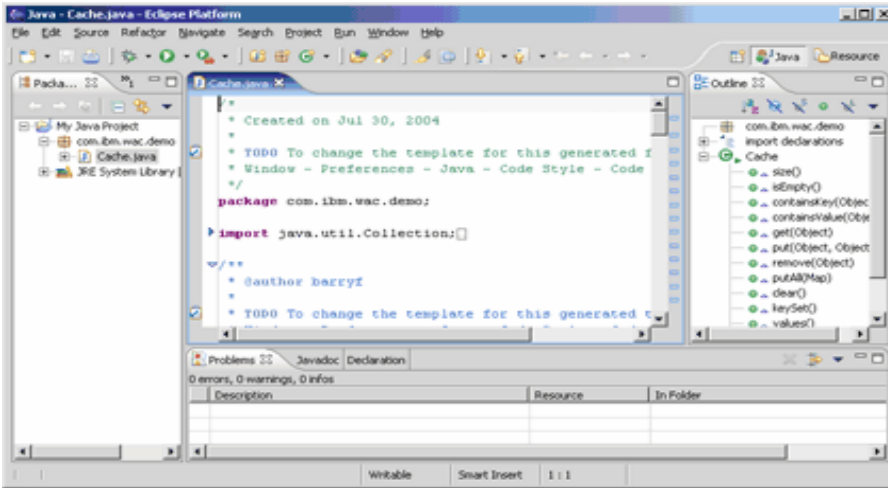
Organizational Requirements:	OSGi Alliance Capabilities:
Fair, open, and democratic governance	Ideal match
Uniform licensing terms with a single party	Ideal match
Credibility in key markets	Strong reputation in Automotive Telematics, & Home Networking
Single, unified platform approach	Ideal match
Membership includes key industry players from all major value chain segments	Need more support from Telecom Service Providers (SPs) & Independent Software Vendors (ISVs)

OSGi™ Alliance and IBM Synergy

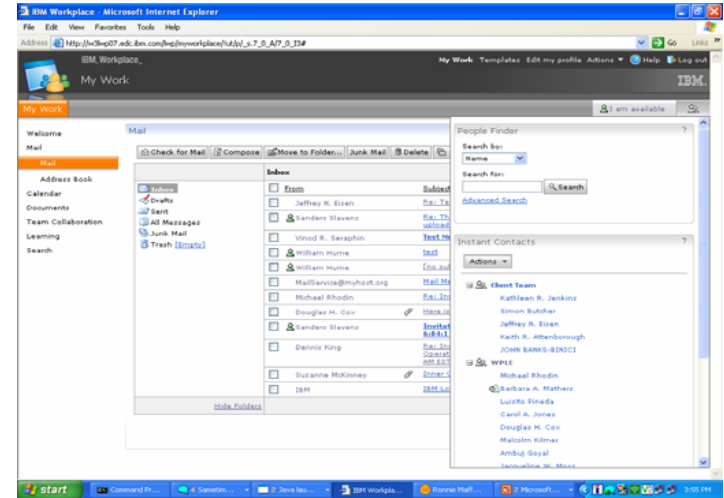


OSGi™ technology - an IBM Software cornerstone

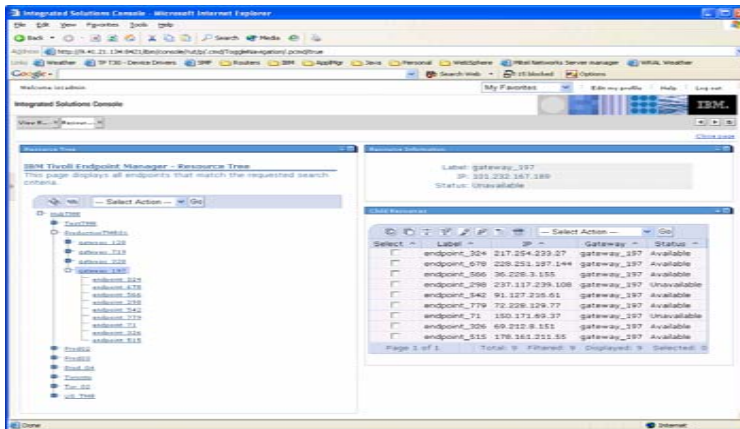
Eclipse and Rational Tooling



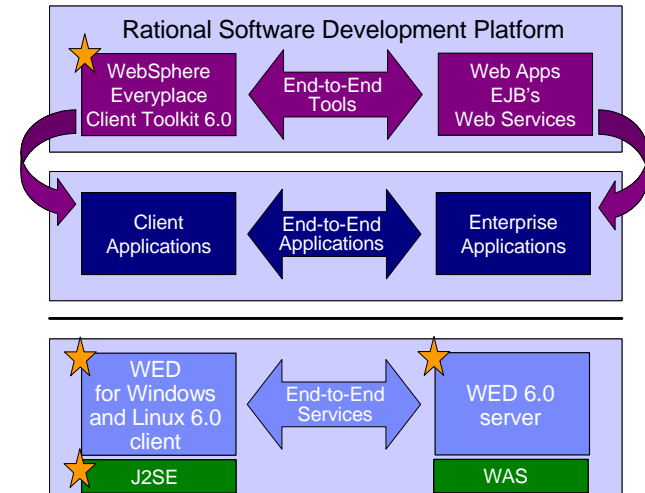
IBM Workplace Client Technology



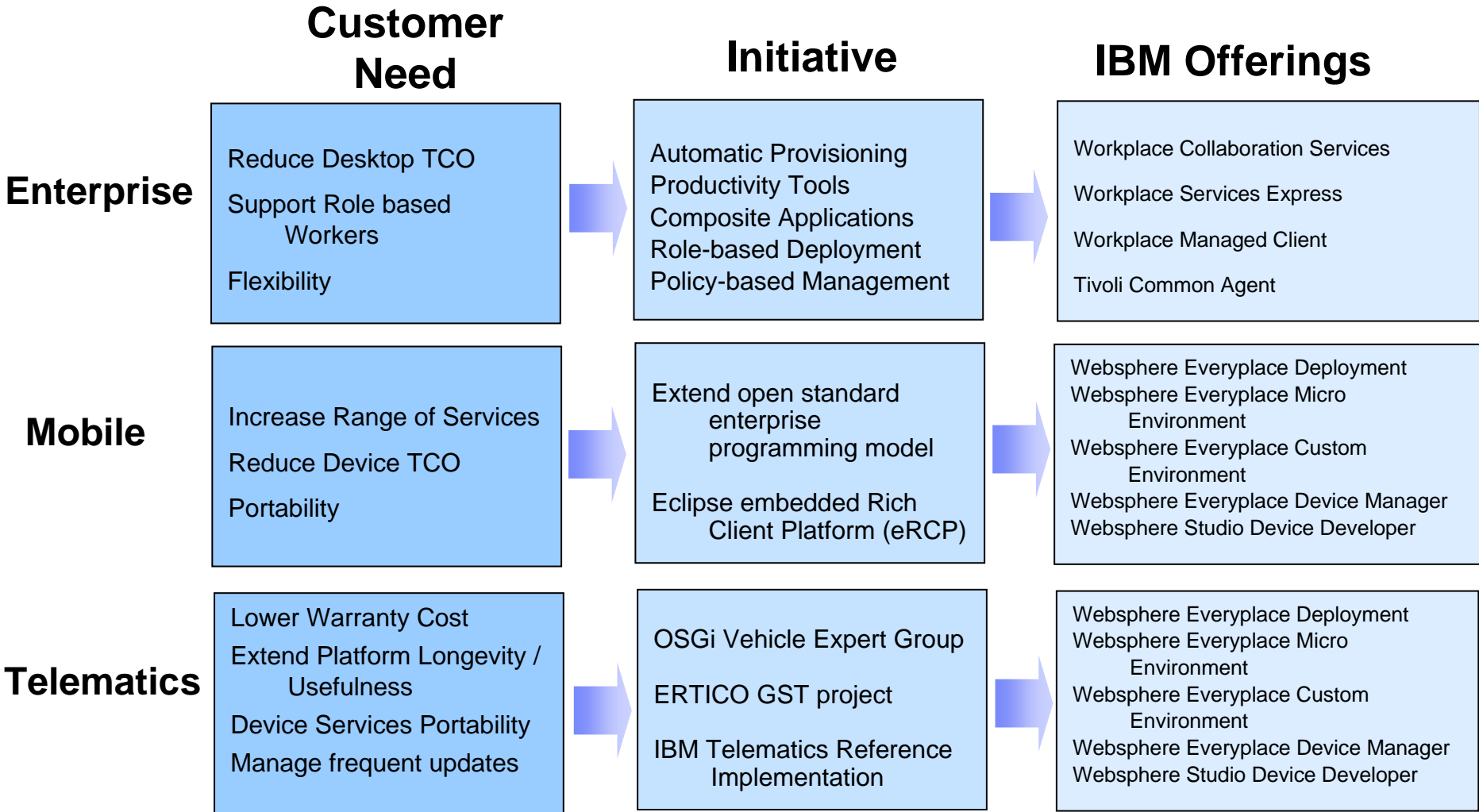
Tivoli Common Agent



WebSphere Everyplace Deployment



OSGi™ technology enabled IBM Business Initiatives

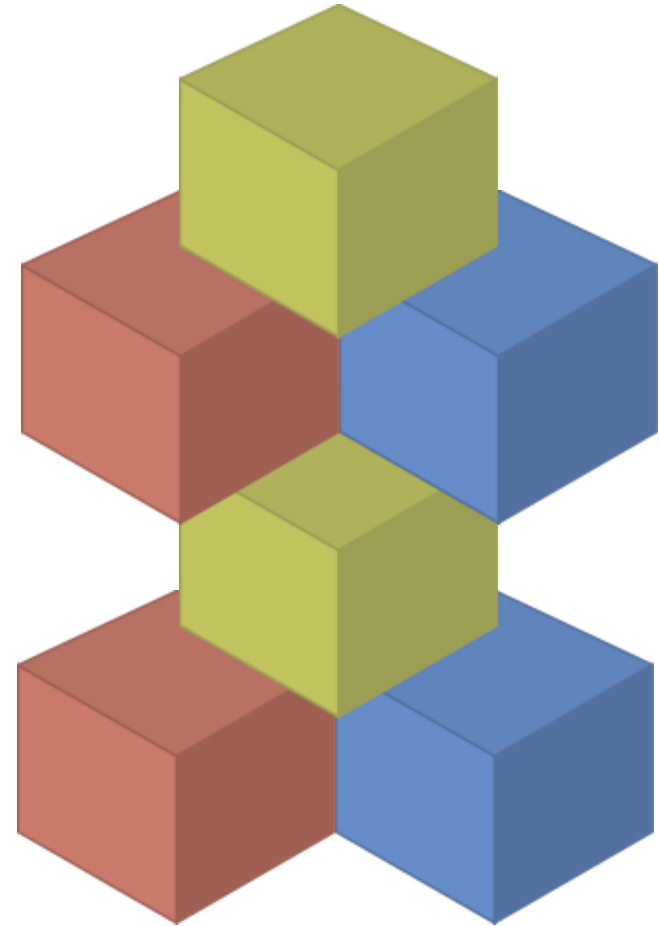


What is a Service-Oriented Architecture?

An **approach** for **building** distributed systems that deliver application functionality as **services** to either end-user applications or other services

- It defines :

- ◆ An architecture that leverages open standards to represent software assets as services.
- ◆ Provides a standard way of representing and interacting with software assets
- ◆ Individual software assets become building blocks that can be reused in developing other applications
- ◆ Shifts focus to application assembly rather than implementation details
- ◆ Used internally to create new applications out of existing components
- ◆ Used externally to integrate with applications outside of the enterprise



Services are the Building Blocks for Reuse!

IBM's view of SOA

... a service?

A **repeatable business task** – e.g., check customer credit; open new account

... service orientation?

A way of integrating your **business as linked services** and the outcomes that they bring

... service oriented architecture (SOA)?

An IT **architectural style** that supports service orientation

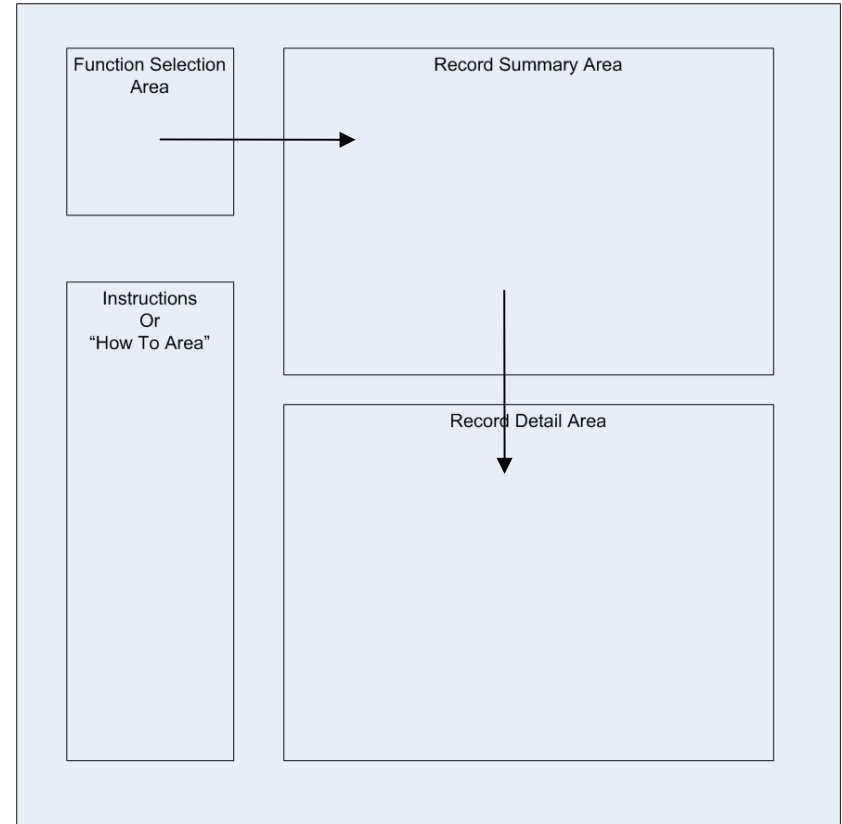


... a composite application?

A set of **related & integrated** services that support a business function

A Simple Composite Application Example

- User performs an action in the navigator portlet in upper left to specify a record set
- In response, the “Record Summary” portlet shows a set of records
- Selecting a record in the summary, show the detail below



An Example of a Composite Application; IWBCR

- The user clicks on a tree node (Test Control Feb 1) in the Evaluation Navigator portlet, it triggers a cooperative portlet event
 - ▶ The Evaluation Detail portlet receives this event, and displays the details of the item clicked on the tree.
- The User clicks on an item on the table in the Evaluation Navigator (Test Procedure Feb 1),
 - ▶ It triggers a cooperative portlet event, the Evaluation Detail portlet on the left hand side receives the event, and sets the tree selection on the tree node (Test Procedure Feb 1).

The screenshot displays the IBM Workplace for Business Controls and Reporting (IWBCR) interface. The main window is titled "IBM Workplace for Business Controls and Reporting" and shows a navigation menu with options like Home, Executive View, Documentation, Evaluation, Organization, Reports, and Financial Reports. The "Evaluation" portlet is active, showing a tree view of controls. The "Evaluation Detail" portlet is also active, displaying details for the selected control "Test Control Feb 1".

Tree View:

- Test BU
 - Test process Feb 1
 - Test Subprocess Feb 1
 - Test Objective Feb 1
 - Test Risk Feb 1
 - Test Control Feb 1** (selected)
 - Test Procedure Feb 1

Evaluation Detail:

Control: Test Control Feb 1
Description: Test Control Feb 1
Shared: No
Rating: NONE
Commitment: NONE
Type: NONE
Control Execution: Automated
Control Execution Description: dfa
Control Execution Frequency: Daily
Owner: Mary Stokes
Delegates:
Assertions: Completeness
Outlines: 7.1
Certification: Not Certified

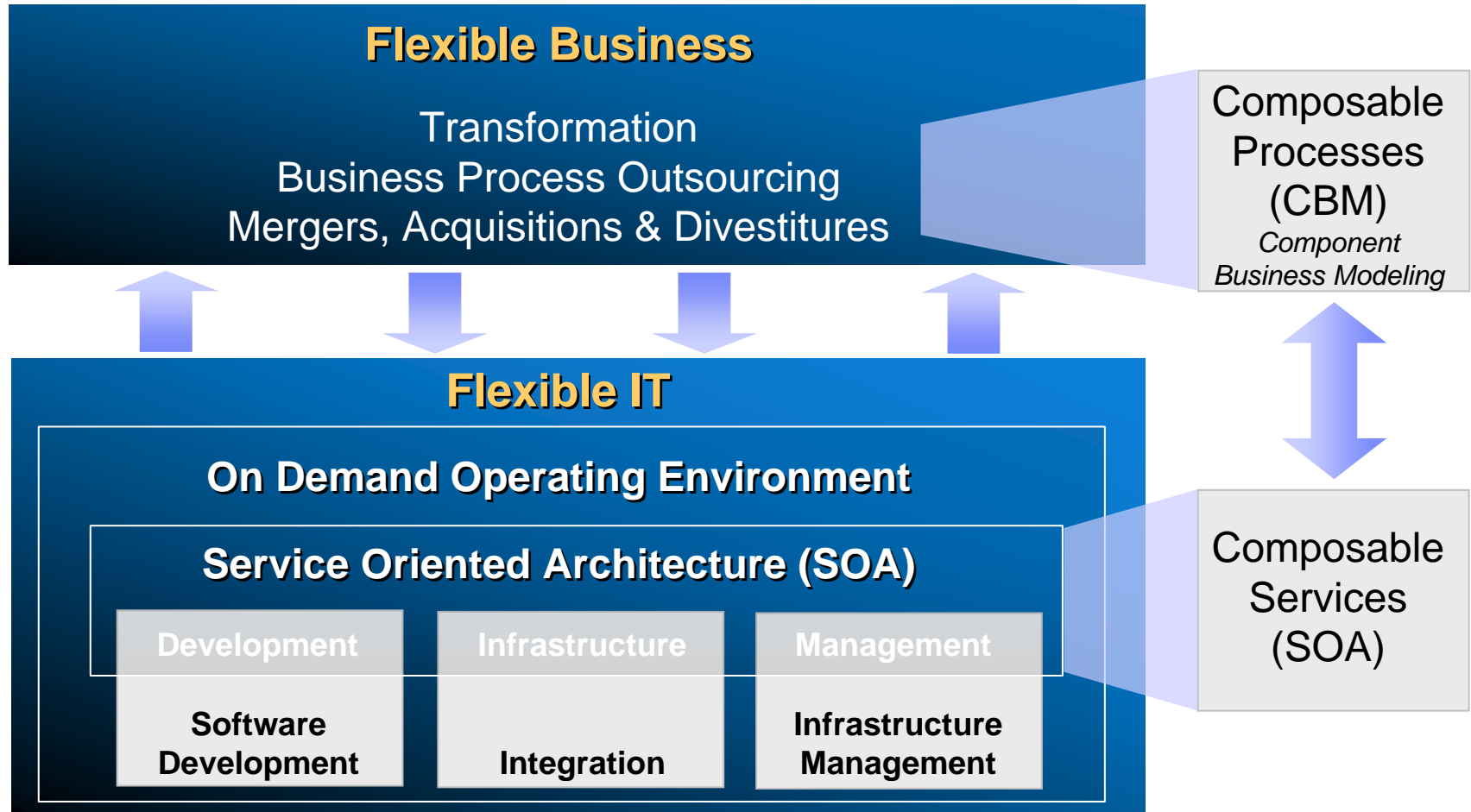
Procedures for Current Control:

Procedure	Owner	Last Test Date	Comment
7.1 Test Control Feb 1	Mary Stokes	Not Tested	Empty

Page 1 of 1 Total: 1 Displayed: 1

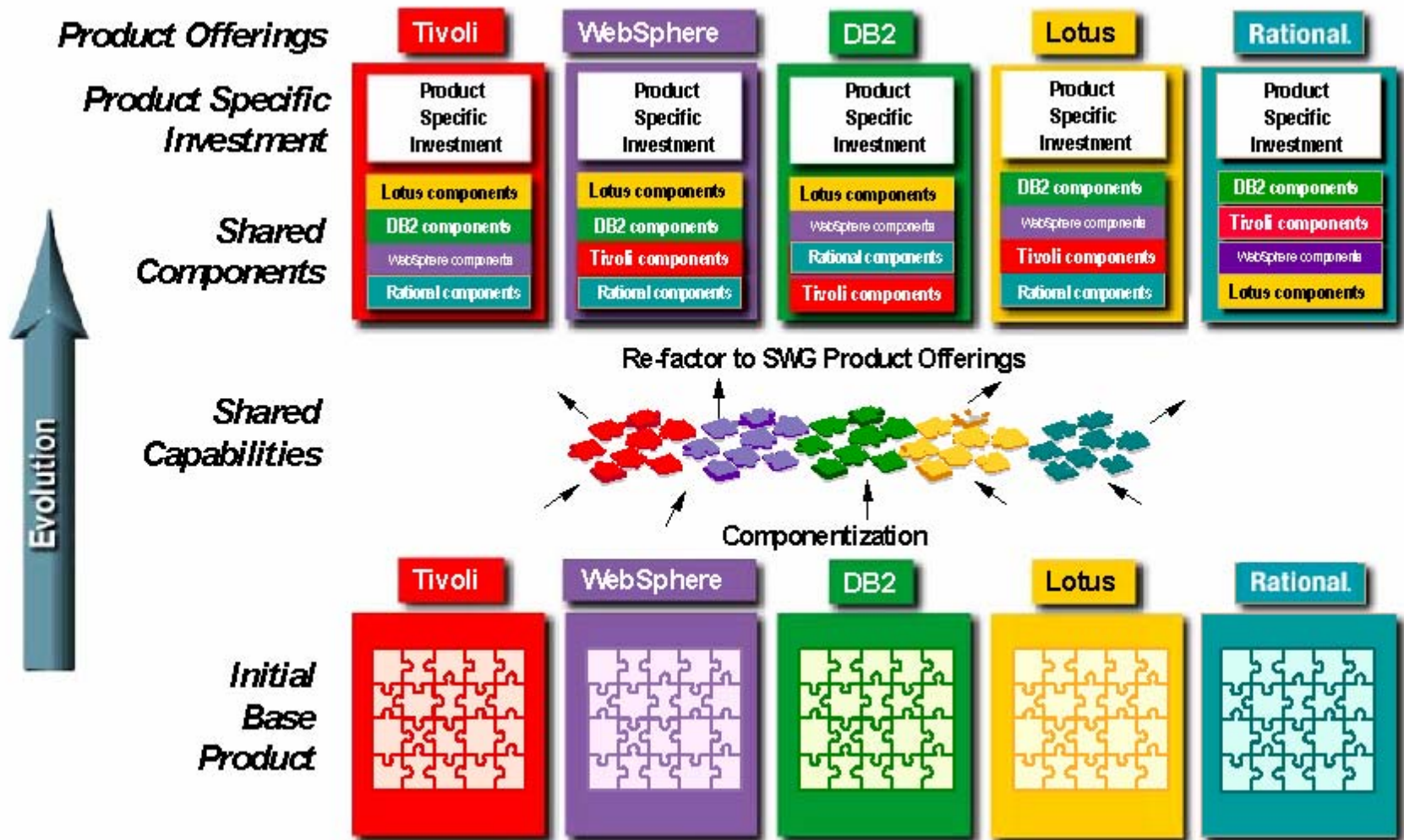
Greater Flexibility

Required From Business Models And The Supporting IT Architecture

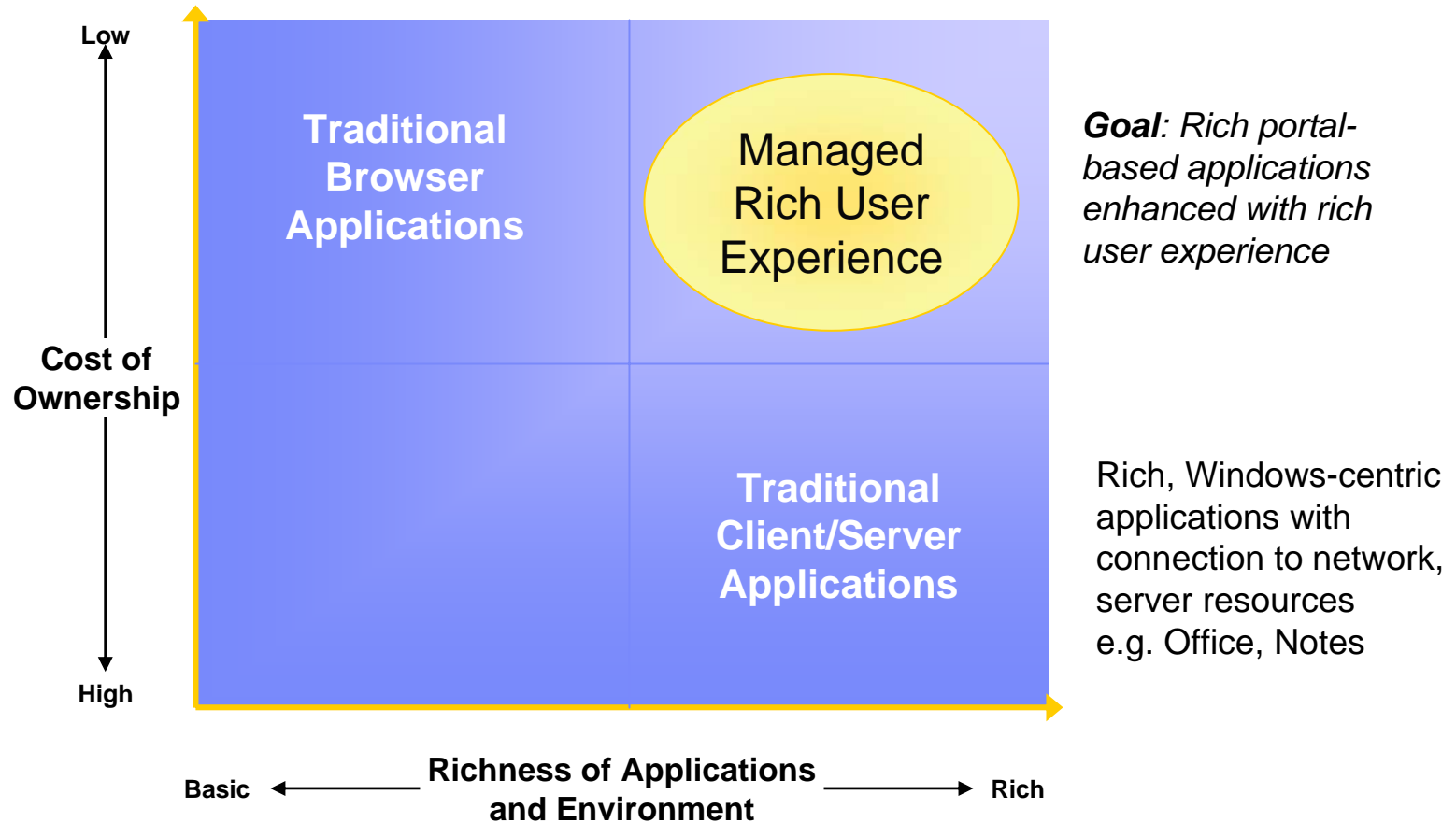


Componentization:

Sharing capabilities



Deliver Rich Client Functionality at low TCO



IBM Workplace

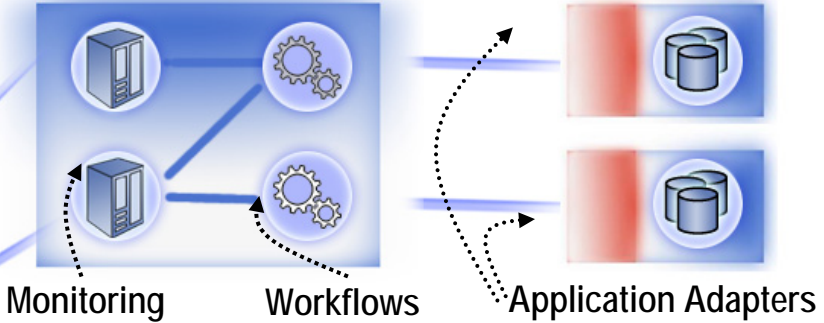
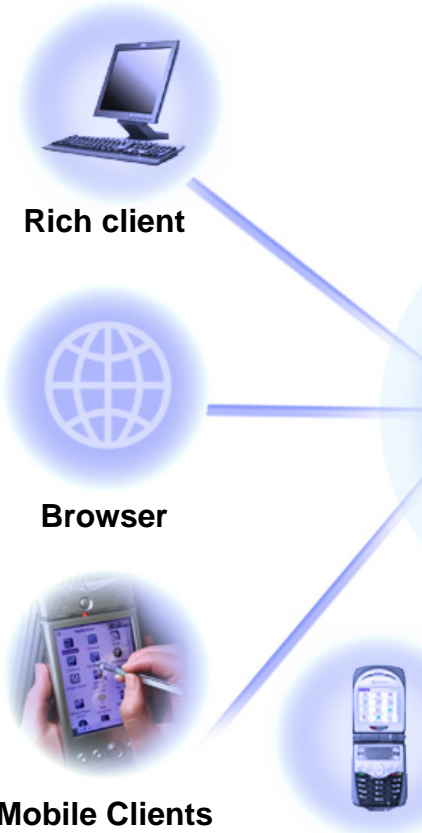
Enabling More People More Productive in the Context of The Business They Do Every Day

FRONT-END
INTEGRATION

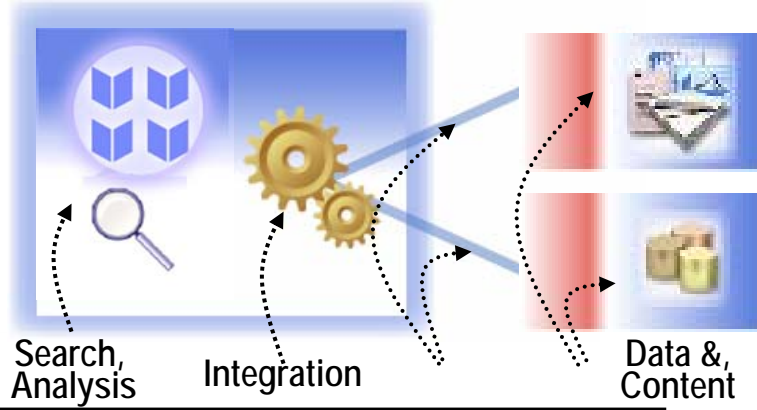
BACK-END
INTEGRATION

BUSINESS PROCESSES

IBM WORKPLACE



INFORMATION



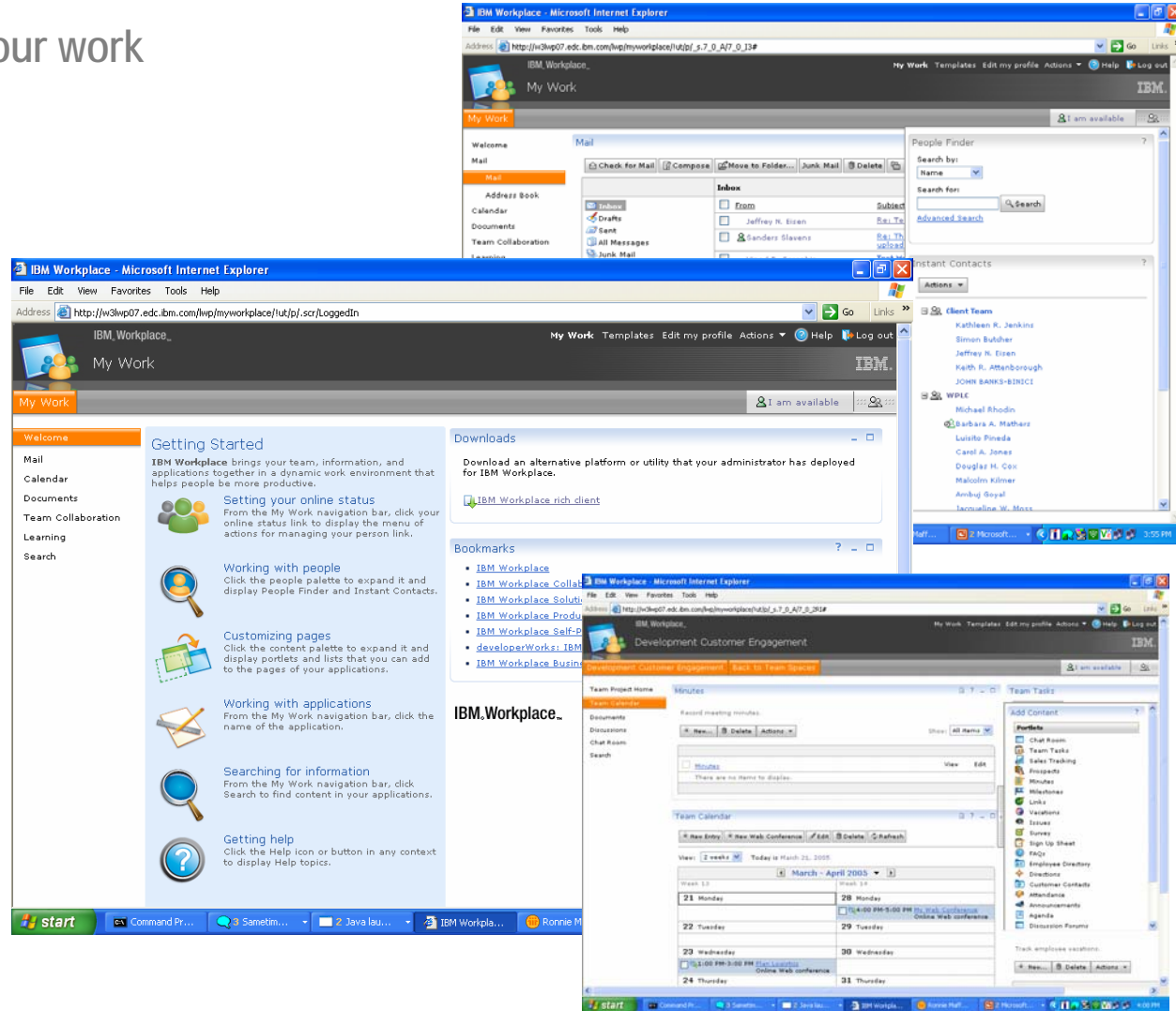
The power of one architectural model, one programming model, one consistent tool set



IBM Workplace Integrates Capability You Need Dynamically

... based on the context of your work

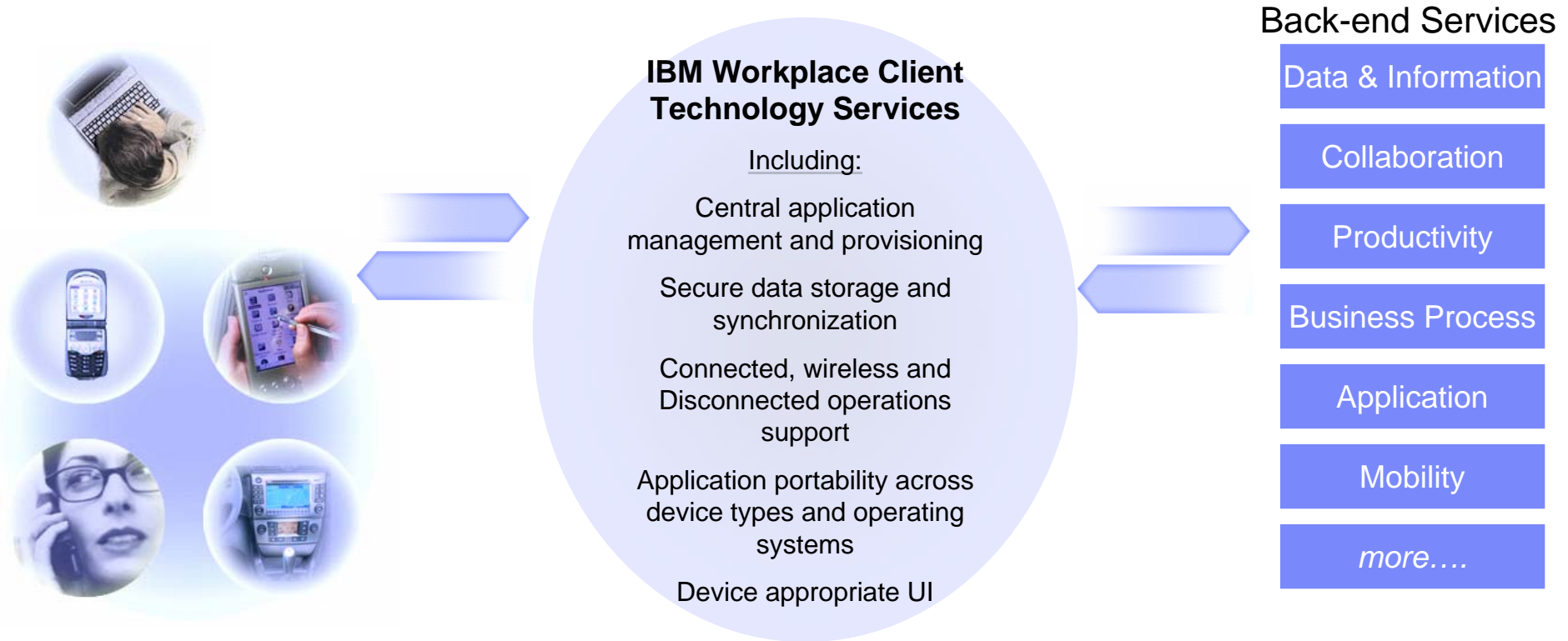
- Messaging
- Calendar and schedule
- People finder
- Awareness and chat
- Team places
- Virtual meetings
- Document management
- Editors and viewers
- Threaded discussions
- Workflow
- Learning



IBM Workplace Client Technology

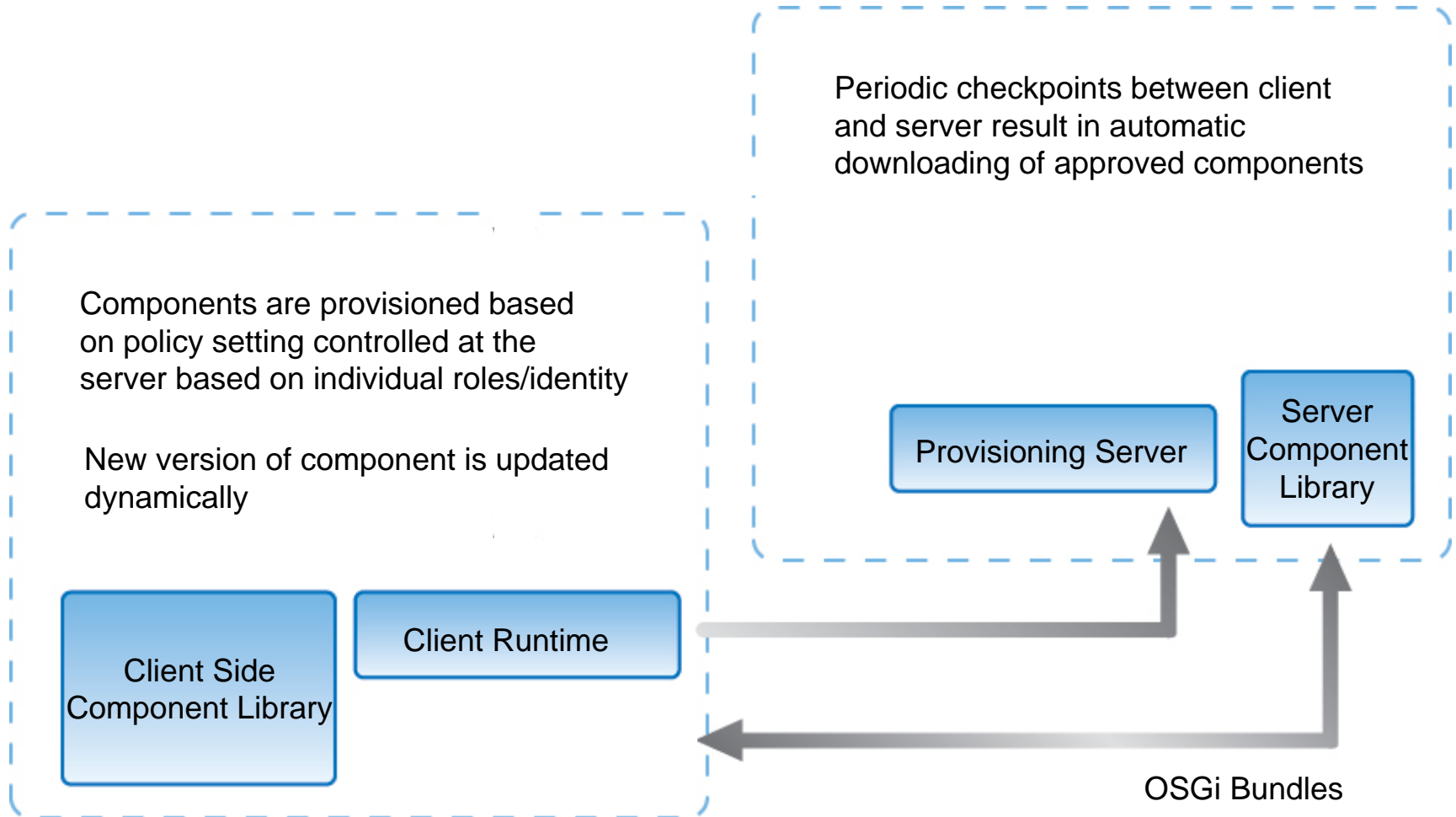
Making More People More Productive in the Context of the Business they do Every Day

IBM Workplace Client Technology is a single model by which applications can be defined, built, run and managed ~ based on the what business activity or task is being accomplished and the device characteristics



The power of one architectural model, one programming model, one consistent tool set

Management and Provisioning Infrastructure





Demonstration

Maureen Leland
UI Architect, WPLC Workplace Designer
IBM Software

The screenshot shows the IBM Workplace Collaboration Services Home Page in a Mozilla Firefox browser window. The browser title is "IBM Software - IBM Workplace Collaboration Services Home Page - Mozilla Firefox". The address bar shows the URL "http://www.lotus.com/products/product5.nsf/wdocs/workplacehome". The page features the IBM logo, a navigation menu with "Home", "Products", "Services & solutions", "Support & downloads", and "My account", and a search bar. The main content area is titled "IBM® Workplace™ Collaboration Services" with the tagline "Simply a better way for people to collaborate". It includes a "Buy online" button, a "We're here to help" section with "Call me" and "E-mail us" options, and a "Video" section featuring a Gartner analyst. A "Benefits" section lists several advantages of the service, such as providing a simplified user experience and a single unified collaboration environment. A "Related links" sidebar on the left provides additional resources, and a "Demos & trials" section is located at the bottom right.

IBM Software - IBM Workplace Collaboration Services Home Page - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.lotus.com/products/product5.nsf/wdocs/workplacehome

Getting Started

Country/region select Terms of use

IBM

Search

Home Products Services & solutions Support & downloads My account

IBM Workplace Collaboration Services

Library

Case studies

How to Buy

Services

Support

Business Partners

developerWorks: Workplace

Warranty

Related links

- Lotus, Workplace and Portal products at a glance
- IBM Workplace
- IBM Workplace Solutions
- IBM Workplace Services Express
- IBM Workplace Designer
- IBM Workplace Managed Client
- IBM Workplace Web Content Management
- IBM Workplace Solutions Catalog
- SOA in IBM Workplace Strategy

IBM® Workplace™ Collaboration Services

Simply a better way for people to collaborate

IBM® Workplace™ Collaboration Services is a single product that provides a full range of integrated ready-to-use communication and collaboration tools that enable people to do their jobs more effectively – anytime, anywhere. With the flexibility to deploy any mix of capabilities, it provides a ready-made foundation to build customized role-based Workplace environments that provide the tools and information people need to do their work more efficiently.

Available as a fully integrated product or with the option to purchase the capabilities separately such as Workplace Messaging (see Licensing options below), Workplace Collaboration Services is built on a componentized architecture that is adaptable to enable people and teams to react fast to changing business needs. IBM Workplace products provide the front-end to IBM's service oriented architecture (SOA) strategy.

Buy online

We're here to help

Easy ways to get the answers you need.

Call me

E-mail us

or call us at
800-465-6887 Priority code: 104CBW74

Video

Video Gartner analyst Tom Austin shares his insights around the concept of the high performance workplace

Demos & trials

Flash demo New voice narrated browser client tour

Benefits

- Provides a simplified, consistent user experience on a range of client devices to give people the right tool for their role.
- Provides a single unified collaboration environment that is simpler and costs less to manage than multiple products.
- Protects current and future investments with access to existing information sources and applications such as IBM Lotus® Notes® and Lotus Domino® software.
- A single license makes it easy for IT to purchase, administer and deploy.

Done