JavaOne℠

Sun's 1997 Worldwide Java Developer Conference®

A Sun Customer's Java Solution: Java™ Enterprise Computing

Stu Lerner
Business Development Manager
Sun Microsystems, Inc.

Java™ Enterprise Computing

- ◆ First complete solution
  - ◆ Thin client / Fat server
  - ◆ Develop, deploy, manage
  - ◆ Integration and services
- ◆ Industry leaders are using it
  - ◆ BT
  - ◆ CSX
  - ◆ Kodak
  - ◆ First Union
  - ◆ FTD
  - ◆ FedEx

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Enterprise Computing Challenges

- Administration
- Cost
- Software development and distribution
- Security

Early Applications

Information access

Early Applications

Information access

- ◆ Customer management systems

Early Applications

Information access

- ◆ Customer management systems
- ◆ Terminal upgrade

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Early Applications

Information access

◆ Customer management systems

◆ Terminal upgrade

◆ Information kiosks

Early Applications

Information access

- ◆ Customer management systems
- ◆ Terminal upgrade
- ◆ Information kiosks
- ◆ Extranet

Future Applications

Transaction and computation

Future Applications

Transaction and computation

◆ Retail systems

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Future Applications

Transaction and computation

- ◆ Retail systems
- ◆ Sophisticated kiosks

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Future Applications

Transaction and computation

- ◆ Retail systems
- ◆ Sophisticated kiosks
- ◆ Securities trading

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Future Applications

Transaction and computation

- ◆ Retail systems
- ◆ Sophisticated kiosks
- ◆ Securities trading
- ◆ Systems for SOHO and vertical markets
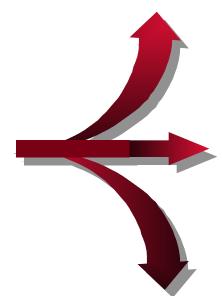
The BT "ServiceView" Java Platform

Lee Stephens
Network Computing Engineer
British Telecom

Why ServiceView?

- ◆ "To deliver an integrated approach to new service improvements and product introduction"
- ◆ Service brand
- ◆ Raising the high bar of customer service
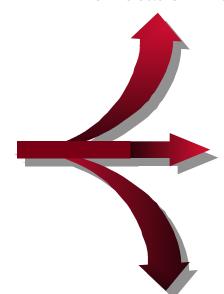
ServiceView Objectives

Increase Revenues

**Innovation and
Speed to Market**

Decrease Costs

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ServiceView Objectives

Increase Revenues

Innovation and
Speed to Market

Decrease Costs

Cue Network Computing!

Network Computing

◆ CGI

Network Computing

◆ CGI
  - Not scalable, manageable, maintainable

Network Computing

- ◆ CGI
    - ◆ Not scalable, manageable, maintainable
    - ◆ Poor interactivity

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Network Computing

- CGI
  - Not scalable, manageable, maintainable
  - Poor interactivity
  - Yuck!

Network Computing

- CGI
  - Not scalable, manageable, maintainable
  - Poor interactivity
  - Yuck!
- Java

Network Computing

- ◆ CGI
  - ◆ Not scalable, manageable, maintainable
  - ◆ Poor interactivity
  - ◆ Yuck!
- ◆ Java
  - ◆ Flexibility

Java Computing

Java Computing

- ◆ First prototype
  - ◆ Hand coded proof of concept

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Java Computing

- ◆ First prototype
  - ◆ Hand coded proof of concept
- ◆ Quick win
  - ◆ Oracle Web Forms

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Java Computing

- ◆ First prototype
  - ◆ Hand coded proof of concept
- ◆ Quick win
  - ◆ Oracle Web Forms
- ◆ Strategic vision
  - ◆ Objects everywhere

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Prototype Development

Prototype Development

◆ Management discussions

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Prototype Development

- Management discussions
- Management discussions

Prototype Development

- ◆ Management discussions
- ◆ Management discussions
- ◆ Developers get 6 weeks
  - ◆ Design is clear
  - ◆ Implementation in 6 man weeks
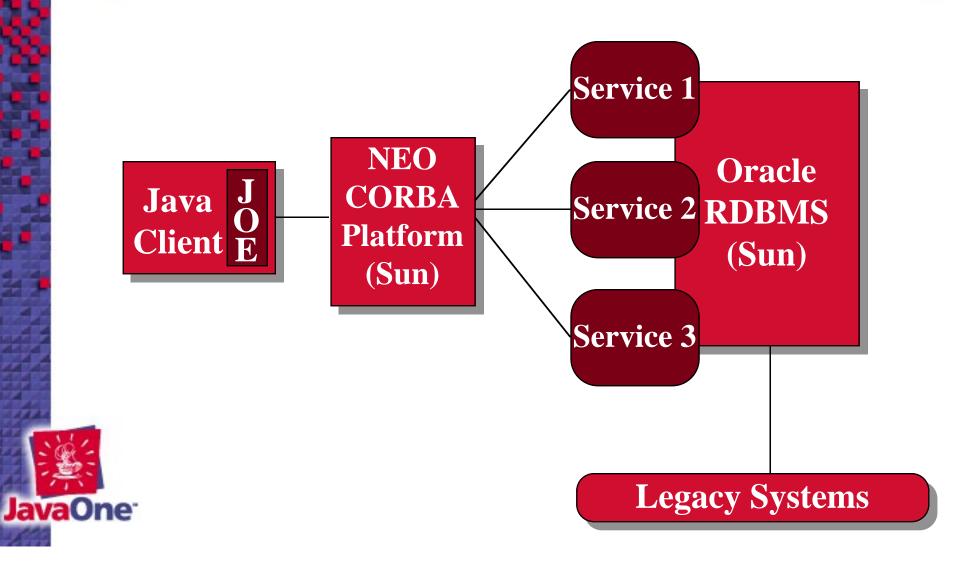 - ◆ Legacy access kills!
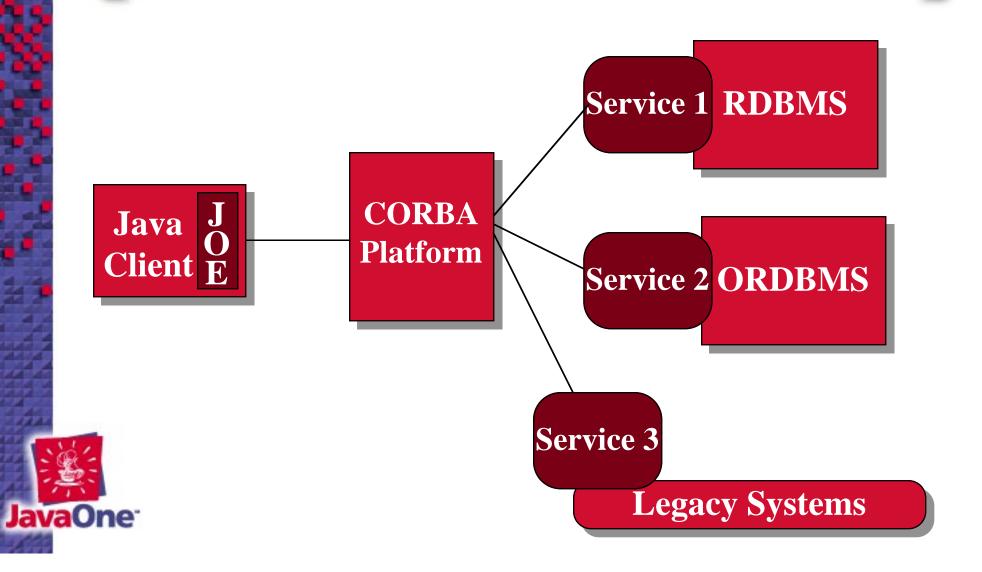
Previous Architecture

Oracle Forms PC Client

Oracle RDBMS (Sun)

Legacy Systems

New York, Brussels, London and Seoul

Strategic Vision

Java Client JOE — CORBA Platform

Service 1 RDBMS

Service 2 ORDBMS

Service 3

Legacy Systems

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Experiences

- Improved development times
- Pace of change
- Tool immaturity
- Legacy access

BT and Java Computing

BT and Java Computing

- ◆ Expanding our research and development teams

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BT and Java Computing

- Expanding our research and development teams
- Investigating internal use
  - Dumb terminal replacements
  - Cheap OA machine

BT and Java Computing

- Expanding our research and development teams
- Investigating internal use
  - Dumb terminal replacements
  - Cheap OA machine
- Deploying customer trials