



The Java™ Community: All for One and One for All

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Rules of the Road

- Things change
- One size does not fit all
- The web is charge

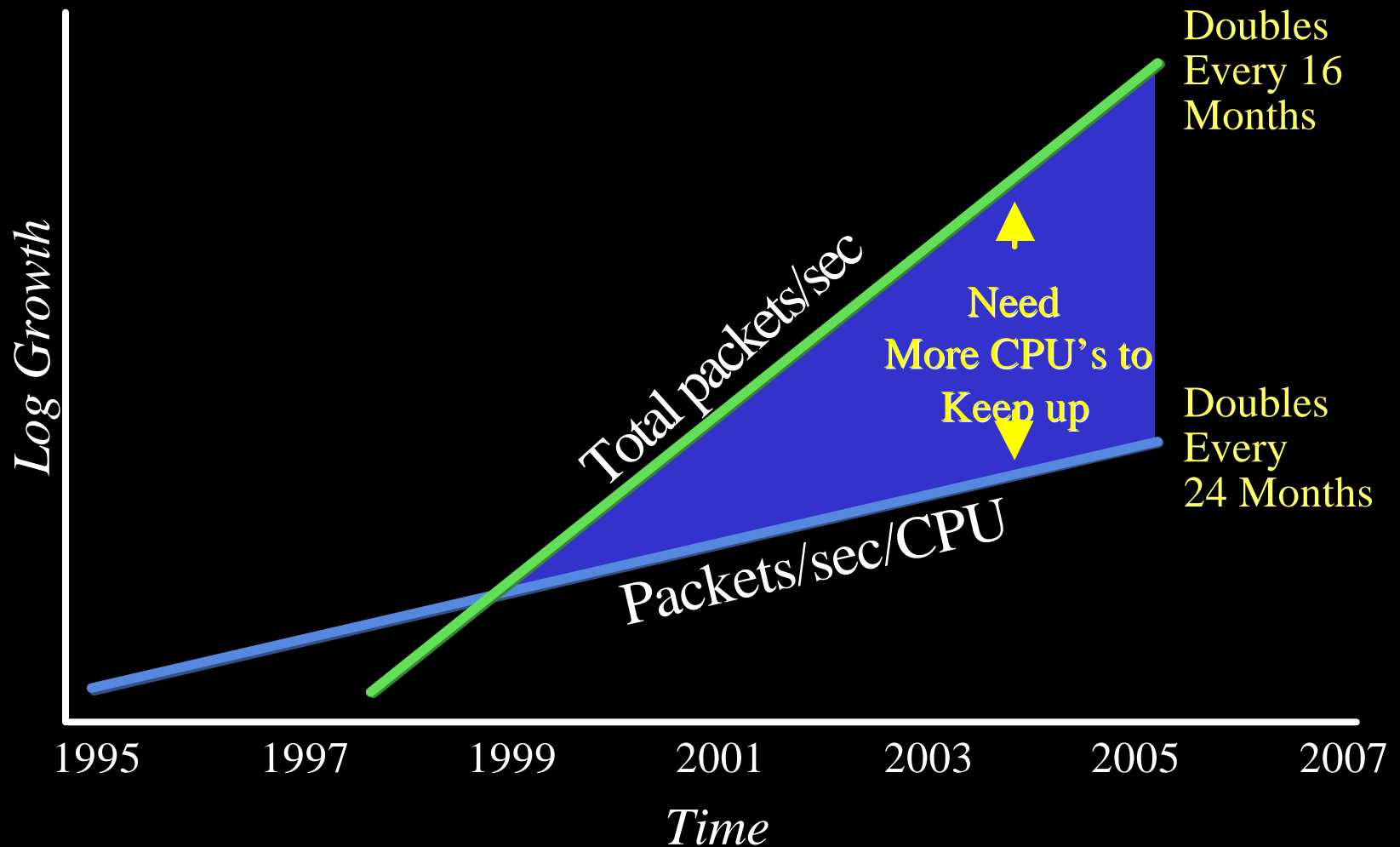


The Network is the Computer™

2 Done.

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Gilder's Versus Moore's Law



Everything is Going Digital

- " Computers (ENIAC) - 1946
- " Letters (email) - 1960s
- " Slide Rules (Calculator) - 1972
- " Watches - 1973
- " Pinball (Video Games) - 1976
- " Telephone backbone - 1980s
- " Music (CDs) - 1982
- " Photography (Digital Cameras) - 1995
- " Telephones (Cell) - 1992
- " Maps (GSM) - 1994
- " Videos (DVD) - 1995
- " Television (DSS) - 1994
- " Cinema - ?

Convergence

- Radio on your computer
- Browsing on your TV
- Commerce from your phone
- TV on your computer
- Video on your phone



The Service-Driven Network

Reinventing
the Network





The Service-Driven Network

Reinventing
the Network



The Information
Utility



The Service-Driven Network



Reinventing
the PC

Reinventing
the Network

The Information
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The Service-Driven Network

Reinventing
the PC



The Network Device

Reinventing
the Network



The Information
Utility



The Service-Driven Network

Reinventing
the Mainframe

Reinventing
the PC

Reinventing
the Network

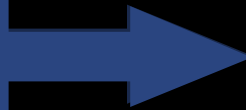
The Network Device

The Information
Utility



The Service-Driven Network

Reinventing
the Mainframe



The Computer Room
Network

Reinventing
the PC



The Network Device

Reinventing
the Network



The Information
Utility

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The Service-Driven Network

Reinventing
Applications and
Platforms



Reinventing
the Mainframe



Reinventing
the PC



Reinventing
the Network



The Computer Room
Network



The Network Device



The Information
Utility

The Service-Driven Network

Reinventing
Applications and
Platforms



The Service Grid

Reinventing
the Mainframe



The Computer Room
Network

Reinventing
the PC



The Network Device

Reinventing
the Network



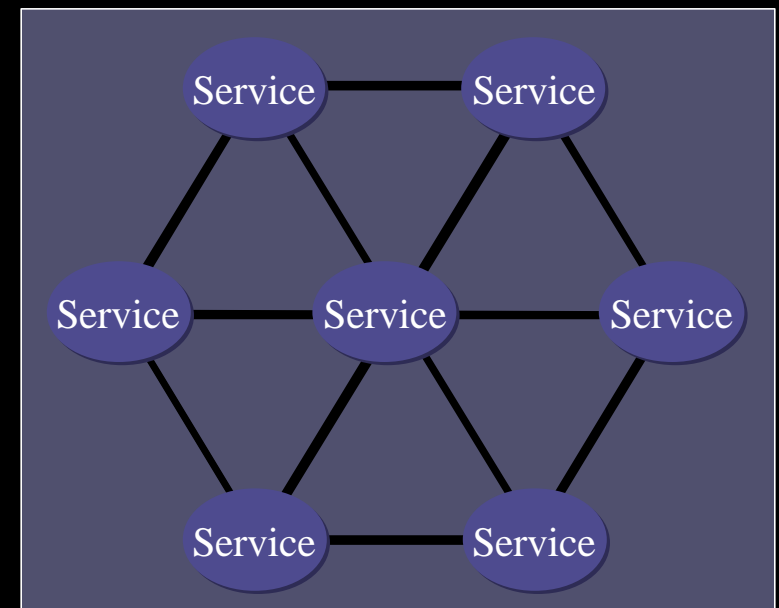
The Information
Utility

The Service-Driven Network

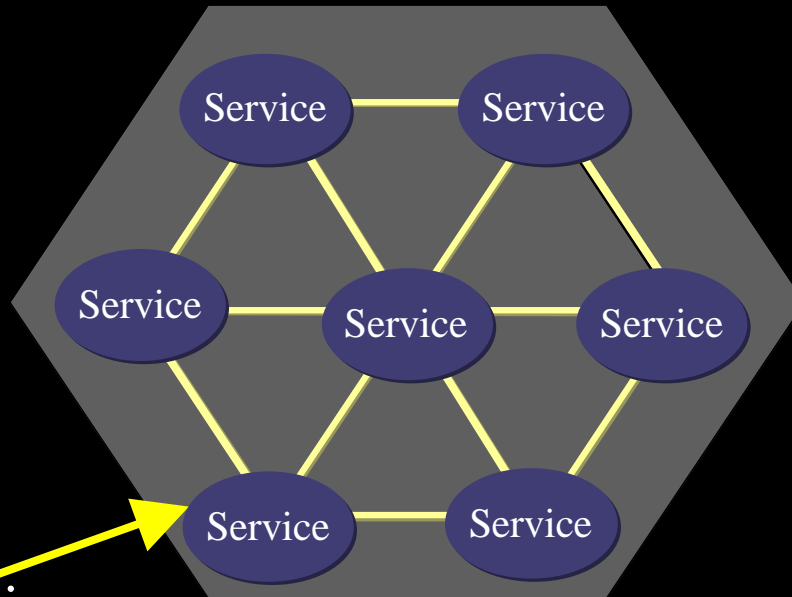


Your Service Grid

- Your web of application and system services
- Built on Internet standards
- Crosses organizational boundaries
- Spans the enterprise, partners and customers

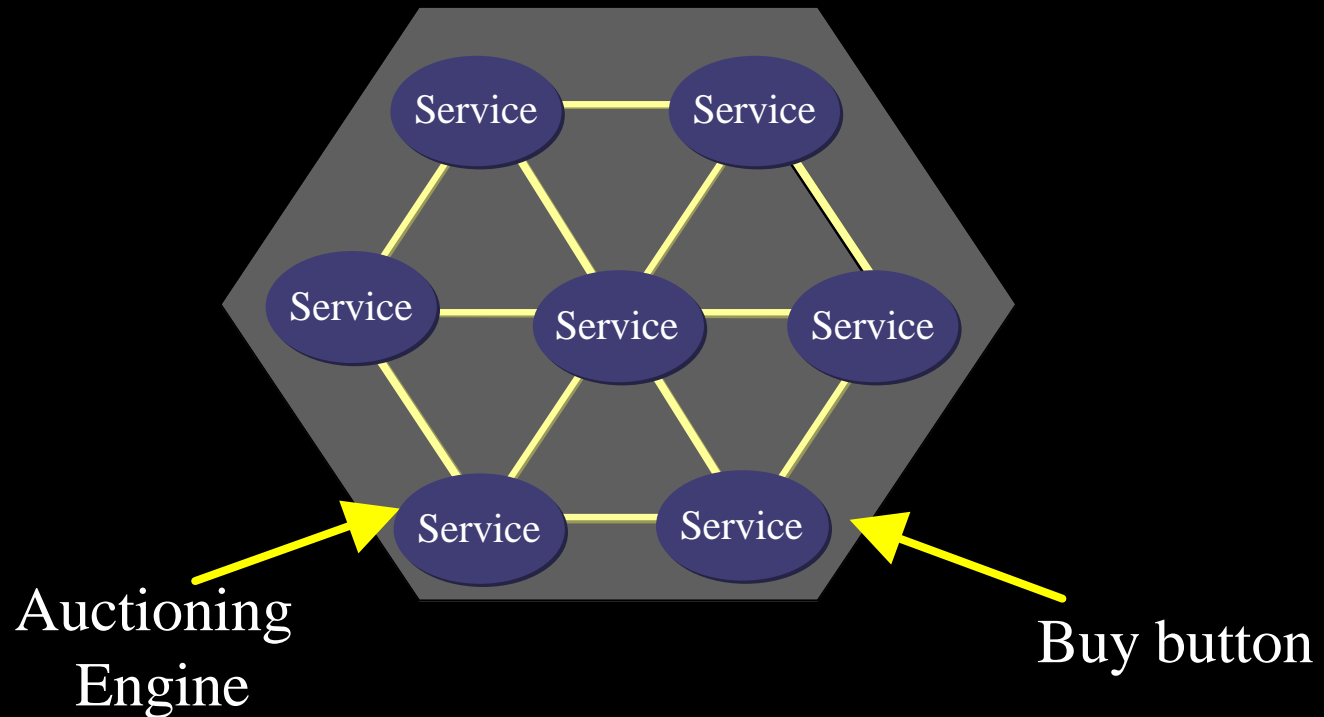


Your Service Grid

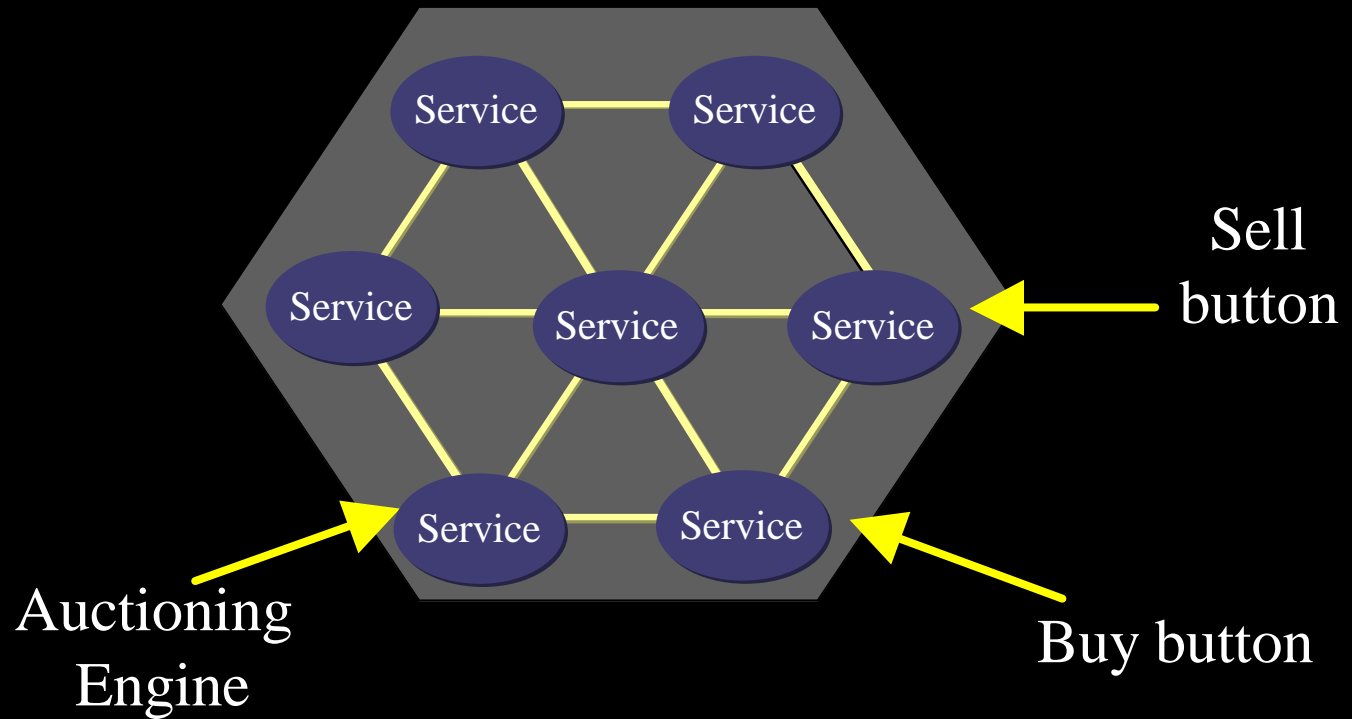


Auctioning
Engine

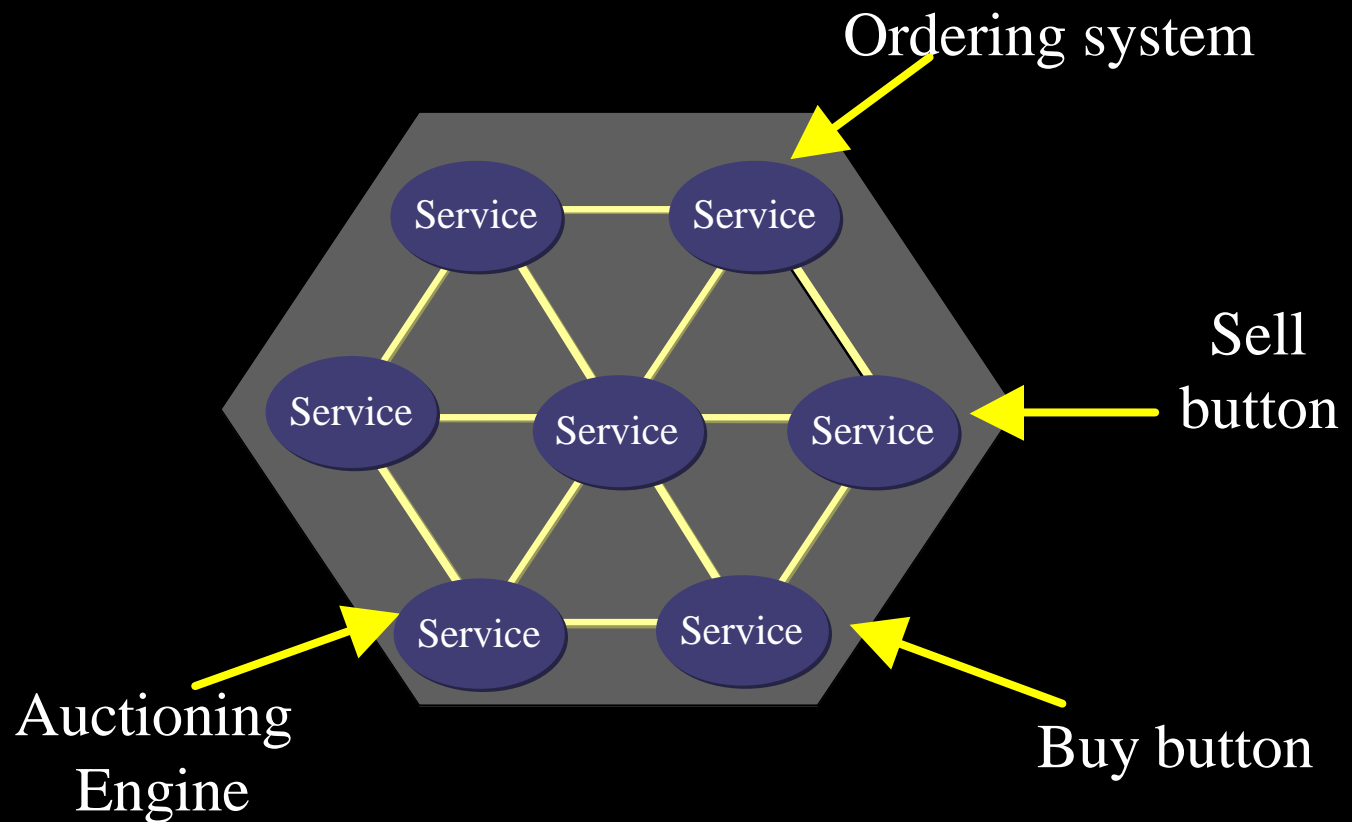
Your Service Grid



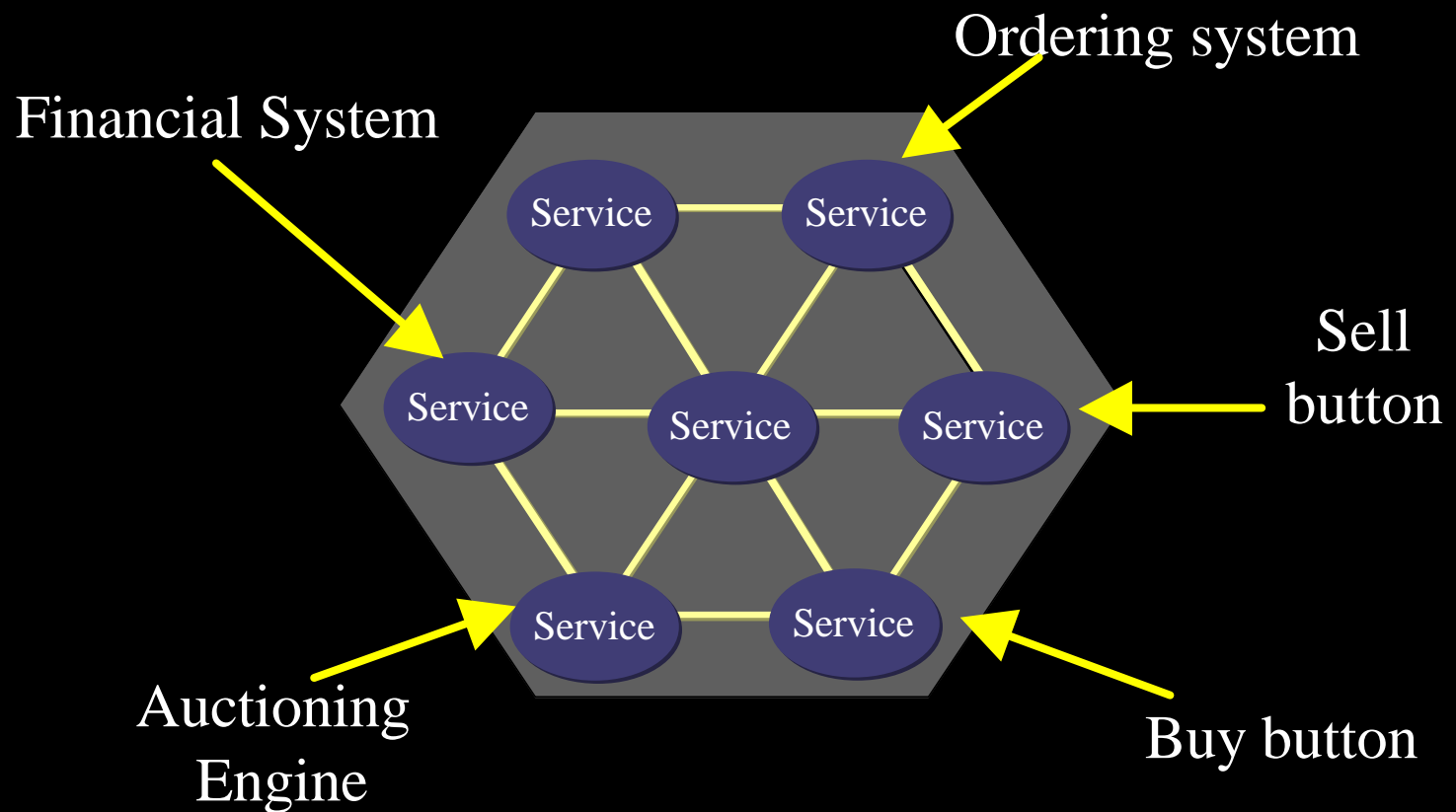
Your Service Grid



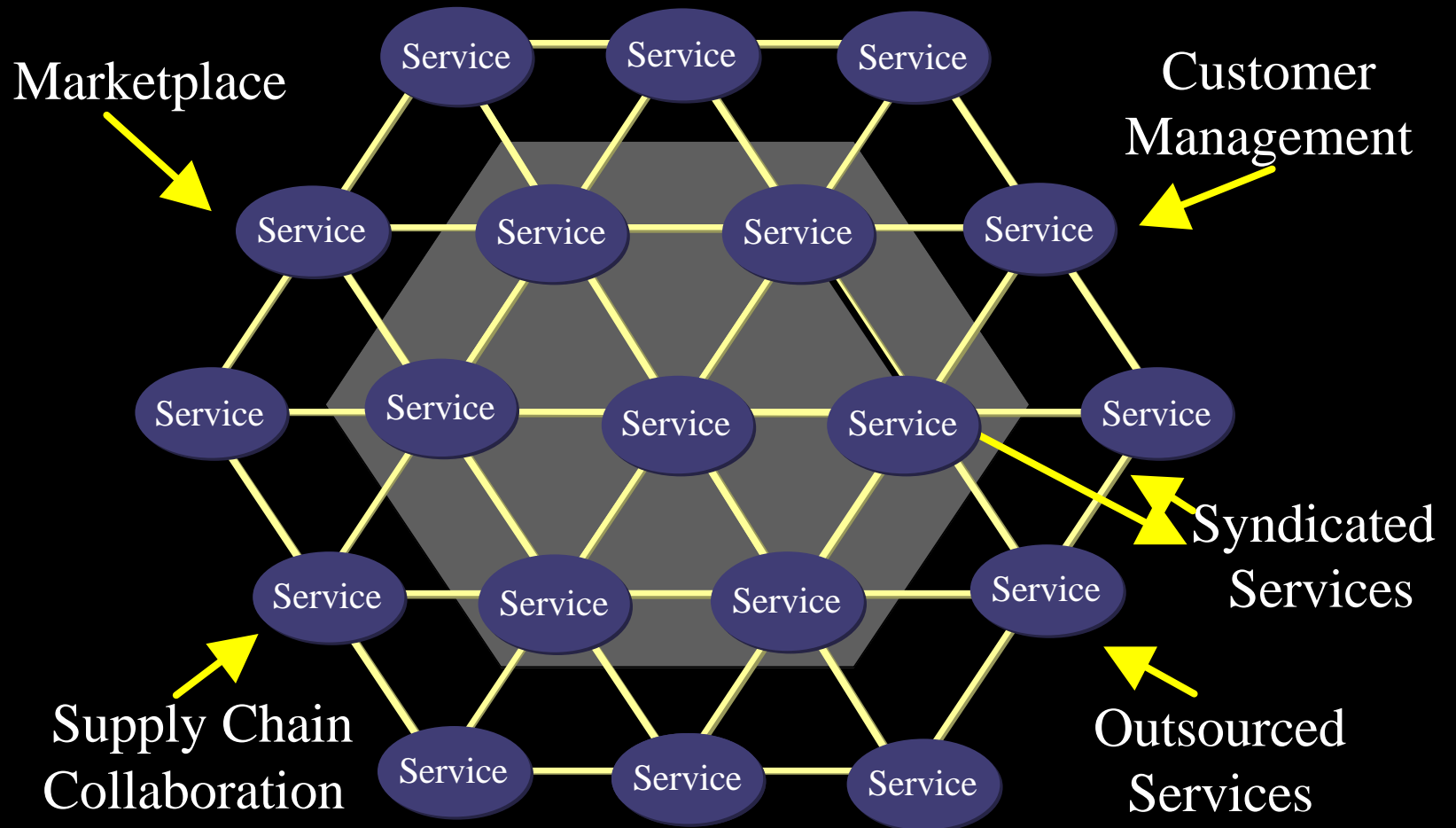
Your Service Grid



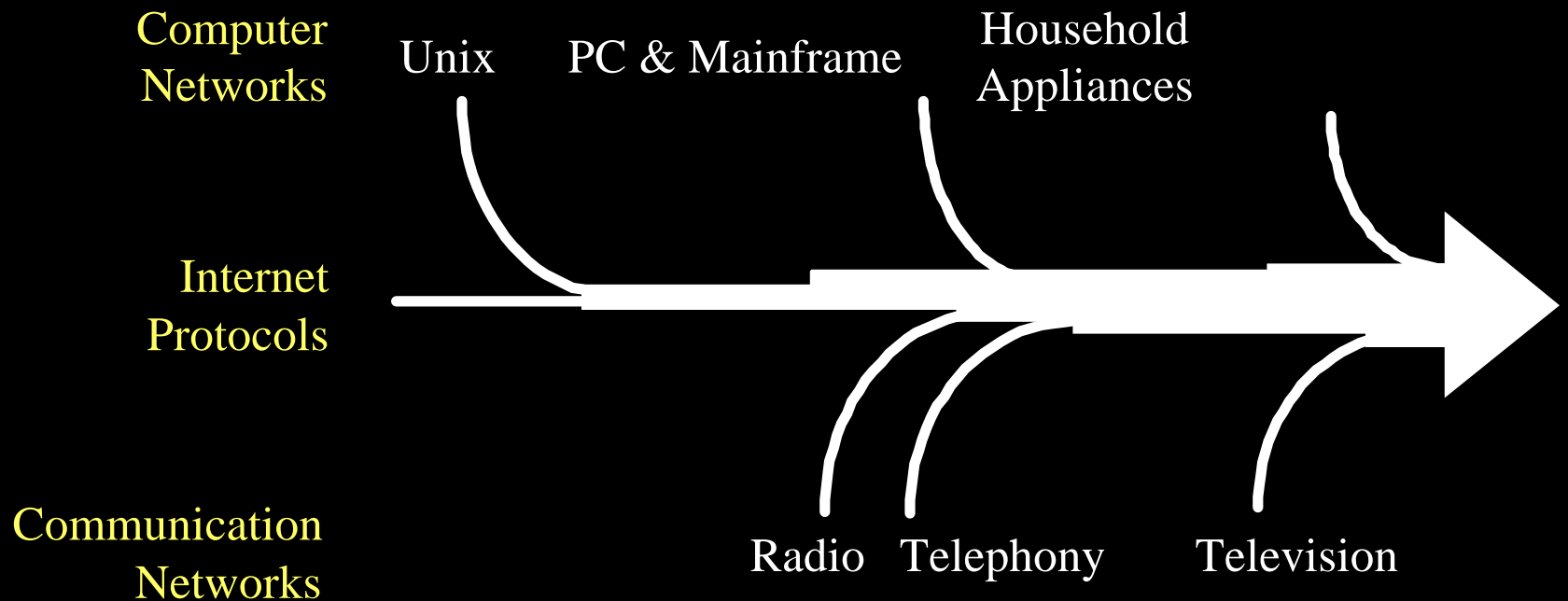
Your Service Grid



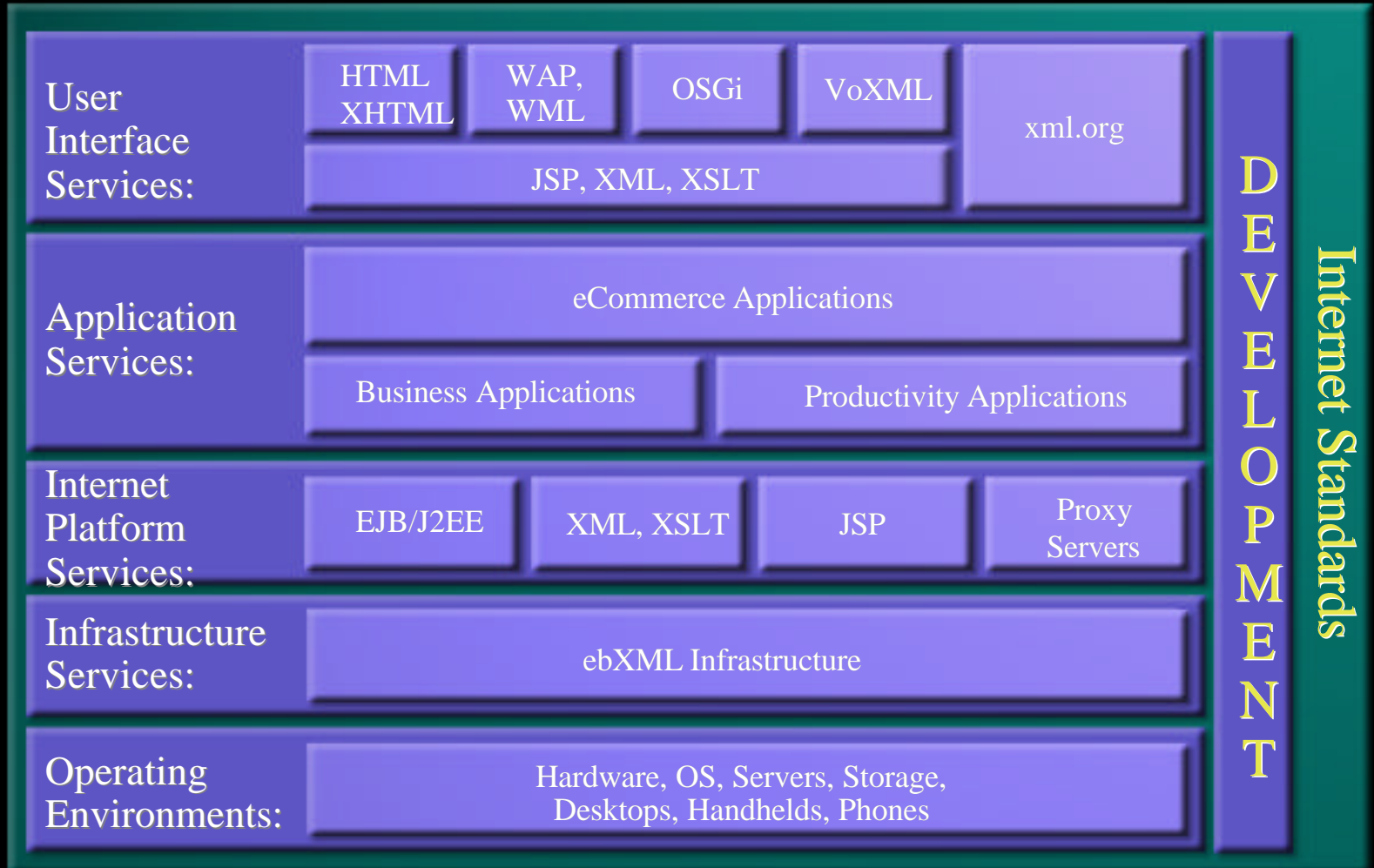
Your Extended Service Grid



Internet Standards Win



Internet Standards



ebXML = e-Commerce

- Joint initiative: OASIS and U.N.
- Vision: Single, global electronic market
- Facilitates trade
- Industry momentum

Standardized on Java™

- Digital TV
- SmartCards
- GSM phones
- Home gateways
- And more....



Sun and XML

- OASIS, W3C, UDDI
- Products:
 - Forte: Fusion
 - Solaris: WBEM
 - StarOffice: OpenOffice
 - Java™ ...

Java™ and XML

- XML Messaging (JAXM)
- XML Parsing (JAXP)
- XML Data Binding ("Adelard")



Update:

The Java™ 2 Platform



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Java 2 Platform, Standard Edition

- J2SE v 1.3: Solaris, Windows and Linux
- BSDi and FreeBSD to come
- J2SE v 1.4
 - Synchronized releases
 - Approved by JCP

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J2SE Improvements

- Applications: Java Web Start
- Applets: Java Plug-in
- Improved performance
 - New VM and tuned JFC
 - Java 2D improvements in next version

J2SE Support for Linux

- Binary distribution through:
 - SuSE
 - TurboLinux
 - MandrakeSoft
- Caldera source licensee
- Blackdown partnership



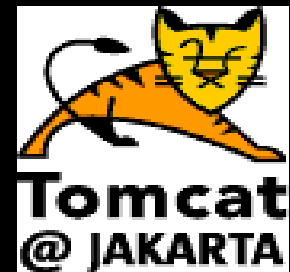
Java 2 Platform, Enterprise Edition

- All major app servers
- 4 compatible products
- RI version 1.2.1 shipping
- J2EE BluePrints bestseller!
- Next: J2EE v 1.3

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J2EE @ Apache

- Tomcat:
 - Production quality JSP and servlet engine
- Tag Libraries
- *<http://jakarta.apache.org>*





J2EE Support For Linux

- Shipping via RedHat Linux
- Source code at:
 - <http://java.sun.com/j2ee/download.html>

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Java™ in the Wireless World

- Java Card™ API
 - Standard for smart cards
 - GSM standard
- The JavaPhone™ API
 - MExE 98 Release spec for communicator class phones
- Mobile Information Device (MID) Profile
 - Now shipping
 - Major carriers, hand set manufacturers, content providers

JCP 2.0 Progress

- Over 300 members
- MID Profile shipped
- First EC elections November
 - See java.sun.com/jcp to register



Sun and Open Source

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Technology Transfers

- JSP/servlets to Apache
- XML parser
- Pieces of Solaris
 - TI-RPC & NFSv4
 - Internationalization Framework
- NetBeans: MPL
- OpenOffice: GPL

Participation

- Mozilla
- ApachePerl
- GNU tools
- Linux
- GNOME Foundation
- Many, many others....

Parting Notes....

- Get involved
- Combat the FUD
- Build on standards!

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