



 simulab

## Roadmap for Enterprise Open Source Adoption



# Agenda

- Introduction
- What is Open Source?
- The Open Source Landscape
- Managed Open Source Adoption
- Summary
- Q & A



# What is Open Source?

- “Open Source” originally coined in a strategy session to position and explain Netscape’s 1998 announcement to give away the source code for its browser
- Open source has evolved to describe the principles and methodologies that promote open access to the production and design process for various goods, products and resources
- Today, Open Source Software (OSS) has become the most recognized form of open source



# What is Open Source?

- OSS was advocated to replace “Free Software”
  - Less ambiguous terminology
  - Higher comfort level for corporate consumers
- OSS follows the “Bazaar” vs. “Cathedral” Development Model:
  - Users as Co-Developers, Community-based
  - Early Releases
  - Frequent Integration
  - Multiple Versions
  - High Modularization (SOC)
  - Dynamic Decision-Making Structures

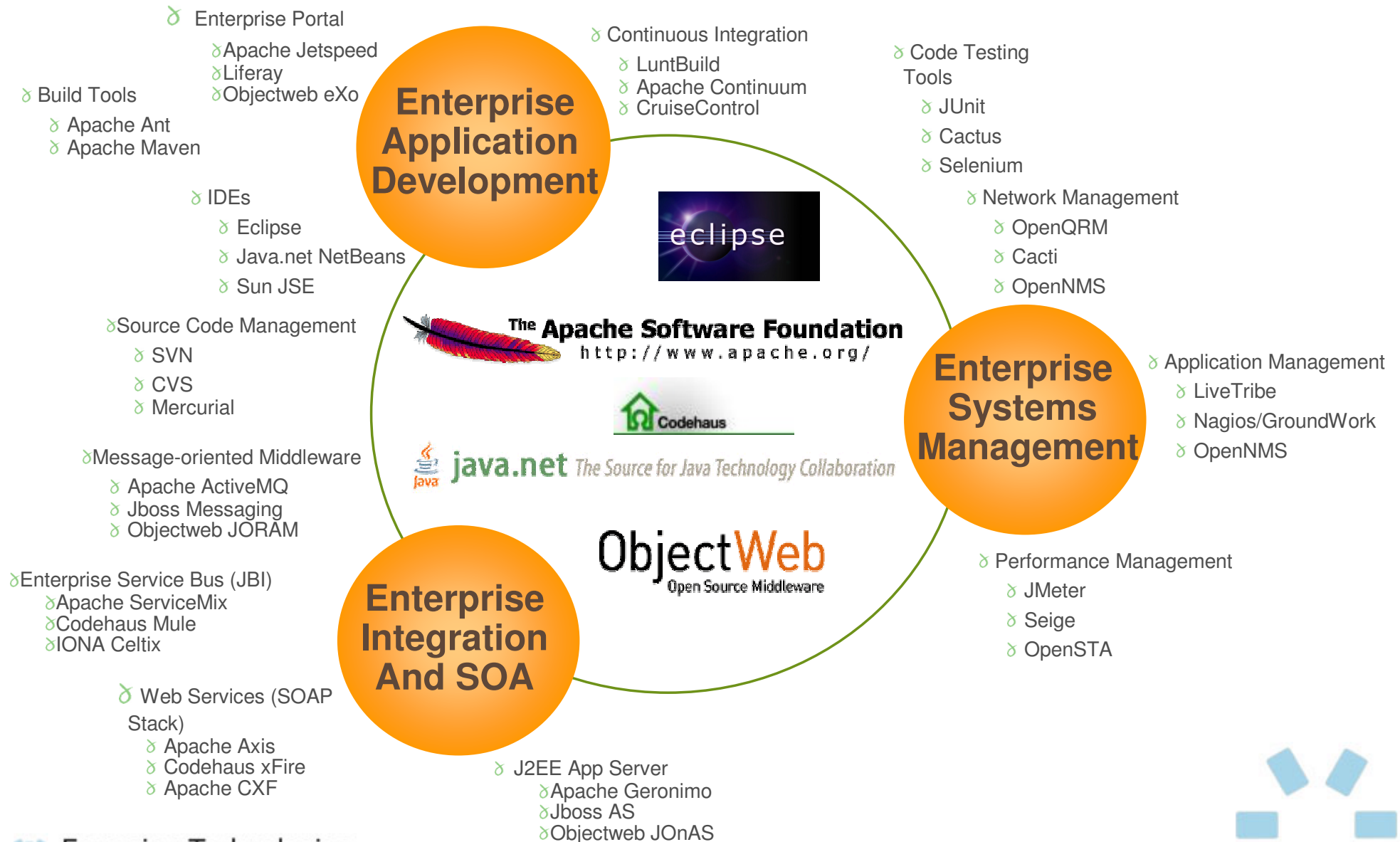


“ By 2008, OSS solutions will directly compete with closed-source products in all software infrastructure markets ”

- Gartner



# What is Open Source: Project Eco-systems



- **Suits Enterprise Development**
  - Enables higher code/component re-use
  - Promotes information-sharing and interaction
  - Supports high interdependencies
  - Offers a good fit for agile strategies
  - Handles distributed teams easily
- **Next Generation Tooling**
  - IBM Jazz promotes community development
  - Eclipse Kepler provides open source tooling



“ We’re going to utilize the way the community develops software for E\*Trade proprietary development... and make E\*Trade more nimble ”

- Greg Framke  
CIO E\*TRADE FINANCIAL



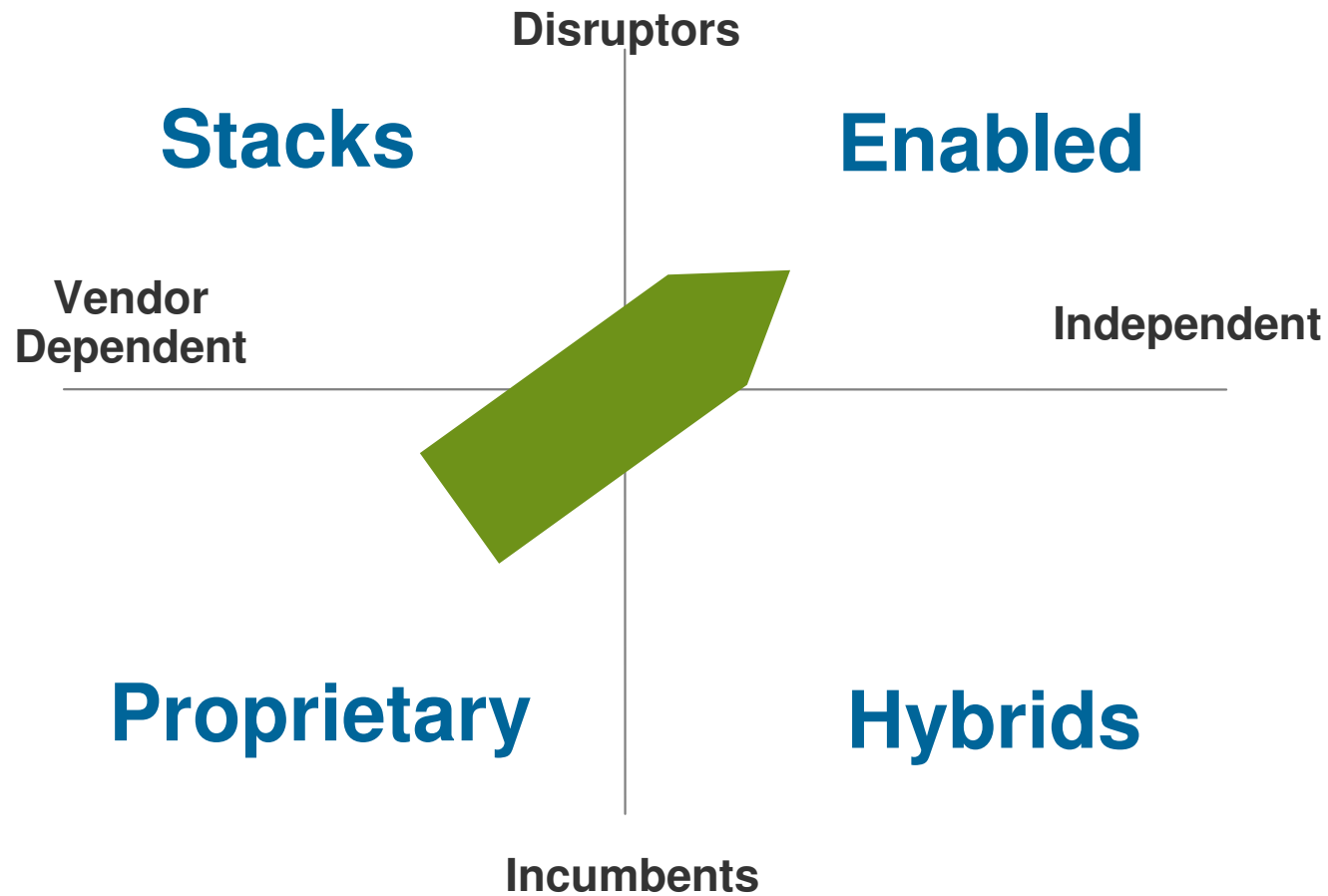


# The Open Source Landscape

- OSS penetration continues to grow
- Stack vendors are packaging OSS for consumption
- Traditional vendors are providing hybrids
- Large enterprises are already piecing together management solutions
- OSS-style development is being readied for the enterprise
- Management solutions will enable open source consumption throughout the application development life cycle



# The Open Source Landscape



# Managed Open Source Adoption - Benefits

- **Extensibility**
  - Access to source provides extensibility
  - Many projects driven to design for extensibility
  - OSS frameworks and platforms offer technology leadership
- **Licensing**
  - Less restrictive deployment licensing
  - Ability to embed OSS technologies into products
  - Enables massive deployments (Grid/Farm)
- **Open Standards**
  - Projects are built on established standards (JCP, RCF)
  - Multiple implementations against established standards offers choice to users
  - Reference implementations of standards often driven by OSS
- **Community Support**
  - Broad user base around OSS projects
  - Expert consulting/development experience available for major projects
  - Community forums/mailings lists helps users get started



# Managed Open Source Adoption - Challenges

- **Governance**
  - Licensing models and implications
  - Delivery Mechanisms for projects
  - Intellectual Property Management
  - Indemnification
- **Community**
  - Diversity within the community
  - Infrastructure available to support development
  - History for community stability
  - Flexibility for accepting input and new ideas
- **Support**
  - Availability of structured support
  - Enterprise-readiness Service Level Agreements
  - Open Source Support and Consulting Vendors
- **Integration**
  - Change velocity with projects
  - Lack of clearly-defined roadmaps
  - Understood Project Dependencies
  - Highly Componentized



# Managed Open Source Adoption - Guidelines for Success

- Look Beyond OSS Code
  - Understand licensing implications
  - Monitor community statistics and health
  - Evaluate community infrastructure
- Evaluate Vendor Offerings
  - Review available distributions
  - Understand open source support subscriptions/SLAs
  - Determine if open source additions can help
- Manage Open Source Consumption
  - Build an open source repository
  - Integrate legal activities with development process
  - Enforce Control over your component usage
- Understand and Leverage the OSS Process Model
  - Distributed development
  - Modular, re-usable components
  - Incremental development based on rapid iterations



“ By 2010, 90 percent of Global 2000 organizations will have formal open source acquisition and management strategies”

- Gartner



# Managed Open Source Adoption - Models for Success

- **Artifact-driven Development**

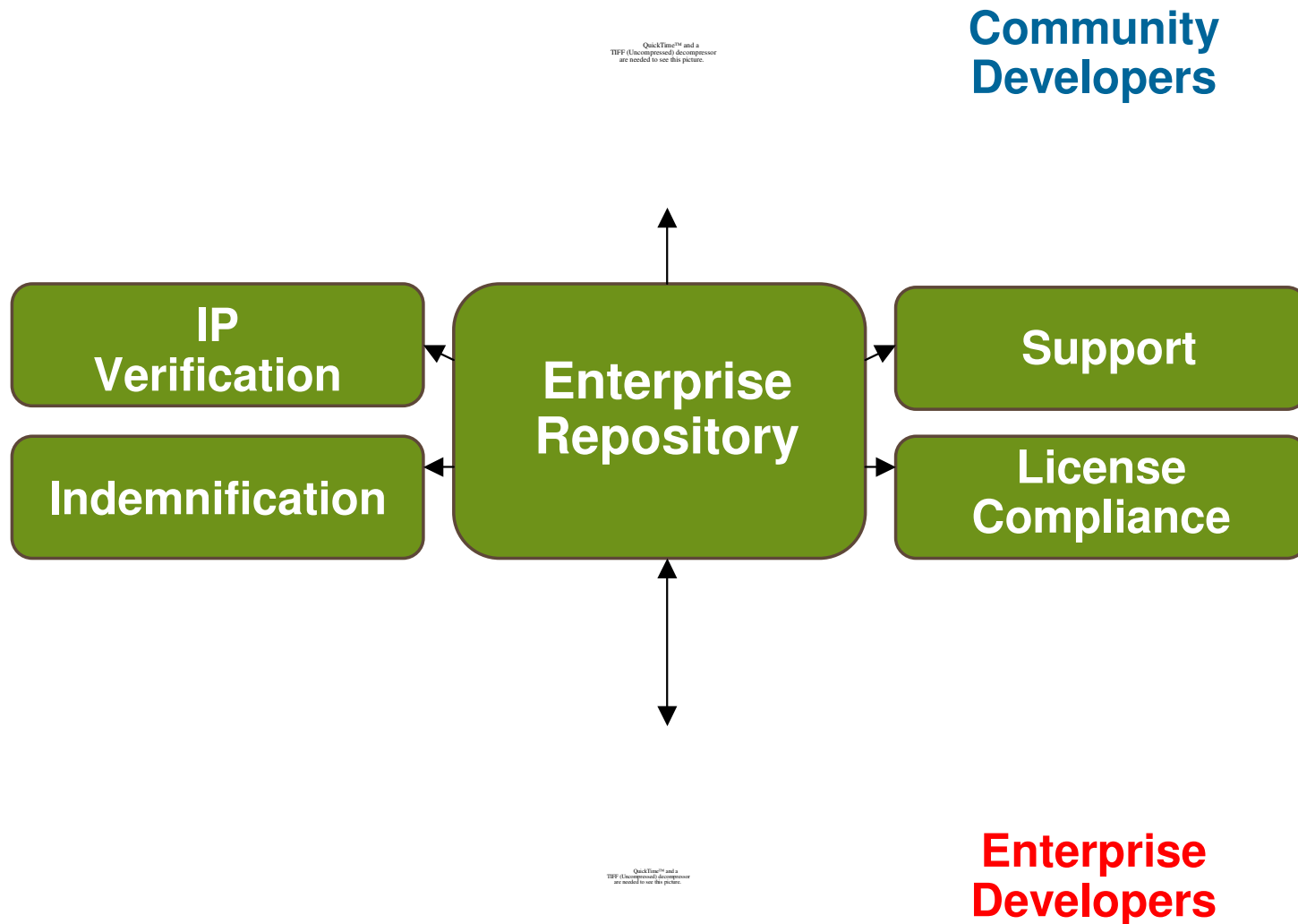
- Consuming component artifacts
- Handles both open source and internal artifacts
- Allows for version tracking
- Extensible meta-data for licensing, community information, etc.
- Allows for distributed development

- **Enterprise Repository Architecture**

- A centralized store of artifacts
- Managed by both developers and legal teams
- Determines project dependencies
- Exposes project meta-data for sharing
- Tracks open source usage
- Provides control



# Managed Open Source Adoption - Models for Success





- Open Source: Projects and Process
- OSS Landscape is Evolving
- Benefits and Challenges in Adopting OSS
- Understand the Requirements for Managed Open Source Adoption

