

Intermountain Enterprise Development Stack – 2008

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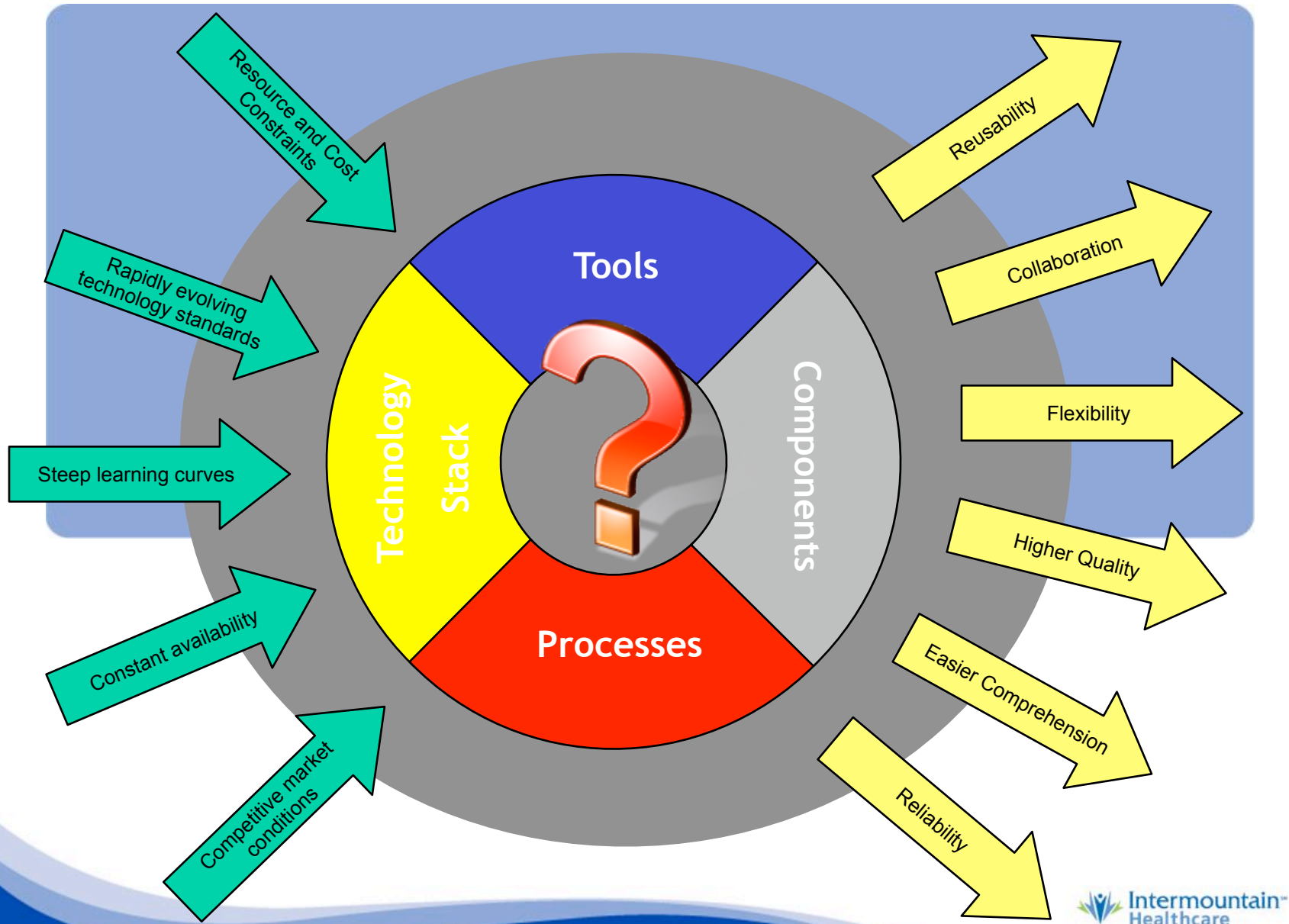
Agenda

- Introduction: Who are we?
- Need for Development Framework
- System Stack
- Java Technology Stack
- Team Application Architecture
- .NET Technology Stack
- Q&A

Who are we?

- Non-Profit organization
- Healthcare Industry
- More than 10 development teams
- Different technologies and tools
- Have both Java and .NET development workshops
- Formed SWAC to define standards and technology stack

Enterprise Development Framework



Continuation...

- Tools: Eclipse IDE, Intelli J IDE, Maven, Bamboo, Subversion, etc...
- Process: Enterprise follows more of a traditional process but some development teams have adopted Agile principles.
- Components: reusable services & domain objects
- Technology Stack:

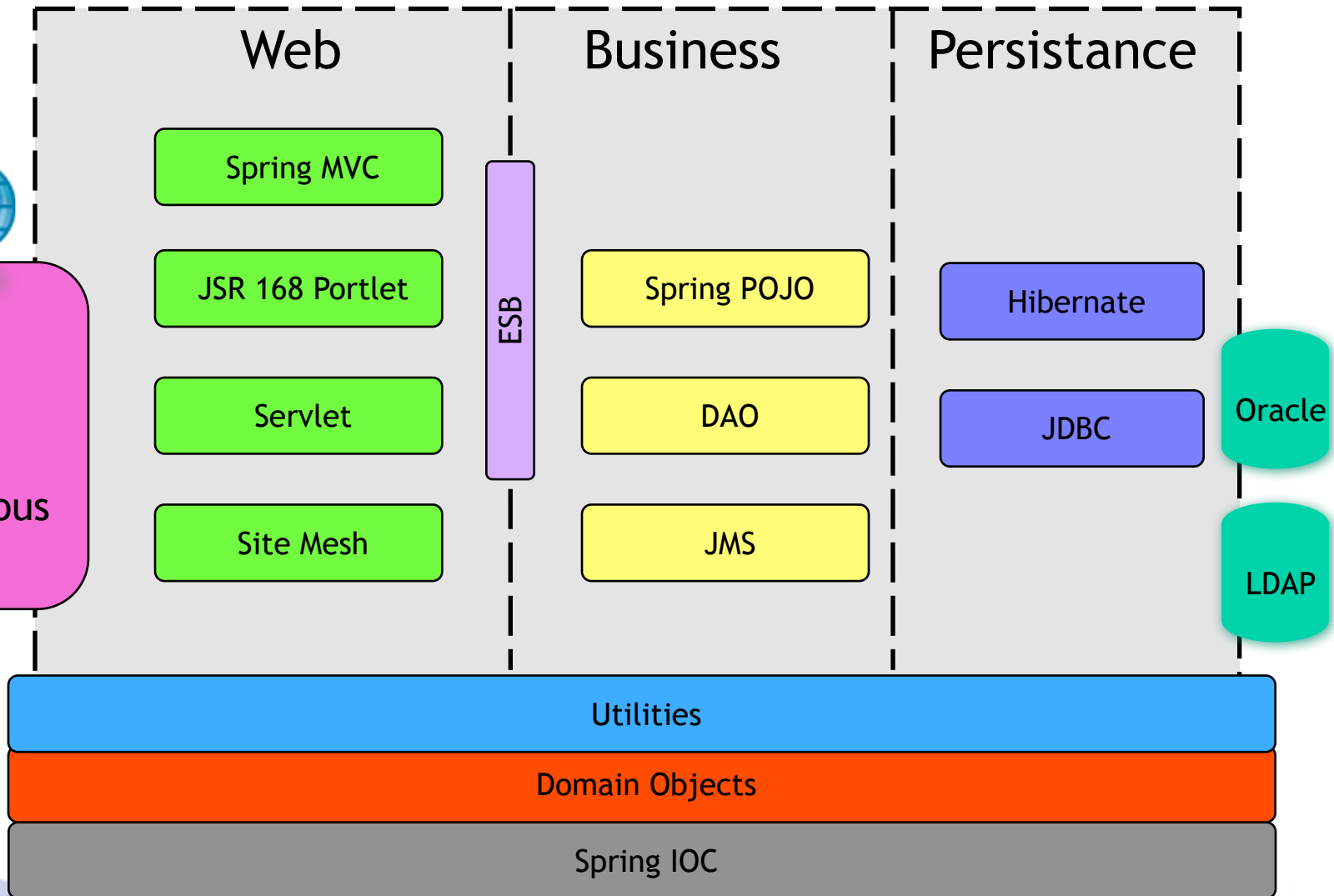
System Stack

	Systems	Other Systems	Future Directions
Deployment Environment	Weblogic 10, Apache , SharePoint 2007	Weblogic 8.1 SP4, Vignette, Web Sphere	
SSO	IBM Tivoli, Custom solutions		IBM Tivoli
ESB	Aqua Logic (ALSB, ALER)		
Build	Maven, Bamboo	Continuum	
Source Control	Subversion		
Bug Tracking System	Jira		
Team Collaboration	SharePoint 2007		
Requirement Management System	SharePoint 2007		
Code Coverage	Clover		
Code Review	Crucible		

Java Technology Stack

	Technology	Other Technolgies	Future Directions
JVM & JEE	Sun JDK 1.4.2 & 1.5, JEE 5	JEE 1.3 & 1.4	Java 5 & JEE 5
Java Script Engines/Libraries	Prototype	DWR, DOJO	Flex, GWT
View	JSP, JSTL, XSLT, Velocity		
Web-App MVC	Spring Web MVC	Spring Portlet MVC	JSF
Business Logic	Spring, JMS	EJB 2.1 (deprecated)	EJB 3.0
Persistence	JPA with Hibernate	JDBC, Hibernate	
Testing	JUnit & Spring Mock		
Source Control	Subversion		
Build	Maven, Bamboo	ANT, Continuum	
Code Coverage & Review	Clover & Crucible		

Team Java Application Architecture



.NET Technology Stack (To be worked)

Layer	Technology	Other Technolgies	Future Directions
Deployment Environment	IIS, SharePoint 2007 (MOSS)		
.NET Framework	.NET 3.0		.NET 3.5
Java Script Engines/Libraries	????		
View	ASP, XSLT, ASP.NET web parts		
Web-App MVC	???		
Business Logic	????		.nSpring
Persistence	ADO.NET		.nHibernate, LINQ ???
Testing Framework	MS Tests, NUnit		
Source Control	Subversion		
Build	WSP Builder, Custom Script		
Code Review	???		

Q&A

- **Any Questions**

- Challenges your company faced and how they were resolved with your technology stack
- Overview of your technology stack
- Once you decided on the stack, what worked and what didn't?
- What would you change if you could?