IBM System z Software

P4 – Implementing a BRMS Solution

ABRD & ISIS

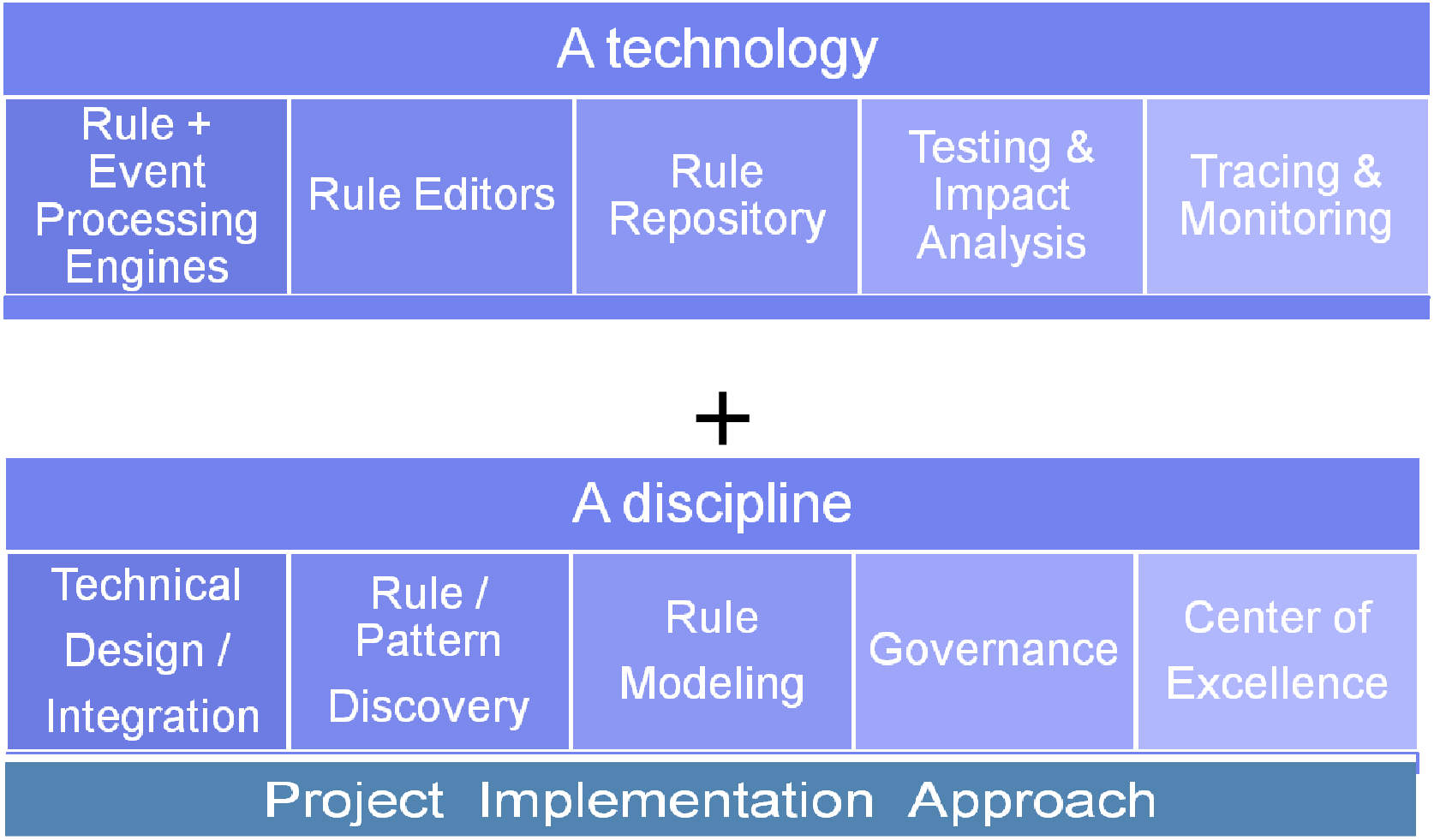
Revitalizing Your WebSphere:
Business Rules with ILOG and Rational Software on System z

© 2010 IBM Corporation

Agenda

- Developing and using a Methodology
- High Level Project Plan Guidelines
- Importance of Setting Milestones

© 2010 IBM Corporation



© 2010 IBM Corporation

ILOG Business Rule Methodology

- *ABRD:* Agile Business Rule Development
- *Access*: public
- *Scope*: generic Business Rule methodology and best practices

- *ISIS: IBM* Solution Implementation Standard
- *Access*: private (IBM Lab Services)
- *Scope*: ABRD + IBM Product-specific best practices, including project management

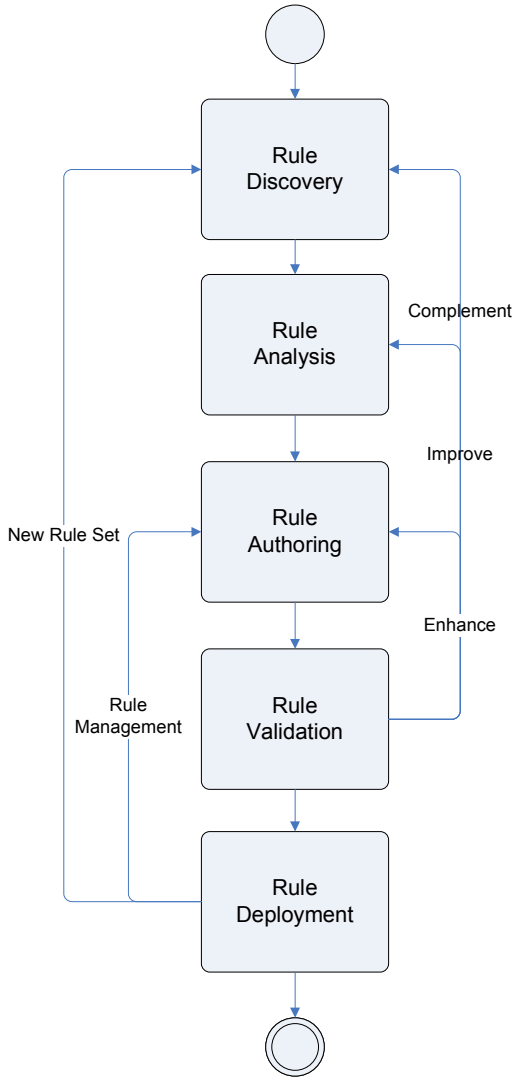
© 2010 IBM Corporation

What is ABRD?

- Agile Business Rules Development (ABRD) is a pragmatic approach to the development of a Business Rule Applications:
  - Iterative
  - Vendor-neutral
  - Based on Agile Software Development principals
    - http://www.agilemanifesto.org/
- ABRD is available as a plug-in to the Eclipse Process Framework (EPF)
  - Extension of the Open Unified Process (OpenUP)
  - Meets the OpenUP core principals of software app. development:
    - Collaborate to align interests and share understanding
    - Balance competing priorities to maximize stakeholder value
    - Focus on the architecture early to minimize risks and organize development
    - Evolve to continuously obtain feedback and improve

© 2010 IBM Corporation

Agile Business Rule Development



Discovery

- Select one rule set and its discovery roadmap
- Harvest rule using short workshop sessions

Analysis & Design

- Prepare the rule for implementation

Authoring

- Develop the JRules BOM, project structure
- Develop rule flow, rules, decision tables…

Validation

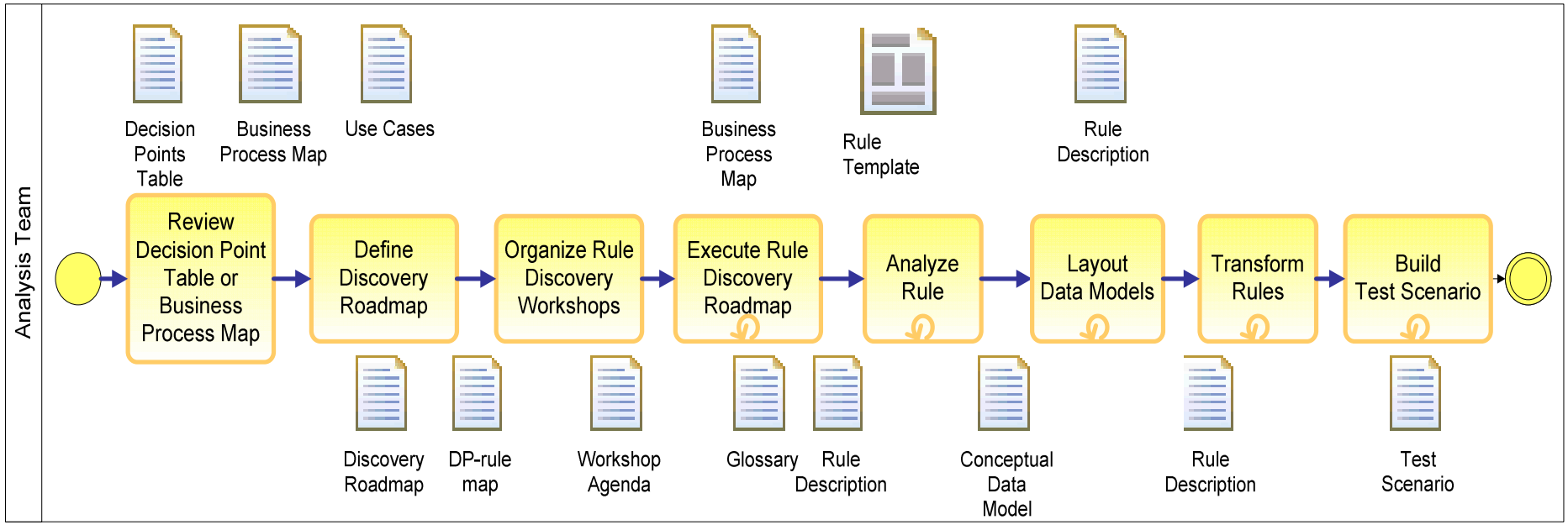
- Test in a Sandbox deployment environment
- Involve SME for feedback

Deployment

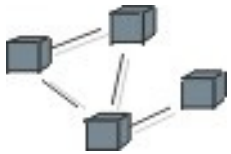
- Use rule execution server staging platform

© 2010 IBM Corporation

Rule discovery tasks



- Business analyst
- Rule analyst
- SME



- Rule description document
- Fact model or entities diagram

© 2010 IBM Corporation

BR and agility

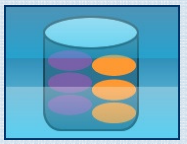
- Business rule modeling is an evolutionary process:
  - Frequent requirement and model changes
  - Collaboration (social): SME, business analysts, rule architect, rule developer
  - Minimum modeling artifacts: rule description, Conceptual Model, Business Object Model
  - Unforgiving honesty of working rules
- It is a perfect fit for the agile values:
  - Responding to change over following a plan
  - Individuals and interactions over processes and tools
  - Working software over comprehensive documentation
  - Customer collaboration over contract negotiation

© 2010 IBM Corporation

ILOG BRMS: Concept Of Operations

Rule Studio (Eclipse)

RES (JEE/J2SE)



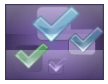
Rule Repository

RTS (Web console)

RSO (RuleDocs)

1. Configure Rule Project
2. Create BOM/XOM
3. Design Business Rules
4. Publish Rules
5. Update Rules
6. Publish Ruledocs
7. Update Rules
8. Update RuleDocs
9. Tests / Simulation

SSP

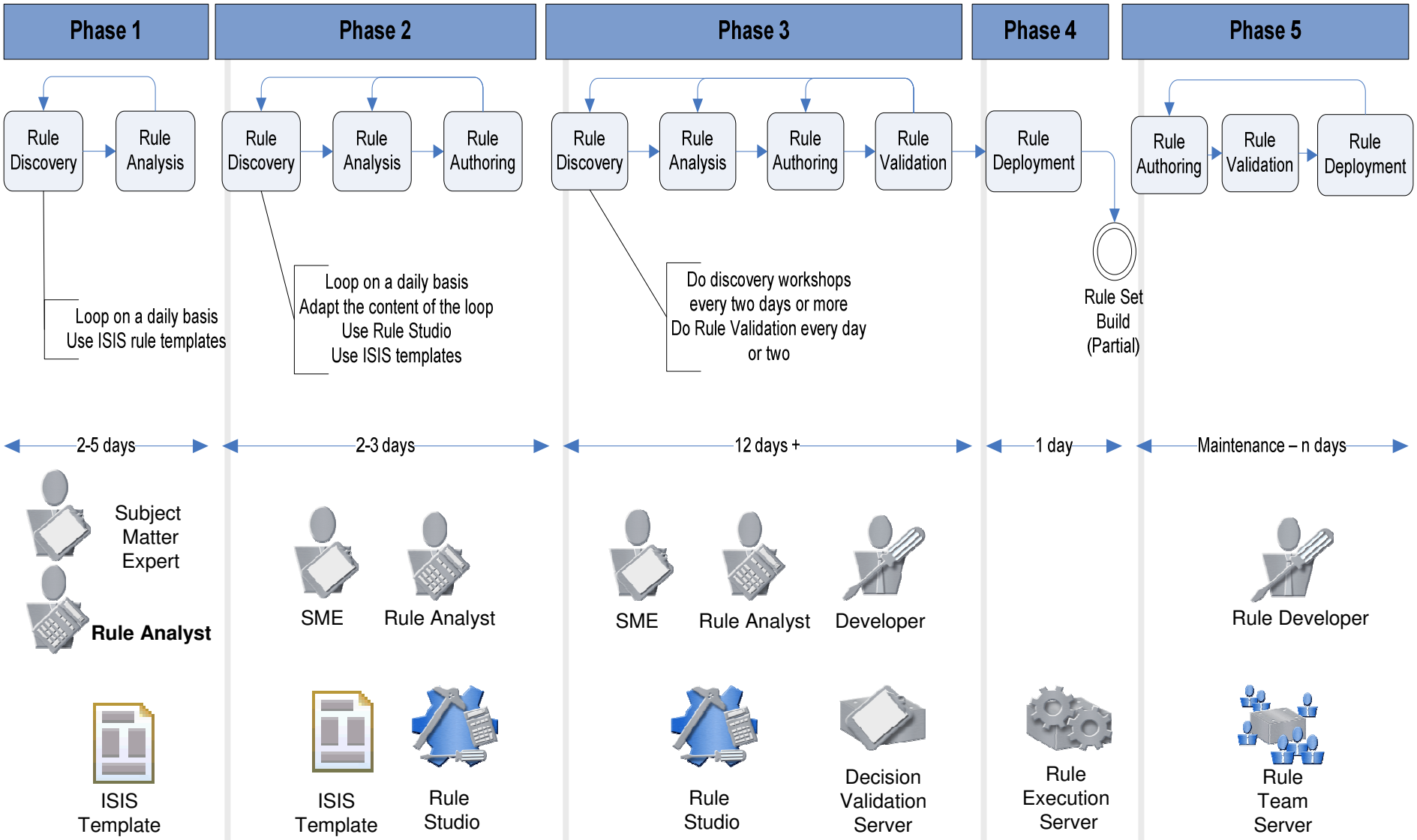


DVS

10. *Update Status*
11. *Deploy Rule App*
12. Monitor Execution

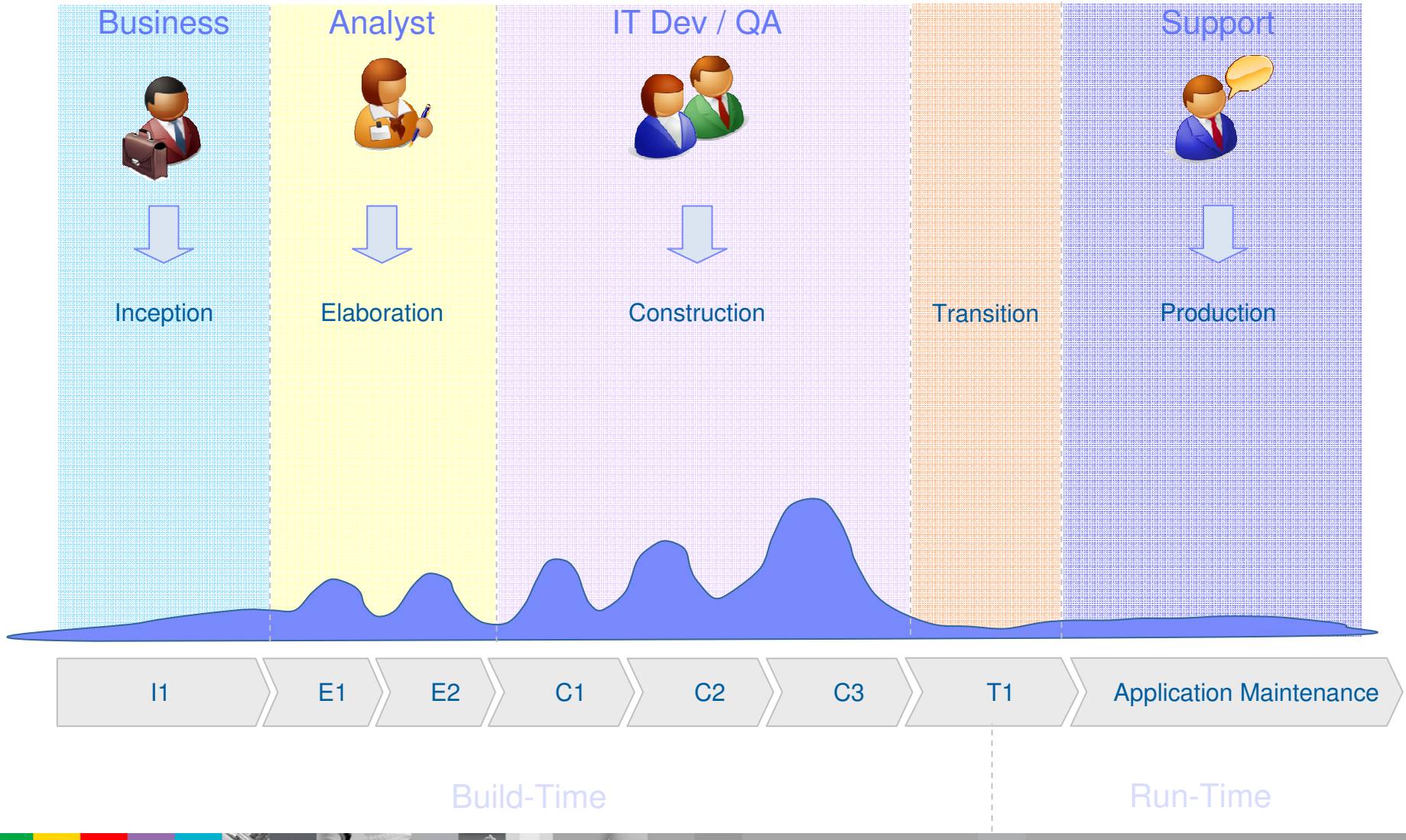
© 2010 IBM Corporation

High Level Project Plan



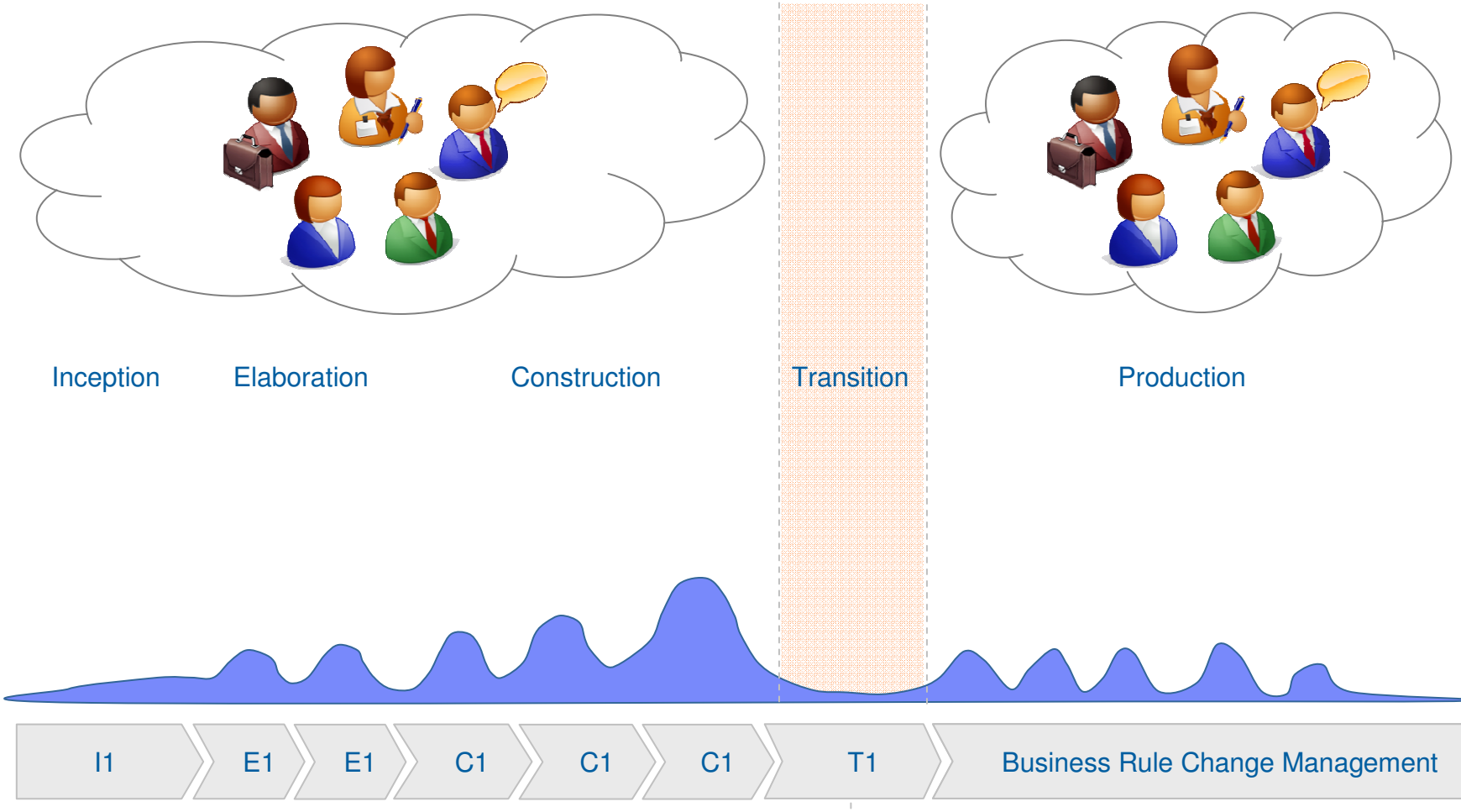
© 2010 IBM Corporation

Traditional Software Lifecycle



© 2010 IBM Corporation

BRMS Software Lifecycle – Collaborative Working



© 2010 IBM Corporation

Questions

djdesjardins@us.ibm.com

© 2010 IBM Corporation