

Model Sharing in Distributed Model-Driven Development

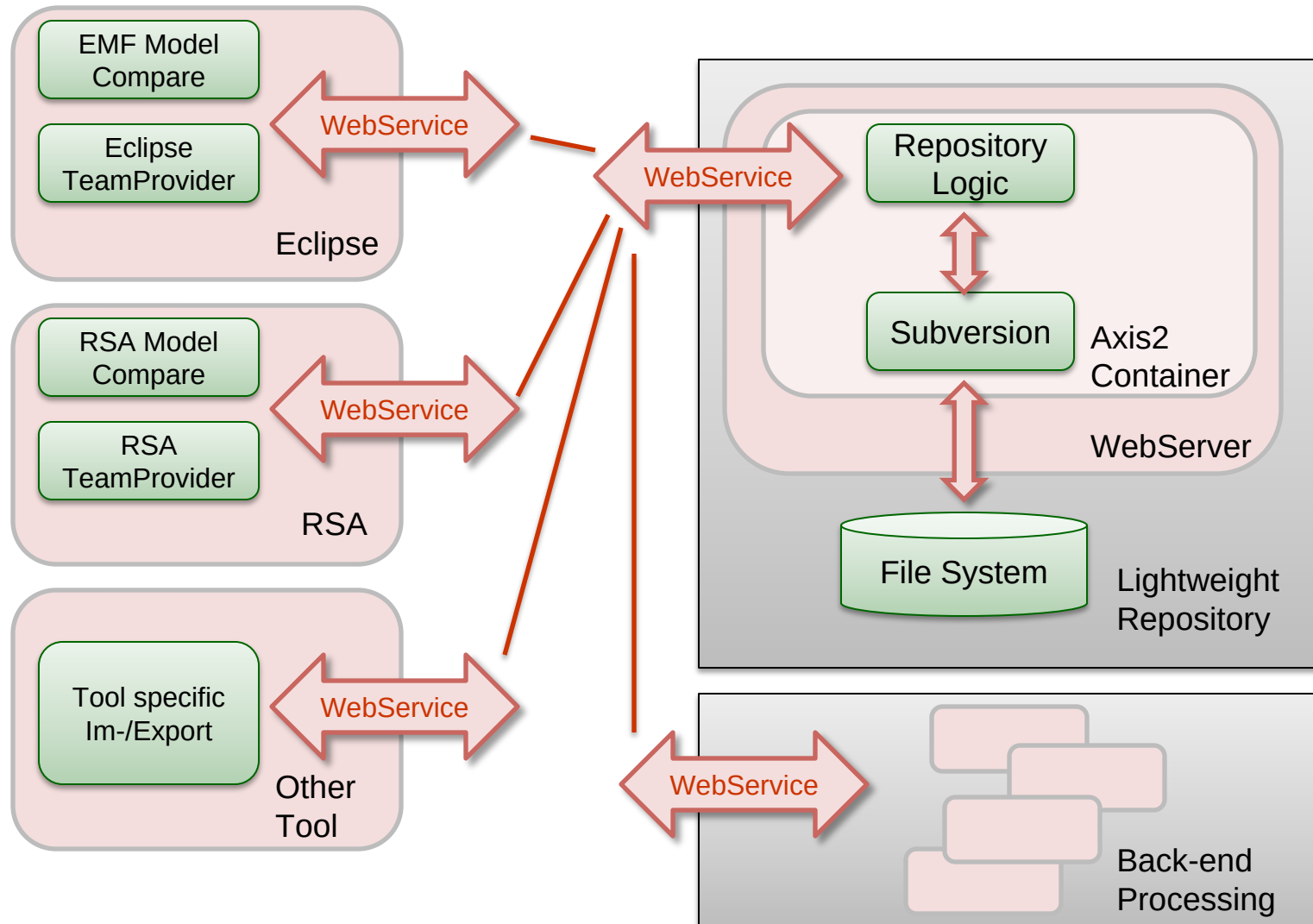
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Eclipse Demo Camp

09. Juni 2009

- For transparent addressing of models a global model storage is needed
- ModelBus Model Repository is a lightweight solution serving mainly the purpose of model storage and version control
- There is no universal solution combining all needs
 - Distribution: EMF core has no explicit support for distribution
 - Model-awareness: Subversion is not aware of models
 - Standard protocol support (needed for orchestration)
 - Notifications
 - Multi-User Access Control
 - Versioning



- ModelBus Repository supports model-driven Access Control, based on user and groups
 - Access to Namespaces can be restricted based on regular expressions
 - By default a user as no access, it needs to be modeled explicitly
 - Admin role to allow access on everything

```
<ownedUser name="Admin" password="ModelBus">
```

```
  <ownedRule rule=".*" mask="-1"/>
```

```
</ownedUser>
```

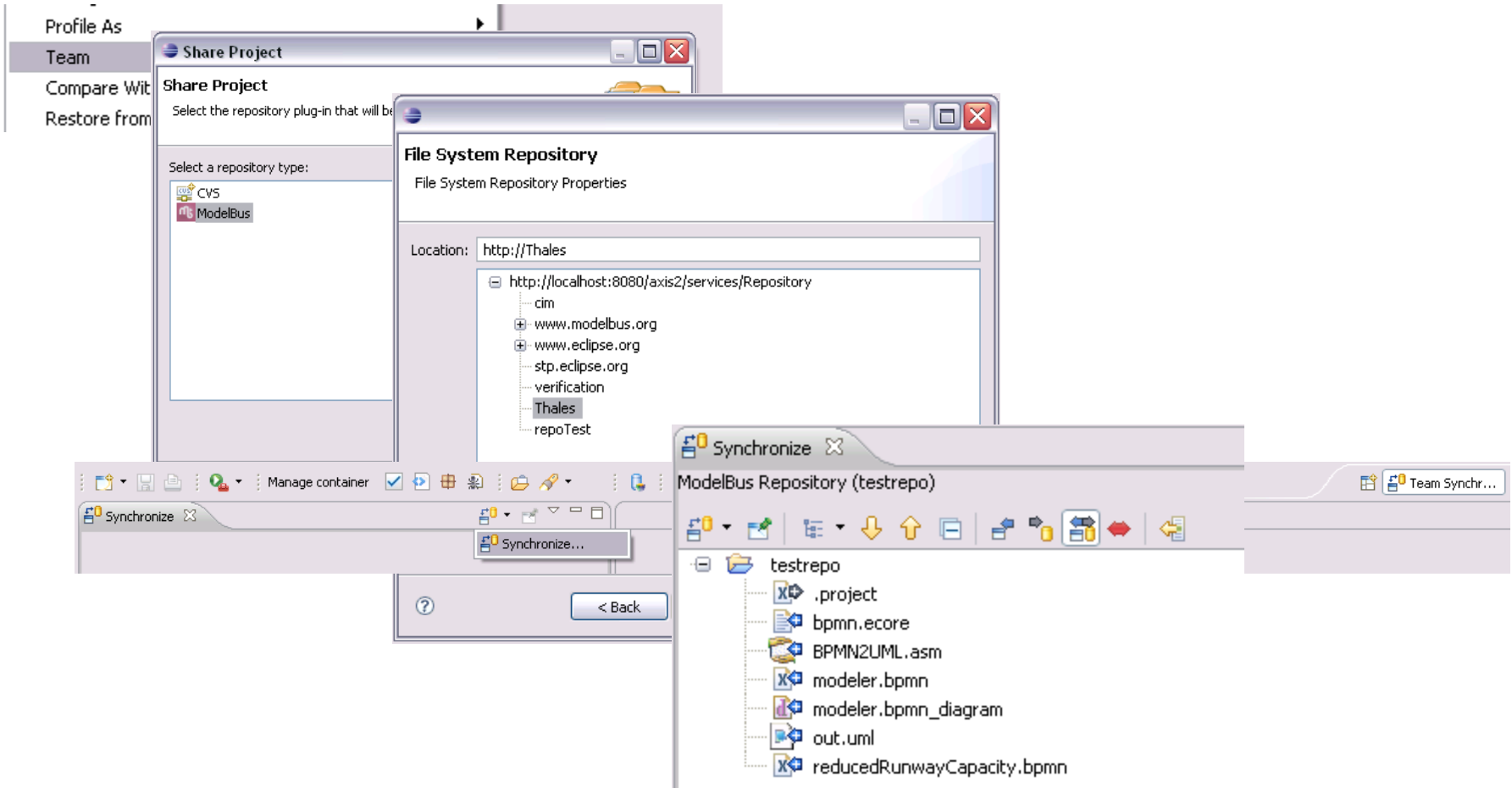
- User is based on User Name, Password
- Mask
 - READ = 1;
 - WRITE = 2
 - EXECUTE = 4;
 - Everything = -1

ModelBus User Preferences

ModelBus Login Data

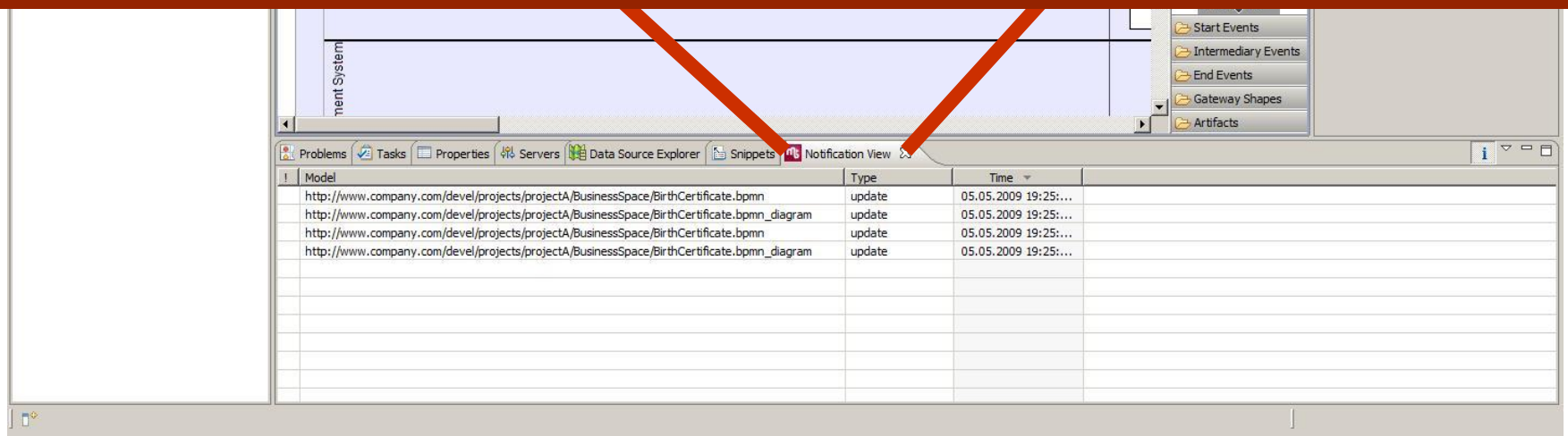
User name:

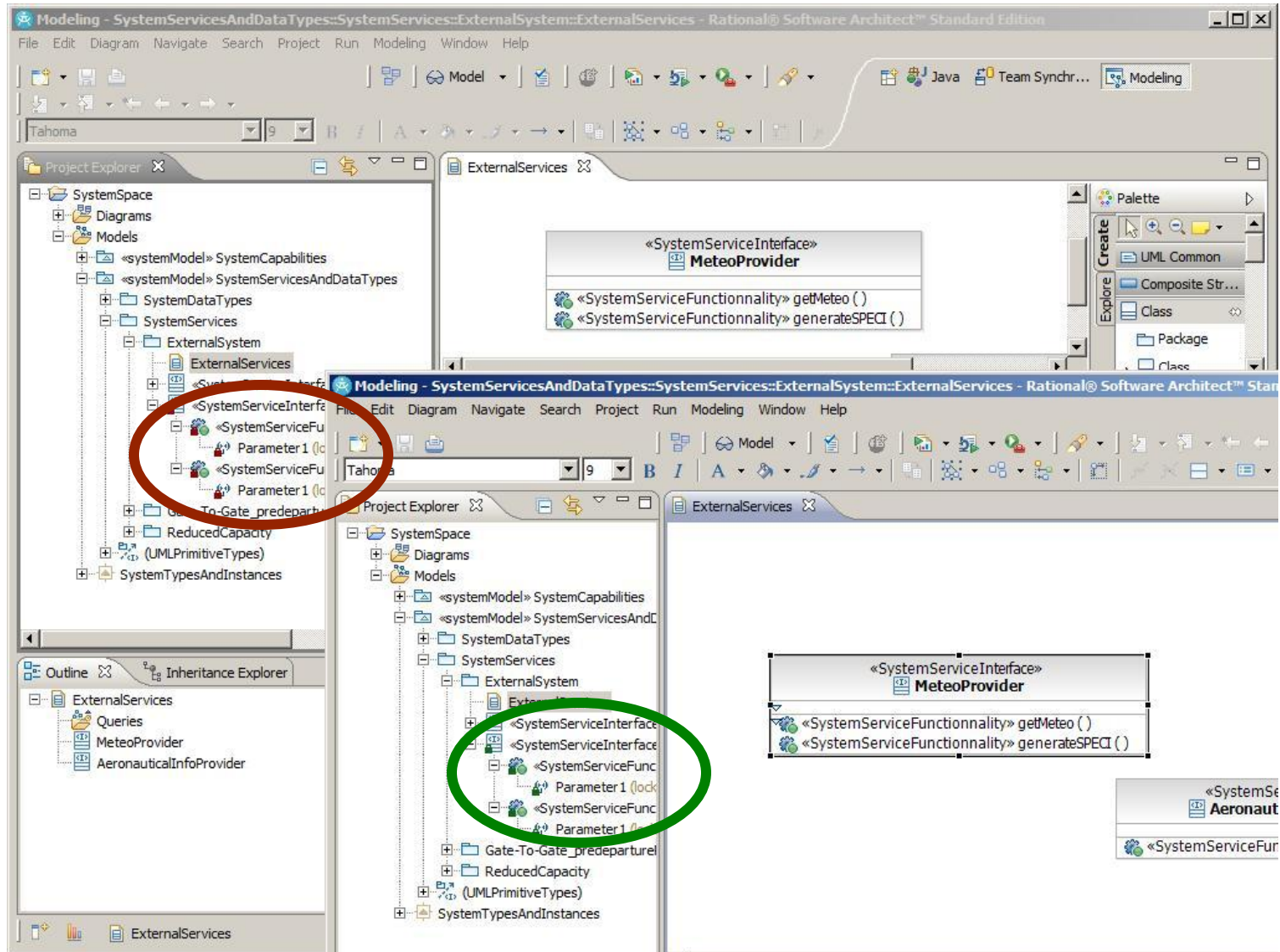
Password:



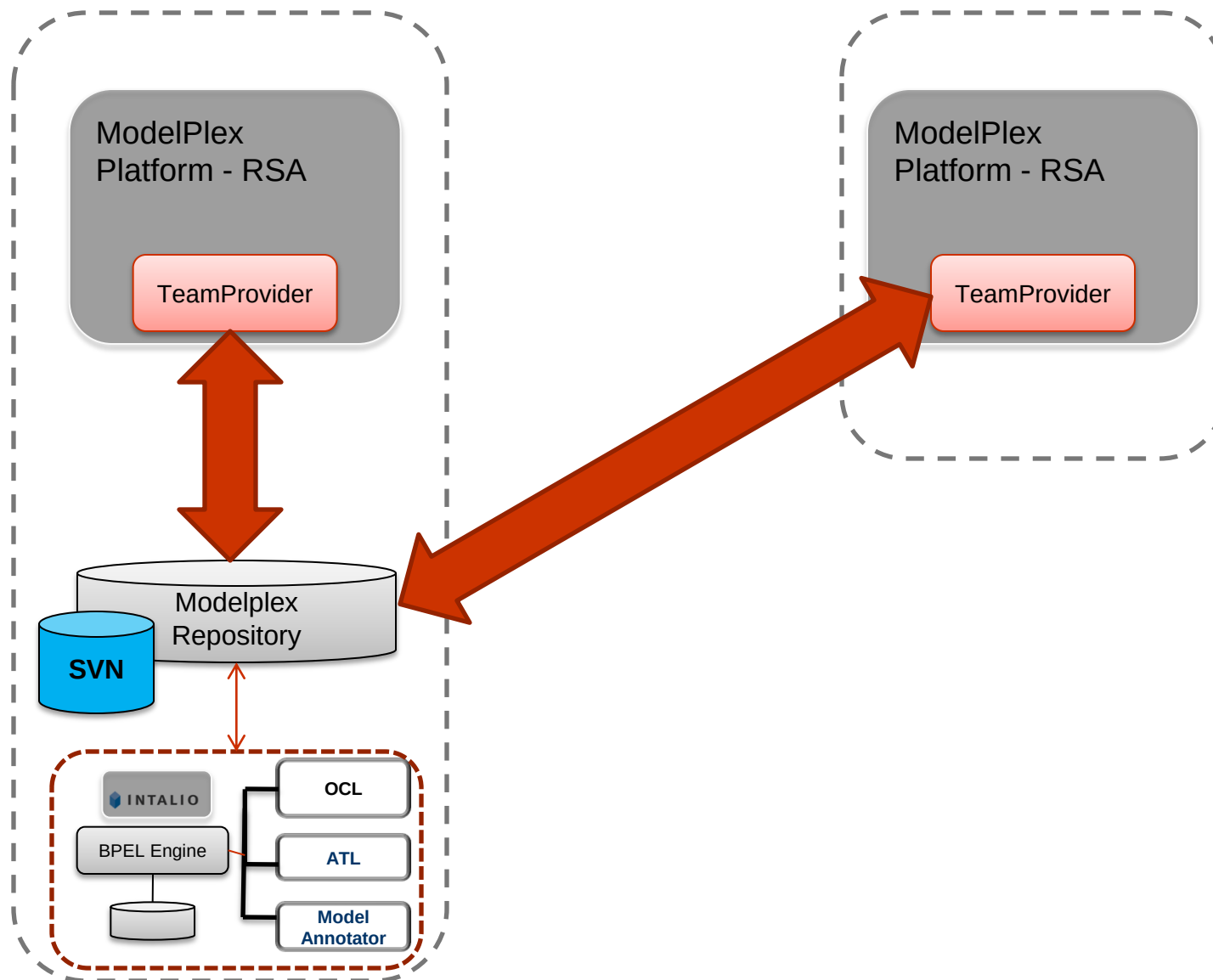


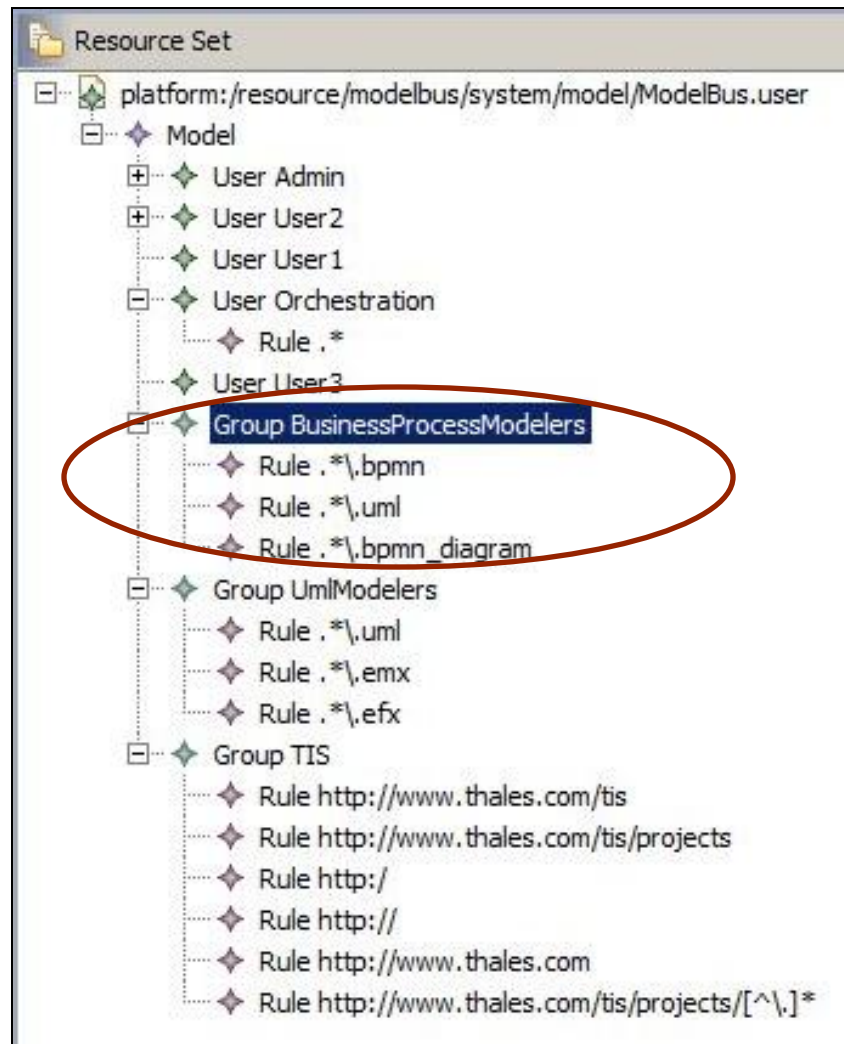
Model	Type	Time
http://www.company.com/devel/projects/projectA/BusinessSpace/BirthCertificate.bpmn	update	05.05.2009 19:25:00
http://www.company.com/devel/projects/projectA/BusinessSpace/BirthCertificate.bpmn_diagram	update	05.05.2009 19:25:00
http://www.company.com/devel/projects/projectA/BusinessSpace/BirthCertificate.bpmn	update	05.05.2009 19:25:00
http://www.company.com/devel/projects/projectA/BusinessSpace/BirthCertificate.bpmn_diagram	update	05.05.2009 19:25:00





Demo Outline

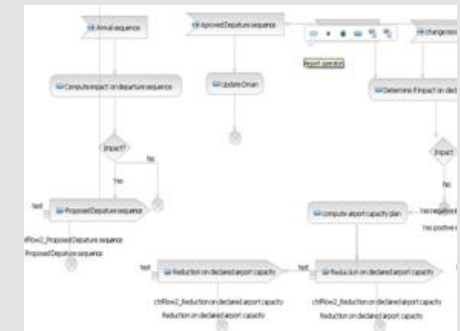




→BPMN

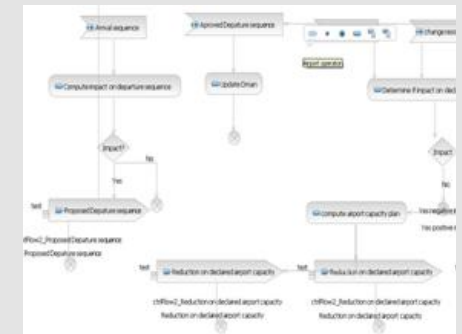


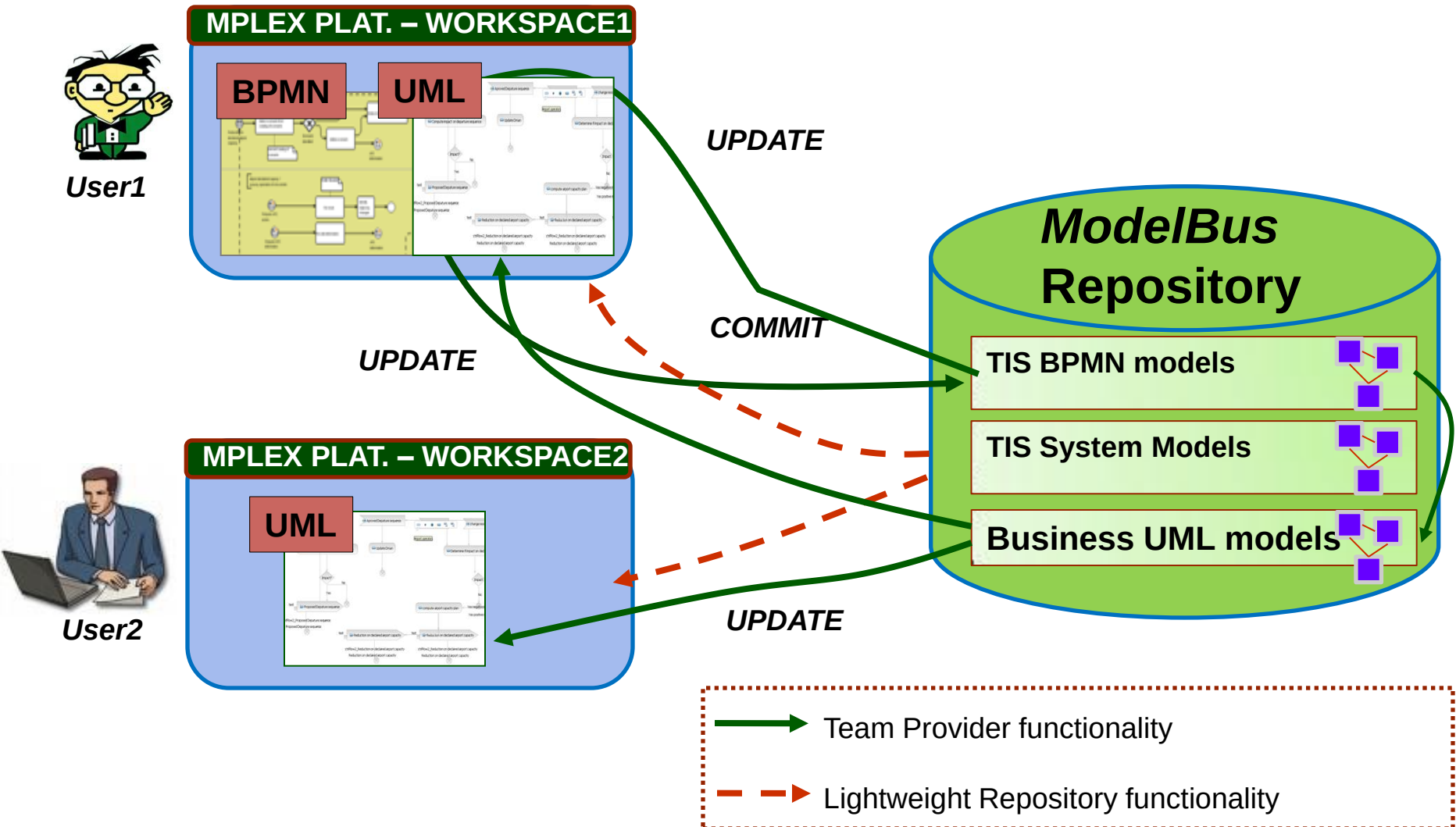
→UML

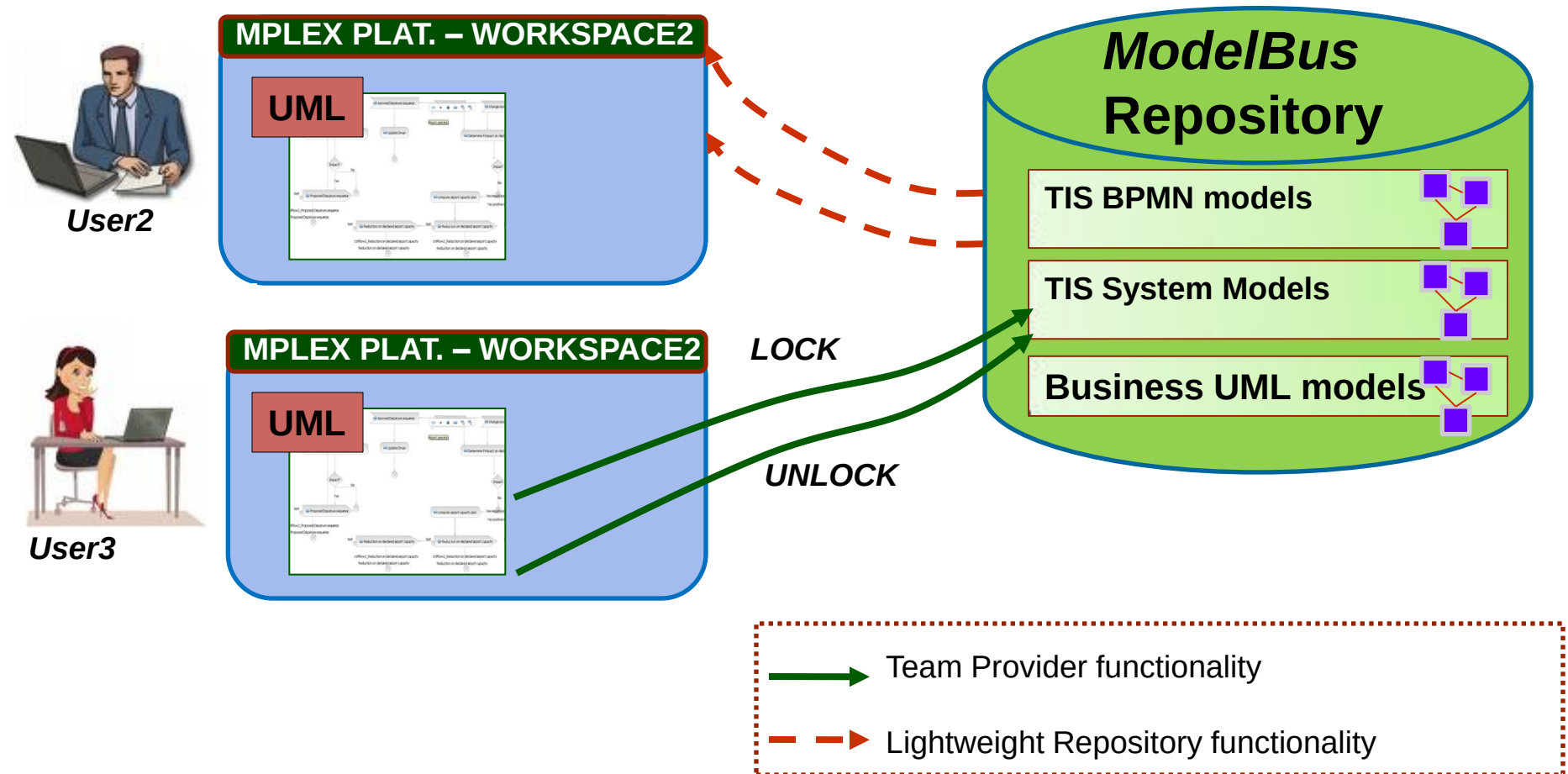




→ **UML**







- Initial set of features implemented
- First Release in June 2009
- Additional Information available at:

www.modelbus.org

www.modelplex.org

www.cesarproject.eu

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