



# SOA Tools Project Charter Presentation

Carl Trieloff – IONA Technologies

Slide 0

# SOA Tools Project Charter Overview



- SOA Tools Project (STP) provides an extensible, tooling platform for SOA applications and networks
- Key capabilities of STP include the design, configuration, assembly, deployment, monitoring, and management of SOA services
- Key specifications in STP are SCA and WSDL
- Philosophy of STP is the re-use of technology from other Eclipse projects whenever possible, such as WTP,DTP,SDO

# Key Principles



## **Contract Independence:**

- STP service contracts are independent from the implementation of the service and physical attributes

## **Standards**

- STP contracts will comply with applicable industry standards,
- STP will support SCA and its associated implementation and binding types, also SCA will be the underlying data model for STP
- WSDL will be used to limit the scope to create the service/contract tools



# Extensibility

- STP encourages third-party plug-ins and will ship with exemplary plugins / frameworks to be functional OOTB.
- STP supports an architecture, which through extensions allows anybody:
  - to provide tools for the editing, construction or configuration of services for deployment in the SOA System (SOAS).
- Any subproject of STP extending the SOAS is
  - 1) required to integrate with the meta-model and framework of the SOAS layer
  - 2) encouraged to be integrated into the service creation subproject.



# Who supports STP

## Charter reviewed/ supported by:

- BEA
- Compuware
- IBM
- IONA Technologies
- ObjectWeb
- Scapa
- Sybase

## Additional committers from:

- EBM WebSourcing
- LogicBlaze
- Intallio
- Infravio
- SympathySoft
- And others

# Participation



- The STP Core Framework
  - IONA, Sybase, ObjectWeb, IBM, BEA
  - Code contribution from Sybase & pending confirmation of contribution from another
- Service Assembly
  - IONA, Sybase, IBM
  - Code contribution from IONA
- STP support for JBI
  - LogicBlaze, EBM WebSourcing, ObjectWeb
- BPEL/ BPNM artefacts in services
  - Intalio, Scapa
  - Code Contribution from TPTP/ Intalio
- Initial committer count is expected to be between 35-40



Slide 5

# Initial Committers



**David Bosschaert, IONA**

**Oisin Hurley, IONA**

**Gregor Heine, IONA**

**Jack Lynch, IONA**

**Carl Trieloff IONA**

**Adrian Skehill, IONA**

**Eric Mitchell, IONA**

**Alex Chen, IONA**

**Howard Gao, IONA**

**Ciaran O'Cleirigh, IONA**

**David Beurpere, IONA**

**Erica Mitchell, IONA**

**Fiona Kennedy, IONA**

**Freeman Fang, IONA**

**Joan Rohn, IONA**

**Johnson Ma, IONA**

**Mairead Melia, IONA**

**Alain Boulze, ObjectWeb**

**Christophe Ney, ObjectWeb**

**Naci Dai, Eteration**

**Fabrice Dewasme, Openwide**

**Rafael Marins, Fossil E-Commerce**

**Rob Cernich, Sybase**

**Karl Reti, Sybase**

**David Brandow, Sybase**

**James Strachan, LogicBlaze**

**Bruce Snyder, LogicBlaze**

**Hiram Chirino, LogicBlaze**

**Stefan Daume, Scapa**

**Antony Miguel, Scapa**

**Adrien Louis, EBM WebSourcing**

**Gaël Blondelle, EBM WebSourcing,**

**Daniel Berg, IBM**

**Ken Tam, BEA**

**Olivier Modic, Intalio**

**Ross Mason Symphonysoft**

**Mukund Balasubramanian, Infravio**

# Working group topics for STP



- Core Framework [STP CF]
  - Runtime Integration [STP RI]
    - Deploy-time packaging
    - Deployment
    - Management
  - Service assembly [STP SA]
    - artefact creation (and editing)
    - wrt SCA subsystem
    - wrt SCA module
    - project structuring
  - Infrastructure Layer [STP IL]
    - Validation
    - Refactoring
    - Reference/dependency management
- Service Discovery [STP SD]
  - Testing & Debug [STP TD]
    - Management
  - Extensibility Validation, how do we validate the STP frameworks, examples include
    - - POJO (All)
    - - C++ (IONA)
    - - PHP
    - - JBI (LogicBlaze, EBMWebSourcing)
    - - J2EE (IBM, BEA, ObjectWeb)
    - - BPEL (IBM, Scapa, ..)

Slide 7

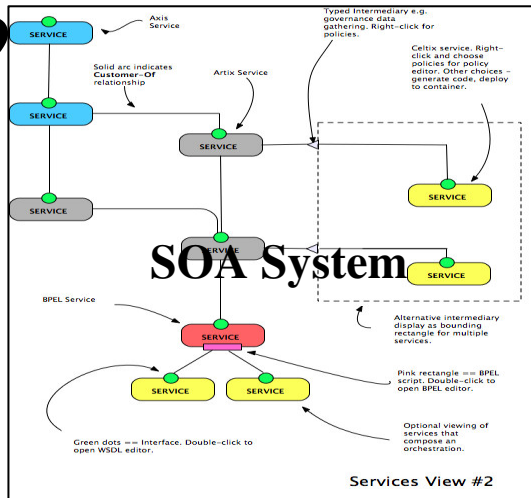


# STP TLP – What does this look



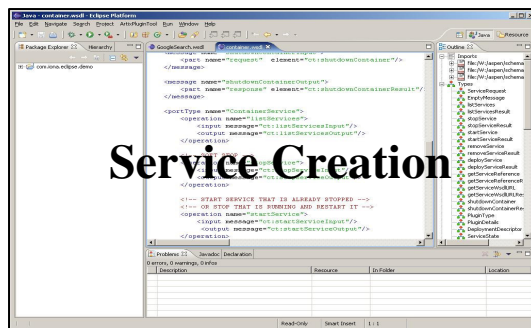
like?

Assembling  
the SOA  
System



- Policies editors
- Deployment framework
- System validation framework
- Dependency management

Editing &  
creating  
Services



- B2J
- BPNM
- Additional Service Ext.

Frameworks

Extensibility for plug-in for  
specific editors

# Subprojects



## **SOA System (STP Core Framework)**

- The common core subproject defines an in-memory model that all other STP subprojects must support.
  - model will be based on the SCA assembly model schema
  - multiple extensibility requirements
  - support for "1st class" extension of SCA model, e.g. new bindings, impl type
  - support for annotations to assembly model for subprojects that want to implement runtime specific deployment

## **Service Creation (Service Assembly)**

- Editors/links to edit/view service contracts, and implementations

## **B2J**

- BEPL2.0 to Java code generation for consumption by Service creation plug-ins

## **BPNM**

- Editors to edit/view BEPL2.0 artefacts of service in the SOA System

Slide 9

# Timeline

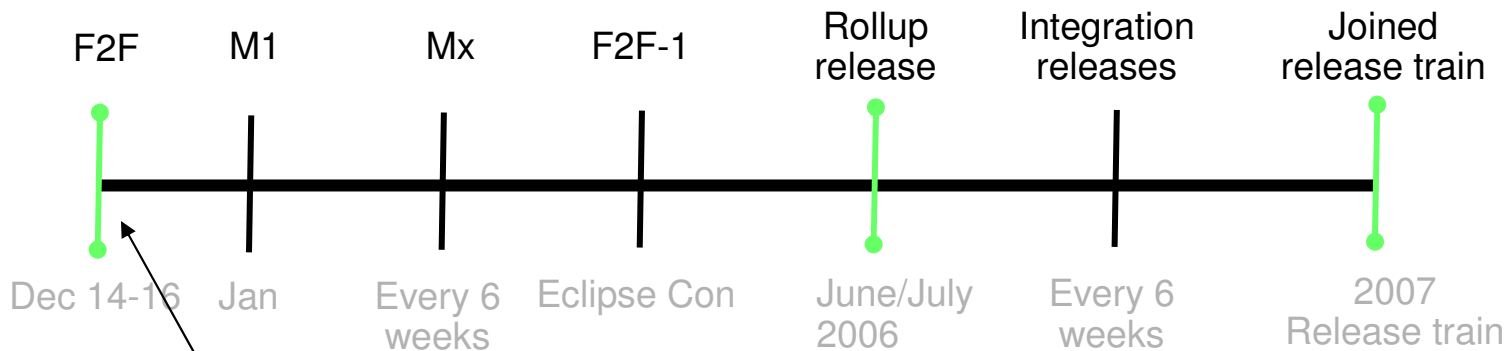


## **STP Build out details**

- STP will create a continuous build system, and then work on a 6 week milestone program
- STP will set up coverage stats and check-ins will be required to have 70% test coverage, for all milestone releases
- **Release train**
  - STP will not sign up for the 2006 release train, but will work to release a stable version of the frameworks and extensions within one month of the release train. This release will target:
    - STP Core Framework
    - Basic service creation (Service Assembly)
    - The Infrastructure Layer
    - Runtime Integration
    - Moved TPTP contribution to B2J code
  - STP will sign up for the 2007 release train.

Slide 10

# Milestones



## M1

- Infrastructure and build systems up an running

## Mx

- Incremental build working on STP frameworks and infrastructure
  - STP Core Framework
  - Basic service creation (Service Assembly)
  - The Infrastructure Layer
  - Runtime Integration
  - Moved TPTP contribution to B2J code

## •F2F-1

- Face to face at Eclipse Con

## Roll up release

- STP will not join the release train but work to release all the key frameworks, in a stable tested release on top of the 2006 train.

## Integration releases

- STP will continue with the 6 week cycle, and then join the release train for 2007

## •2007 release train

- STP will release a “full” version with the 2007 release train

Slide 11