
Working with Apache Tuscany

A Hands-On Workshop

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Get to know Tuscany Project

I have been hearing a lot about this open source project called Apache Tuscany. How can I learn more about it ?



- Learn about the project
 - Project overview and subproject pages
 - Go to Tuscany website's dashboard page that links to key resources for your learning.
- Subscribe to the mailing list and talk to the community
 - Ask questions. Any questions is welcomed
- Download distribution
 - Typically latest release is the best to start with
- Run getting started tutorial
- Run samples, demos
 - Use samples and demos to better understand how to use the project and learn details about it's features

Project Overview: <http://tuscany.apache.org>

Index : Apache Tuscany - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://tuscany.apache.org/

Start Stumbling... or Sign-in

APACHE TUSCANY

Apache Tuscany > Home > General Info > Index

User List | Dev List | Issue Tracker

General

- Home
- License
- Downloads
- Documentation
- Found a Bug?

Community

- User Feedback
- Get Involved
- Mailing Lists
- Dashboard
- Blog
- Chinese Portal 中文

Tuscany SCA

- SCA Overview
- SCA Java
- SCA Native
- SCA PHP

Tuscany SDO

- SDO Overview
- SDO Java
- SDO C++
- SDO PHP

Tuscany DAS

- DAS Overview
- DAS Java
- DAS C++

Overview

Welcome to the Apache Tuscany project! The Tuscany community is working to create a robust and easy to use infrastructure that simplifies the development of service-based application networks and addresses real business problems posed in SOA.

Tuscany is based on specifications defined by the [OASIS Open CSA](#) Member Section and the [Open SOA](#) Collaboration:

- Service Component Architecture (SCA)** - An essential characteristic of SOA is the ability to assemble new and existing services to create brand new applications that may consist of different technologies. Service Component Architecture defines a simple, service-based model for construction, assembly and deployment of a network of services (existing and new ones) that are defined in a language-neutral way. Tuscany implements the [SCA Version 1.0](#) specifications. [Learn more about SCA](#)
- Service Data Objects (SDO)** provides a uniform interface for handling different forms of data, including XML documents, that can exist in a network of services and provides the mechanism for tracking changes. Tuscany implements the [SDO Version 2.1](#) specifications. [Learn more about SDO](#)
- Data Access Service (DAS)** provides a simple SDO interface to relational databases. [Learn more about DAS](#)

The above mentioned technologies provide a full infrastructure for developing and running SOA based applications. They are not dependent on one another and can be used independently.

Please join us to create a simple, practical, extensible SOA infrastructure to address the problems that large-scale applications and service networks are faced with. We look forward to your participation.

Latest Tuscany Releases

- SCA Java 1.2.1-incubating (June, 2008)
- SDO Java 1.1-1 (July 2008)
- DAS Java 1.0-incubating-beta2 (Oct. 2007)
- SCA Native Incubator-M3 (May, 2007)

Project Ideas

- Integrate Tuscany & Google gadgets
- Implement Data Services
- And much more

News

- June 08, 2008 - [Tuscany Java SCA 1.2.1 released!](#)
- May 21, 2008 - [Apache Tuscany is now an official ASF project!](#)
The ASF board has [approved graduation](#) from the Apache Incubator to be a fully endorsed ASF top level project.
- May 11, 2008 - [PyCon Italia Due](#)
Giorgio Zoppi presents [Python e Service Component Architecture](#) covering Python in SCA
- April 27, 2008 - [Tuscany Java SCA 1.2 released!](#)
- April 15, 2008 - [Tuscany Java SDO 1.1 released!](#)
- Feb 05, 2008 - [Tuscany Java SCA 1.1 released!](#)
- Nov 12-13, 2007 - [SOAWorld Conference & Expo 2007 West](#)

Find: conti

Next Previous Highlight all Match case

Done

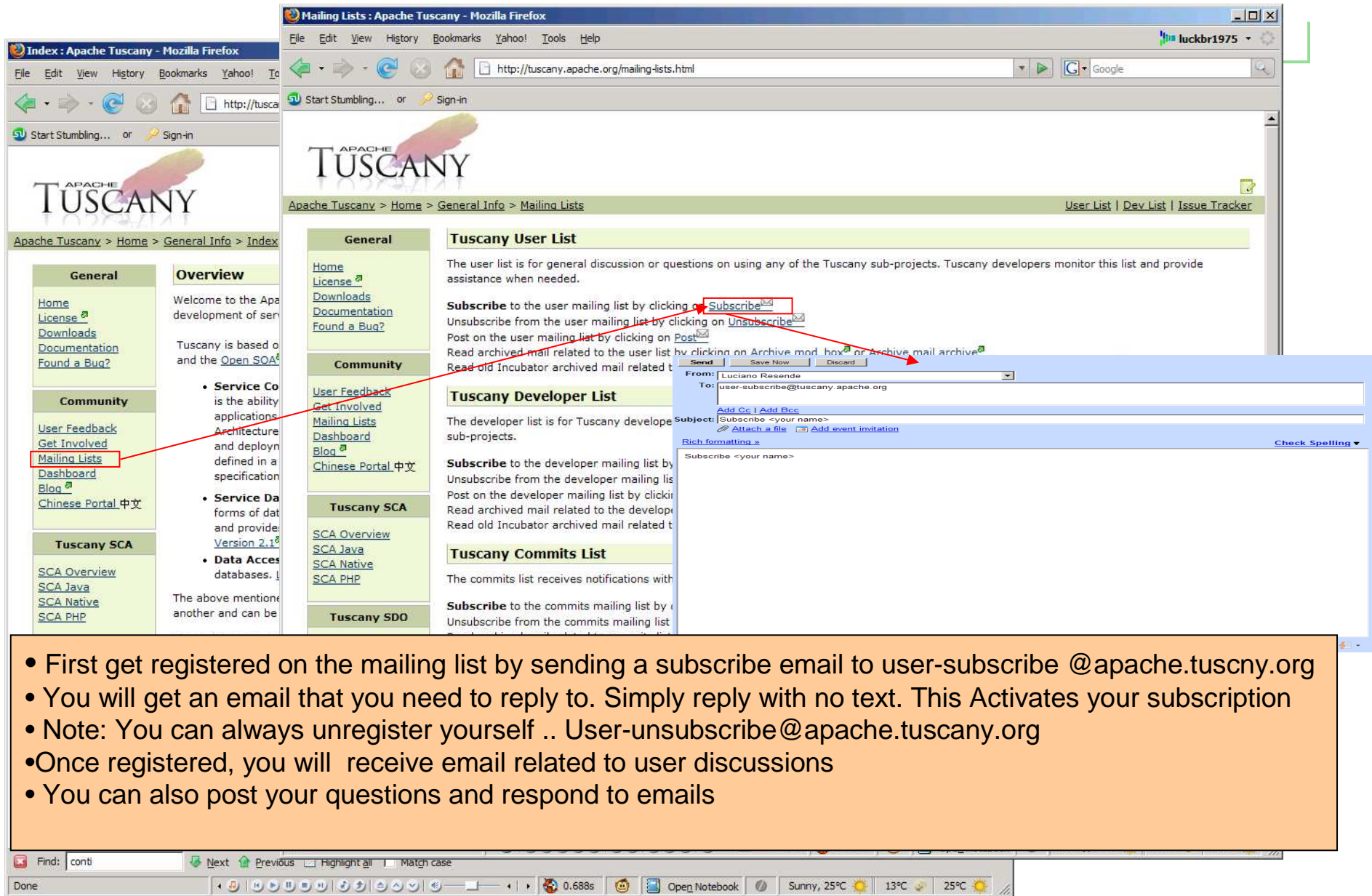
0.688s Open Notebook Sunny, 25°C 13°C 25°C

SCA
For service composition
& management

SCA's pluggable data
Handling extension
Allows it to work with
Different types, Jaxb,
Axiom, SDO.

Dashboard page
Links to useful
resources

How to ask questions as a user?



The screenshot shows the Apache Tuscany mailing lists page in a Mozilla Firefox browser. The page is titled "Mailing Lists: Apache Tuscany" and contains several sections: "Tuscany User List", "Tuscany Developer List", and "Tuscany Commits List". Each section provides instructions on how to subscribe, unsubscribe, and post to the mailing list. A red box highlights the "Subscribe" link in the "Tuscany User List" section. An email composition window is overlaid on the page, showing the "From" field as "Luciano Resende" and the "To" field as "user-subscribe@tuscany.apache.org". The "Subject" field contains "Subscribe <your name>".

- First get registered on the mailing list by sending a subscribe email to user-subscribe @apache.tuscny.org
- You will get an email that you need to reply to. Simply reply with no text. This Activates your subscription
- Note: You can always unregister yourself .. User-unsubscribe@apache.tuscany.org
- Once registered, you will receive email related to user discussions
- You can also post your questions and respond to emails

How to ask questions as a developer?

The screenshot shows the Apache Tuscany mailing lists page. The browser window title is 'Mailing Lists : Apache Tuscany - Mozilla Firefox'. The address bar shows 'http://tuscany.apache.org/mailling-lists.html'. The page content includes a navigation menu with links like 'Home', 'License', 'Downloads', 'Documentation', and 'Found a Bug?'. The main content area is divided into sections: 'General', 'Community', 'Tuscany SCA', and 'Tuscany SDO'. The 'Tuscany Developer List' section is highlighted with a red box, and the 'Subscribe' link is also highlighted with a red box. A red arrow points from the 'Mailing Lists' link in the left sidebar to the 'Subscribe' link in the 'Tuscany Developer List' section.

- First get registered on the mailing list by sending a subscribe email to developer-subscribe @apache.tuscny.org
- You will get an email that you need to reply to. Simply reply with no text. This Activates your subscription
- Note: You can always unregister yourself .. developer-unsubscribe@apache.tuscany.org
- Once registered, you will receive email related to developer discussions
- You can also post your questions and respond to emails

The bottom of the browser window shows a search bar with the text 'Find: cont', navigation buttons for 'Next', 'Previous', 'Highlight all', and 'Match case'. The system tray at the bottom right shows the time '0.688s', a weather icon for 'Sunny, 25°C', and other system icons.

Subscribing and using the mailing lists

- Different mailing list types
 - User – Used by users to ask questions or help each other
 - Development – Used by developers to discuss designs, releases, roadmaps. JIRA updates get routed to this mailing list
 - Committs – where code commits are sent to. A good way to see what is progressing in the project
 - Archives – hold a history for user and developer mailing list. Great place to search for finding answers for questions that may have already been asked.
- You can subscribe, unsubscribe or watch archive of these mailing lists. You cannot respond to emails from archive.
- Subscribing to Tuscany user list
 - `<list>-subscribe@<project>.apache.org`
 - <e.g.> user-subscribe@tuscany.apache.org
- Unsubscribing from Tuscany user list
 - `<list>-unsubscribe@<project>.apache.org`
 - <e.g.> user-unsubscribe@project.apache.org
- Browsing Tuscany Mailing Archives
 - <http://www.mail-archive.com/>
 - <http://apache.markmail.org>
 - http://mail-archives.apache.org/mod_mbox/

How to ask questions on the project mailing list

- Feel VERY COMFORTABLE to ask ANY kind of questions to help you understand the project. **There is no bad or good questions.**
- Remember that the project is a community effort and most people working on the project are volunteers.
- The way you ask questions can play in how you get answers
 - **Use meaningful, specific subject headers**
 - **Not helpful:** HELP!
 - **Better:** Webservice Error when running App
 - **Be precise and informative about your problem**
 - Describe the symptoms of your problem or bug carefully and clearly.
 - Do the best you can to anticipate the questions someone could ask back, and answer them in advance in your request for help.
 - Email volume is not precision – Keep the email concise and to the point
 - **A good source: “how to ask questions the smart way” at <http://www.catb.org/~esr/faqs/smart-questions.html>**

SCA Java Documentation

SCA Java : Apache Tuscany - Mozilla Firefox

http://tuscany.apache.org/sca-java.html

Apache Tuscany > Home > SCA Overview > SCA Java

General

Tuscany SCA Java

Home
License
Get Involved
Found a Bug?

SCA Java

SCA Java Home
FAQ
Downloads
Documentation
Tools
Source Code

At the very high level, Java SCA Tuscany value-add features as policy and data binding to be e Java.

Build your first SCA appl

Implement

Java components
Spring assemblies
Scripting with JSR 223(JavaS
BPEL (a prototype using Apac
XQuery
OSGI

Copyright © 2006, The Apache Software Foundation Apache Tuscany newly accepted projects until a further review indicates that the infr While incubation status is not necessarily a reflection of the comple

Java SCA Documentation Menu : Apache Tuscany - Mozilla Firefox

http://tuscany.apache.org/java-sca-documentation-menu.html

Apache Tuscany > Home > SCA Overview > SCA Java > Java SCA Documentation Menu

User List | Dev List | Issue Tracker

General

Home
License
Get Involved
Found a Bug?

SCA Java

SCA Java Home
FAQ
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Documentation
Tools
Source Code

Java SCA Documentation

The following guides are available for SCA Java.

- [User Guide](#) **How to develop applications**
This introduces you to SCA concepts and describes the various features of the Apache Tuscany Java SCA runtime.
 - [Getting Started with Tuscany using a Tuscany Distribution from the Command Line](#)
This is a quick getting started guide that shows you how to download the latest release, run the calculator sample and then how to use the calculator sample project as a basis for you own projects
 - [Getting Started with Tuscany using a Tuscany Distribution In Eclipse](#)
This is a quick getting started guide that go trough the steps of building the store scenario using the Tuscany SCA distribution manually installed into Eclipse
 - [Getting Started with Tuscany using the Tuscany Eclipse plugin](#)
This is a quick getting started guide that go trough the steps of building the store scenario using the Tuscany Eclipse plugin.
 - [First Steps - Building your first web services using Tuscany](#)
This is a quick guide that go trough the steps of exposing your pojo component as web services.
- [Developer Guide](#) **How to help with Tuscany development and extend Tuscany it**
If you would like to contribute to the project, this guide explains how to build Java SCA and how to contribute code back to the project.
 - [Architecture Guide](#)
This guide provides a high level view of SCA Java architecture.
 - [Extension Development Guide](#)
This guide explains how to develop code that extends Tuscany SCA Java.
 - [Data binding guide](#)
This guide gives an overview of the Tuscany Data Binding framework.
 - [Security aware programming guide](#)
This guide shows the Tuscany developer how to write core and extension code that correctly employs the Java security features
- Javadocs
 - [Tuscany SCA API Javadocs](#)
 - [Tuscany SCA SPI Javadocs](#)

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Find: conti Next Previous Highlight all Match case

Done

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How to Contribute?

I think Apache Tuscany is a great project to get involved with. I like the idea and the technology. How can I get involved?



- **welcome to the project!** Apache Tuscany welcomes any kind of participation.

- Check “Get involved” page. It explains some ways to get involved.
 - Find what you are interested in after you learn about the overall project.
 - Check roadmap or JIRAs
 - Some ideas:
 - Provide patch for JIRAs to get experienced
 - Contribute to design, architecture documents as you learn about the project
 - Contribute features that you are interested in
 - Contribute tests, scenarios, ...
 - Check development guides. It usually has good hints for how to build, setup your environment, etc.
 - If you need help, ask.

Get Involved Page

Getting Involved : Apache Tuscany - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://tuscany.apache.org/getting-involved.html

Stumble! I like it! Send to Channels: All Favorites Friends Tools

APACHE TUSCANY

Apache Tuscany > Home > General Info > Getting Involved

User List | Dev List | Issue Tracker

General

[Home](#)
[License](#)
[Downloads](#)
[Documentation](#)
[Found a Bug?](#)

Community

[User Feedback](#)
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[Blog](#)
[Chinese Portal](#) 中文

Tuscany SCA

[SCA Overview](#)
[SCA Java](#)
[SCA Native](#)
[SCA PHP](#)

Tuscany SDO

[SDO Overview](#)
[SDO Java](#)
[SDO C++](#)
[SDO PHP](#)

Tuscany DAS

[DAS Overview](#)
[DAS Java](#)
[DAS C++](#)

Getting Involved

Apache Tuscany

A successful project requires many people to play many roles, for example write code, documentation, test, provide suggestions or feedback. These are all important.

Here are some suggestions for getting started and welcome to the project.

- Tuscany consists of several [subprojects](#). Identify what areas you are interested in. Take a look at samples for that area.
- Subscribe to the [mailing list](#). If you are interested to get involved at the user level, subscribe to user mailing list. If you are interested to get involved in the development of Tuscany, subscribe to the developer list. Remember that you can always unsubscribe later.
- Would like to contribute new ideas? Start with the mailing list and share your thoughts.
- Answer questions posted to the [mailing list](#).
- Identify JIRAs in the area that you are interested in and provide patches.
- Contribute to the user or developer documentation or website. Create the Wiki page on the [Tuscany Wiki](#), create a JIRA and attach the link.
- Identify [known issues](#) that you'd like to fix and provide a patch.
- Contribute to feature development. Just let the community know what you'd like to work on. It is as easy as that.
- If in doubt about where to start, send a note to the mailing list and mention your area of interest. Any questions is welcomed. We'd like you to be involved!
- Provide feedback:** What is working well? What is missing? What can help you with your deployment. This helps us create software that addresses real pain points in SOA.

Project Ideas

- [Integrate Tuscany & Google gadgets](#)
- [Implement Data Services](#)
- [And much more](#)

communication

Please note that a single mailing list is used for all the subprojects.

The Tuscany community also gets together on IRC. The IRC server is irc.freenode.net and the channel is #tuscany.

Internet Relay Chat (IRC) Help is a good source of information on understanding IRC chats.

The following are some IRC chat clients:

- mIRC <http://www.mirc.com/>
- Trillian <http://www.ceruleanstudios.com/>

Find: launch

Next Previous Highlight all Match case

Done 0.578s Open Notebook Clear, 16°C 14°C 24°C

Reporting Problems

How do I create a JIRA?



- JIRA system is used to report and track issues and new feature requests.
- If first time user, create a login account: User id and password
 - You define your own user id and password
- If not a first time user, login to create a JIRA or to update a JIRA
- Each area of the project has a component name. For example, component core, component data binding, etc.

New Feature Requests

Do I use JIRA system for feature requests and enhancements? Yes



- JIRAs are used to track new feature enhancements.
 - Typically a discussion on the mailing list leads to a JIRA
 - What helps?
 - Use case scenario for why this is a useful feature
 - Samples/tests if you have any
 - Your code contribution can expedite getting the feature in

Reporting Problems or requesting features: Use JIRA system

The image shows a composite screenshot illustrating the process of reporting a problem or requesting a feature using the JIRA system. It features three overlapping browser windows:

- Top Window (Apache Tuscany - Mozilla Firefox):** Displays the Apache Tuscany website's "Issue Tracking" page. The page title is "Issue Tracking" and the URL is "http://tuscany.apache.org/issue-tracking.html". The page content includes sections for "General", "Reporting an Issue", and "Submitting a Patch". A red box highlights the "Found a Bug?" link in the "General" sidebar, and a red arrow points from it to the "JIRA" link in the "Reporting an Issue" section.
- Middle Window (ASF JIRA - Mozilla Firefox):** Displays the Apache Software Foundation (ASF) JIRA issue tracking system. The page title is "Browse Project - ASF JIRA - Mozilla Firefox" and the URL is "http://issues.apache.org/jira/browse/Tuscany". The page content includes the ASF logo, navigation links, and a list of "All Projects : Tuscany (Key: TUSCANY)". A red arrow points from the "JIRA" link in the top window to the "Browse Project" link in the middle window.
- Bottom Window (ASF JIRA - Mozilla Firefox):** Displays the "All Projects : Tuscany (Key: TUSCANY)" page. The page content includes a "Select:" dropdown menu, a "Components" table, and a "Versions" table. The "Components" table lists various components with their respective counts of open issues. The "Versions" table lists various versions with their respective counts of open issues.

The "Components" table data is as follows:

Component	Count
Build System	10
C++ Build	2
C++ DAS	1
C++ SCA	24
C++ SDO	54
C++ Specification	10
C++ Website	1
Interop	1
Java DAS LDAP	1
Java DAS RDB	14
Java SCA Assembly Model	16
Java SCA ATOM Binding Extension	2
Java SCA Axis Binding Extension	32
Java SCA BPEL Implementation Extension	2
Java SCA Core Runtime	43
Java SCA Data Binding Runtime	15
Java SCA Demos	2
Java SCA Documentation	4
Java SCA Domain Management	1
Java SCA EJB Binding Extension	2
Java SCA Embedded Runtime	1
Java SCA Integration Tests	9

The "Versions" table data is as follows:

Version	Count
Java-SCA-1.3	1
Cpp-Next	77
Java-DAS-Next	14
Java-SDO-CTS-Next	3
Java-SDO-Next	39
Java-SCA-Next	186
Cpp-M4	4
Unscheduled	32

Creating a JIRA

Create Issue - ASF JIRA - Mozilla Firefox
https://issues.apache.org/jira/secure/CreateIssue!default.jspa

The Apache Software Foundation
http://www.apache.org/

HOME BROWSE PROJECT FIND ISSUES CREATE NEW ISSUE ADMINISTRATION QUICK SEARCH:

Create Issue

Step 1 of 2: Choose the project and issue type...

* Project: Tuscany

* Issue Type: Bug

Next>> Cancel

Create Issue - ASF JIRA - Mozilla Firefox
https://issues.apache.org/jira/secure/CreateIssue.jspa

Create Issue

Step 2 of 2: Enter the details of the issue...

Project: Tuscany

Issue Type: Bug

* Summary: Helloworld-BPEL exit with exceptions when running from ant script

Priority: Major

Due Date:

Components: Java SCA OSGI Integration
Java SCA Problem Determination
Java SCA Samples
Java SCA Script Implementation Extension
Java SCA Spring Implementation Extension

Affects Version/s: Cpp-Next
Java-DAS-Next
Java-SDO-CTS-Next
Java-SDO-Next
Java-SCA-Next
Cpp-M4

Fix Version/s: Cpp-Next
Java-DAS-Next
Java-SDO-CTS-Next
Java-SDO-Next
Java-SCA-Next
Cpp-M4

* Assignee: - Automatic - Assign to me

Environment:

Description:

- Provide a one liner summary that describes the issue
- Select the area that was affected
- Select the version of the code that you are using
- Provide necessary environment information
- Provide detailed description and any stack traces on the description
- Provide a test case to reproduce if can be done

Finding JIRAs to fix, good starting point

The screenshot shows two browser windows. The left window displays the Apache Software Foundation website with the 'Components' section expanded to show 'Open defects' for various Java SCA components. The right window shows the 'Issue Navigator' for ASF JIRA, displaying a list of 186 issues.

Open defects (from Components section):

Component	Open defects
Build System	11
C++ Build	2
C++ DAS	1
C++ SCA	24
C++ SDO	54
C++ Specification	10
C++ Website	1
Interop	1
Java DAS LDAP	1
Java DAS RDB	14
Java SCA Assembly Model	17
Java SCA ATOM Binding Extension	2
Java SCA Axis Binding Extension	31
Java SCA BPEL Implementation Extension	2
Java SCA Core Runtime	43
Java SCA Data Binding Runtime	17
Java SCA Demos	2
Java SCA Documentation	4
Java SCA Domain Management	1
Java SCA EJB Binding Extension	2
Java SCA Embedded Runtime	1
Java SCA Integration Tests	9

Issue Navigator Table (Sample Data):

Key	Summary	Assignee	Reporter	Status	Affects Version/s	Res	Fix Version/s	Created	Updated
TUSCANY-2032	java interface exposed as service, annotated with javax.xml.ws.RequestWrapper(...) is ignoring the namespace	Simon Nash	ciemens utschig	Open	Java-SCA-1.0.1	UNRESOLVED	Java-SCA-Next	08/Feb/08	19/Mar/08
TUSCANY-2050	WSDL/xml Interface referring to wsdl with XSD imports that cannot be resolved throws nullpointer	Unassigned	ciemens utschig	Open	Java-SCA-1.1	UNRESOLVED	Java-SCA-Next	15/Feb/08	20/Mar/08
TUSCANY-2074	Component Service not coming up.	Unassigned	Sandeep Raman	Open	Java-SCA-1.1	UNRESOLVED	Java-SCA-Next	12/Mar/08	16/Apr/08
TUSCANY-2302	Should not have any hardcoded file paths or other locale dependent characters	Unassigned	Hasan Muhammad	Open	Java-SCA-Next	UNRESOLVED	Java-SCA-Next	08/May/08	09/May/08
TUSCANY-2144	Error while Invoking Service	Unassigned	Sandeep Raman	Open	Java-SCA-1.1	UNRESOLVED	Java-SCA-Next	26/Mar/08	09/May/08
TUSCANY-2498	Build error trying to resolve policy intent in binding-ws-axis2	Unassigned	Jean-Sebastien Delfino	Open	Java-SCA-Next	UNRESOLVED	Java-SCA-Next	25/Jul/08	25/Jul/08
TUSCANY-1152	Support Spring beans as eager-init singletons with references to SCA composite references	Mike Edwards	Jim Marino	Open	Java-SCA-Next	UNRESOLVED	Java-SCA-Next	04/Mar/07	17/Aug/07
TUSCANY-1776	Implement mechanism to allow selection of a binding out of several available bindings based on policy intents	Venkatakrishnan	Venkatakrishnan	Open	Java-SCA-Next	UNRESOLVED	Java-SCA-Next	20/Sep/07	20/Sep/07
TUSCANY-1884	Web Service binding incompatibility when referencing a WebService hosted on JBoss	Unassigned	Marco Daloz	Open	Java-SCA-0.89	UNRESOLVED	Java-SCA-Next	11/Sep/07	15/Sep/07

Download the code

asf - Revision 679547: /tuscany

- ..
- [KEYS](#)
- [PROPOSAL.txt](#)
- [STATUS](#)
- [branches/](#)
- [contrib/](#)
- [cpp/](#)
- [interop/](#)
- [java/](#)
- [maven/](#)
- [sandbox/](#)
- [site/](#)
- [tags/](#)

Powered by [Subversion](#) version 1.5.0 (r31699).

Find: conti Next Previous Highlight all Match case

Done svn.apache.org 0.203s Open Notebook Sunny, 25°C 13°C 25°C

- Anyone can read the code
- Anyone can provide a patch
- Only committers can write to the repository
- There are different subprojects under Java (SCA, SDO, DAS, ..)

• Developers Guide with general info on how to check out code and build is on : <http://tuscany.apache.org/sca-java-development-guide.html>

Exploring open source releases

How do I learn more about a release?



- Download the release
 - There is a binary and source distribution for each supported platform
- Check important distribution artifacts
 - RELEASE_NOTES
 - CHANGES
- Learn how the code works via samples, tests

Tuscany Binary and Source distribution

Name	Size	Type ^	Date Modified
demos		File Folder	6/1/2008 7:20 PM
lib		File Folder	6/1/2008 7:20 PM
modules		File Folder	6/1/2008 7:20 PM
samples		File Folder	6/1/2008 7:20 PM
tutorial		File Folder	6/1/2008 7:20 PM
CHANGES	15 KB	File	5/29/2008 12:41 PM
DISCLAIMER	1 KB	File	5/29/2008 10:59 AM
INSTALL	2 KB	File	5/29/2008 12:41 PM
LICENSE	135 KB	File	5/29/2008 10:59 AM
NOTICE	5 KB	File	5/29/2008 10:59 AM
README	1 KB	File	5/29/2008 12:41 PM
RELEASE_NOTES	4 KB	File	5/29/2008 12:41 PM

- Java SCA binary distribution
- Demos
 - Binary Dependencies
 - Tuscany binaries
 - Samples
 - Tutorial

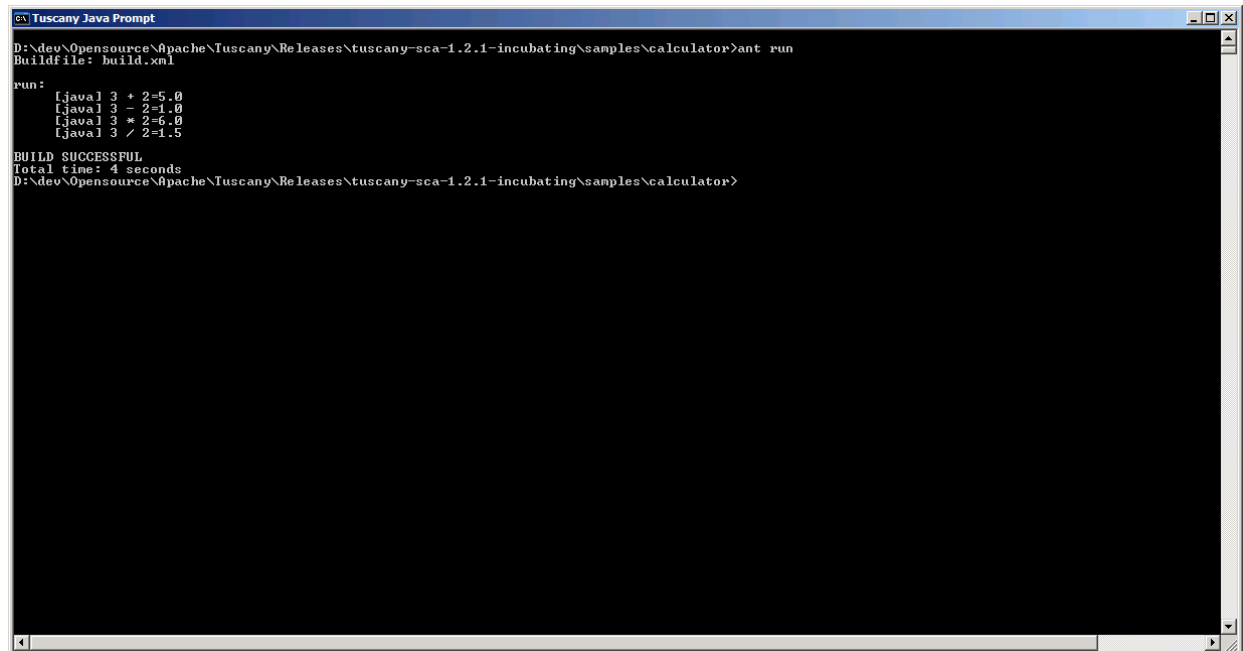
- Java SCA source distribution
- Demos
 - Distributions
 - Integration Tests
 - Implementation Modules
 - Samples
 - Tools
 - Tutorial

Name	Size	Type ^	Date Modified
demos		File Folder	6/1/2008 1:16 PM
distribution		File Folder	6/1/2008 7:18 PM
itest		File Folder	5/29/2008 12:05 PM
modules		File Folder	6/1/2008 11:20 AM
samples		File Folder	6/1/2008 12:05 PM
tools		File Folder	5/29/2008 12:41 PM
tutorial		File Folder	6/1/2008 11:11 PM
BUILDING	2 KB	File	5/29/2008 12:41 PM
CHANGES	15 KB	File	5/29/2008 12:41 PM
DISCLAIMER	1 KB	File	5/29/2008 10:59 AM
LICENSE	21 KB	File	5/29/2008 10:59 AM
NOTICE	2 KB	File	5/29/2008 10:59 AM
README	1 KB	File	5/29/2008 12:41 PM
RELEASE_NOTES	4 KB	File	5/29/2008 12:41 PM
pom.xml	10 KB	XML Document	5/29/2008 11:31 AM

Size: 9.87 MB
 Folders: assembly, assembly-java-dsl, assembly-xml, ...
 Files: pom.xml

Running a sample from a distribution

- cd tuscanysca-1.2.1-incubating\samples\calculator
- ant run
 - Buildfile: build.xml
 - run:
 - [java] 3 + 2=5.0
 - [java] 3 - 2=1.0
 - [java] 3 * 2=6.0
 - [java] 3 / 2=1.5



```
cs\ Tuscany Java Prompt
D:\dev\OpenSource\Apache\Tuscany\Releases\tuscany-sca-1.2.1-incubating\samples\calculator>ant run
Buildfile: build.xml

run:
  [java] 3 + 2=5.0
  [java] 3 - 2=1.0
  [java] 3 * 2=6.0
  [java] 3 / 2=1.5

BUILD SUCCESSFUL
Total time: 4 seconds
D:\dev\OpenSource\Apache\Tuscany\Releases\tuscany-sca-1.2.1-incubating\samples\calculator>
```

Contributing your fixes – Patch process

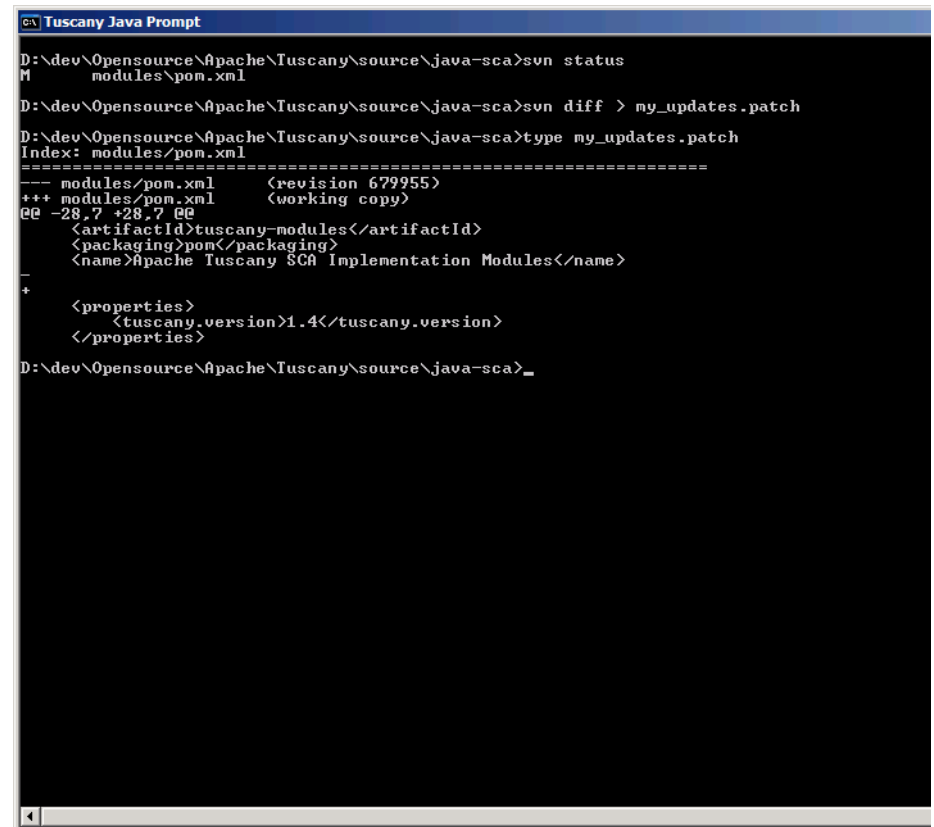
I have found this bug, and have a fix for it. How can I give it back to the Tuscany Project ?



- Communicate to the community that there is an issue by creating a new JIRA issue
 - Bugs
 - New Features
 - etc
- Discuss your design approach on the mailing list or in the JIRA.
- Attach the fix to the JIRA
- Please do not put code on the mailing list as a patch.
- More info on <http://tuscany.apache.org/issue-tracking.html>

Contributing your fixes – Patch process

- **Configure your svn properties**
 - <https://svn.apache.org/repos/asf/tuscany/java/etc/svn-props>
- **Checkout the code**
 - <https://svn.apache.org/repos/asf/tuscany/java/sca/>
 - Use svn client or TortoiseSVN
- **Modify a file(s)**
 - Edit modules/pom.xml
 - New files need to be added
 - svn add
- **Check modified files**
 - svn status
- **Generate patch**
 - Svn diff > my_updates.patch
- **Attach the patch to the related JIRA. If a JIRA does not exist, create one.**
 - Make sure you grant Apache License
 - Make sure you mark the flag that says a patch is included
- **Someone in the community will pick up the patch, review it and apply it or ask for more information.**



```
Tuscany Java Prompt
D:\dev\Opensource\Apache\Tuscany\source\java-sca>svn status
M      modules/pom.xml
D:\dev\Opensource\Apache\Tuscany\source\java-sca>svn diff > my_updates.patch
D:\dev\Opensource\Apache\Tuscany\source\java-sca>type my_updates.patch
Index: modules/pom.xml
-----
--- modules/pom.xml      (revision 679955)
+++ modules/pom.xml      (working copy)
@@ -28,7 +28,7 @@
     <artifactId>tuscany-modules</artifactId>
     <packaging>pom</packaging>
     <name>Apache Tuscany SCA Implementation Modules</name>
+
     <properties>
       <tuscany.version>1.4</tuscany.version>
     </properties>
D:\dev\Opensource\Apache\Tuscany\source\java-sca>_
```

How to get JIRAs into releases

I really need this fix. How do I get it into next Tuscany release?



- Release takes a community effort to happen
 - Everyone is asked for their input and help
- Tuscany community tries to do a release every 6-8 weeks
- Make sure there is a JIRA for the problem or the new feature that clearly states the problem, scenario and tests if available.
- Remember this is a community effort. The fastest way to get fixes in is by providing patches otherwise the work gets prioritized against other requests
- Communicate the urgency of the JIRA for being included in the next release

Summary

- Getting involved in Apache Tuscany is easy. No invitation is required. You are welcome to join at any time.
 - Check Get involved
 - Subscribe to the right mailing list and ask questions, provide your input and contribute
 - Plenty of choices:
 - Report problems via JIRA
 - Provide patches
 - Contribute samples, scenarios
 - Provide feedback on the project is working for you
 - Contribute code
 - Help with the website content, documentation
 -

- Any type of contribution is valuable

Apache Tuscany Project Resources

- Portal : Website & WIKI
 - <http://tuscany.apache.org>
 - <http://cwiki.apache.org/confluence/display/TUSCANYWIKI/Home>
- Repository (SVN)
 - <https://svn.apache.org/repos/asf/tuscany/java/sca/>
- Issues Tracking System (JIRA)
 - <http://issues.apache.org/jira/browse/Tuscany>
- Mailing List (user, dev, commit)
 - <http://tuscany.apache.org/mailling-lists.html>
- Downloading Releases
 - <http://tuscany.apache.org/sca-java-releases.html>
- Documentation
 - <http://tuscany.apache.org/java-sca-documentation-menu.html>