



TIBCO ActiveMatrix® Service Grid

Development Tutorials

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Contents

Contents	2
Basic SOA Design Tutorials	3
Policy Tutorials	4
Configuring the ResourceInstance Attribute in an External Policy	4
Preparing an Application that Injects Resource Instances into Policies	4
TIBCO Documentation and Support Services	8
Legal and Third-Party Notices	10

Basic SOA Design Tutorials

Many TIBCO ActiveMatrix SOA development tutorials are distributed as cheat sheets in TIBCO Business Studio. To access the cheat sheets, start TIBCO Business Studio™ - BPM Edition, select **Help > Cheat Sheets**, and expand the **TIBCO SOA Development** node. For tutorials that are not cheat sheets, see the specific tutorial category.

Many of the steps in the cheat sheets open modal dialogs. Once a dialog is open, you cannot expand the view containing the cheat sheet content. To ensure that you can see all the cheat sheet content, before opening a dialog, you can expand the view.

Optionally, you can detach the view so that it can be resized even when a dialog is open.

To access the basic SOA design tutorials, expand the **Basic** folder.

- **Create an SOA Project with an Empty Composite**
Describes how to create an SOA project.
- **Import Projects from an Archive**
Describes how to import projects from an archive file.
- **Import a WSDL File into an SOA Project**
Describes how to import a WSDL file into an SOA project.

Policy Tutorials

Policy tutorials illustrate how to use TIBCO ActiveMatrix policies.

Several external policies require you to configure an attribute named `resourceInstance`. The value of that attribute is not an actual resource instance, but an application that references the required resource instance. The purpose of the application is to inject the resource instance into policies that require it.

When configuring these policies, you must first ensure that the appropriate application is deployed and running on the nodes where you deploy the policy.

To prepare the resource instance and application, see [Preparing an Application that Injects Resource Instances into Policies](#)

To configure the policy to use the application, see [Configuring the ResourceInstance Attribute in an External Policy](#).

The location of the sample policies is `TIBCO_HOME/amx/version/samples/policy/`.

Configuring the ResourceInstance Attribute in an External Policy

Several external policies require you to configure an attribute named `resourceInstance`. When configuring such policies (by copying from the samples), replace the sample value of the `resourceInstance` attribute with the actual name of the application that references (and injects) the appropriate resource instance.

Preparing an Application that Injects Resource Instances into Policies

Procedure

1. Create resource templates of the required types:

Policy	Required Resource Templates
Signing or Decryption	Identity Provider
	Keystore Provider
Signature Verification or Encryption	Trust Provider
	Keystore Provider
Both of the above	Mutual Identity Provider
	Keystore Provider
WssProvider or WssConsumer	WS-Security ASP
LDAP for authentication	LDAP Authentication Provider

2. Create a resource instance from each template.
3. Create governance agent applications that reference the resource instances (one application per resource instance):

Resource Instance Type	Application Template	Application Template DAA Name
LDAP Authentication Provider	TIBCO ActiveMatrix Governance Agent LDAP Authentication Provider App Template	com.tibco.governance.sharedresource.ldap.asp.daa
Mutual	TIBCO	com.tibco.governance.sharedresource.mutual.isp.daa

Resource Instance Type	Application Template	Application Template DAA Name
Identity Provider	ActiveMatrix Governance Agent Mutual Identity Provider App Template	
Identity Provider	TIBCO ActiveMatrix Governance Agent Identity Provider App Template	com.tibco.governance.sharedresource.subject.isp.daa
Trust Provider	TIBCO ActiveMatrix Governance Agent Trust Provider App Template	com.tibco.governance.sharedresource.trust.isp.daa
WS-Security ASP	TIBCO ActiveMatrix Governance Agent WSS Authentication Provider App Template	com.tibco.governance.sharedresource.wss.asp.daa

4. Distribute the applications to the appropriate nodes and run them. Each application that injects a resource instance must run on every node where a policy requires that resource instance.
5. Each application type has a single property that you must set. In the Properties tab of the application, specify the resource instance name as the value of that property. For example, the Trust Provider application has a property named

`TrustIsConnectionFactory`. Set its value to the name of the resource instance that this application injects into policies.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the [Product Documentation website](#), mainly in HTML and PDF formats.

The [Product Documentation website](#) is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the [TIBCO ActiveMatrix® Service Grid Product Documentation](#) page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our [product Support website](#).
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the [product Support website](#). If you do not have a username, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

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requests from within the [TIBCO Ideas Portal](#). For a free registration, go to [TIBCO Community](#).

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