

InjectASOIntoService

NOTE: This is outdated information that applies only to Tapestry 4.

How to inject an Application State Object (ASO) into a Tapestry service

Instead of injecting an ASO directly into a Tapestry service, we need to inject an `ApplicationStateManager` and use the `ApplicationStateManager` to retrieve the desired ASO. Suppose you would like to inject the ASO message into the service `asoService`. The following piece of `hivemodule.xml` shows how it could be done.

```
hivemodule.xml:

<contribution configuration-id="tapestry.state.ApplicationObjects">
  <state-object name="message" scope="application">
    <create-instance class="man.aso.HelloMessage"/>
  </state-object>
</contribution>

<!-- Inject ApplicationStateManager into service asoService -->
<service-point id="asoService" interface="org.apache.tapestry.engine.IEngineService">
  <invoke-factory>
    <construct class="service.ASOService">
      <set-object property="exceptionReporter" value="infrastructure:requestExceptionReporter"/>
      <set-object property="response" value="infrastructure:response"/>
      <set-object property="linkFactory" value="infrastructure:linkFactory"/>
      <set-service property="appStateManager"
        service-id="tapestry.state.ApplicationStateManager"/>
    </construct>
  </invoke-factory>
</service-point>
```

In the .java file of the Tapestry service `asoService`, add the setter/getter method for property `appStateManager` :

```
private ApplicationStateManager appStateManager;

public ApplicationStateManager getAppStateManager() {
    return appStateManager;
}

public void setAppStateManager(ApplicationStateManager appStateManager) {
    this.appStateManager = appStateManager;
}
```

To access the ASO message in the `asoService` :

```
HelloMessage message = (HelloMessage) getAppStateManager().get("message");
```