

Turnstile Kit Extensions Points

Project Implementation

Connect5 Design

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# Overview

There are several hook points built into the AgencyConnect Orchestration Layer. The framework level hook points (Figure 1) allow you to customize initialization, security and request handling. The component level extensions (Figure 2) let you implement your own virus validation, authentication and identity assertion.

|  |  |
| --- | --- |
| Figure 1 - Framework Level | Figure 2 – Component Level |

# Extensions

### APPlatformServlet

This servlet is configured in **web.xml** to load on startup of the server (see code below). If you wish to implement your own custom initialization you should extend this base class and override the **customInit(ServletConfig)** method. To configure your class over the built in one; simply change the class specified in the **<servlet-class>** element below.

<servlet>

<display-name>Platform Admin Servlet</display-name>

<servlet-name>PlatformServlet</servlet-name>

<servlet-class>com.agencyport.substrate.platform.APPlatformServlet</servlet-class>

<init-param>

<param-name>ENVIRONMENT</param-name>

<param-value>env</param-value>

</init-param>

<load-on-startup>1</load-on-startup>

</servlet>

### SubstrateSecurityFilter

This filter is configured in **web.xml** (shown below) to filter all requests to the **upload.jsp** page. This base class should be extended to implement custom authorization. By default the **processRequest(HttpServletRequest)** method validates that there is a USERINFO request parameter. To configure your class, just change the **<filter-class>** element below.

<filter>

<description>AgencyPort Security Interface Servlet Filter</description>

<display-name>SubstrateSecurityFilter</display-name>

<filter-name>SubstrateSecurityFilter</filter-name>

<filter-class>com.agencyport.substrate.fileupload.SubstrateSecurityFilter</filter-class>

</filter>

### RequestHelper

This class is configured in **framework.properties** (shown below). The method **postBuildRequest(SOAPMessage)** should be overridden to add extra data to the SOAP body.

**file\_upload\_helper\_classname**=com.agencyport.substrate.fileupload.RequestHelper

### VirusValidation

This class is configured in **framework.properties** (shown below). The method **execute(String, TransactionData)** should be overridden to implement custom virus validation. By default this method returns the XML structure for ‘no virus detected’ (see design document for specification). The first parameter is the virus validation URL defined in **framework.properties** below.

**virusValidationTransport**=com.agencyport.substrate.custom.VirusValidation

**virusValidationEndpoint**=http://localhost:8080/stub/VirusValidation

### CustomAuthentication

This class is configured in **framework.properties** (shown below). The method **performAuthentication(TransactionData, String, String)** should be overridden to perform custom authentication. The second and third parameters are user name and password. By default this class creates an empty attribute called **com.agencyport.securitytoken** which is used later in the call to upload writer and file attachment services.

**customAuthentication**=com.agencyport.substrate.custom.CustomAuthentication

### CustomIdentityAssertion

This class is configured in **framework.properties** (shown below). The method **assertIndentity(TransactionData, String)** should be overridden to assert valid authentication. By default this class check for the presence of the **com.agencyport.securitytoken** attribute.

**customIdentityAssertion**=com.agencyport.substrate.custom.CustomIdentityAssertion