Policy Search Integration

Overview

In this lab, you will replace the base application's demo policy search-and-retrieval plugin with a partially completed plugin. You will then complete the policy search portion of the plugin for the Personal Auto line of business.

This lab should be done on ClaimCenter and involves integrating with ExternalApp, which will serve as a Policy Administration System.

To run ExternalApp, navigate to c:\Guidewire\ExternalApp and double-click the ExternalApp shortcut. The start-up process is complete when the message "\*\*\*\* ContactManager ready \*\*\*\*" appears in the console.

Preparing the environment

Connecting to ExternalApp

This lab requires ClaimCenter to be configured to connect to ExternalApp using the correct port. This is done using a "suite-config.xml" file, as described in the "Authentication Integration" lab. If you skipped that lab, you must still downlod and add the "suite-config.xml" file for this lab. Refer to the "Authentication Integration" lab for instructions on how to do this.

Loading the partially complete PAS integration

This lab makes use of a "PASintegrationWithExternalApp.zip" file, which includes the following:

* A web service collection that references ExternalApp's PolicyAPI web service.
* The "AcmeIPolicySearchAdapter" class and a set of related classes, which contain a custom policy search plugin for the Homeowners line of business.
* A plugin registry entry for the "AcmeIPolicySearchAdapter" class.

Complete the following steps to load the ExternalApp policy search adapter:

Download and unzip "PASintegrationWithExternalApp.zip". The file contains a "configuration" directory.

Copy the configuration directory into your ClaimCenter/modules/ directory. This will copy the ExternalApp policy search adapter files into ClaimCenter/modules/configuration.

Restart ClaimCenter and Studio.

Start the New Claim wizard. On the first step, search for Homeowners policies. You should see the following five policy summaries:



Tasks

The AcmeIPolicySearchAdapter currently does policy search only for the Homeowners line of business. For personal auto, it calls the acme.cc.plugin.policy.PersonalAuto class's searchForPersonalAutoPolicies() method, but this method currently does nothing.

The acme.cc.plugin.policy.LegacyPolicyWSC web service collection references the PAS's PolicyAPI web service. The method for querying for auto policies. It has the following syntax:

searchForPersonalAutoPolicies ( *policyNumber : String* , *policyHolderName :*

*String , lossDate : Date* ) : *PASPersonalAutoPolicySummary[]*

* Each of the input values is used as a search criteria in ExternalApp.
* The return value is an array of PASPersonalAutoPolicySummary. This class is defined by the PolicyAPI web service. The xsd for this class appears below:



1. Modify the acme.cc.plugin.policy.PersonalAuto class's searchForPersonalAutoPolicies() method so that it meets the following conditions:

* It queries for personal auto policies using the PolicyAPI web service.
* It submits the policy number, policy holder name, and loss date to the PAS if any of those values have been provided in the search criteria. (The policy holder name should be a concatenation of the First Name, a space, and the Last Name, such as "John Smith". If either First Name or Last Name is null, then no policy holder name should be passed to the PAS.)
* It populates the following fields in the PolicySummary
  + PolicyType
  + PolicyNumber
  + InsuredName
  + Address
  + City
  + State
  + PostalCode
  + EffectiveDate
  + ExpirationDate
  + Status (do not use a value from the external PAS - simply set this to "inforce")

Testing

ExternalApp must be running in order for you to test your work.

1. Ensure that the original code still works by executing a search for the Homeowner's line of business. You should get back test results:



Search for all personal auto policies:



Search for all personal auto policies with a policy number "PA-000001":



Search for all personal auto policies belonging to Frank Woo:



Search for all personal auto policies with a loss date of "04/16/2011":



Search for all policies (homeowners and personal auto) belonging to Betty Young:

