README

Technical Requirements: External Software MySQL DBMS 5.1 or later. JavaSE-1.6 or later.

Set the parameters in the **xcreate.properties** file.

Tool input type(s): XACML 2.0 policy

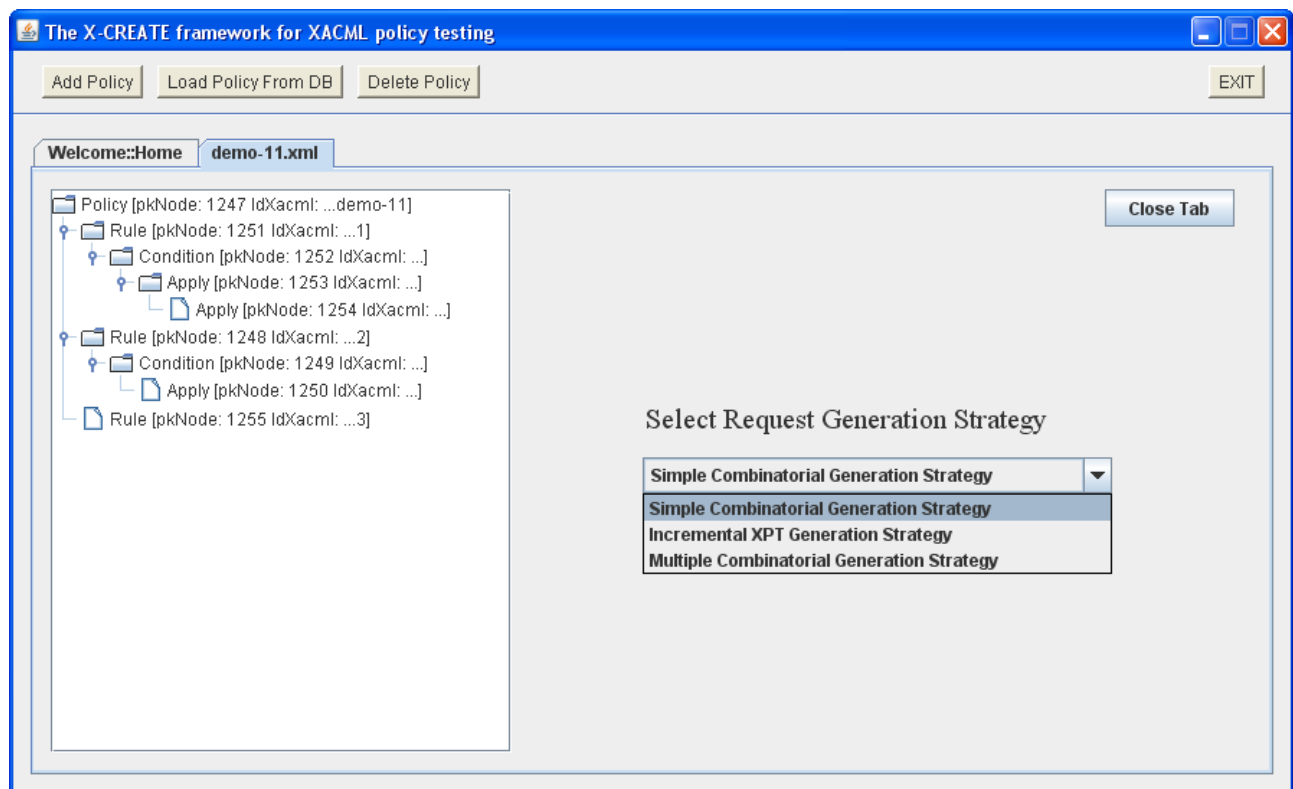**Tool output type(s)**: set of XACML requests

Figure 1 Main X-CREATE interface

Usage example

After running X-CREATE, the Temp_X-CREATE directory is created. The tables in the DB are created or their consistency is checked. The main X-CREATE interface will appear (see Figure 1). By this interface a XACML input policy can be added or deleted in the DB or loaded from the DB. The user can select one of the following requests generation strategies: Simple Combinatorial, Incremental XPT and Multiple Combinatorial.

By the interface the user can select if he/she wants to insert random values in the generated requests.

In the Temp_X-CREATE directory, a PolicyName directory is created for the PolicyName input policy. In case of Incremental XPT generation strategy, X-CREATE allows for selecting the

intermediate requests that are needed for applying this XACML Context Schema-based strategy. These intermediate requests are contained in the INTERMEDIATE_INSTANCES directory.

In the PolicyName directory, the final generated XACML requests are stored in a StrategyName directory. In case of Incremental XPT generation strategy, two StrategyName directories are created containing respectively the original generated requests and the modified ones in order to run on the SUN'PDP.