

## GuardianDPG 1.0: The Data Profiler Generator

The following is a description of the features included in version 1.0 of the GuardianDPG Data Profiler Generator.

### Overview

GuardianDPG is a development environment for incrementally defining sets of patterns that characterize the different forms abstract data types. Considering the many different ways that telephone numbers, dates, or even names can be represented, GuardianDPG collects multiple abstract patterns into a single pattern set to capture all forms of any abstract data type. GuardianDPG automatically generates Java code that can match data values against sets of defined patterns, as well as parsing individual subcomponents. GuardianDPG represents pattern sets using XML, while generating executable code in Java.

### Supported Platforms

The GuardianDPG Pattern Editor is developed in Java and is designed to run on any platform that supports Java, including:

- Windows 98/NT/2000

- Solaris
- Linux

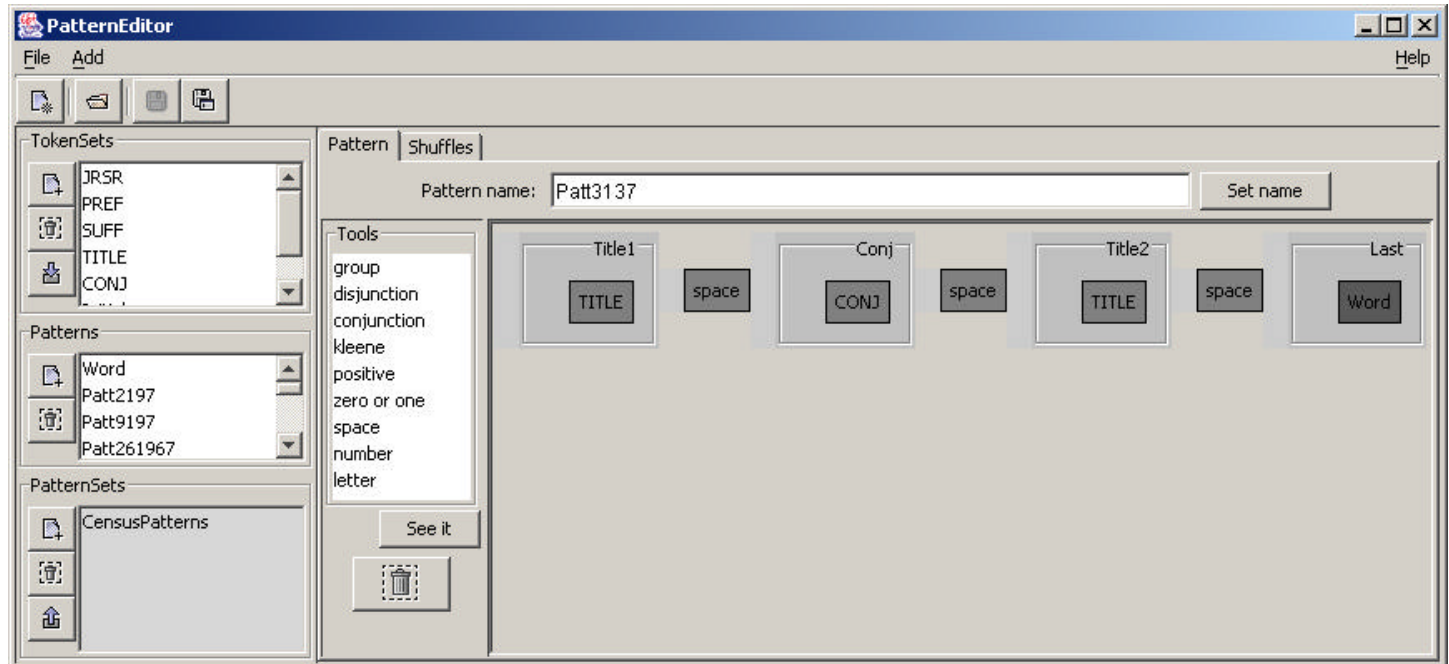
The GuardianIQ Runtime Class Library requires having the Java 1.4 (or higher) SDK and Java Runtime Environment installed.

### Pattern Set Specification

- User-defined enumerations of defined data tokens
- Visual editing of regular expression-based patterns
- Support for conjunction, disjunction, closures
- Allows user to define parsing and extraction directives

### Code Generation

- Each pattern set is transformed into a Java class
- API hooks for Java callbacks



### For More Information

For technical questions and pricing quotes, contact David Loshin (loshin@knowledge-integrity.com)

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**GuardianDPG**

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