ATF (Ample Traceability Framework) Purpose

This the core of the traceability framework which is centred around a traceability metamodel. The core consists of functionality to initialize the framework and to grant access to the contained trace data. The trace data is held in a trace repository, which contains all the specific data necessary to a certain use case for tracing activities. In particular, it contains: a set of artefact and link types, as well as their allowed relationships among each other; artefacts and links as relations between more appropriate properties; and, context objects that form the rationale for the existence of all trace elements. The main entrance points to the framework is a set of manager classes. Each trace repository is controlled by a so-called RepositoryManager, which grants access to other managers tailored to various facets of the work with such a repository. Namely these are a PersistenceManager, a TypeManager, an ItemManager, an ExtractionManager and a QueryManager, providing functionalities for common tasks and shielding the framework from unintended misuse, that may jeopardize the consistency of the stored trace information. The framework profile is highly configurable and it supports static and dynamic addition of new artefact and links types, and allows hierarchy of types to be defined.

More details can be found in the D4.2 deliverable (Traceability tab) and in the Sosym paper http://www.springerlink.com/content/wvm4hv8r78117785/ and the plugins (help > search contents).

Requirements: Eclipse 3.4, Java 1.6.