Name: Mae

Presenter(s): Roshanak Roshandel

Objective: To provide functionality for managing the evolution of architectural artifacts

Rationale: Configuration Management techniques have only been applied to the source-code. In order to manage architectural artifacts, we need to understand the architectural changes during evolution, capture them, and analyze the architecture at each stage to ensure its properties are preserved.

Target Users: Software architects, Software developers

Scope: Software architecture, configuration management, software evolution

Project Type: Design and Analysis tool

Runs On: Any platform that runs Java

IPR Status: Copyright owned by USC-CSE

Technical Approach: Support for architecture based software development; XML-based, style neutral architectural specification, pluggable structural and behavioral analysis

Developers: Roshanak Roshandel, Ebru Dincel

Future Directions: To add new and enhanced analysis to the tool

Demo Description: Demonstration of the functionalities developed for tracking architectural changes, and structural and behavioral analysis in the context of a military troops deployment application.