Architecture-Driven Modernization Task Force Charter

February 6, 2004

Djenana Campara (klocwork) moves to charter the Architecture Driven Modernization (ADM) Platform Task Force.

Definition

Architecture-Driven Modernization (ADM) is the process of understanding and evolving existing software assets for the purpose of

- Software improvement
- Modifications
- Interoperability
- Refactoring
- Restructuring
- Reuse
- Porting
- Migration
- Translation into another language
- Enterprise application integration
- Service-oriented architecture

Modernization starts where existing practices fail to deliver against business objectives.

ADM restores the value of the existing application as it extracts and leverages the investment in the intellectual property of the existing software to deliver new solutions that address changed business requirements.

ADM Standards will allow users to begin transformation projects knowing that there is interoperability between different tool vendors. Standardization will ensure that end users are investing not just in individual tools, but also into a coordinated strategy.

Mission Statement

The mission of the ADMTF is to create specifications and promote industry consensus on modernization of existing applications.

The road map to successful modernization consists of the following meta-models:

- Knowledge Discovery Meta-model (KDM) - a standard repository data structure (meta-model) as the central part of the specification for representing existing software assets
- Target models (both platform-specific and platform-independent)
- Source-to-Target mapping models, addressing various specific classes of transformations – may need to extend KDM for specific transformation
- Metrics extension to KDM

This road map will be achieved through multiple RFPs.

Currently issued Knowledge Discovery RFP. The rest of the road map is subject to change.

Goals

The proposed standardization initiative will leverage OMG existing standards and the Model Driven Architecture (MDA) approach to

- Make existing applications more agile
- Consolidate best practices leading to successful modernization with ultimate goal of revitalizing existing applications.

Organizing Chairs

- Djenana Campara, klocwork Inc.
- William M. Ulrich, Tactical Strategy Group, Inc.