

Application Transformation Mentoring

Application Transformation is about changing organizations, people, processes, architecture and technologies.

HIGHLIGHTS

Progress has created Application Transformation Mentoring to assist partners with their own application transformation using a mentoring and monitoring approach.

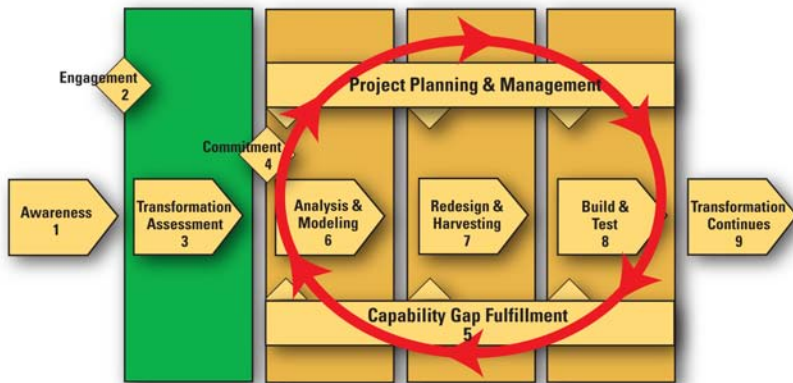
Application transformation defines the process of changing organizations, people, processes, and architecture for the purpose of business and technology growth. Although Application Transformation projects are very similar to new application development, there are differences. The starting point with a transformation project is most likely one or more existing applications that are based on and use a variety of architectures and technologies. In addition, partners may need to support multiple versions and/or have end-users on a customized version of the application. Clearly, a transformation project is more complex with higher risks than a regular development project, but these risks are minimized with proper planning.

In an Application Transformation Mentoring project, you will be assisted by the Progress Application

Transformation Group to manage these risks by using a mentoring and monitoring approach while you conduct your transformation project. An Application Transformation Mentoring project is clearly differentiated from a regular Progress Professional Services engagement, because the goal of the mentoring project is not to complete the project for you, but to teach and guide you while you complete the project.

The Application Transformation Mentoring Project

Application Transformation Mentoring projects utilize the OpenEdge™ Reference Architecture as the foundation for the Application Transformation Approach from Technical Empowerment. The diagram below represents this approach:

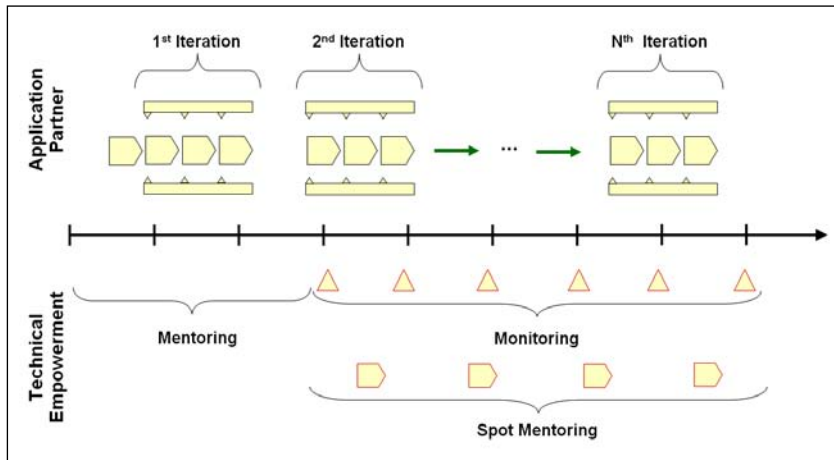


A complete partner transformation project can take 8-36 months or longer, depending on the requirements and starting point. Therefore, for you to be able to manage the project, reduce risks, and gain the required expertise in your development team, it is recommended to split the total pro-

ject in multiple smaller iterations. While being on site with you, your mentor (Progress Technical Architect) will guide your development team through the first iteration of the project. The mentor will then help your development team start the 2nd iteration of the project and monitor it periodically

off-site to ensure it is being implemented successfully. The picture above shows the iterative process of the 3 phases: Analysis & Modeling, Redesign & Harvesting, and Build & Test. Below are detailed accounts of the objectives and deliverables of each phase.

Transformation Assessment	
Objective	Formulate an effective application transformation plan that aligns with business goals
Deliverables	Proposed Project Charter, including: <ul style="list-style-type: none"> - Statement of Business Goal - Project Scope and Objectives - Project Mentoring Approach - Preliminary Project Plan - Business Overview - Technology Overview - Application Overview - Application Requirements Detail - Project Schedule Detail - Skills Assessment and Training Plan
Analysis & Modeling	
Objective	To compile an inventory of physical legacy artifacts that may feasibly be harvested and reworked for reuse in the modernized application. To capture and develop a set of logical models that represent the legacy application.
Deliverables	Harvest Plan <ul style="list-style-type: none"> - List of identified harvest-able components - Prioritized by harvest rating - Referenced by use case - Harvest approach and methods Redesign Plan <ul style="list-style-type: none"> - List of use cases to be redesigned - List of applicable logical and dynamic models - Target design pattern, redesign approach and methods
Redesign & Harvesting	
Objectives	To transform the logical models captured from the legacy system into logical models of the modernized application. To extract and rework the physical legacy artifacts that were identified and listed in the Harvest Inventory during the Analysis & Modeling phase for use by the modernized application.
Deliverables	Design Specification Document Set of reusable software components
Redesign & Harvesting	
Objectives	To create the transformed application functionality from the redesigned logical models and the harvested legacy components
Deliverables	Transformed application functionality that is usable, functional, reliable, supportable and performs efficiently



Summary

The Application Transformation Approach, Assessment, and Mentoring Project were created to assist Progress partners in their effort to transform their existing applications into highly competitive applications using the OpenEdge™ Reference Architecture and latest technologies as the foundation.

Call your Progress Account Manager to coordinate the resources you need to get your Application Transformation Mentoring Project started.

Throughout the whole of the transformation project, you remain the owner and leader of the project. Your development team is mentored throughout the entire first iteration. Once the first iteration is completed, the mentor helps your development team start up the second iteration using the same transformation approach, and periodically monitors the process of the partner.

A second iteration could be as simple as a next functional module but it

could also be adding additional technology such as a web service to the already componentized and separated logic from the first iteration. When needed throughout a project, the mentor may do some specific “spot mentoring.” Although the objectives and goals in the second iteration may vary, it would not change the approach or method of how to transform an existing application to a new modernized application based on the OpenEdge™ Reference Architecture.

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