

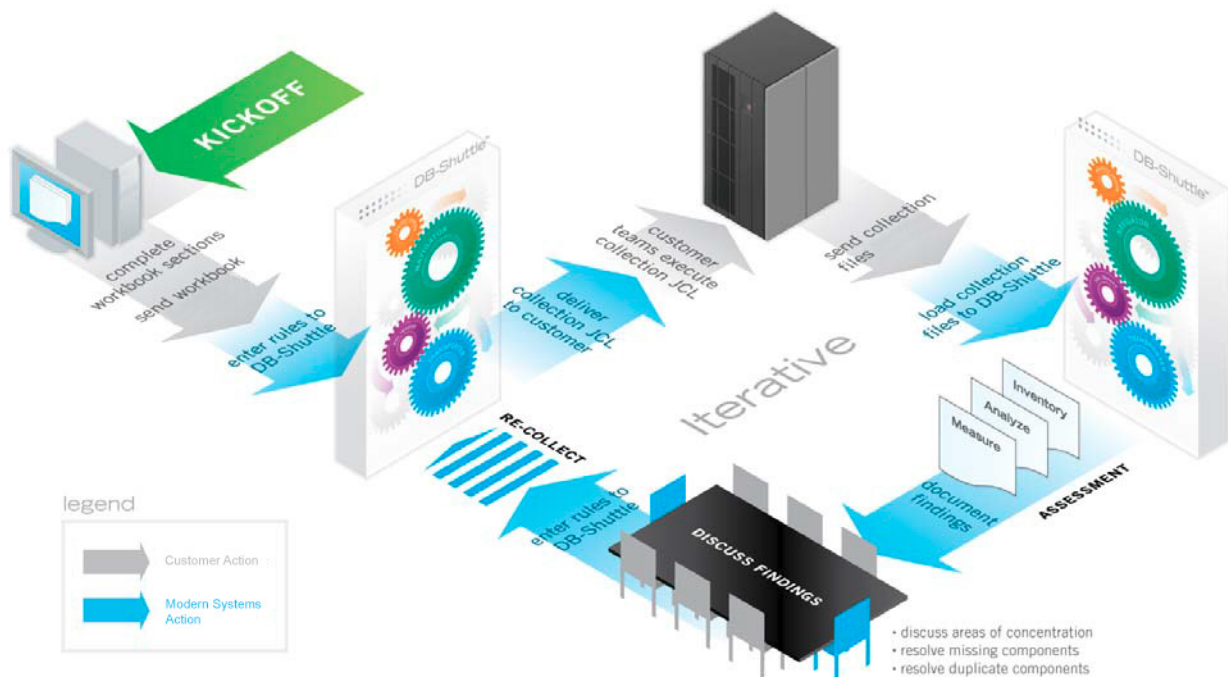
Mainframe Assessment

In the Mainframe Assessment phase, goals and areas of concentration are fully defined before beginning the modernization. Modern Systems uses DB-Shuttle™ automation technology to perform a very detailed, targeted analysis of the entire mainframe application portfolio. This analysis provides the ability to fully define the project plan including assignments, responsibilities, timeframes, and costs.

Overview

The Mainframe Assessment is a complete research and analysis project that outlines all mainframe application and database refactoring candidates. Components are classified and listed in detail. Notes are attached to components requiring special attention during the refactoring process. All application components are inventoried, classified by language, and cross-referenced. Missing components are collected and added to the inventory. Duplicate components residing in multiple customer repositories are eliminated from the inventory. The Mainframe Assessment results in a complete understanding of the current processing environment.

Modern Systems designed and developed its DB-Shuttle automation technology to allow preliminary conversion of the database design and application software during the Mainframe Assessment. This preliminary conversion further defines areas of concentration and is used in preparation of the project plan for the full modernization. It also proves the conversion concept and identifies any special requirements for a successful modernization. No converted code is delivered as part of the Mainframe Assessment. All of the collected source code is parsed down to the line and field level and stored as metadata in the DB-Shuttle database. Portions of this source code metadata can be packaged and made available to the customer teams for additional analysis if desired.



Mainframe Assessment

Process

The Mainframe Assessment phase is a well-defined process that includes automated collection, inventory, analysis, and measurement of all software and database components in the current customer environment. The Mainframe Assessment begins with a question-and-answer session and ends with the presentation of findings and plans for the modernization effort. Iterations of re-collection and re-assessment may be required and performed as additional components are identified and brought into the assessment scope. The DB-Shuttle assessment process is 100% automated, so it is fast, simple and comprehensive.

Deliverables

The Modern Systems Mainframe Assessment results in a well-defined plan for the modernization project including costs, timelines and a project map detailing concept to deployment. Both high-level and detailed assessment reports are presented to appropriate customer team members for discussion.

Tasks

The Modern Systems Mainframe Assessment process includes tasks that simplify, summarize and define the project:

- Presentation of both technical and business findings
- Definition of the overall Customer processing
- Details of missing and duplicate components
- Summarization of areas requiring special attention during conversion
- Documentation of all areas of concern
- Organization of primary findings into an Executive Summary
- Disclosure of recommended actions

Reports

The Modern Systems Mainframe Assessment produces a complete set of reports that is based upon the source code and database environment. Some of these reports include:

- Component List Detail and Summary
- DML Usage Detail, Matrix and Summary
- Duplicate Components
- File Usage by Batch Program, Dataset Name and Online Program
- Logical Application by Logical Application
- Logical Applications by Component - Detail , Matrix and Summary
- Logical Applications Matrix
- Logical Applications Message Detail
- Missing Component Detail and Summary
- Resolved Component Dependency
- Subschema Logical Record Detail and Matrix
- Subschema Record Matrix
- Subschema View Matrix
- MU and PE Occurrence Mining
- Bill-of-Material Structures
- Multi-member Sets
- Natural Version Usage
- FDT to DDM Cross-Reference
- TOPS (Online and batch application entry points)