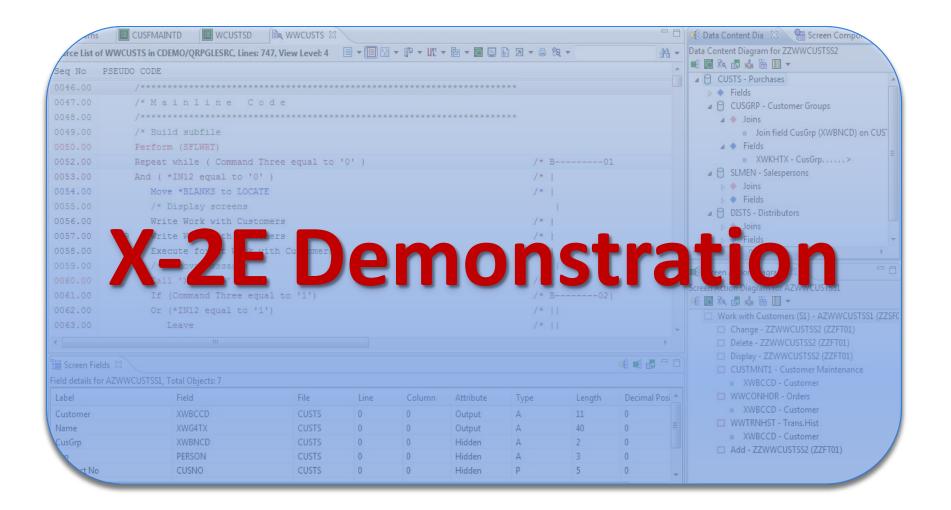
X-2E Application Discover



X-2E Professional

X-Analysis Application Discovery

• Cross-Referencing

Object/Variable/Field/Visual/multi-level

• Source Code Analysis

flow charts/pseudo code/interactive/color coded

Graphical Documentation
 structure charts/data flow/screen flow/internal

Data Model Analysis

foreign keys extraction/ERD/DDL export/constraints/DDS-2-DDL

Business Rules Analysis

business rules extraction/where used/annotation/rules narrative/process mapping

• UML Generation

Activity/Use case/Class diagrams

• Application Metrics

complexities/problems/application areas

- Entities & Relations
- Data Dictionary
- Interactive Functions
- Internal Functions
- External Functions
- Action Diagrams

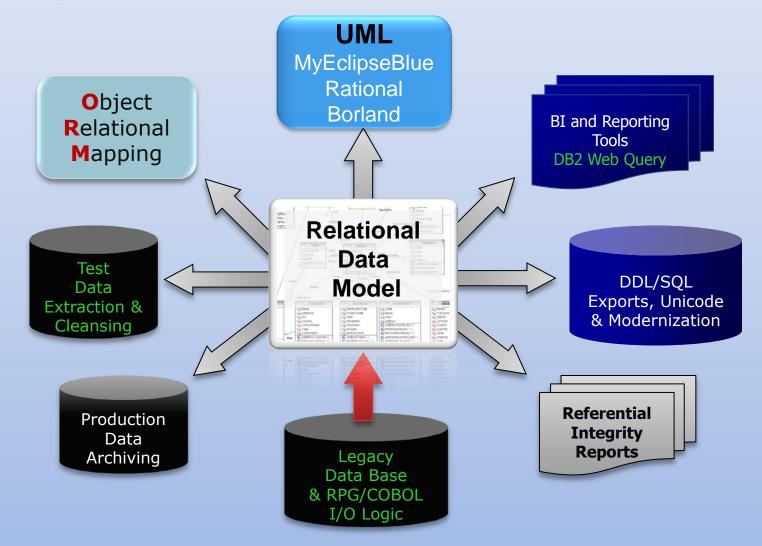


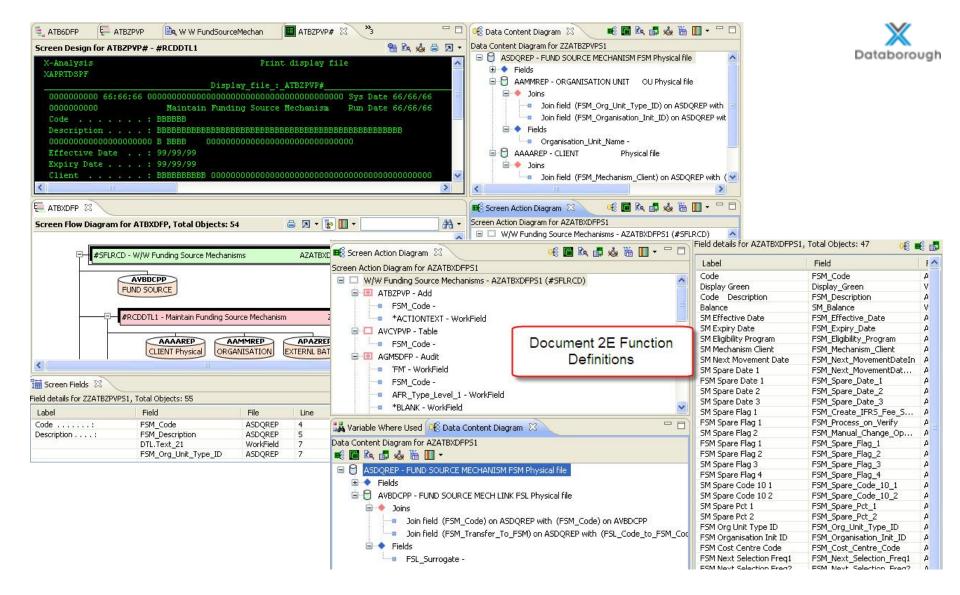


Relational Data Model	 Auto Extracted from Code/CA:2E Relational & Physical Date Fields
Business Rule Logic	 Validations/Calculations Summaries/Narratives/Annotations Indexed Database & Mapped to Functions CA:2E Action Diagram Logic Extraction
UI/Print Functions	 Screen Formats/Layouts/Fields/Files/Attributes Screen Actions Flow ORM Mapped to UI Conditional Field/UI/Flow Logic

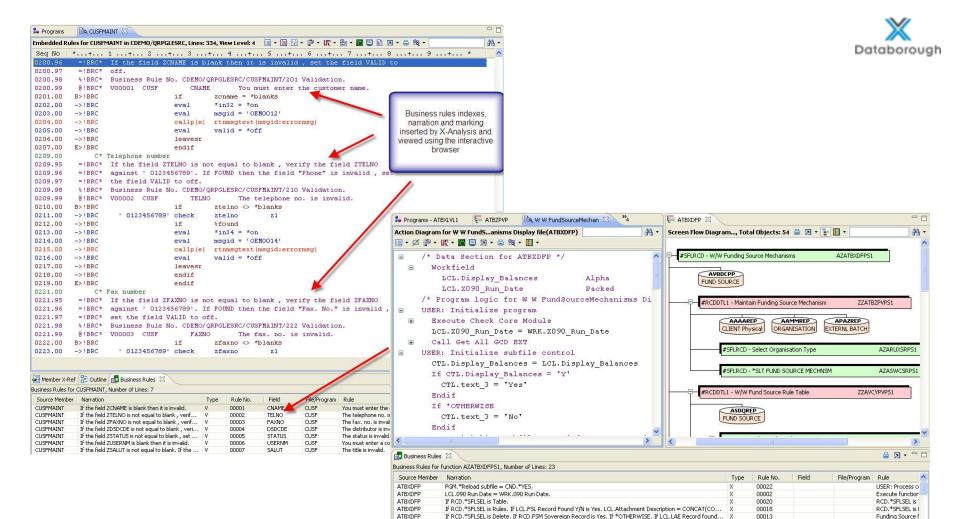
Application Discovery

Using the Derived Relational Model





Design Recovery Documentation



If RCD,*SFLSEL is Change or Display.

If RCD.*SFLSEL is Action=5.

00012

00019

RCD.*SFLSEL is !

RCD.*SFLSEL is

5

ATBXDFP

ATBXDEP

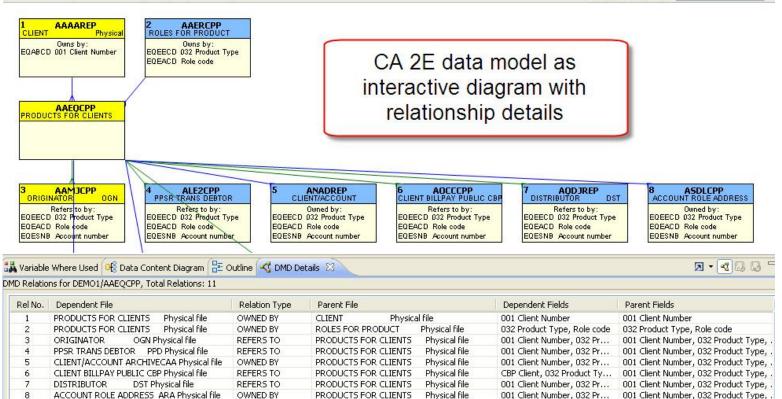
1

Business	Logic Ana	lysis
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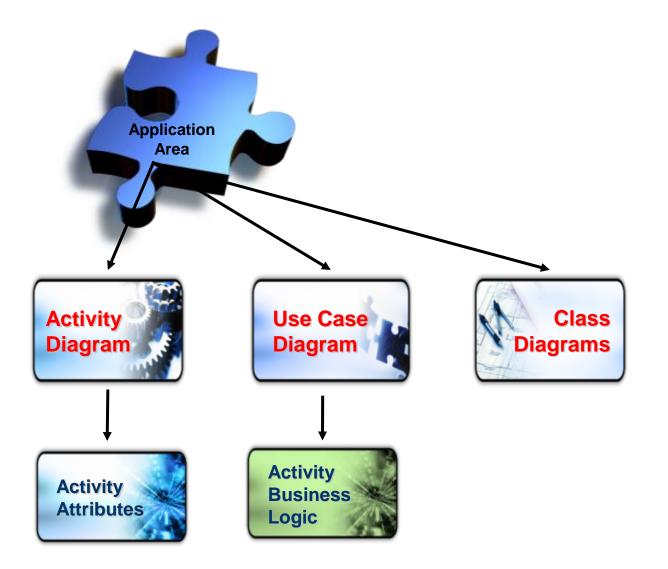


4

Data Model Diagram for DEMO1/AAEQCPP, Total Objects: 12

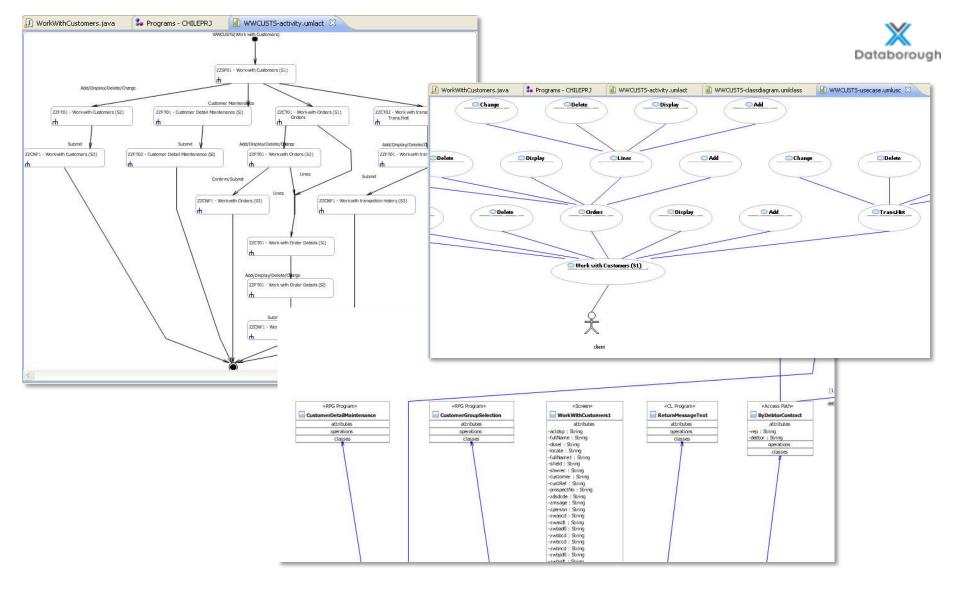


Data Model Analysis





UML Diagrams & UML Extensions



UML Diagrams S-Shots



- Scientific Forensics
- System wide perspective
- •• Visualization
- Non Expert Inclusion
- Explicit Information
- Quality of Communication

Summary Benefits of Analysis