

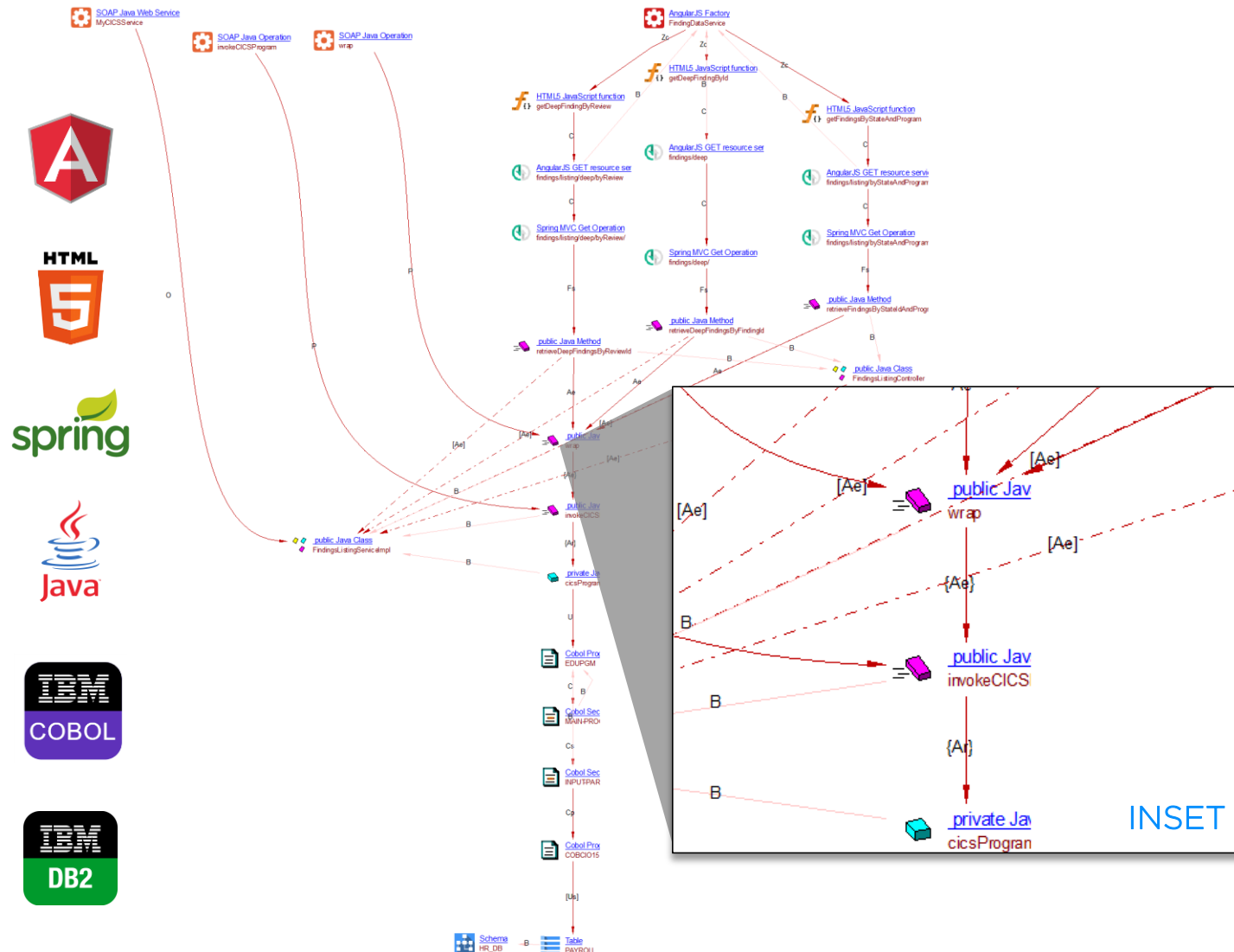
Road to Modernization

Build Understanding and Accelerate Modernization

Discover and Understand Complex Systems



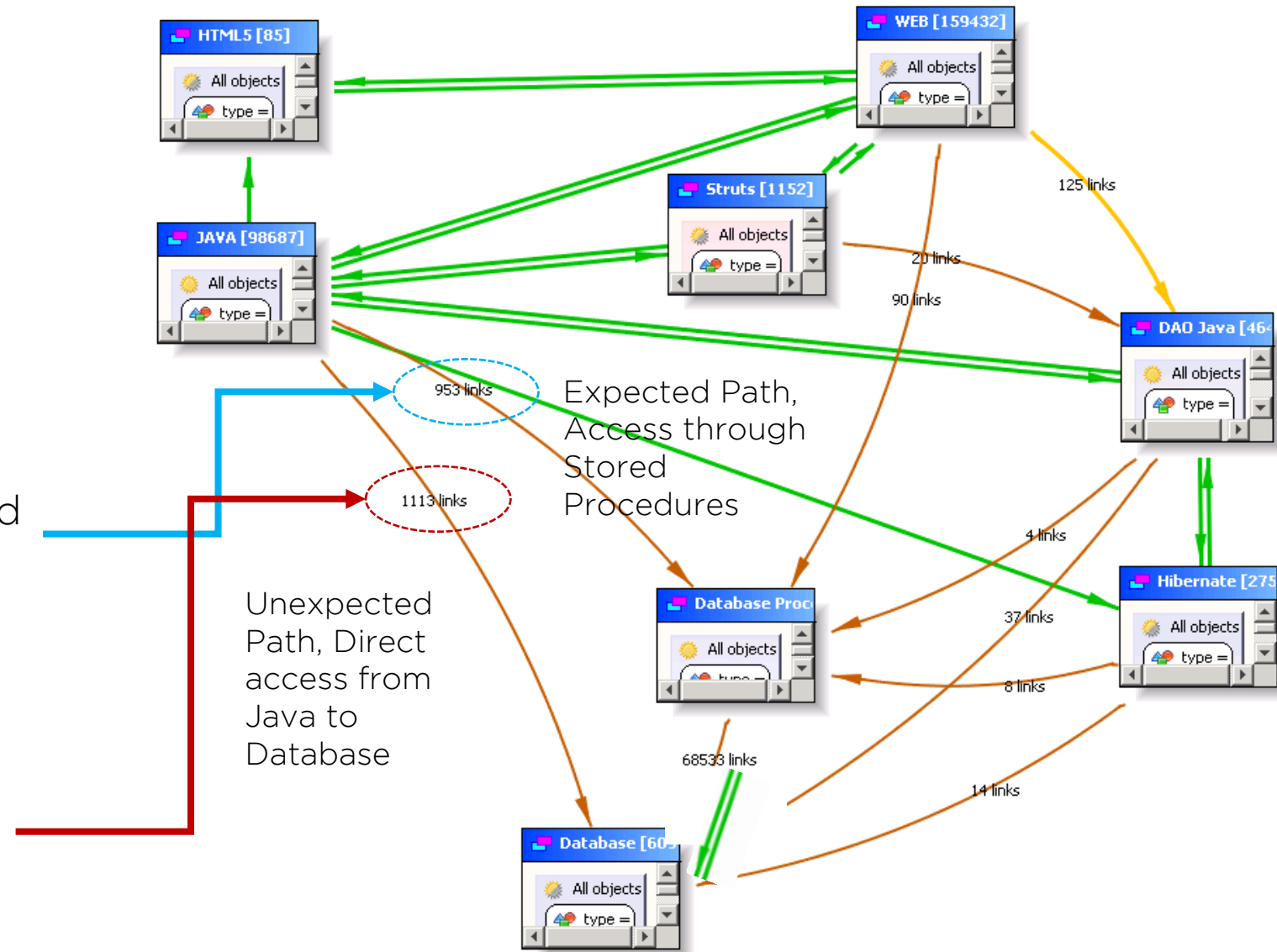
- See your entire application with an in-depth mapping of artifacts, files, libraries, and databases



- Support architecture refactoring (coupling/decoupling) decisions
- Modernizing components, frameworks, or the entire system
- Create an informed phased modernization plan

Planning a Database Migration

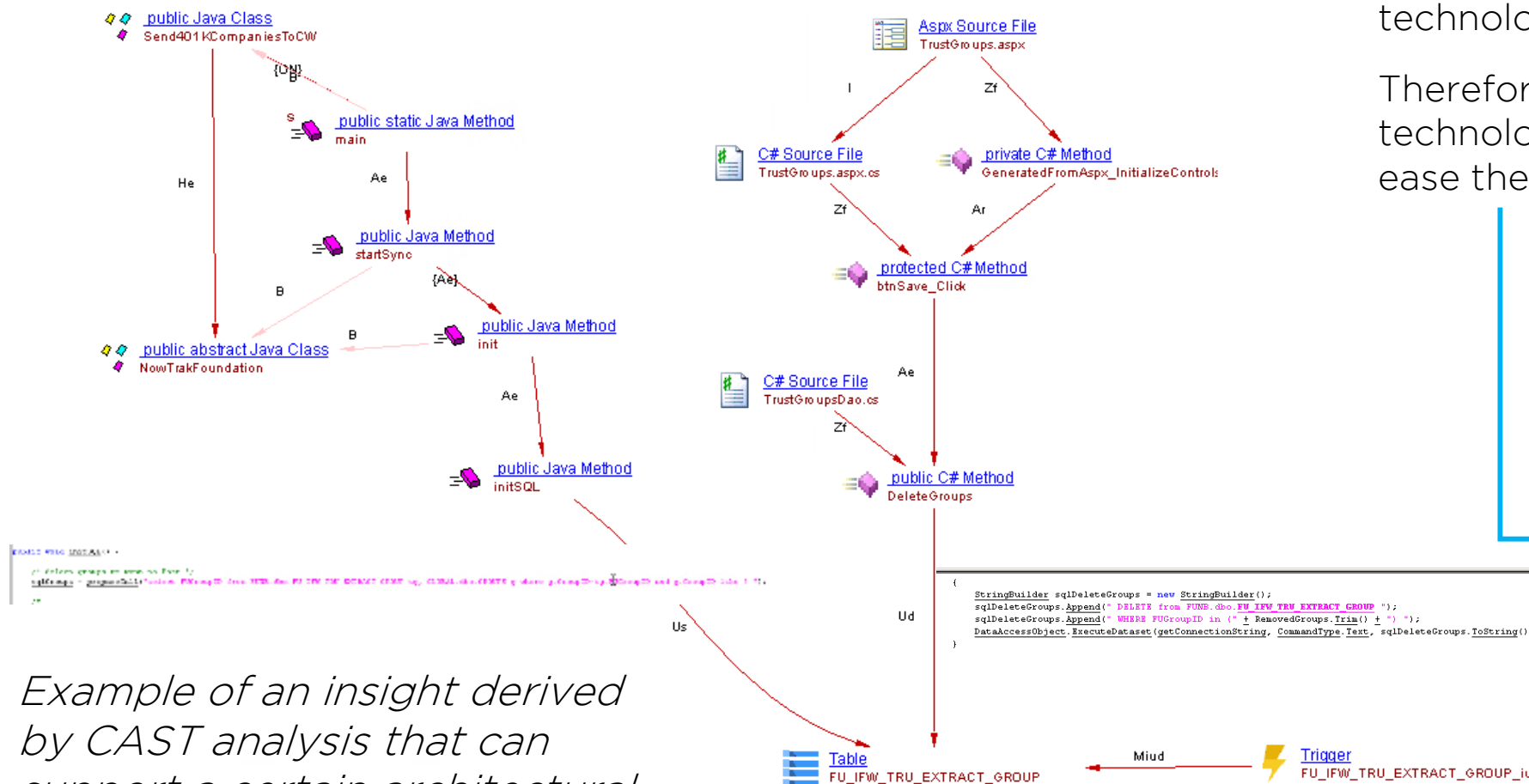
1. Defined current architecture and create visual map
2. Quantify the Number and Scope of Dependencies to the Database
3. Identify Risky Dependencies and Make a Plan on how to Treat



Identify the Drivers of New Architecture

Significant number of tables are selected or updated by more than 2 different technology.

Therefore it is important to create a technology-agnostic services layer to ease the migration of the new database



Example of an insight derived by CAST analysis that can support a certain architectural design.

	object_name character varying(255)	techno bigint
1	SCHEDULE	4
2	TRANSFER	4
3	CONTACT	4
4	PRFUND	3
5	PROCESS	3
6	EE MASTER	3
7	FU AE PLAN RULE	3
8	GFUND	3
9	GROUPS	3
10	participant	3
11	FU FEES PLAN INVOICE FEE	3
12	FU PLAN RULE EXT	3
13	REQUEST	3
14	PRGROUP	3
15	PRMT	3
16	ADMINISTRATION	3
17	FU FEES BOB INVOICE	3
18	PRGEN	3
19	FU FEES PLAN FEE SCHED	3
20	SITE INFO	3
21	error	3
22	APPLICATION	3
23	BOBDEF	3
24	FU MTS USER AUTH	3
25	FU FEES PLAN BASE FEE	3
26	MATCH	3
27	TXN	3
28	FU COMMON CODE	3
29	FU FEES PLAN INVOICE	3
30	PLAN AUTHORIZATION	2
31	FU MA PLAN RULE	2

- Define *to-be architecture* and check compliance
- Generate development tasks from discovered violations
- Identify areas that could benefit from re-work or enhancement
- Guide development work with technical blueprints
- Use metrics to track risks during transformation journey

