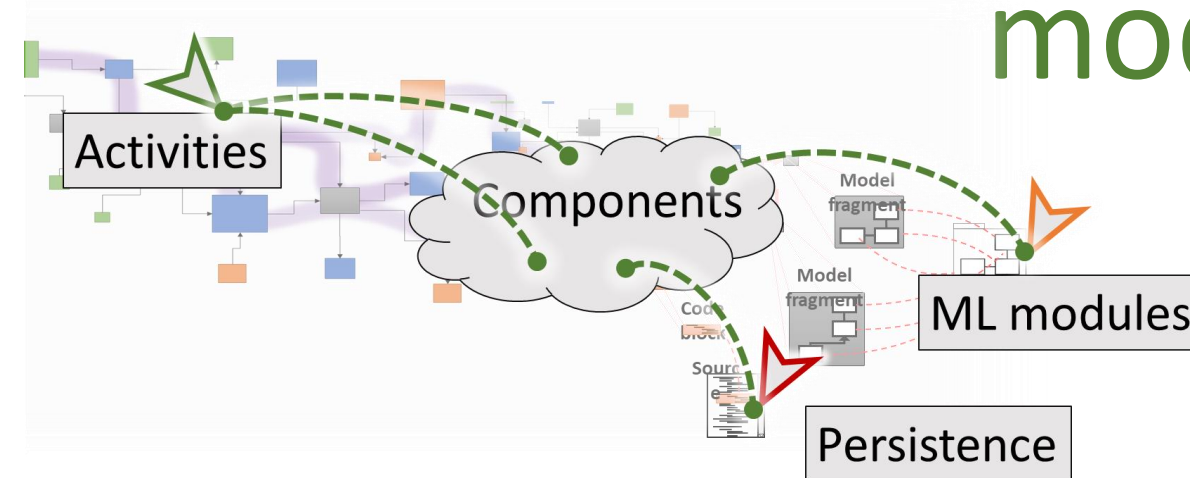


TraceaML – Usage scenario

Energy consumption analysis: from activities to ML/DB calls

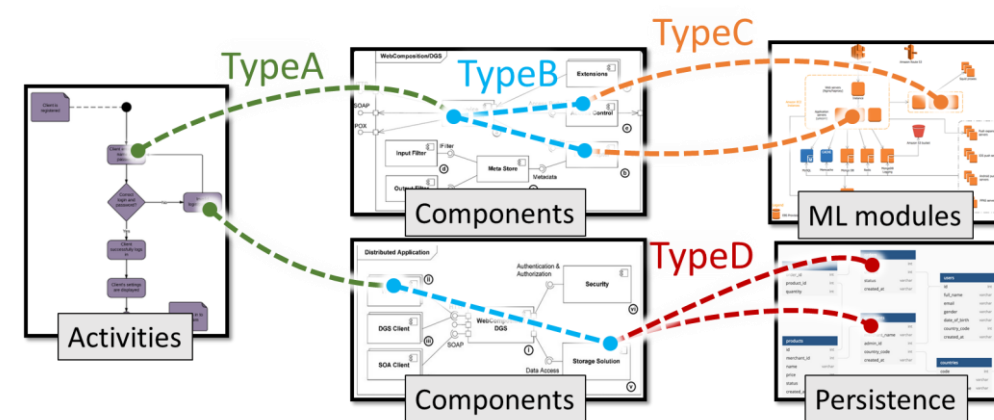
Identify high consumption modules



1. Problem definition

- Trace energy consumption from activities to ML/DB modules
- Undefined component chains

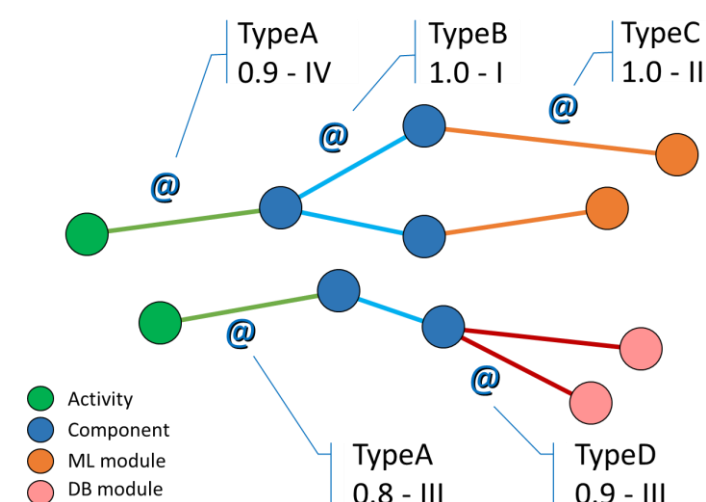
SysMLv2 models & libraries



2. Problem representation

- Activity & Component diagrams
- ML & DB modules
- Identification
 - Manual: types A, C and D ; Auto: type B

Energy consumption analysis



3. Trace model analysis

- Confidence threshold (auto identification)
- Colorimetry
- Energy diffusion maths