The VizzAnalyzer is a framework designed to support maintenance and re-engineering of software. It allows to integrate arbitrary reverse-engineering tools, i.e. tools for program analysis and/or visualization. Then the VizzAnalyzer can interactively and iteratively retrieve program information, focus, analyze, and visualize it. For more information about architecture, design and functionality refer to [3].

Currently, the VizzAnalyzer framework connects different in-house and external reverse-engineering tools:

- Recoder [2] is a Java framework for source code meta programming aimed to deliver an infrastructure for Java analysis and transformation tools.

- CrocoPat [1] manipulates relations of any arity, including graphs. Its query and manipulation language is based on first-order predicate calculus.

- yEd [5] is a Java graph editor that can be used to generate drawings and apply automatic layouts to all kinds of diagrams and networks.

- Microsoft Excel is used for statistic analyses on metrics and their visualizations.

- WilmaScope [4] is a Java3D application which creates real time 3d animations of dynamic graph structures.

- Vizz3D is our own 3D visualization framework, allowing the illustration of program information through two main rotary slides: Layouts and Bindings.

- Analyzer is our own analysis component. It allows to perform focusing on program information, i.e. aggregation, filtering and merge of information.

A screenshot of the VizzAnalyzer framework is shown in Figure 1. The has three main menu entries Frontends, Analyzer and Viewers correspond to the three main variation points for plugged-ins.

With the VizzAnalyzer we have analyzed the VizzAnalyzer itself (besides several other project). Figure 2 shows one view on the current architecture of the VizzAnalyzer using the yEd plug-in. One recognizes the following components: the Core is illustrated in the middle-upper part, the Vizz3D to the left, the Recoder to the right and the Analyzer is adjacent to and below the Core. It is no mistake that the Analyzer has a higher coupling to the Core since it offers more than one service (focusing, metric and other high level analysis).


