

BLUERIQ MODEL ANALYZER

Measuring the quality of the
Blueriq models



Blueriq Model Analyzer
2017

SUPPORT

my.blueriq.com

+31 646092589

support@blueriq.com

MAKE YOUR OWN RULES

INSIGHT INTO THE QUALITY OF THE BLUERIQ MODELS

Blueriq Model Analyzer gives an objective opinion on the quality of the Blueriq models and raises them to a higher level.

The quality of the applications and models is a broad concept and knows many definitions. Applications of high quality are characterized by fulfilling functional needs as well as implicit features such as proper maintainability and testability.

Different tools are available to measure these implied characteristics. These tools, however, focus primarily on the source code. The Blueriq Model Analyzer now lets you analyze and monitor Blueriq models on common risks that can create poorly maintainable and error-prone models. By discovering these potential problems at an early stage, they can be quickly resolved which improves the Blueriq models.

Blueriq Model Analyzer creates clarity by using reports that can even be understood by stakeholders with less technical knowledge. Quality becomes visible!

The advantages



Measurements & Rules

Blueriq Model Analyzer includes measurements and rules that are known to have a great impact on the maintainability of the Blueriq models. The number of measurements and rules are continuously extended.



Integration SonarQube

De Blueriq Model Analyzer plugin can easily be integrated with SonarQube. SonarQube offers a clear visual report allowing you to zoom in on modules within a Blueriq model.



Trends in quality metrics

By creating a trend analysis of the metrics from the Blueriq Model Analyzer, it is possible to focus on quality.



Continuous quality control

Possible shortcomings in the quality of the models are immediately revealed by embedding the Blueriq Model Analyzer in the development process.

BLUERIQ MODEL ANALYZER FEATURES

Measurements

- The number of modules in the Blueriq model
- The number of reusable expression in the Blueriq model
- The number of complex expressions in the Blueriq model. Complex expressions contain more than 5 operators of over 50 characters

Focus areas / Rules

- Elements in a flow rule
Warns about a too large number of expressions in a single flow (>20).
- Flow viewport rule
Warns about confusing flows (flow does not fit a standard screen).
- Included library in project rule
Warns when there are unused libraries in a project.
- Reusable expression duplicate rule
Warns about identical 'reusable expressions' that appear multiple times (duplicates).
- Diamond rule
Warns about closed circuits (a diamond structure) in the configuration of the modules. This often results in problems with specializations.
- Expression duplicates
Compares expressions and warns when there are duplicates.

Specials

- Expression simplifier
Simplifies complex expressions.
- Decision table check
Checks decision tables on overlap or gaps.

Blueriq Model Analyzer:

- ✓ Objective measurement of the quality of the Blueriq Models
- ✓ Supports in creating comprehensible models
- ✓ Quickly points out the underlying fault
- ✓ Better maintainability and testability
- ✓ Lower application maintenance and support costs

Want to know more about Blueriq Model Analyzer? Get in touch with us: info@blueriq.com