

refine™

INSTANT QUALITY CHECK



- > **Available environments**
- IBM z0s
 - BULL GC0S7-8
 - UNIX
- [Other environments on request](#)

A quick, independent and precise quality audit.
After the analysis and evaluation of your objectives, our consultants will expose their recommendations in a personalised report.

The costs of non-quality

Don't sacrifice the quality of your code because of tight schedules. For IT developments, delays and costs aren't the only important features. In the long run, it's the quality of the code which will greatly influence clients satisfaction and, exploitation and maintenance costs.

Performing quality audits is necessary for a clear and efficient management of your legacy, whether or not you outsource software development.


A « turnkey » audit service

Refine™ Instant Quality Check is a code audit service which proceeds in four steps. Its non-intrusive execution allows you to access and visualise the same information that companies with expert teams and heavy costly means can obtain.


The strength of this service lies in its powerful automation. It limits your implication and allows you to rapidly obtain a reliable, conclusive and easily reproducible report, resulting in further audits or other contrasting applications.

Refine™ Instant Quality Check is derived from the Refine™ suite.

 **REFINE™ Assess & Analyse**
Analysis and diagnostic of your applications code.

 **REFINE™ Instant Quality Check**
Execution of a quality audit by MetaWare consultants.

 **REFINE™ Modernisation Solutions**
Evolution of your applications code.

 **REFINE™ Application Management**
Pack of functions to assist your legacy in its maintenance.

THE 4 STEPS OF REFINETM INSTANT QUALITY CHECK

1 Interview

During the interview, our expert consultant identifies the objectives and specificities of the audit, and retrieves your application source codes.

2 Customisation

Our expert consultant establishes a customised quality charter with measures, controls and thresholds adapted to the objectives identified during the first step.

3 Analysis

Your code is automatically analysed and audited during its initialisation in a Refine™ repository in order to produce an IQC audit report. Our consultant amends this document with recommendations.

4 Restitution

The consultant then exposes this report to you during a presentation. He will browse your application repository to demonstrate and discuss its strengths and weaknesses.

> THE REFINETM REPOSITORY

The repository is the code's knowledge base on which all the suite's tools depend on.

Based on a powerful metamodel, this knowledge base can be interrogated at distance through SQL queries. The repository follows the evolution of the code without limits in volume and includes « versionning » capacities which enable a precise monitoring of the evolution of any feature or indicator.

> INSTANT QUALITY CHECK AUDIT REPORT

The results of the audit are presented in a report with a clear representation.

It will contain :

➤ An executive summary

Intended to the management.

➤ A chapter on volumetry

(number of executable code lines, number of comment lines, number of access to data, ...)

➤ A chapter on the characteristics of the quality model

(reliability, maintainability, portability, ...)

➤ Annexes on metrics and controls used

Evaluation of different quality characteristics and sub-characteristics retained for the audit as well as effective thresholds.

In the form of a spreadsheet, the executive summary outlines on one page the information necessary for management and decision-making. Each chapter pinpoints the strengths and weaknesses of your application on the basis of the characteristics of the designed quality model. The report highlights areas of great risk for which corrective measures should

be undertaken. This information is crucial either for the future evolution of applications or to enable comparison with other applications of your legacy.

Our expert consultants will discuss the results of their analyses and recommendations with you during a meeting intended for that purpose.

A hard-copy of the report will be delivered to you and, a copy will be available for consultation on the Web for a period of two months.

> OUR EXPERT CONSULTANTS

Building on their experience, they will provide you with relevant and pragmatic recommendations.

Instant Quality Check audits are performed by senior consultants with experience in software quality. Programming experts, they have years of experience in applications analysis which they have developed at the service of our corporate customers. They are familiar with the principles established by Refine™, with software measurement, software metrology, they master the GQIM approach (extension of the Goal Question Metrics approach of V. Basili) as well as the good and bad programming practices (anti-patterns).

> A UNIQUE PERFORMANCE

Automatic production of audit reports, detailed inspection of the critical points of your application.

As soon as your application sources are initialised in a Refine™ repository, our consultants will be able to take advantage of the analysis and handling power of the Refine™ suite code.

> The quality model

The quality model implemented complements the ISO 9126 model. Refine™ supplies a standard number of metrics and volumetry indicators as well as several quality controls. With the charter editor, you set your own inspection rules.

> The measure of your quality criteria

In addition to the standard metrics provided, Refine™ allows to add new metrics and new control points guaranteeing an unprecedented coverage and a real consideration of your objectives.

⊕ information

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