Quality Guard Installation Guide
Analysis Tool of MEASURE Platform

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Hardware requirements

Below a list of the minimum Hardware requirements to get started with the Quality Guard analysis tool:

- Processor (CPU) with 2 gigahertz (GHz) frequency or above.
- A minimum of 8 GB of RAM.
- A minimum of 20 GB of available space on the hard disk.

Prerequisites

The Quality Guard Analysis tool can be executed on Windows, Linux or Mac OSX systems. To be executed, the tool requires the installation of the following tools:

- MySQL Installation
  - Download MySQL Community Server ver. 5.7 or above: *https://dev.mysql.com/downloads/mysql/*
  - Install MySQL using these instructions: *https://dev.mysql.com/doc/refman/5.7/en/installing.html*
  - Create a new database named "qualityguardanalysis".
- Java 1.8 Installation
  - Download and install the jdk8 in your environment: *http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html*

N.B: The Measure platform is required to start executing the Quality Guard tool.

Quality Guard Tool Installation

To install the Quality Guard tool, you have to:

- Download the last released version of the Quality Guard Analysis tool: *https://github.com/ITEA3-Measure/QualityGuardAnalysis/releases*
- Unzip the project in your tool directory.

Configuration

The tool is parametrized using a property file. This property file has to be put in the same folder of the quality-guard-analysis-{version}.war binary application.

- **General Properties:**

Property	Description	Default value
measure-platform.url	URL of the measure platform	localhost/
analysis-tool.url	URL of the quality guard analysis tool	localhost:8585/#/
analysis-tool.elasticsearch.url	Url of Elasticsearch search engine	127.0.0.1
analysis-tool.elasticsearch.port	Port of Elasticsearch nodes communication	9300

analysis-tool.elasticsearch.cluster-key	CLuster key of Elasticsearch search engine	cluster.name
analysis-tool.elasticsearch.cluster-name	CLuster name of Elasticsearch search engine	elasticsearch
spring.datasource.url	JDBC URL of the database ex: "jdbc:mysql://"+ ip of computer in which is installed MySQL database name.	jdbc:mysql://localhost:3306/qualityguardanalysis
spring.datasource.username	Loign MySQL.	root
spring.datasource.password	Password MySQL.	root
spring.datasource.driver-class-name	Driver JDBC for MySQL	com.mysql.jdbc.Driver
server.port	Port of the Quality Guard Analysis tool web application	8585

Start the Quality Guard tool

- Start MySQL
- The Measure platform must be running
- Start the Quality Guard Analysis tool
  - ➢ java -jar quality-guard-analysis-{version}.war
- Check the availability of the Analysis Tool in the Measure Platform