

# FRAME\_PORTAL\_PORTFOLIO\_VIEW - Assessment - Portfolio Level

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This view is designed to deliver the information about a set of applications (i.e., a System of the Portfolio tree) necessary to check their overall quality status, the trends of their overall quality, their latest status regarding each one of the Health Factors and the evolution of violations to Quality Rule-based metrics whose "critical contribution" option has been set:

 This view requires access to at least one Application of the Portfolio tree.

## Layout



## Left hand panel

Please see the section **Left hand panel** in [Using the CAST Dashboard](#) for more information about this.

## Main window panels

Four main panels are available:

<b>Current Overall Status</b>	Mapping of applications from the selected portfolio according to their TQI (Total Quality Index) on the horizontal axis, their Technical Debt per kLOC (please see the section <b>Left hand panel</b> in <a href="#">Using the CAST Dashboard</a> for more information about Technical Debt) on the vertical axis, and their functional weight as the bubble size. Hyperlinks within the list of Applications lead to the <a href="#">FRAME_PORTAL_RISK_VIEW - Assessment - Application Level</a> (for the Application) and to the <a href="#">FRAME_PORTAL_INVESTIGATION_VIEW - Investigation - Quality Model Drilldown</a> for the kLOC. This panel is designed to help identify abnormal situations (e.g.: mission-critical applications with poor TQI).
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<b>Po rtf oli o Hi st ory</b>	<p>Displays the evolution (over successive snapshots) of the TQI (Total Quality Index) of applications from the selected portfolio as lines, against the volume (counted as kLOCs) of the whole portfolio. It helps detect trends in overall quality and can also help detect the impact of a large addition /deletion of code on quality.</p>
<b>Bo tto m tw o pa ne ls</b>	<p>Solely relying on high level indicators to control the health of applications is not enough. Software development is also a question of details and a single violation of a critical performance rule can have severe impacts when occurring in production. An aggregated model can only offer what it is meant for: an effective summary of the quality. But due to the very volume of information they summarize, they fail to visualize the elementary evolutions that can jeopardize the application behavior. Therefore, besides the aggregated quality model, there is a need for a solution to monitor a few number of critical rules and be sure that no (or little) violations to these rules occurs. Hence the following two panels:</p> <ul style="list-style-type: none"> <li>• <b>Critical Violations by Application</b> (exception approach) - displays the number of violations (i.e., defects for rules that have been tagged "critical contribution" in the Assessment Model) split per application of the selected portfolio, and per Health Factor. Hyperlinks lead to the <a href="#">FRAME_PORTAL_VIOLATION_VIEW - Risk Indicators - Object Level</a> listing the defects. Added and removed tables help identify the number of violations that have been added or removed since the previous snapshot.</li> <li>• <b>Health Factors by Application</b> (systemic approach) - displays the Health Factor grades for each application from the selected portfolio (including the SEI Maintainability index). The grade evolution table highlights (with a color-coded value) the evolution since the previous snapshot.</li> </ul>