Intelligent Visualization of Performance Analysis Results

Description

Modern APM tools can provide performance engineers with large amounts of data. While this data is probably useful, it must be presented to performance engineers in a comprehensive way. This would allow more efficient analysis and greater productivity. However, performance engineers spend a lot of time to set up a proper “dashboard”, i.e. it can take a lot of time to configure how the obtained performance data will be displayed. That is why, it is very important to develop tools that will provide performance engineers with results displayed in appropriate way for both the problem at hand and based on engineers previous experience and preferences.

The goal of this topic is to provide an overview of currently available approaches in this field, including the discussion on their shortcomings and what is required for a development of a tool that could solve these shortcomings.

In addition to studying and summarizing the research literature, it is a mandatory part of this seminar to gather and share hands-on experience with the available tooling infrastructure. The provided references ([1, 2, 3]) are to be considered a starting point and it is expected to extend the literature search and present a coherent view on the current state of the art in this area.

References


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