

Performance Optimization of Embedded Software Architecture – A Case Study

Anu Purhonen

VTT Technical Research Centre of Finland, P. O. Box 1100, FIN-90571 Oulu, Finland

Anu.Purhonen@vtt.fi

Abstract

This paper describes experiences with performance evaluation of software architecture. The approach used is based on a software architecture evaluation strategy developed for non-safety critical embedded software. In this work, the parts that belong to the performance evaluation are enhanced and applied. The most appropriate approach from the contemporary performance analysis techniques is selected to support the evaluation. The evaluation strategy is used for evaluating the performance of a software product from an interactive digital television field.