

In this work, we propose a generic approach to collection of performance data for hetero-geneous component-based applications with the aim to provide easier and less costly access to performance data needed for measurement and model-based performance analysis of component applications. The technical foundation for the approach is built on generic solutions to various aspects of performance data collection and is made of three parts. The first part provides a design of a generic measurement infrastructure which handles common performance measurement tasks and allows collecting arbitrary performance data in response to performance events. The second part proposes using architecture-based connectors for instrumentation of component applications and provides a design of a performance instrumentation connector element for use with the measurement infrastructure. The third part proposes integration of connectors into deployment process of component applications which enables deployment and transparent instrumentation of heterogeneous component-based applications.