Performance Analysis Tools in Europe

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Abstract

This report presents a survey of tools for performance evaluation of computer systems and networks which originate from commercial and academic organisations in Europe. After a brief definition of the term *performance analysis* the papare considers the techniques available to someone wishing to perform such an analysis and the tools which can be used to support such work. Techniques are divided into measurement and workload estimation, queueing network modelling, Petri net modelling, use of process algebras and formal protocol languages, simulation, performability and integrated tools and environments. Under each of these headings a small number of the most representative and widely available tools are presented. Where tools offer similar functionality, a brief comparison is offered. As far as possible, some indication of the reasons for using each tool is offered for potential users.