

Complex Event Processing

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Abstract

Gartner has determined that “Complex Event Processing” (CEP) is one of the emerging areas on the rise in the “hype cycle” and become dominant in the area of Business Process Integration and Management (BPIM) as well as other areas (such as: command and control). According to Gartner’s prediction, within 5-10 years this area will get to maturity. Activities in this industry have already started, and it is of the interest of this community to have early acquaintance with an area that may be dominant in several of the application types. The aim of this tutorial is to educate the audience about CEP and it’s relevant to the some of the other emergent areas such as: Web services, autonomic computing, and grid management, as well as to traditional data management areas. The tutorial will cover introduction to the area, model-based approaches, architectures, several use cases, relationships to other concepts. It does not require any prior knowledge in the CEP.

About the Presenter

Opher Etzion is Research Staff Member and senior manager in the IBM Haifa Research Lab. Prior to joining IBM, he was a faculty member at the Technion, where he still holds a part-time position. His research interests include active technologies (databases and beyond), automatic programming, business process management, and temporal reasoning. He was co-editor of a book on temporal databases, has more than 50 papers in refereed journals and conferences, and has been a guest editor of several special issues of various journals, and served as program and general chair of various conferences, as well as many program committees. He has rich industrial experience, and has been involved in the development of products, applications, solutions and services in various stages of his career.

References

- [1]. D. Luckham, The power of event, introduction to complex event processing, Addison Wesley, 2002.
- [2]. A. Adi, O. Etzion, AMIT, the situation manager. 2004 (to appear).

Note: A detailed list of references in this area will be part of the tutorial itself.