

Solution architecture for detecting and preventing fraud in real time

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Abstract:

Fraud has been an issue since the very beginnings of commerce. Today, as business moved into the online era, this topic has become a major issue in e-commerce. In this paper, we introduce a solution architecture for detection and preventing fraud in real time by using an event-based system called SARI (sense and respond infrastructure). We present the architecture and components for a real-time fraud management solution which can be easily adapted to the business needs of domain experts and business users. The SARI system provides functions to monitor customer behavior as well as it can steer and optimize customer processes in real time. For illustrating our approach, we show fraud scenarios of an online gambling service provider.

Published in: Digital Information Management, 2007. ICDIM '07. 2nd International Conference on

Date of Conference: 28-31 Oct. 2007

INSPEC Accession Number: 10089462

Date Added to IEEE Xplore: 31 January 2008

DOI: [10.1109/ICDIM.2007.4444216](https://doi.org/10.1109/ICDIM.2007.4444216)

▼ ISBN Information:

Publisher: IEEE

Print ISBN: 978-1-4244-1475-8

Conference Location: Lyon, France

CD-ROM ISBN: 978-1-4244-1476-5