

Keynote

A Web of Data: New Architectures for New Technology?

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Abstract

The last decade has seen a wave of new technology to publish, access, and integrate data on the Web. Furthermore, many new applications have emerged and Web technologies have penetrated almost all systems from small mobile applications to large-scale enterprise applications. Nevertheless, the way we build those applications has not changed much; imperative programming languages (e.g., Java or C#) and middleware architectures are still dominant in industry. This talk tries to describe why these old architectures are problematic and presents ideas for novel software architectures to build Web applications.

Bio

Donald Kossmann is a professor for Computer Science at ETH Zurich (Switzerland). He received his MS in 1991 from the University of Karlsruhe and completed his PhD in 1995 at the Technical University of Aachen. After that, he held positions at the University of Maryland, the IBM Almaden Research Center, the University of Passau, the Technical University of Munich, and the University of Heidelberg. He is a co-founder of i-TV-T, a German company that develops eProcurement applications. His research interests lie in the area of database and information systems; in particular, Web-based information systems and database applications.