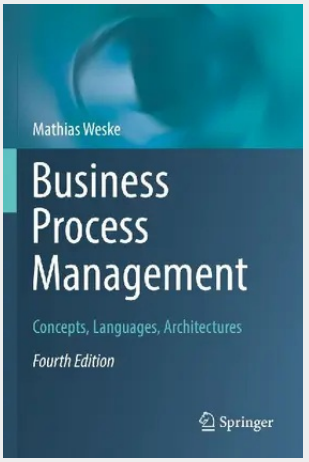
Weske

Business Process Management

Concepts, Languages, Architectures



In this book, Mathias Weske details the complete business process lifecycle from process modeling to process enactment and process evaluation. After starting with the general foundations and abstractions in business process management, he introduces process modeling languages and process choreographies, as well as formal properties of processes and data. Eventually, he presents both traditional and advanced business process management architectures, covering, for example, workflow management systems, service-oriented architectures, and data-driven approaches.
The 4th edition of his book contains significant updates, including a new section on directly follows graphs that play a crucial role in process mining. In addition, the core of declarative process modeling is introduced. The increasingly important role of data in business processes is addressed by a new section on data objects and data models in the data and decision chapter. To cover a recent trend in process automation, the enterprise systems architecture chapter now includes a section on robotic process automation.

Mathias Weske argues that all communities involved need to have a common understanding of the different aspects of business process management. Hence his textbook is ideally suited for classes on business process management, information systems architecture, and workflow management alike. The accompanying website www.bpm-book.com contains further information and additional teaching material.

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