



Pattern-Oriented Software Architecture, Volume 3, Patterns for Resource Management

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DESCRIPTION

The first volume of the POSA pattern series introduced a broad-spectrum of general-purpose patterns in software design and architecture. The second narrowed the focus to fundamental patterns for building sophisticated concurrent and networked software systems and applications. This volume uses design patterns to present techniques for implementing effective resource management in a system.

The patterns are covered in detail making use of several examples providing directions to the readers on how to implement the presented patterns. Additionally, the volume presents a thorough introduction into resource management and a case study where the patterns are applied to the domain of mobile radio networks. The patterns are grouped by different areas of resource management and hence address the complete lifecycle of resources: resource acquisition, coordination and release.

ABOUT THE AUTHOR

Michael Kircher and Prashant Jain have been active in the patterns community for several years and collaborated closely with the authors of the previous POSA volumes. In their respective companies, Siemens and IBM, both Michael and Prashant are involved in research and consulting in emerging technologies and software architecture.

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