

*Active Networks and Active Network Management: A Proactive Management Framework*

by

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Active networking is an exciting new paradigm in digital networking that has the potential to revolutionize the manner in which communication takes place. It is an emerging technology, one in which new ideas are constantly being formulated and new topics of research are springing up even as this book is being written. This technology is very likely to appeal to a broad spectrum of users from academia and industry. Therefore, this book was written in a way that enables all these groups to understand the impact of active networking in their sphere of interest. Exercises and ideas for further study are included in most chapters. Information services managers, network administrators, and e-commerce developers would like to know the potential benefits of the new technology to their businesses, networks, and applications. This book introduces the basic active networking paradigm and its potential impacts on the future of information handling in general and communications in particular. This is useful for forward-looking businesses that wish to actively participate in the development of active networks and ensure a head start in the integration of the technology in their future products, be they applications or networks. Areas in which active networking are likely to make significant impact are identified, and the reader is pointed to related ongoing research efforts in the area.