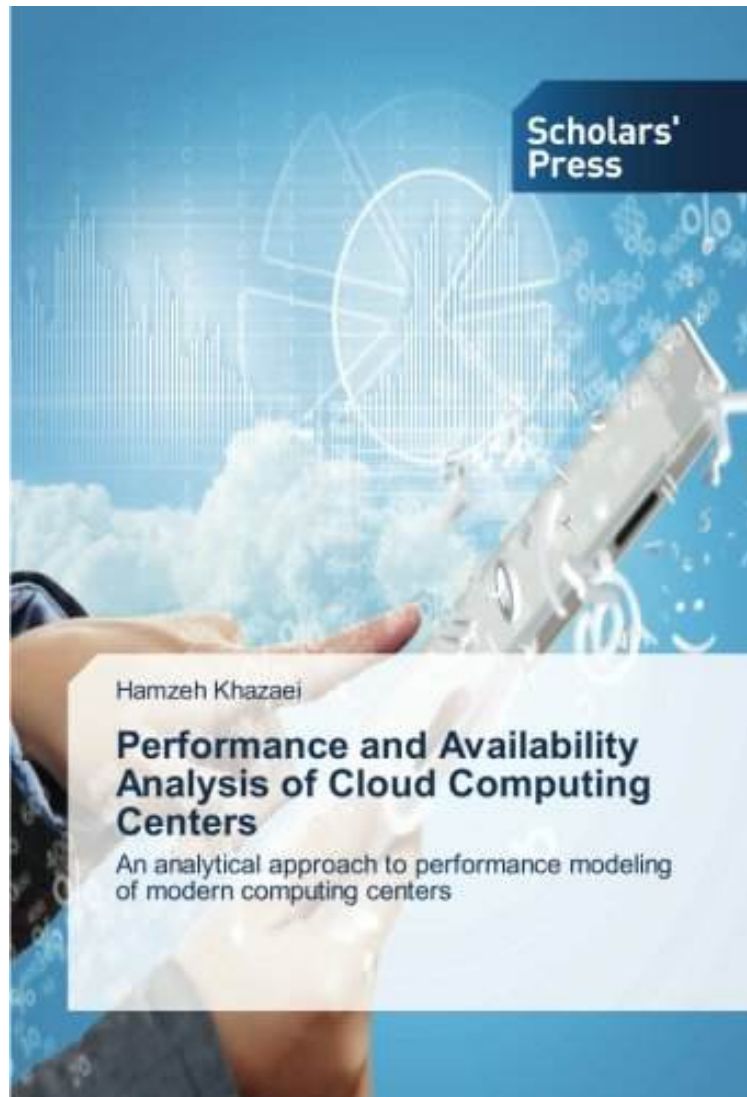


Performance and Availability Analysis of Cloud Computing Centers: An analytical approach to performance modeling of modern computing centers

# Performance and Availability Analysis of Cloud Computing Centers: An analytical approach to performance modeling of modern computing centers

*By Hamzeh Khazaei*



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towards understanding uncertainty in cloud computing with risks of confidentiality integrity and availability approach to uncertainty analysis and providing dependability and resilience in the cloud 8 2 the approach has been applied to cloud computing performance modeling with availability Performance and Availability Analysis of Cloud Computing Centers: An analytical approach to performance modeling of modern computing centers:

The main contribution of this book is developing performance models for cloud computing centers We started off with a basic analytical model and then gradually extended the scope of the model in order to capture most important aspects of nowadays cloud centers The course steps of the performance model development process are as follows For the first time we employed M x G m m r queuing system which is our abstract model in order to deal with the performance eval About the Author Hamzeh Khazaei is a research scientist at IBM Canada Research and Development Centre He received his PhD degree in Computer Science from University of Manitoba Canada 2009 2012 Earlier He received his both BSc and MSc degrees in Computer

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