

Distributed System Development Using Web Service and Enterprise Java Beans

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Abstract:

Web Services and Enterprise Java Beans are evolving technology that allows the development and publication of Software Components. These components can be integrated together in plug and play manner. It provides a generic component based framework on the Web for large and complex distributed application development. This tutorial provides a detailed explanation of how you can build different types of EJBs to implement your distributed application. It will also provide details of publishing, accessing and innovation of Web Service functions. Moreover, it will give you some Dos and Don'ts for developing Web Services and EJBs.

This tutorial is valuable for those involved in designing and deploying distributed B2B solutions such as Web developers, architects, consultants, engineers and analysts and programmers. The basic programming experience is assumed.

About the presenter

Anup Kumar is a Professor in Computer Engineering and Computer Science Department at University of Louisville. He is also the Director of Mobile Computing Lab at the CECS Department. His research interests include wireless distributed system, modeling and Simulation, high speed networks, multimedia systems and genetic algorithm application. He is currently the Chair of IEEE Computer Society Technical committee on Simulation (TCSIM). He was the Vice Chair of IEEE TCSIM from 1995-1998. He is also the current President of IEEE Computer Society Louisville chapter. He has edited a special issue on performance evaluation in "Simulation Digest". He has also edited special issues in "International Journal on Computers and Operations Research". He has also served as the Acting chair of IEEECS TCSIM for a year in 1997. He has published and presented over one hundred papers in international Journals and conferences. Some of his papers have appeared in ACM Multimedia Systems Journal, IEEE Transactions on computers, Journal of Parallel and Distributed Computing, IEEE Transactions on Reliability, IEEE Journal on Selected Areas in Communications, Journal of Computer and Software Engineering, etc. He was the Associate Editor of International Journal of Engineering Design and Automation 1995-1998. He has served on the panel for NSF proposal review. He was invited to participate at the NSF sponsored workshop on Mobile Computing held at University of Cincinnati. He has served on many conferences program committees such as IEEE Symposium of Parallel and Distributed Systems, Seventh International Conference on Parallel and Distributed Computer Systems, IEEE International workshop on Modeling Analysis and Simulation of Computer and Telecommunication Systems, ADCOM'97 and 98. He was the program committee Co-Chair for the Sixth ISCA International Conference on Parallel and Distributed Computer Systems 1993. He has also chaired sessions in several International Conferences. He is listed in Who's Who Among America's Teachers, 1994. He is a Senior Member of IEEE.