Sync vs Async Communication

Request and wait for a response
Fire and forget with messages/events

@keyrey123

Synchronous

Request-response model

Send a request and wait for some response
Example: API requests

Asynchronous

Fire and forget model

Send message/event and forget
Example: Event Driven Architecture

Async Communication Latest

Claudia Blaas-Schenner,Christoph Niethammer,Tobias Haas

Async Communication Latest:

Recent Advances in the Message Passing Interface Claudia Blaas-Schenner,Christoph Niethammer,Tobias Haas,2024-09-24 This volume LNCS constitutes the refereed proceedings of 31st European MPI Users Group Meeting EuroMPI 2024 held in Perth WA Australia during September 25 27 2024 The 8 full papers presented here were carefully reviewed and selected from 19 submissions These papers have been categorized under the following topical sections Compile time Correctness checks and optimization Limitations and Extensions for GPGPUs in MPI Improvements for MPI and MPI Ecosystem **Recent Advances in Parallel Virtual Machine and Message Passing Interface** Alexey Lastovetsky,Tahar Kechadi,Jack Dongarra,2008-09-15 This book constitutes the refereed proceedings of the 15th European PVM MPI Users Group Meeting held in Dublin Ireland in September 2008 The 29 revised full papers presented together with abstracts of 7 invited contributions 1 tutorial paper and 8 poster papers were carefully reviewed and selected from 55 submissions The papers are organized in topical sections on applications collective operations library internals message passing for multi core and mutlithreaded architectures MPI datatypes MPI I O synchronisation issues in point to point and one sided communications tools and verification of message passing programs The volume is rounded off with 4 contributions to the special ParSim session on current trends in numerical simulation for parallel engineering environments **Recent Advances in Parallel Virtual Machine and Message Passing Interface** Marian Bubak,Jack Dongarra,Jerzy Wasniewski,1997-10-15 This book constitutes the refereed proceedings of the 4th European Parallel Virtual Machine and Message Passing Interface Users Group Meeting PVM MPI 97 held in Cracow Poland in November 1997 Parallel Virtual Machine and Message Passing Interface are the most popular tools for programming in accordance with the message passing paradigm which at present is considered to be the best way to develop effective parallel programs The book presents 63 carefully selected papers covering the whole range of PVM MPI issues The papers are organized in sections on evaluation and performance extensions and improvements implementation tools algorithms and applications in science and engineering

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    PC Tech Journal ,1989   Micro Communications ,1984   The New Internet Business Book Jill H. Ellsworth,Matthew V. Ellsworth,1996-01-31 Extensively revised and updated this book shows users what their business can do to the Net and how to do it It offers step by step advice for getting on the Internet and conducting all sorts of business from doing market research and obtaining competitive information to announcing products and making sales The list of Internet business resources has also been expanded

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