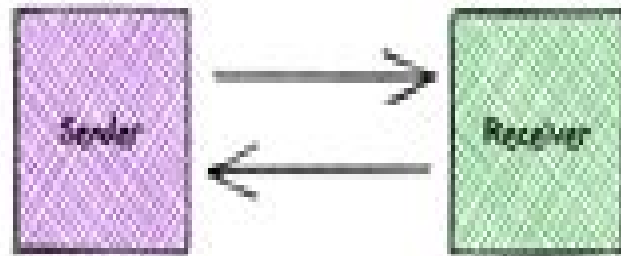


Sync vs Async Communication

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

@lorey/23

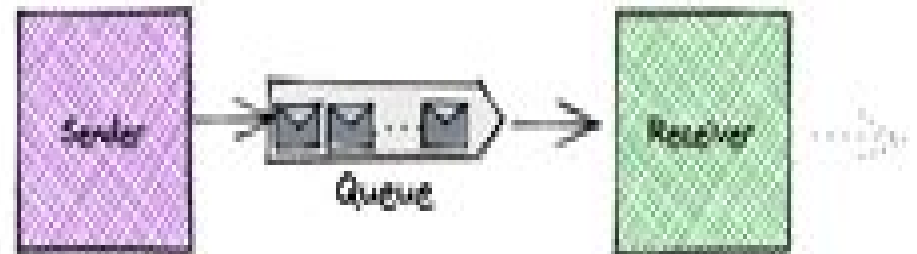
Synchronous



Request-response model

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

Asynchronous

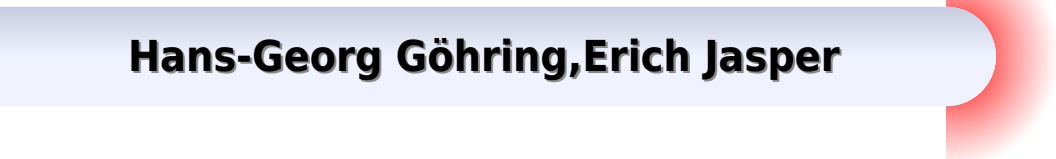


Fire and Forget model

Send message/event and forget
Example: Event Driven Architecture

Advanced Async Communication

Hans-Georg Göhring, Erich Jasper



Advanced Async Communication:

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

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modern computers or embedded systems **StarBriefs Plus** Andre Heck,2004-03-31 With about 200 000 entries StarBriefs Plus represents the most comprehensive and accurately validated collection of abbreviations acronyms contractions and symbols within astronomy related space sciences and other related fields As such this invaluable reference source and its companion volume StarGuides Plus should be on the reference shelf of every library organization or individual with any interest in these areas Besides astronomy and associated space sciences related fields such as aeronautics aeronomy astronautics atmospheric sciences chemistry communications computer sciences data processing education electronics engineering energetics environment geodesy geophysics information handling management mathematics meteorology optics physics remote sensing and so on are also covered when justified Terms in common use and or of general interest have also been included where appropriate **Dr. Dobb's Journal** ,1992 **Mastering the Art of Network Programming:**

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