

# Sync vs Async Communication

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

@lorenz/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

# Async Communication Best

**Wenbin Ji**



## **Async Communication Best:**

**Microservices Best Practices for Java** Michael Hofmann, Erin Schnabel, Katherine Stanley, IBM Redbooks, 2017-03-13  
Microservices is an architectural style in which large complex software applications are composed of one or more smaller services Each of these microservices focuses on completing one task that represents a small business capability These microservices can be developed in any programming language This IBM Redbooks publication covers Microservices best practices for Java It focuses on creating cloud native applications using the latest version of IBM WebSphere Application Server Liberty IBM Bluemix and other Open Source Frameworks in the Microservices ecosystem to highlight Microservices best practices for Java

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empower individuals and businesses Tips for selecting the right tool based on individual needs **Culture Without Walls**

Clara Wrenford, 2025-09-18 The future of work isn't coming; it's already here. Small teams across the globe are thriving without offices, but only when they master the subtle art of building culture at a distance. *Culture Without Walls* is your roadmap to creating a connected, motivated, and inclusive remote team, no matter where you hire from, whether it's LinkedIn, Upwork, or global talent platforms. Inside, you'll uncover how to design powerful digital rituals, foster belonging across time zones, and establish unshakable team norms that drive trust and productivity. Learn how to balance asynchronous etiquette with emotional wellbeing, ensuring your people stay engaged, supported, and inspired. Whether you're a founder scaling your startup, a manager overseeing freelancers, or a leader seeking to unite a distributed workforce, this book equips you with actionable strategies to turn distance into strength. Don't just manage remotely; create a culture that thrives without walls. Take the leap now and transform how your team works, grows, and wins together. *Advanced Distributed Scrum* Kelley

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*IBM AS/400* Jim Hoskins,1990 Bestselling author Jim Hoskins presents an updated version of his popular hands on guide to the IBM AS 400 computers This practical guide provides users with everything they need to integrate each AS 400 system into small medium and large sized business environments

**Data Communications** ,1996

**The Async Advantage** Sofia Lane,2025-09-18 Endless meetings scattered chats and missed handoffs aren t signs of a busy team they re signs of a broken system The future of work is asynchronous and learning to do it well separates thriving organizations from chaotic ones The Async Advantage is your guide to running teams that collaborate effectively without being chained to the same clock You ll discover the core principles of async communication from writing clear documentation and recording short Loom updates to designing smooth handoffs across time zones Learn how to reduce meeting overload set team norms that encourage clarity and build workflows where progress never stalls no matter when people are online Whether you re a leader managing distributed staff or a professional tired of calendar fatigue this book shows you how to create an environment where focus flexibility and results replace interruptions and confusion Async isn t less communication it s smarter communication Done right it unlocks freedom and productivity for everyone

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 lialh oc ch3 3 h 4 benzaldehyde c6h5cho ch2ohch2oh h step 1 toluene oxidation with kmno4 kmno4 is a strong oxidising  
 agent which oxidise toluene to benzaldehyde in 1st step

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 oxidation of whatever substrate may be present under basic neutral and acidic conditions respectively  

$$\text{MnO}_4^- + 7\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{MnO}_2 + 2\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$$
 basic m n x 7 o x 4 x e x m n x 6 o x 4 x 2 b a s i c

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