

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

Michael Durr



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.

Top 100 Productivity Apps to Maximize Your Efficiency Navneet Singh, Outline for the Book

Top 100 Productivity Apps to Maximize Your Efficiency Introduction: Why productivity apps are essential in 2025. How the right apps can optimize your personal and professional life. Criteria for choosing the best productivity apps: ease of use, integrations, scalability, etc.

Category 1: Task Management Apps

- Top Apps:** Todoist (Task and project management with advanced labels and filters), TickTick (Smart task planning with built-in Pomodoro timer), Microsoft To Do (Simple and intuitive list-based task management), Things 3 (Ideal for Apple users, sleek and powerful task manager), Asana (Task tracking with project collaboration features), Trello (Visual project management with drag and drop boards), OmniFocus (Advanced task management with GTD methodology), Notion (Versatile note taking and task management hybrid), ClickUp (One-stop platform with tasks, docs, and goals), Remember The Milk (Task manager with smart reminders and integrations).

Category 2: Time Management Focus Apps

- Top Apps:** RescueTime (Automated time tracking and reports), Toggl Track (Easy to use time logging for projects and tasks), Clockify (Free time tracker with detailed analytics), Forest (Gamified focus app that grows virtual trees), Focus Booster (Pomodoro app with tracking capabilities), Freedom (Blocks distracting websites and apps), Serene (Day planner with focus and goal setting), Focus Will (Music app scientifically designed for productivity), Beeminder (Tracks goals and builds habits with consequences), Timely (AI-powered time management with automatic tracking).

Category 3: Note Taking Organization Apps

- Top Apps:** Evernote (Feature-rich note taking and document organization), Notion (All in one workspace for notes, tasks, and databases), Obsidian (Knowledge management with backlinking features), Roam Research (Ideal for building a knowledge graph), Microsoft OneNote (Free and flexible digital notebook), Google Keep (Simple note taking with color coding and reminders), Bear (Minimalist markdown note taking for Apple users), Joplin (Open source alternative with strong privacy focus), Zoho Notebook (Visually appealing with multimedia support), TiddlyWiki (Personal wiki ideal for organizing thoughts).

Category 4: Project Management Apps

- Top Apps:** Asana (Collaborative project and task management), Trello (Visual board-based project tracking), Monday.com (Customizable project management platform), ClickUp (All in one platform for tasks, docs, and more), Wrike (Enterprise grade project management with Gantt charts), Basecamp (Simplified project collaboration and communication), Airtable (Combines spreadsheet and database features), Smartsheet (Spreadsheet style project and work management), Notion

Hybrid project management and note taking platform nTask Ideal for smaller teams and freelancers Category 5
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Your Competitive Advantage The Future of Remote Work Is Here Are You Ready Remote work isn't a trend it's the new reality But let's be honest managing a remote team is hard Too many messages Too many meetings And way too much wasted time That's where AI steps in In AI Agents and Automation for Remote Teams 2025 you'll discover how to harness AI powered tools to cut busywork improve team collaboration and make your remote operations unstoppable Whether you're a team leader entrepreneur or freelancer this book will teach you exactly how to integrate AI into your workflow without the overwhelm What You'll Learn Inside AI Virtual Assistants How tools like ChatGPT Claude and Microsoft Copilot can handle 45% of your admin work Project Management on Autopilot AI driven task tracking deadlines and workflow optimization Meetings Cut in Half AI powered note taking action item tracking and automatic summaries AI for Sales Customer Support How chatbots and AI generated emails boost response rates by 21% Time Management Work Life Balance AI powered scheduling and automated smart breaks for peak focus The AI Adoption Playbook A 30 day plan to implement AI without disrupting your team The AI Tech Stack for 2025 The best AI tools free paid to transform remote work Why You Need This Book Remote teams spend 58% of their time on work about work status updates emails and meetings Source Asana 2024 AI can cut this by 40% AI powered project management reduces delays by 35% Harvard Business Review 2024 Companies using AI driven sales scripts close 25% more deals McKinsey 2024 AI generated meeting summaries capture 27% more key points than humans Harvard Business Review 2024 This isn't just another AI book it's a hands on guide designed for leaders remote teams and businesses who want to scale smarter not harder Who This Book Is For Team Leaders Entrepreneurs Automate operations and boost efficiency without hiring more staff Sales Marketing Professionals Leverage AI for better leads smarter outreach and higher conversion rates Freelancers Solopreneurs Optimize your workflow so you can focus on what really matters Tech Enthusiasts AI Beginners Understand AI in plain English and learn how to use it today Don't Get Left Behind The future of work isn't coming it's already here Companies that embrace AI will outpace the competition Those that don't will struggle to keep up Are you ready to future proof your remote team Get your copy of AI Agents and Automation for Remote Teams 2025 today and start working smarter right now

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