



Model Context Protocol

An open protocol that enables seamless integration between LLM applications and external data sources and tools.

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README.md

Model Context Protocol



Model Context Protocol

A protocol for seamless integration between LLM applications and external data sources

[Documentation](#) | [Specification](#) | [Discussions](#)

The Model Context Protocol (MCP) is an open protocol that enables seamless integration between LLM applications and external data sources and tools. Whether you're building an AI-powered IDE, enhancing a chat interface, or creating custom AI workflows, MCP provides a standardized way to connect LLMs with the context they need.

Getting Started

- Read the [Documentation](#) for guides and tutorials
- Review the [Specification](#) for protocol details
- Use our SDKs to start building:
 - [TypeScript SDK](#)
 - [Python SDK](#)
 - [Java SDK](#)
 - [Kotlin SDK](#)
 - [C# SDK](#)
 - [Go SDK](#)
 - [PHP SDK](#)
 - [Ruby SDK](#)
 - [Rust SDK](#)
 - [Swift SDK](#)

Project Structure

- [modelcontextprotocol](#) - User documentation and protocol specification
- [typescript-sdk](#) - TypeScript implementation
- [python-sdk](#) - Python implementation
- [java-sdk](#) - Java implementation
- [kotlin-sdk](#) - Kotlin implementation
- [csharp-sdk](#) - C# implementation
- [go-sdk](#) - Go implementation
- [php-sdk](#) - PHP implementation
- [ruby-sdk](#) - Ruby implementation
- [rust-sdk](#) - Rust implementation
- [swift-sdk](#) - Swift implementation
- [create-kotlin-server](#) - Kotlin sample server
- [servers](#) - List of maintained servers
- [ext-auth](#) - List of authorization extensions

Contributing

We welcome contributions of all kinds! Whether you want to fix bugs, improve documentation, or propose new features, please see our [contributing guide](#) to get started.

Have questions? Join the discussion in our [community forum](#).

About

The Model Context Protocol is an open source project hosted by [The Linux Foundation](#) and open to contributions from the entire community.

People



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Top languages

TypeScript JavaScript Go MDX C#

Most used topics

[#mcp](#) [#experimental](#) [#extension](#)
[#modelcontextprotocol](#)

Pinned



[modelcontextprotocol](#) (Public)

Specification and documentation for the Model Context Protocol

TypeScript 8.8k 1.7k



[servers](#) (Public)

Model Context Protocol Servers

TypeScript 89.1k 11.3k



[python-sdk](#) (Public)

The official Python SDK for Model Context Protocol servers and clients

Python 23.8k 3.7k



[typescript-sdk](#) (Public)

The official TypeScript SDK for Model Context Protocol servers and clients

TypeScript 13k 2k

 **csharp-sdk** Public

The official C# SDK for Model Context Protocol servers and clients. Maintained in collaboration with Microsoft.

☐ C#

☐ 4.4k

☐ 764

 **inspector** Public

Visual testing tool for MCP servers

☐ TypeScript

☐ 10.5k

☐ 1.5k

 Repositories

Type ▾

Language ▾

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rust-sdk Public

The official Rust SDK for the Model Context Protocol

☐ Rust

☐ 3,720

☐ 579

☐ 18 (1 issue needs help)

☐ 9

Updated 2 hours ago



kotlin-sdk Public

The official Kotlin SDK for Model Context Protocol servers and clients. Maintained in collaboration with JetBrains

☐ Kotlin

☐ 1,423

☐ 228

☐ 66 (2 issues need help)

☐ 8

Updated 5 hours ago



go-sdk Public

The official Go SDK for Model Context Protocol servers and clients. Maintained in collaboration with Google.

☐ Go

☐ 4,914

☐ 488

☐ 42 (1 issue needs help)

☐ 32

Updated 8 hours ago



typescript-sdk Public

The official TypeScript SDK for Model Context Protocol servers and clients

☐ TypeScript

☐ 13,024

☐ 2,033

☐ 271 (7 issues need help)

☐ 250

Updated 9 hours ago



python-sdk Public

The official Python SDK for Model Context Protocol servers and clients

☐ Python

☐ 23,815

☐ MIT

☐ 3,727

☐ 232 (1 issue needs help)

☐ 259

Updated 11 hours ago



modelcontextprotocol Public

Specification and documentation for the Model Context Protocol

☐ TypeScript

☐ 8,798

☐ 1,683

☐ 79

☐ 81

Updated 14 hours ago



transports-wg Public

Transports Working Group

☐ 17

☐ 8

☐ 2

☐ 10

Updated 18 hours ago



csharp-sdk Public

The official C# SDK for Model Context Protocol servers and clients. Maintained in collaboration with Microsoft.

☐ C#

☐ 4,442

☐ 764

☐ 112 (13 issues need help)

☐ 38

Updated yesterday



ruby-sdk Public

The official Ruby SDK for the Model Context Protocol.

☐ Ruby

☐ 874

☐ 124

☐ 5

☐ 5

Updated yesterday



access Public

Infrastructure as Code for MCP access management

☐ TypeScript

☐ 41

☐ 53

☐ 0

☐ 3

Updated 2 days ago



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