

Overview

The Model Context Protocol allows applications to provide context for LLMs in a standardized way, separating the concerns of providing context from the actual LLM interaction.

Key Features of this Python SDK

- Build MCP clients that can connect to any MCP server
- Create MCP servers that expose resources, prompts, and tools
- Use standard transports like stdio and SSE
- Handle all MCP protocol messages and lifecycle events

MCP Primitives

The MCP protocol defines three core primitives that servers can implement:

Primitive	Control	Description	Example Use
Prompts	User-controlled	Interactive templates invoked by user choice	Slash commands, menu options
Resources	Application-controlled	Contextual data managed by the client application	File contents, API responses
Tools	Model-controlled	Functions exposed to the LLM to take actions	API calls, data updates