

Tools/Resources/Prompts

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Tools : Model controlled functions that can be invoked or does something
E.g API request, CRUD operations, computations etc.,

Resources : Application controlled data to provide contextual data to the host / client
E.g File content, user data

Prompts : User controlled prompt templates, to provide LLM's with custom prompts
E.g Prompts to draft research report in specific way

FastMCP makes it really easy on top of complex MCP settings. Just by using annotations :

- `@mcp.tools()`
- `@mcp.prompts()`
- `@mcp.resources()`

Resources:

- In MCP, a **resource** is **read-only data** made available by the MCP server to clients and ultimately to LMS as context.
- It can include files, content, database schemas, log snippets, screenshots, API responses—essentially anything the host app wants the model to "see," but not execute.
- Resources are **application-driven**, meaning the **host application controls what and when to fetch**, not the model itself.