



Making your APIs AI-Ready

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Designing for a world where machines read your APIs



Bridging LLMs and APIs with MCP

Bridging LLMs & APIs with MCP : Overview

- What is MCP?
- What does an MCP server do?
- MCP and our five shifts
- What we can do right now

Bridging LLMs & APIs with MCP

*"Systems work best when the
information guiding them is clear,
timely, and visible."*

- Donella Meadows



Bridging LLMs & APIs with MCP : What is MCP?

- [Model-Context Protocol](#) (MCP) is a standard from Anthropic
- MCP makes it possible for LLMs to find and use APIs
- MCP is an adaptor

MCP makes discovery possible

Bridging LLMs & APIs with MCP : What does MCP do?

- MCP exposes capabilities and context (manifest)
- MCP standardizes LLM/API interaction (JSON RPC 2.0)
- Publishing an MCP server exposes your APIs to agents

```
1 {
2   "name": "Task Management MCP Server",
3   "version": "1.0.0",
4   "description": "Expose task management capabilities as MCP tools for autonomous agents",
5   "endpoints": [
6     {
7       "type": "http",
8       "url": "https://api.example.com/mcp",
9       "supports_streaming": false
10    }
11  ],
12  "configSchema": {
13    "type": "object",
14    "properties": {},
15    "required": []
16  },
17  "capabilities": {
18    "tools": true,
19    "resources": false,
20    "prompts": false
21  },
22  "tools": [
23    {
24      "name": "home",
25      "description": "Navigate to the API home document. ALPS id: goHome.",
26      "input_schema": {
27        "type": "object",
28        "properties": {},
29        "required": []
30      }
31    },
32    {
33      "name": "listTasks",
34      "description": "Retrieve the full collection of tasks. ALPS id: goTaskList.",
35      "input_schema": {
```



```
1 {
2   "name": "Task Management MCP Server",
3   "version": "1.0.0",
4   "description": "Expose task management capabilities",
5   "endpoints": [
6     {
7       "type": "http",
8       "url": "https://api.example.com/mcp",
9       "supports_streaming": false
10    }
11  ],
12  "configSchema": {
13    "type": "object",
14    "properties": {},
15    "required": []
16  },
17  "capabilities": {
18    "tools": true,
19    "resources": false,
20    "prompts": false
21  },
22  "tools": [
23    {
24      "name": "home",
25      "description": "Navigate to the API home document",
26      "input_schema": {
27        "type": "object",
28        "properties": {},
29        "required": []
30      }
31    },
32    {
33      "name": "listTasks",
34      "description": "Retrieve the full collection of tasks. ALPS id: goTaskList.",
35      "input_schema": {
```

```
{
  "name": "filterTasks",
  "description": "Retrieve a filtered list of tasks using filter",
  "input_schema": {
    "type": "object",
    "properties": {
      "title": { "type": "string" },
      "dueDate": { "type": "string", "format": "date" },
      "status": { "type": "string" },
      "priority": { "type": "integer" },
      "assignedUser": { "type": "string" }
    },
    "required": []
  },
  "response_schema": {
    "type": "object",
    "properties": {
      "tasks": {
        "type": "array",
        "items": { "$ref": "#/definitions/taskItem" }
      }
    }
  }
},
}
```

*MCP exposes API capabilities and
standardizes API interaction*

Bridging LLMs & APIs with MCP : The Five Shifts

- Intentions : MCP focuses on describing API intent
- Context : MCP adds capability details to the LLM context
- Standardization : MCP standardizes API/LLM interactions
- Discovery : MCP advertises actions as LLM “tools”
- Observation : MCPs generate signals that guide improvement

MCP enables your shift to AI-Ready APIs

Bridging LLMs & APIs with MCP : What we can do now

- Add “intention-style” identifiers to your API operations
- Focus on clear, complete input schemas
- Standardize response formats (including errors)

*Improved context metadata
empowers your MCP servers*

Bridging LLMs & APIs with MCP : Summary

- What is MCP?
 - An adaptor protocol for your APIs
- What does an MCP server do?
 - exposes capabilities, standardizes interactions
- MCP supports the five shifts
 - It enables your shift to AI-Ready APIs
- What we can do right now
 - Improving your context metadata empowers MCP servers

*MCPs are the bridge between
LLMs and your API*



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