



Custom MCP Server

Version: 20250820

Online Version

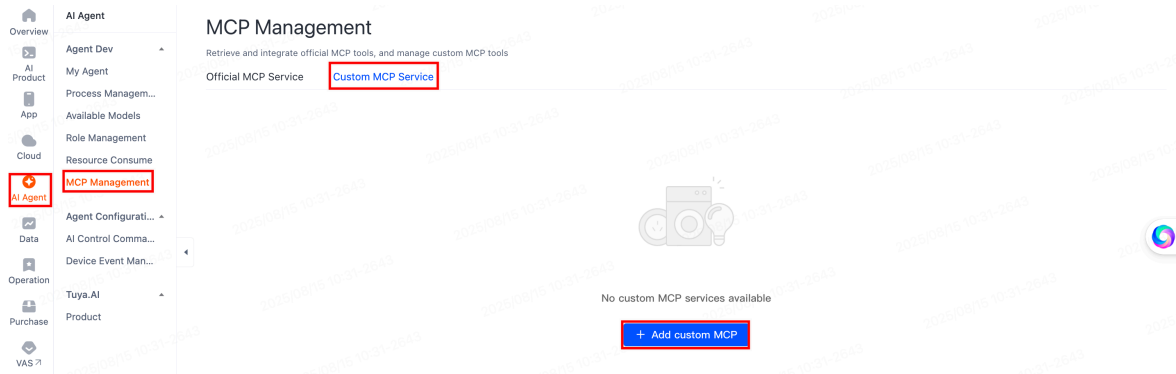
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This topic describes how to create and configure a custom MCP server and debug it in an agent.

1. Create custom MCP server

1. Log in to the [Tuya Developer Platform](#) .
2. Go to **MCP Management** > **Custom MCP Service**, and click **Add custom MCP**.



3. In the **Sign up MCP Server** dialog, enter the service name and description in Chinese and English, upload an image as the icon, and then click **Confirm** to save.

Sign up MCP Server



* Service Name (Chinese)

我的自定义MCP

* Service Description (Chinese)

我的自定义MCP

* Service Name (English)

MyCustomMCPServer

* Service Description (English)

MyCustomMCPServer

* Icon



Format: JPG, JPEG, or PNG.
Size: 3 MB or less.

Cancel

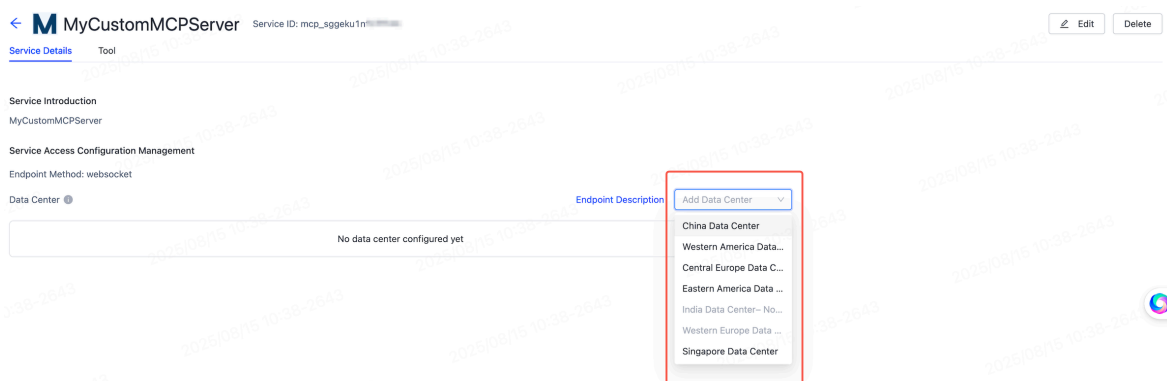
Confirm

2. Configure custom MCP server

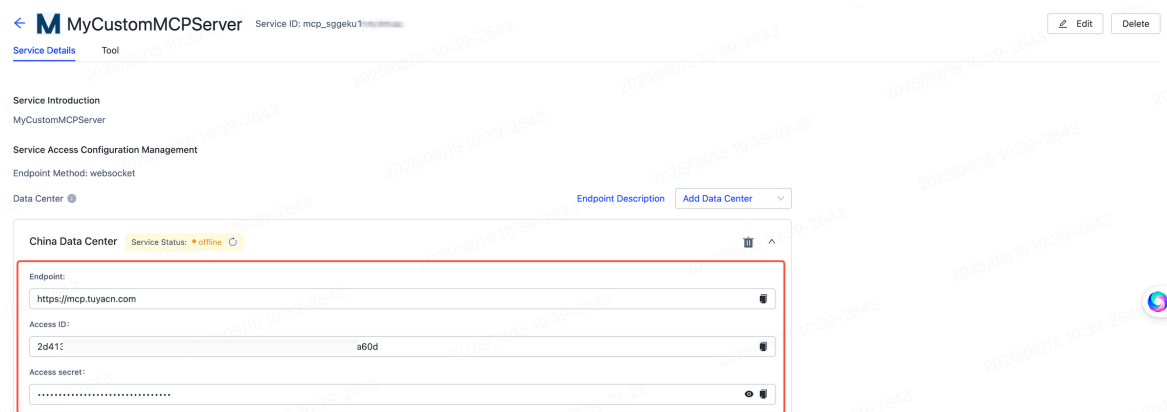
i

If your custom MCP service is deployed across multiple data centers, ensure consistent service versions and tool configurations in all data centers to prevent compatibility issues that may disrupt agent orchestration or cause functional failures.

1. After creating the MCP server, you will automatically be redirected to its **Service Details** page.
2. In the section of **Service Access Configuration Management > Data Center**, click **Add Data Center** on the right, select a data center as needed, and then click **OK**.



3. Click the selected data center, and you can see the **Endpoint**, **Access ID**, and **Access Secret**. Copy and paste the information to your local device. Please note that these parameters will be used when running the MCP SDK later. For more information, see the **README** in the [GitHub source code](#).



3. Access MCP server via SDK

Download the MCP SDK from [GitHub](#) and read the relevant documents.

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tuya-mcp-sdk (Public)

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About

A comprehensive SDK that empowers developers to integrate their custom capabilities with Tuya Cloud through the standardized Model Context Protocol (MCP), ensuring seamless connectivity and interoperability.

Readme

Apache-2.0 license

Activity

Custom properties

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0 watching

1 fork

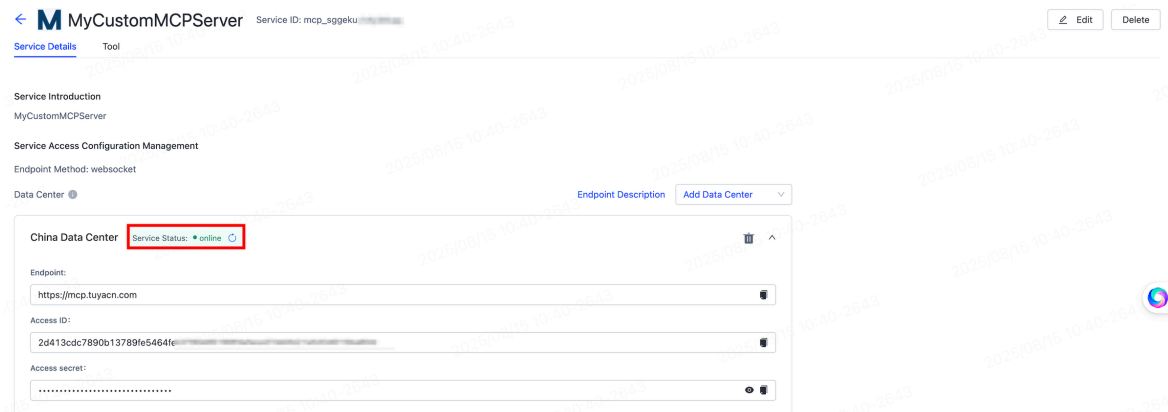
flyhawk1010	Optimize README	54b67b3 · 20 hours ago	2 Commits
docs	Initialization	last week	
mcp-golang	Initialization	last week	
mcp-python	Optimize README	20 hours ago	
.gitignore	Initialization	last week	
License	Initialization	last week	
README-zh.md	Initialization	last week	
README.md	Initialization	last week	

4. Run and debug MCP Server

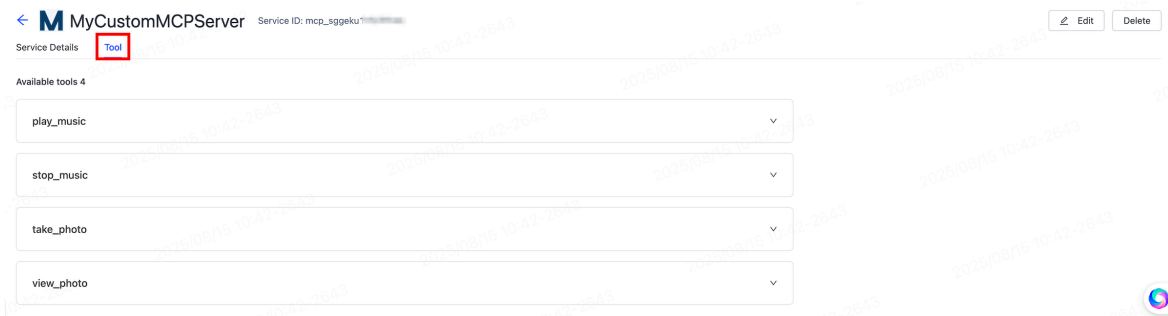
To ensure your custom MCP server operates properly, follow these steps to run and debug it within the agent environment:

4.1. Run and debug

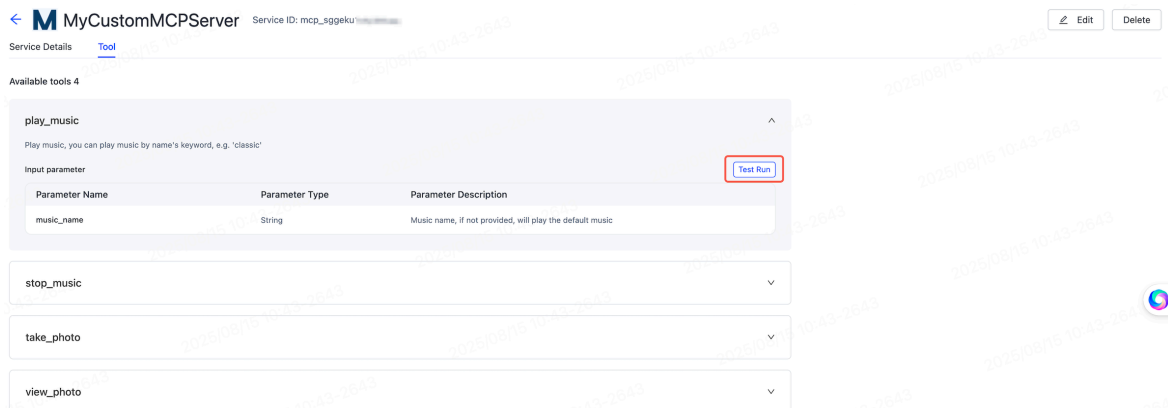
1. In the selected data center, check the service status of the MCP server.



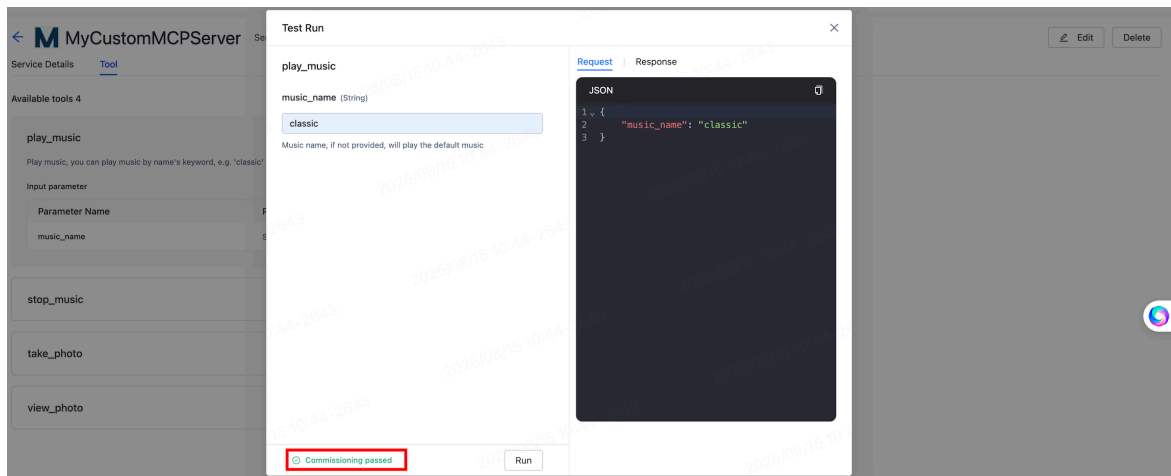
2. On the **Tool** tab, view the available tools for your MCP server.



3. Click **Test Run** to test your desired tool.

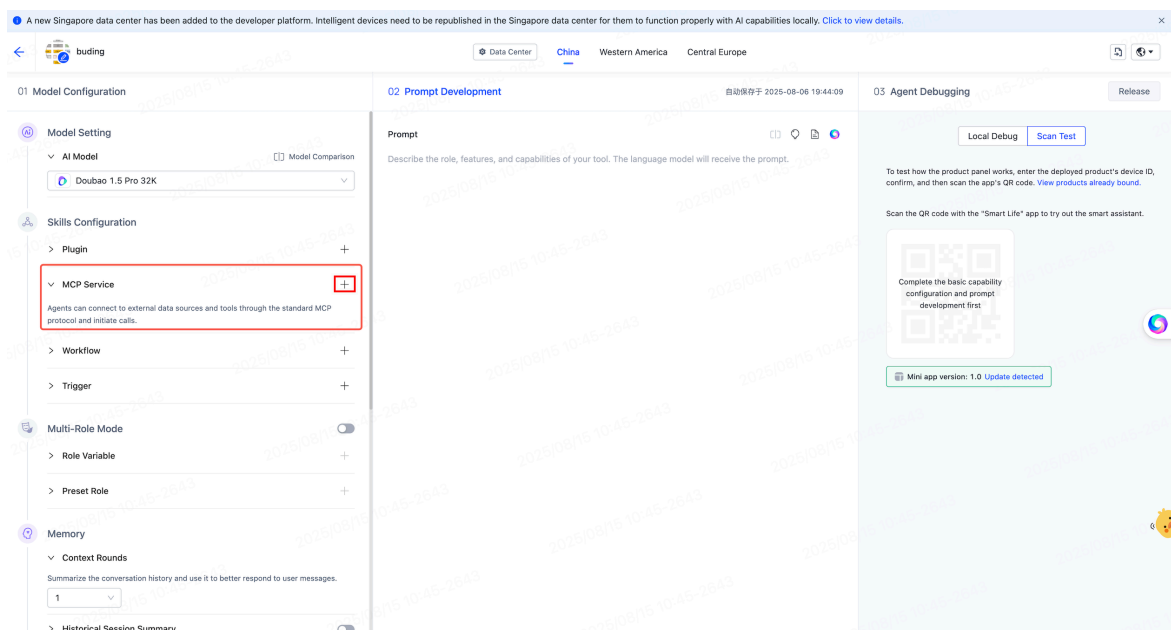


4. In the **Test Run** window, click **Run**. When **Commissioning passed** appear in the lower left corner, the MCP tool has been debugged successfully.

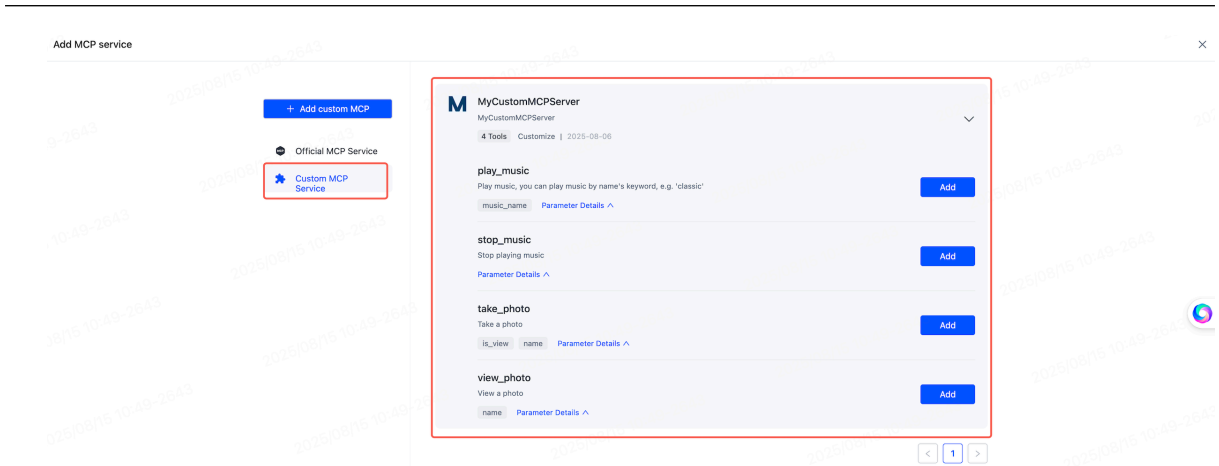


4.2. Add server to agent

1. Go to the **My Agent** page, click **Develop** in the **Operation** column.
2. In the section **01 Model Configuration > Skills Configuration**, find **MCP Service** and click **+** on the right.



3. On the **Add MCP service** page, click **Custom MCP Service** and add the desired MCP server to your agent.



So far, you have completed the development and debugging process of a custom MCP server.