

Let's build an MCP Server for our on premise Jira Instance



Sven Sieverding

**Copilot
Community
Conference**

Admin-Track

Admin-Track



<https://github.com/365knoten/MCPJira>



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Admin-Track

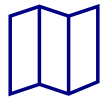
team neusta



1.300 + Employees



Founded in 1993



DACH Region



28 Companies







Backlog



QUICK FILTERS:

Only My Issues

Recently Updated

VERSIONS

EPICS

Mars Landing! 6 issues

Start Sprint



<input checked="" type="checkbox"/>	TIS-1 Spaceship tracker app updates	8.0	Mars Landing	
<input checked="" type="checkbox"/>	TIS-2 Verify the landing site			
<input type="checkbox"/>	TIS-3 Enter the landing trajectory into the landing module		Mars Landing	1
<input type="checkbox"/>	TIS-4 Send the pre-landing report to Earth		Mars Landing	1
<input type="checkbox"/>	TIS-5 Cleanup the landing site		Mars Landing	2
<input type="checkbox"/>	TIS-6 Hire the team			5

+ Create issue



6 issues

Estimate 9

Backlog 5 issues

Create Sprint



<input checked="" type="checkbox"/>	TIS-10 Complete ignition tests			
<input type="checkbox"/>	TIS-11 Prepare for the Saturn Shoot		Saturn Shoot	
<input type="checkbox"/>	TIS-12 Design a new rocket		Saturn Shoot	
<input checked="" type="checkbox"/>	TIS-13 Get Hubble working again		Space Exploration	
<input type="checkbox"/>	TIS-14 Research the Space Exploration project		Space Exploration	

+ Create issue



Teams in Space / TIS-1

Spaceship tracker app updates

Details

Status: **TO DO** (View)

Priority: **Medium**

Component/s: **Spaceship**

Labels: **rocket** **spaceship**

Affects Version/s: **None**

Fix Version/s: **8.0**

Epic Link: **Mars Landing**

People

Reporter: Captain

Assignee: Master

[Assign to me](#)

Dates

Created: **40 minutes** ago

Updated: **2 minutes** ago

Description

[Click to add description](#)

Comments

There are no comments yet on this issue

"Dieses Foto" von Unbekannter Autor ist lizenziert gemäß [CC BY-SA-NC](#)



Admin-Track



er by title

Jira Cloud

Setup

Troubleshooting

> Jira Data Center

> Coda Enterprise

> CSV

> Egnyte

> Enterprise websites Cloud

> Enterprise websites on-
premises

> File Share

> GitHub



> GitLab (preview)

> Gong (preview)

> Google Drive

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... / Set up prebuilt connectors /

 Ask Learn Focus mode

In this article

[Capabilities](#)[Limitations](#)[Prerequisites](#)[Get started](#)[Custom setup](#)[Troubleshooting](#)

Atlassian Jira Cloud Copilot connector

05/21/2025

The Atlassian Jira Cloud Microsoft 365 Copilot connector allows your organization to index Jira issues. After you configure the connector and index content from the Jira site, end users can search for those items in Microsoft Search and Microsoft 365 Copilot.

This article is for Microsoft 365 administrators or anyone who configures, runs, and monitors an Atlassian Jira Cloud Copilot connector.

Important

The Atlassian Jira Cloud Copilot connector supports **only Jira cloud-hosted** instances. Jira Server and Jira Data Center versions are not supported by this connector.

Search by title

Jira Data Center

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> iManage

... / Set up prebuilt connectors /



Ask Learn



Focus mode



In this article

Capabilities

Prerequisites

Get started

Custom Setup

Review and test your c

Troubleshooting

Atlassian Jira Data Center Microsoft 365 Copilot connector (preview)

08/15/2025

The Jira Data Center Microsoft 365 Copilot connector enables your organization to index Jira Data Center issues and related data, making them easily discoverable and actionable within the Microsoft 365 ecosystem.

This article is intended for Microsoft 365 administrators who are responsible for configuring, running, and monitoring the Jira Data Center Microsoft 365 Copilot connector. It supplements the general instructions provided in [Set up Microsoft 365 Copilot connectors in the Microsoft 365 admin center](#).

Cool, aber

Stuff to do:

- Identitäten Mappen
- SSO konfigurieren
- Was passiert mit unseren Gast Usern
- Will das jede der Tochter-Companies?
-



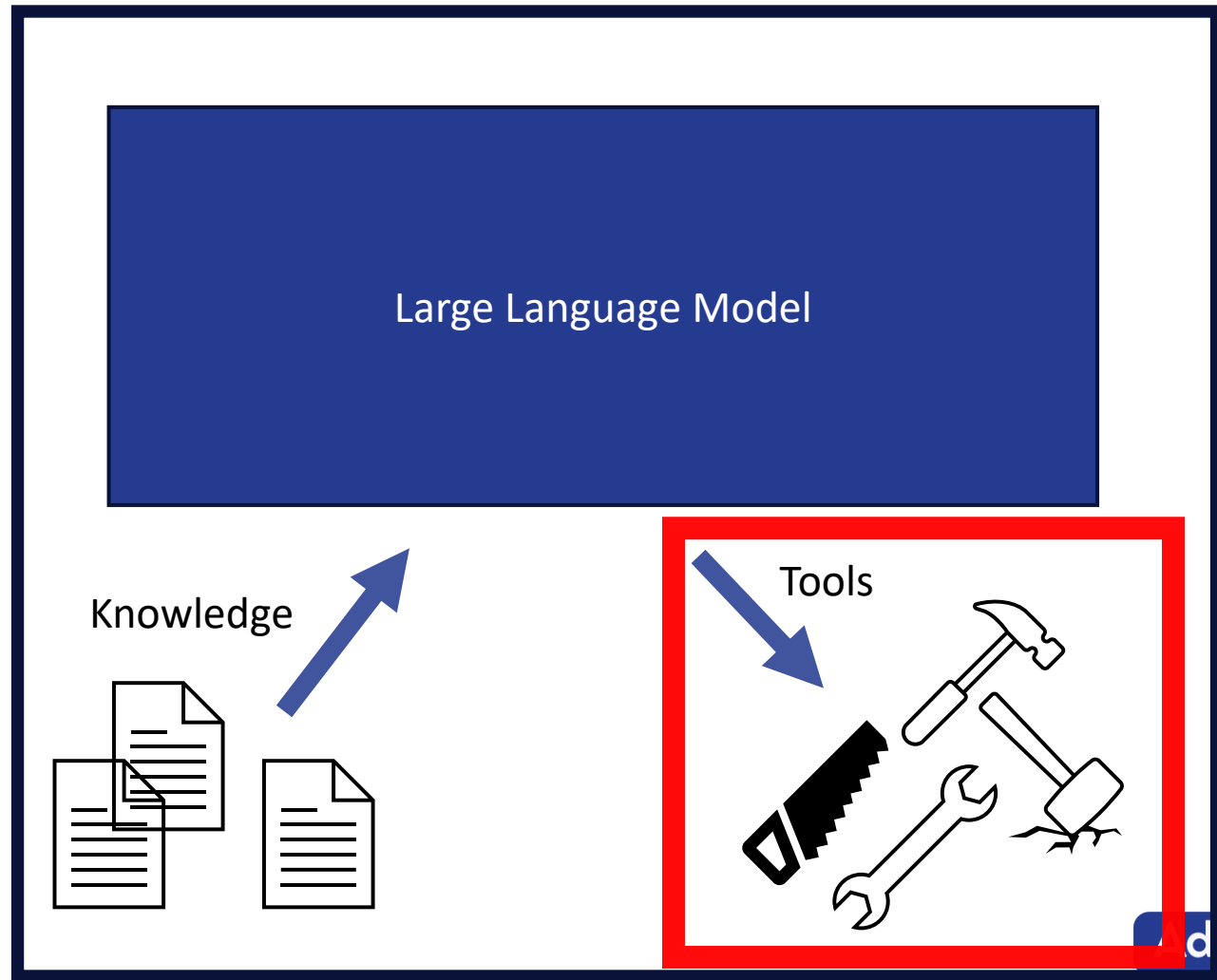
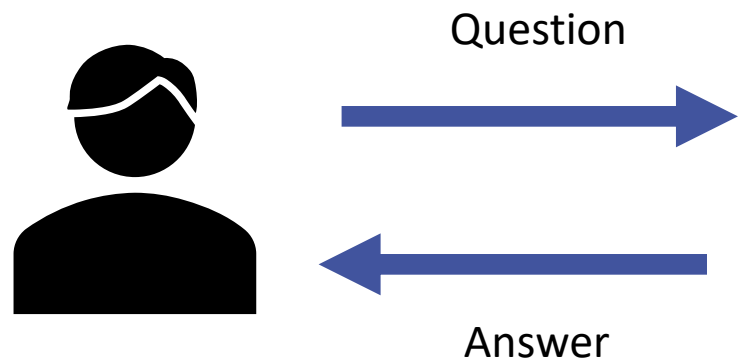
Aber ich will
es JETZT
haben...



OK, dann bauen
wir unseren
eigenen Server




Agent



M o d e l
C o n t e x t
P r o t o c o l



What is the Model Context Protocol (MCP)?

 Copy page

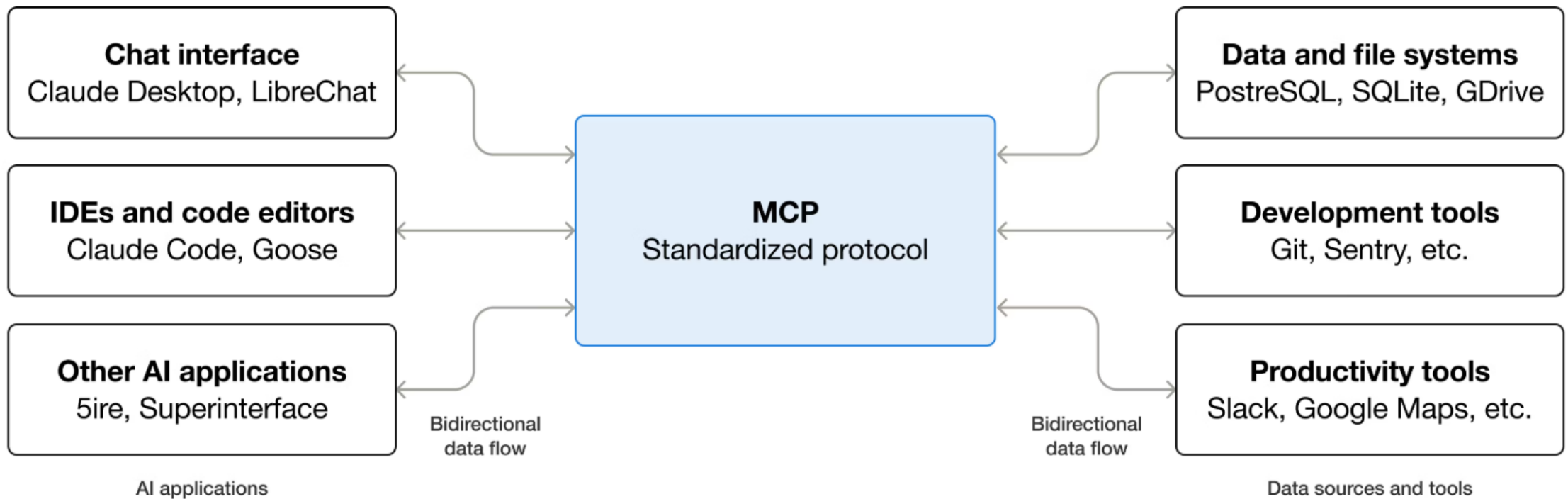
<https://modelcontextprotocol.io/>

MCP (Model Context Protocol) is an open-source standard for connecting AI applications to external systems.

Using MCP, AI applications like Claude or ChatGPT can connect to data sources (e.g. local files, databases), tools (e.g. search engines, calculators) and workflows (e.g. specialized prompts)—enabling them to access key information and perform tasks.

Think of MCP like a USB-C port for AI applications. Just as USB-C provides a standardized way to connect electronic devices, MCP provides a standardized way to connect AI applications to external systems.





Local MCP Server

- Uses stdio as transport
- Runs on the same PC as the AI app
- Can access local resources on the client
- i.e. Github Copilot, Claude Desktop

Remote MCP Server

- Uses HTTP as transport
- Runs on a server
- Can be shared by multiple users online
- i.e. ChatGpt, Microsoft Copilot



```

10      "servers": {
11          "Jira": {
25      },
26      "JiraSSE": {
27          "url": "http://localhost:5000",
28          "type": "sse",
29          "headers": {
30              "X-API-KEY": "${input:api-key = *****}"
31          }
32      },
33      "JiraAzure": {
34          "url": "https://jiramcp-hbfcczbpecbehtdp.germanywestcentral-01.azure
35          "type": "sse",
36          "headers": {
37              "X-API-KEY": "${input:api-key = *****}"
38          }
39      }
40  }
41  }

```

Add Server...

List all issues that are assigned to me and that are still open.
respond in english and format the results in a table

JiraAgent

Key	Title	Status	Priority
TEST-123-4567	[ABC] Greeting Weekly 25.09.2025	Open	Low
TEST-123-4568	[ABC] Weiterführung Governance & Compliance 25.09.2025	Open	Low
TEST-123-4569	[ABC] Interner Kommunikation 2.0 26.09.2025	Open	Low
TEST-123-4570	[ABC] AI Design Sprint by Team Alpha - Abstimmergebnisse 25.09.2025	Open	Low
TEST-123-4571	[ABC] Weekly AI 26.09.2025	Open	Low
TEST-123-4572	[ABC] Abrechnung Greeting 25.09.2025	Open	Low

Nachricht an Copilot



MCP mit dotnet core (alt)

```
dotnet new console -n MyMcpServer  
cd MyMcpServer
```

```
dotnet add package ModelContextProtocol --prerelease  
dotnet add package Microsoft.Extensions.Hosting
```



MCP mit dotnet core (neu)

```
dotnet new install Microsoft.Extensions.AI.Templates
```

```
dotnet new mcpserver -n MyMcpServer  
cd MyMcpServer
```



Demo time!



Copilot Studio Integration




```
1  swagger: '2.0'
2  info:
3    title: MCP Server
4    description: A MCP to use our Jira Instance
5    version: 1.0.0
6  host: jiramcp-hbfcczbpecbehtdp.germanywestcentral-01.azurewebsites.net
7  basePath: /
8  schemes:
9    - https
10 consumes: []
11 produces: []
12 paths:
13   /:
14     post:
15       summary: MCP Server Streamable HTTP
16       x-ms-agentic-protocol: mcp-streamable-1.0
17       operationId: InvokeMCP
18       responses:
19         '200':
20           description: Success
21 definitions: {}
22 parameters: {}
23 responses: {}
24 securityDefinitions:
25   api_key:
26     type: apiKey
27     in: header
28     name: X-API-KEY
29 security:
30   - api_key: []
31 tags: []
32
```





<https://github.com/365knoten/MCPJira>



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