

Generate and extend apps based on SAP Fiori elements with Joule using MCP Servers



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Marian Zeis – Independent SAP Developer

Announcing

Use Your Tool of Choice



Visual Studio Code

Claude

Cline

Codex

CURSOR

Windsurf

and more



GA now

MCP



CAP



SAP Fiori



SAPUI5



Mobile



ABAP

EXPLORER

VALUECONTRACTMANAGEMENT

- > .clinerules
- > .vscode
- > app
- > build
- > db
- > srv
- > workzone

The **Model Context Protocol** enables communication with locally running MCP servers that provide additional tools and resources to extend Cline's capabilities. You can use **community-made servers** or ask Cline to create new tools specific to your workflow (e.g., "add a tool that gets the latest npm docs"). [See a demo here.](#)

> cds-mcp

> ui5-mcp

> fiori-mcp

Configure MCP Servers

CLINE

\$0.0000

Add the prospectReport field to the object page for ValueContracts entities. It should use the sap.ui.core.HTML component so that it can properly display HTML. This field should be placed on the page below the row containing the other fields- it should be large enough to display an HTML report that is readable. Use the MCPs

0 200.0k

Let me start by using the CDS MCP to search for the valueContracts entity.

Cline wants to use a tool on the cds-mcp MCP server:

search_model

Returns CDS model definitions (CSN), including elements, annotations, parameters, file locations and HTTP endpoints. Useful for building queries, OData URLs, or modifying models.

ARGUMENTS

```
{  "projectPath": "/Users/D023494/projects/git/ValueContra  "name": "ValueContracts",  "kind": "entity"}
```

Auto-approve: Safe Commands

Cancel

Type a message...

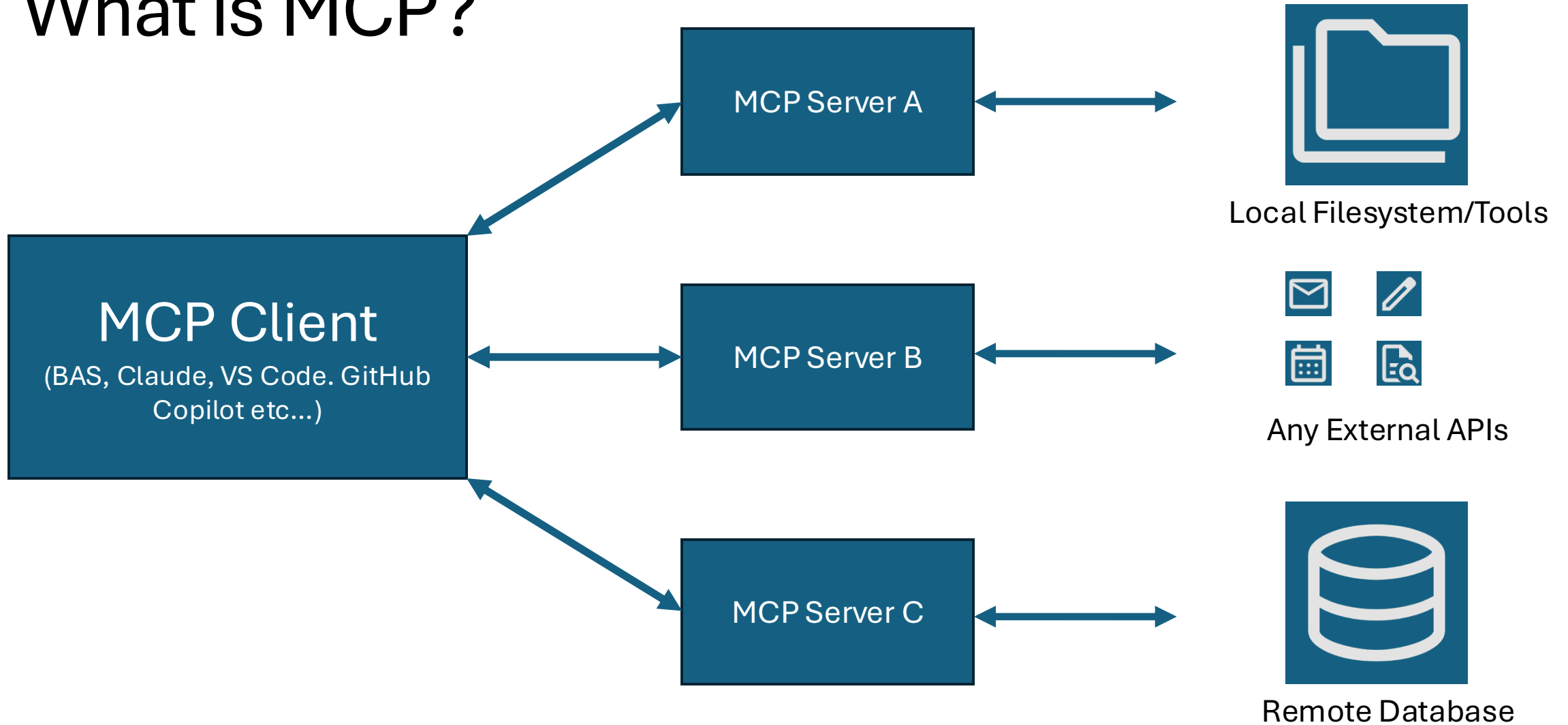
Type @ for context, / for slash commands & workflows, hold shift to drag

@ + 📄 🗑️ sapaicore:anthropic--claude-4-sonnet

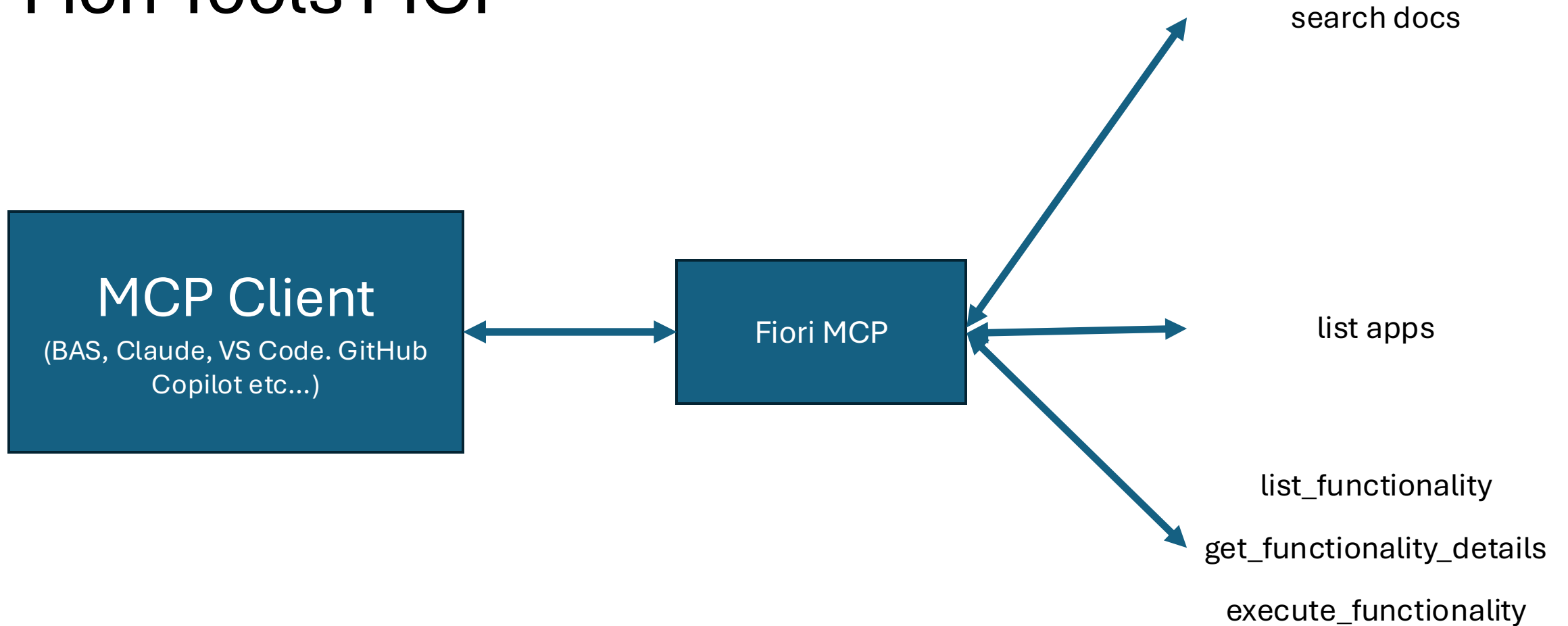
Plan Act



What is MCP?



Fiori Tools MCP

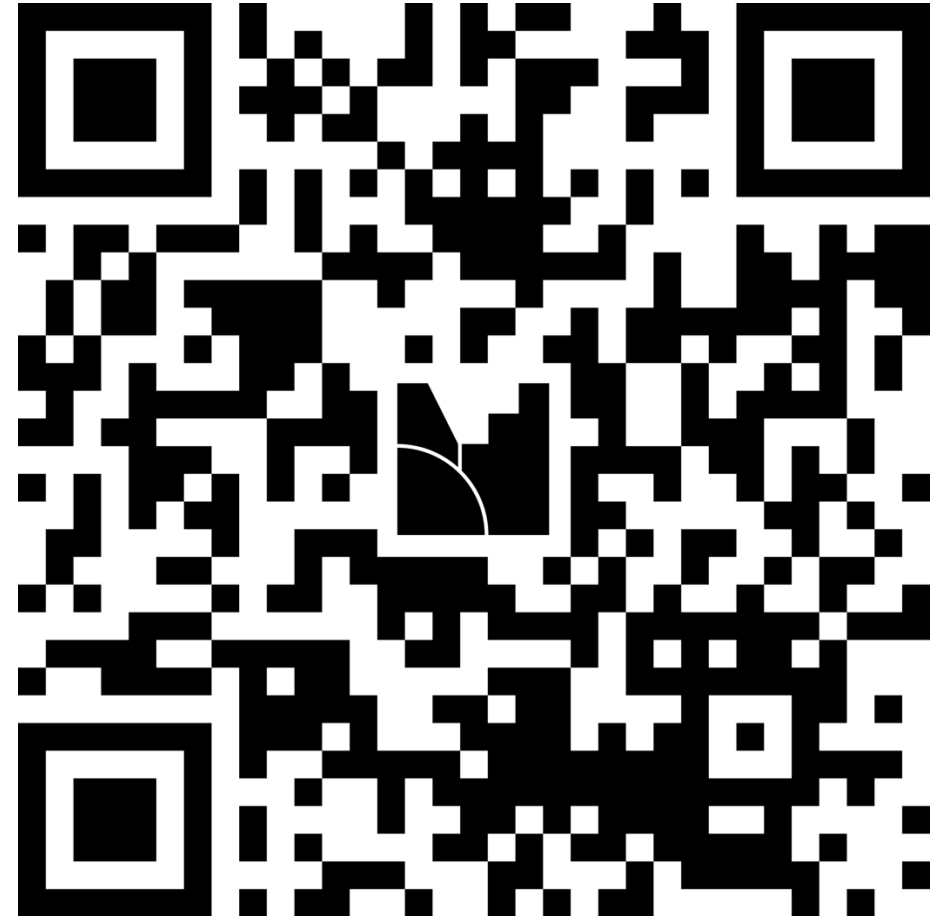


What is possible with BAS TODAY?

Presentation & Links



Survey



- # SAP Business Application Studio (BAS) and Remote Development
 - SAP BAS – Working remotely from VS Code
 - <https://help.sap.com/docs/bas/sap-business-application-studio/working-remotely?locale=en-US>
 - (Official guide to attach VS Code to a BAS dev space and work remotely.)
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- SAP Business Application Studio Toolkit (VS Code)
 - <https://marketplace.visualstudio.com/items?itemName=SAPOSS.app-studio-toolkit>
 - (Extension that lets VS Code talk to BAS.)
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- SAP Business Application Studio Remote Access (VS Code)
 - <https://marketplace.visualstudio.com/items?itemName=SAPOSS.app-studio-remote-access>
 - (Provides remote access features from VS Code to BAS.)
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- Open VSX Registry
 - <https://open-vsx.org/>
 - (Marketplace BAS can actually consume to install VS Code–like extensions.)
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- Community walkthrough: Access SAP BAS as remote from VS Code
 - <https://community.sap.com/t5/technology-blog-posts-by-members/access-sap-business-application-studio-as-a-remote-from-visual-studio-code/ba-p/13565427>
 - (Example blog that shows VS Code ⇌ BAS remote setup.)
-
- GitHub – SAP/app-studio-toolkit
 - <https://github.com/SAP/app-studio-toolkit>
 - (Source + issues for the VS Code toolkit for BAS.)

- # MCP – SAP-flavoured servers
 - UI5 MCP Server (npm)
 - <https://www.npmjs.com/package/@ui5/mcp-server>
 - (Open-source MCP server that gives AI agents UI5-specific tools: create UI5 projects, detect/fix UI5 issues, access UI5 APIs.)
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- CAP MCP Server (npm)
 - <https://www.npmjs.com/package/@cap-js/mcp-server>
 - (MCP server for SAP CAP projects; lets agents inspect CDS, services, entities and answer CAP-specific questions.)
-
- SAP Fiori MCP Server (npm)
 - <https://www.npmjs.com/package/@sap-ux/fiori-mcp-server>
 - (MCP server from SAP UX team so AI assistants can create/modify/discover Fiori and Fiori elements apps.)
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- SAP community intro to UI5 MCP server
 - <https://community.sap.com/t5/technology-blog-posts-by-sap/give-your-ai-agent-some-tools-introducing-the-ui5-mcp-server/ba-p/14200825>
 - (Background article about why SAP made the UI5 MCP server.)
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- SAP community: first release of the SAP Fiori MCP server
 - <https://community.sap.com/t5/technology-blog-posts-by-sap/sap-fiori-tools-update-first-release-of-the-sap-fiori-mcp-server-for/ba-p/14204694>
 - (Details and examples for the Fiori MCP server.)
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- SAP Documentation Community MCP Server
 - <https://github.com/marianfoo/mcp-sap-docs>

- # MCP – General / Spec
- MCP overview (OpenAI)
- <https://developers.openai.com/apps-sdk/concepts/mcp-server/>
- (Concepts, how to expose tools/data to AI using MCP.)
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- Anthropic – MCP announcement background
- <https://www.anthropic.com/news/model-context-protocol>
- (Why MCP exists and how agentic tools plug into it.)
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- # Agent / IDE clients you can run in BAS
- Cline on Open VSX
- <https://open-vsx.org/extension/saoudrizwan/claude-dev>
- (MCP-capable coding agent extension – installable in BAS.)
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- Cline docs
- <https://docs.cline.bot/getting-started/installing-cline>
- (How to install/configure Cline, including MCP.)
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- # Claude Code
- Claude Code product page
- <https://www.claude.com/product/claude-code>
- (Anthropic's agentic coding tool – runs in terminal or VS Code, can hook into MCP.)
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- # Cursor (for remote BAS + local MCP)
- Cursor – main site
- <https://cursor.com/>
- (AI-powered VS Code fork – many people use it against BAS via SSH.)
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- Cursor CLI
- <https://cursor.com/cli>
- (Command-line AI agent from Cursor; good if you want Claude-Code-like terminal experience.)
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- Cursor CLI docs
- <https://cursor.com/docs/cli/overview>
- (How to run the CLI, call agents, and integrate into your terminal.)
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- VS Code Remote SSH docs
- <https://code.visualstudio.com/docs/remote/ssh>
- (What Cursor/VS Code actually use to talk to a remote workspace like BAS.)