Microsoft

Accelerating Infrastructure as Code development with MCP and Bicep

By Bernie White

Hello

Bernie White

Software Engineer

Speaker, inventor of PSRule, Software Engineer, DevOps, and Cloud Solution Architect at Microsoft.

Focusing on the DevOps Infrastructure as Code problem space for the last five years, I spend a lot of time talking to customers around DevOps and Azure governance.

Bernie White | LinkedIn

https://aka.ms/ps-rule-azure

Model Context Protocol (MCP)

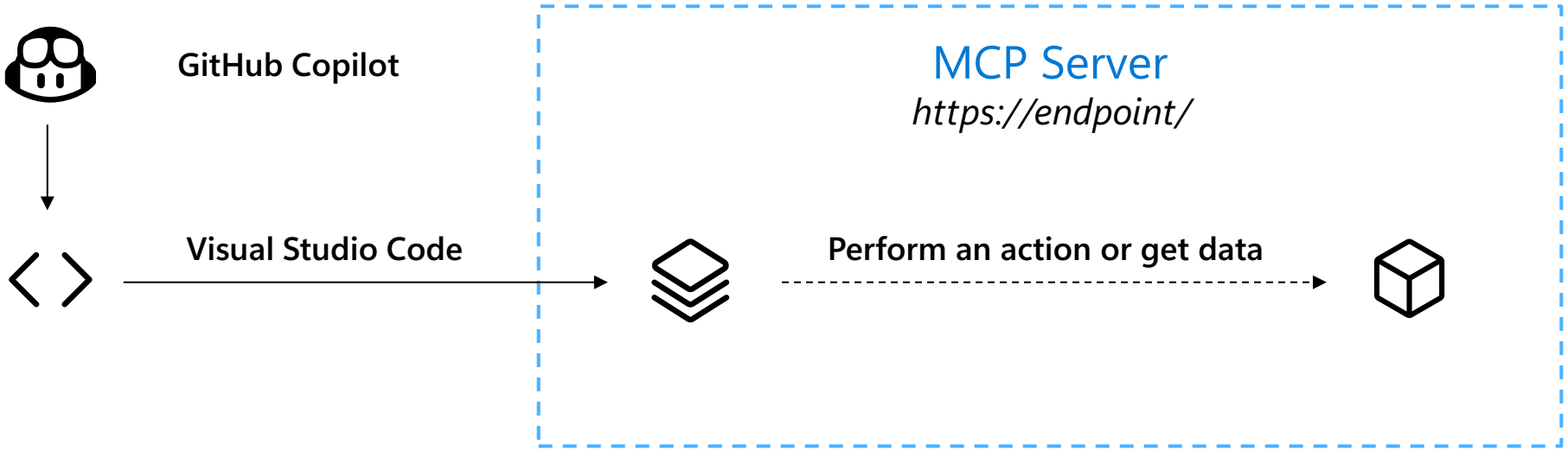
In short: Is a standard API that AI systems know how to use to add context dynamically.

https://modelcontextprotocol.io/overview

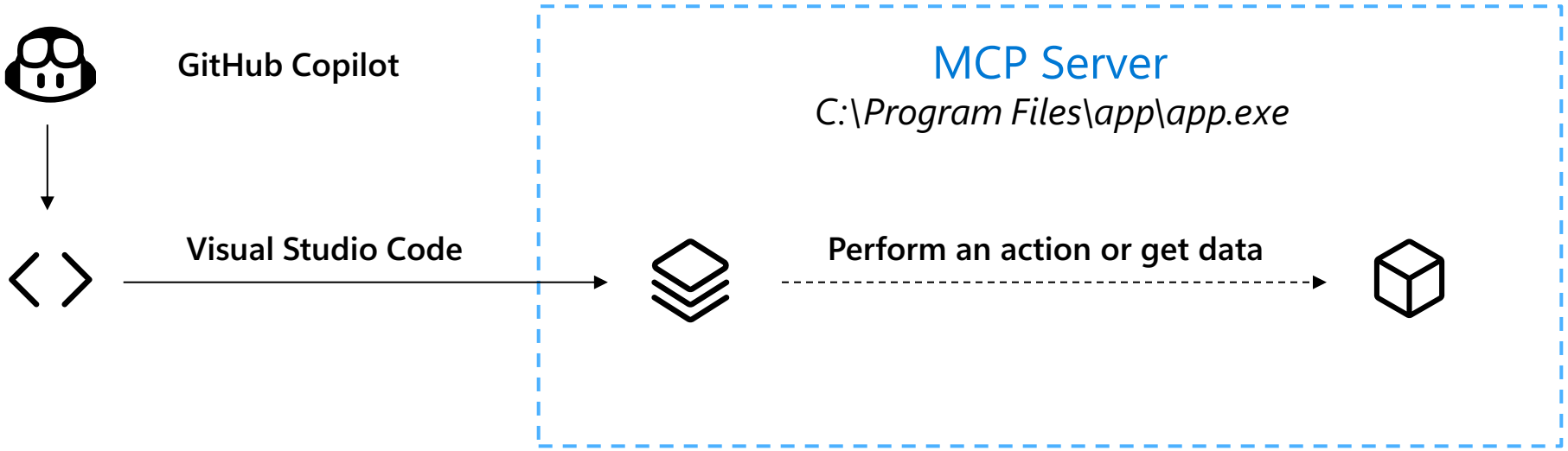
AI-enabled tools are powerful, but they're often limited to the information you manually provide or require bespoke integrations.

Whether it's reading files from your computer, searching through an internal or external knowledge base, or updating tasks in an project management tool, MCP provides a secure, standardized, *simple* way to give AI systems the context they need.

Via HTTPS


GitHub Copilot
Visual Studio Code
MCP Server
https://endpoint/
Perform an action or get data

Via Stdio


GitHub Copilot
Visual Studio Code
MCP Server
C:\Program Files\app\app.exe
Perform an action or get data

Demos

Microsoft

© Copyright Microsoft Corporation. All rights reserved.