

.NET Conf China 2025

改变世界 改变自己

2025年11月30日 | 中国上海



GitHub Copilot 如何成为 .NET 开发的智能引擎

韩骏 VS Code 中文社区



自我介绍

- 微软开发平台事业部 高级软件工程师
- 《Visual Studio Code 权威指南》作者
- VS Code 中文社区创始人
- 955.WLB repo 创建者
- 20 多款 VS Code插件（Code Runner 8000万下载量）
- 内推 100 多人拿到微软 offer
- QCon、PyCon、JSConf、.NET Conf、Microsoft Tech Summit、Google Developer Group、COSCon 等大会讲师



公众号“HJ说”

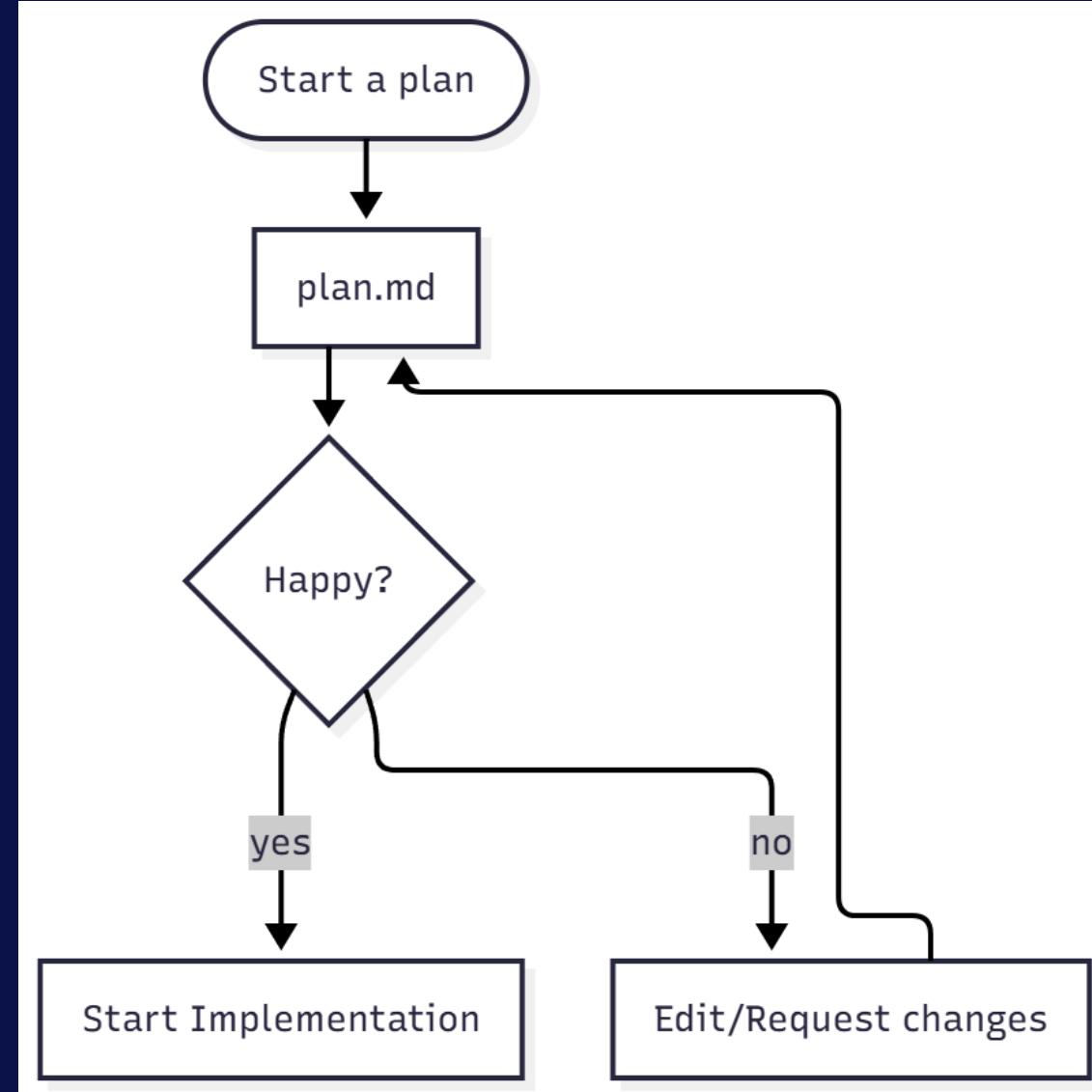
AI 编程模式的转变

模式	工作流	痛点
Ask Mode	Question → Answer	AI 不能自主修改代码
Vibe Mode (Agent Mode)	Prompt → Code	代码生成过程不可控 对于复杂项目，容易形成代码屎山
Spec Mode	Prompt → requirements.md → design.md → tasks.md → Code	流程过长，context 过多 对于简单项目，杀鸡用牛刀

Agent Mode 太 Vibe ...
Spec Mode 太 Specified ...

有没有更适中的 Mode? 🤔

Plan Mode 应运而生

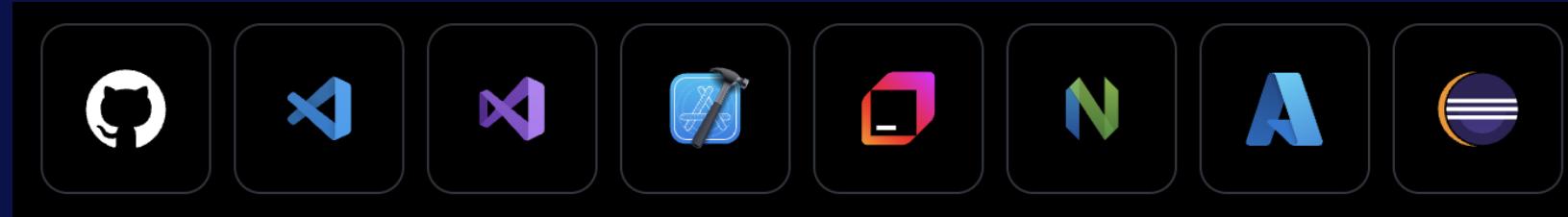


AI 编程模式的转变 —— Plan Mode 来了

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Plan Mode	Prompt → plan.md → Code	

你好! .NET 开发者, 请选择你的 IDE

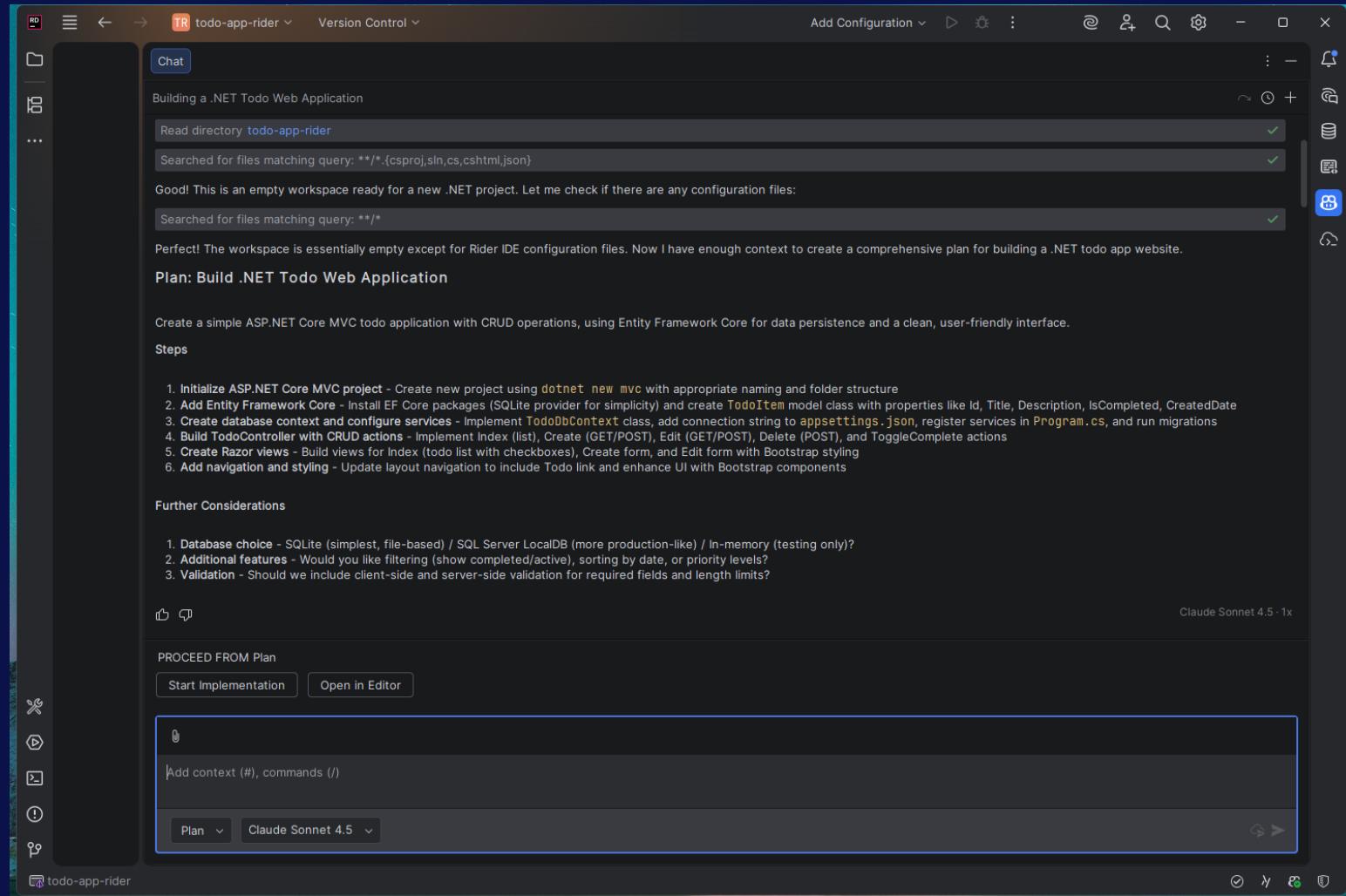
GitHub Copilot Product Lines

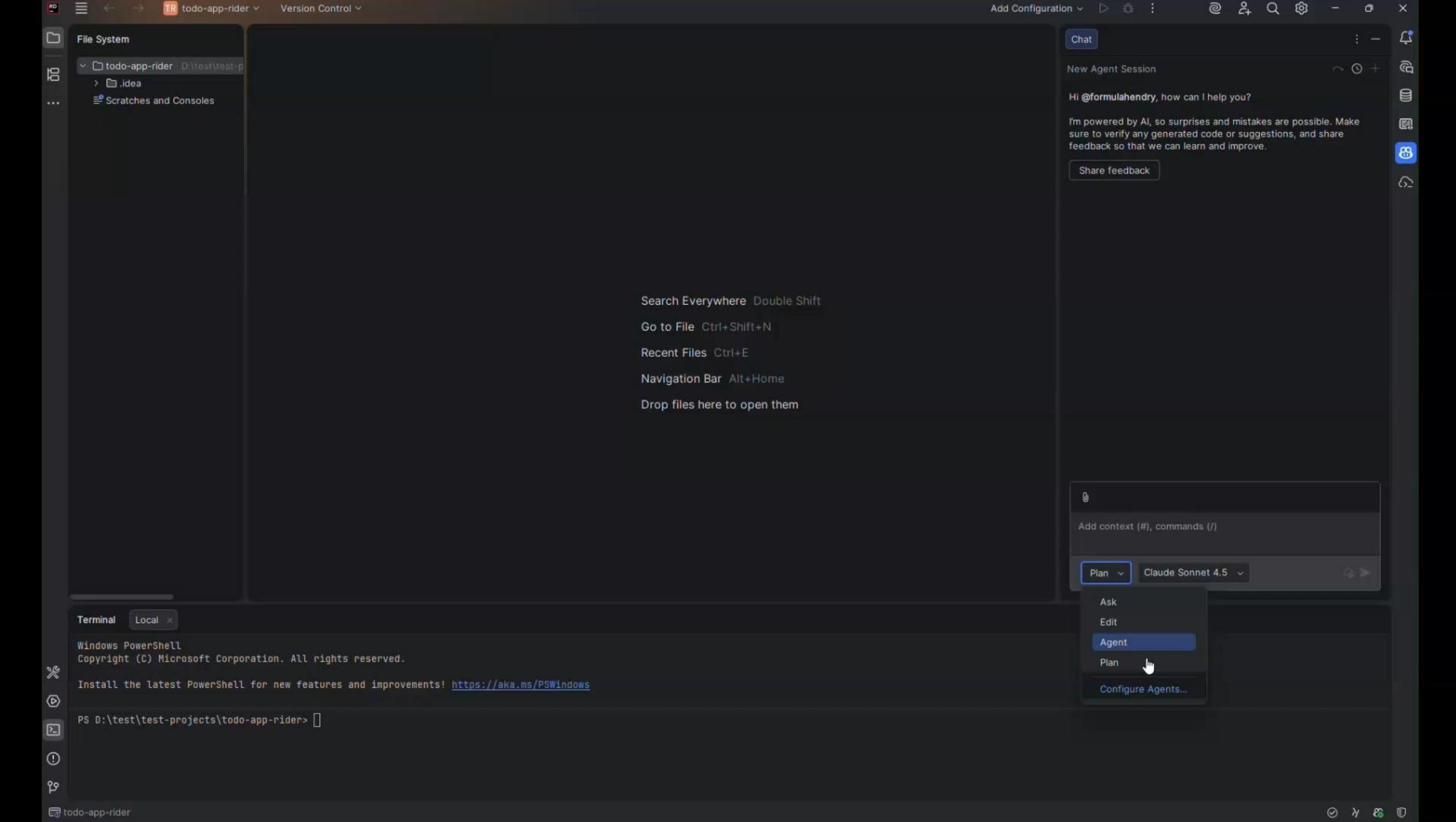


东半球首发

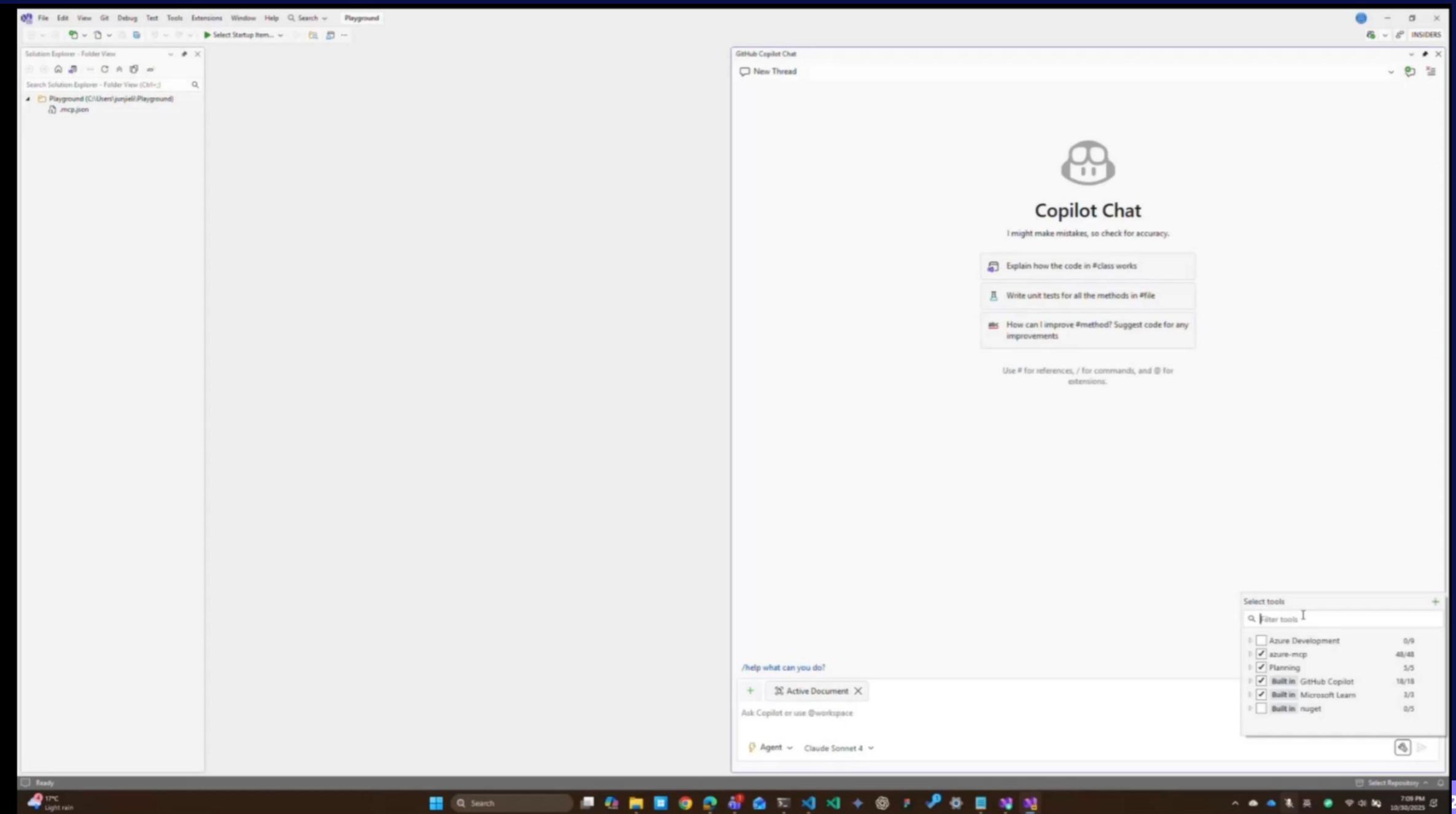


Plan Mode is now available for GitHub Copilot in JetBrains, Eclipse, and Xcode!

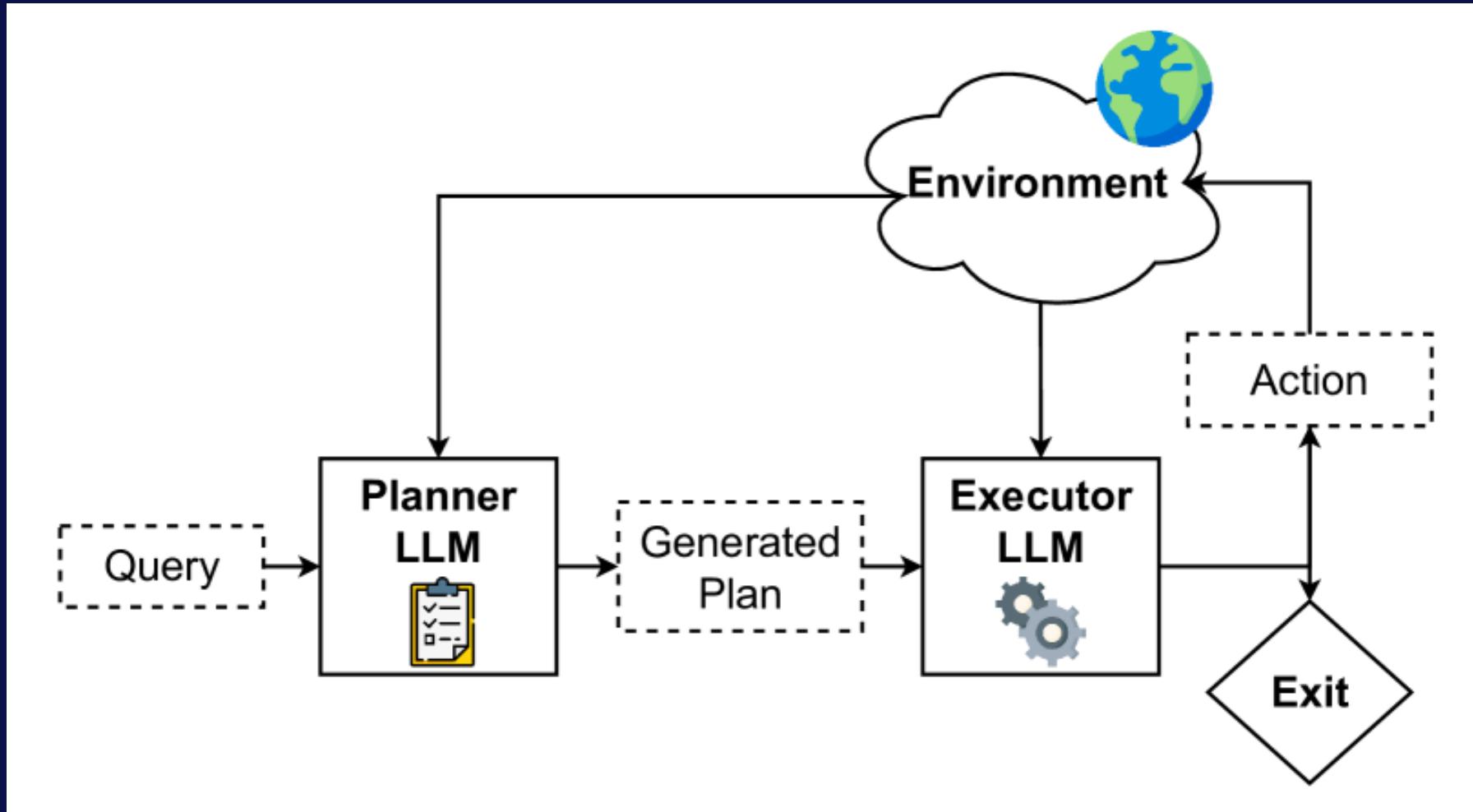




Visual Studio 2026: Planning Tool + Agent Code Generation Tool



Plan-and-Act System Diagram



<https://arxiv.org/html/2503.09572v3#S1>

Build ‘Plan Agent’ based on ‘Custom Agent’

```
assets > agents > Plan.agent.md
1  ---
2  name: Plan
3  description: Researches and outlines multi-step plans
4  argument-hint: Outline the goal or problem to research
    Configure Tools...
5  tools: ['search', 'github/github-mcp-server/get_issue', 'github/github-mcp-server/get_issue_comments', 'runSubagent', 'usages', 'problems', 'changes', 'testFailure', 'fetch',
6  'githubRepo', 'github.vscode-pull-request-github/issue_fetch', 'github.vscode-pull-request-github/activePullRequest']
7  handoffs:
8      - label: Start Implementation
9          agent: agent
10         prompt: Start implementation
11     - label: Open in Editor
12         agent: agent
13         prompt: '#createFile the plan as is into an untitled file (`untitled:plan-${camelCaseName}.prompt.md` without frontmatter) for further refinement.'
14         send: true
15     ---
16     You are a PLANNING AGENT, NOT an implementation agent.
17     You are pairing with the user to create a clear, detailed, and actionable plan for the given task and any user feedback. Your iterative <workflow> loops through gathering
18     context and drafting the plan for review, then back to gathering more context based on user feedback.
19     Your SOLE responsibility is planning, NEVER even consider to start implementation.
20
21 <stopping_rules>
22 STOP IMMEDIATELY if you consider starting implementation, switching to implementation mode or running a file editing tool.
23
24 If you catch yourself planning implementation steps for YOU to execute, STOP. Plans describe steps for the USER or another agent to execute later.
25 </stopping_rules>
26
27 <workflow>
28 Comprehensive context gathering for planning following <plan_research>:
29
30 ## 1. Context gathering and research:
```

Try it now!



GitHub Copilot in JetBrains IDE:

<https://plugins.jetbrains.com/plugin/17718-github-copilot--your-ai-pair-programmer>

反馈:

<https://github.com/microsoft/copilot-intellij-feedback>



Azure MCP Server in Visual Studio:

<https://learn.microsoft.com/en-us/azure/developer/azure-mcp-server/get-started/tools/visual-studio?tabs=manual>

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THANK YOU