AI-Powered Kubernetes Troubleshooting

Agenda

01 Cline

02 LLM

03 MCP

04 Problem & Solution

05 Workflow & Demo

What is Cline ?

Cline is a command-line chat interface that allows you to talk to an LLM using natural language — directly from your terminal.

LLM (Large Language Model)

A Large Language Model (LLM) is an advanced AI model trained on massive text data to understand, generate, and interact with human language.

MCP (Model Context Protocol)

Model Context Protocol (MCP) is a framework that connects LLMs to real-world tools and systems like Kubernetes, AWS, GitHub, etc

Pod Failed...

Traditional Way

Google Search

Steps

Takes Hours

LLM

Ask LLM what's Wrong

Steps

Can not take action

Work with Pretrained Data

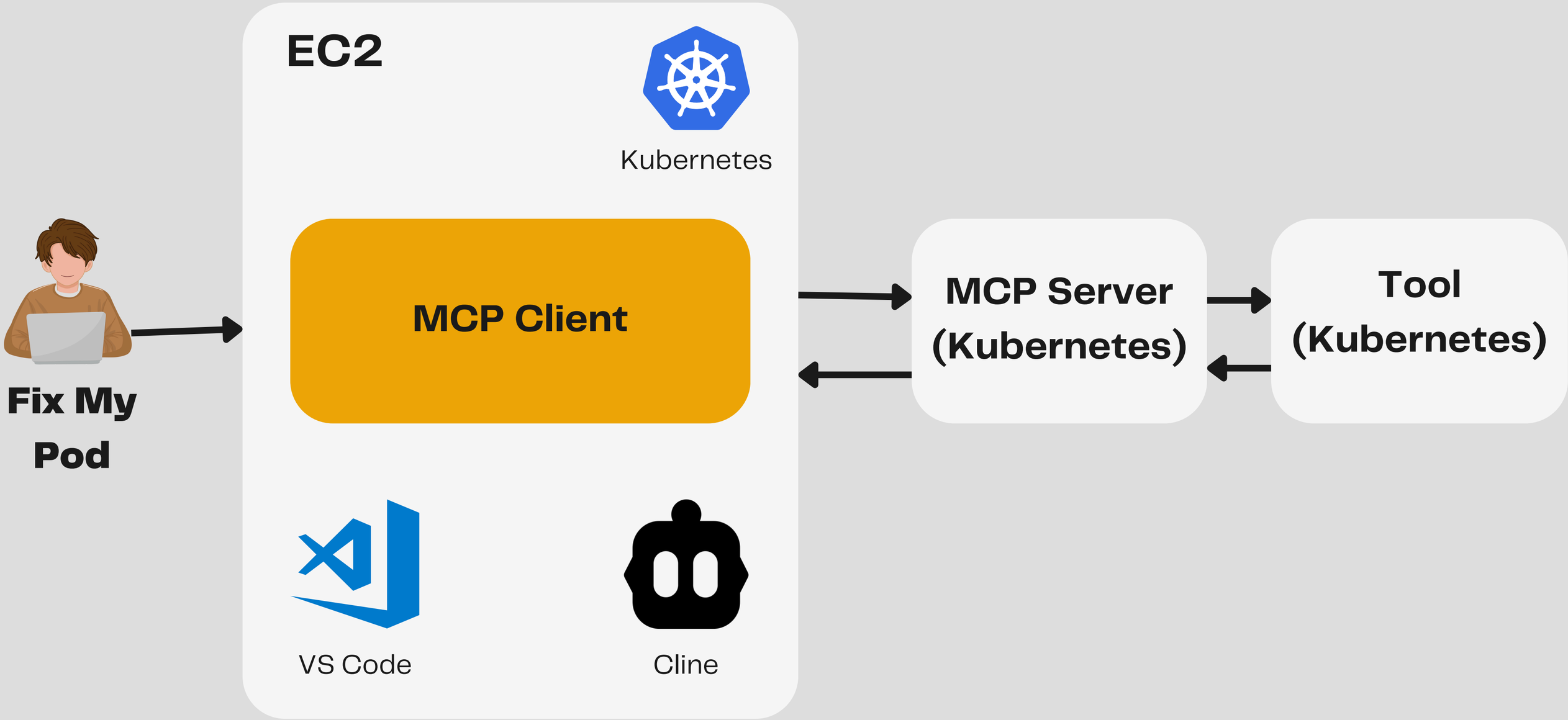
MCP

Plug Any MCP Tools

Take action & Validate Changes

Takes Minutes

Complete Automation


EC2
Kubernetes
MCP Client
Fix My Pod
MCP Server (Kubernetes)
Tool (Kubernetes)
VS Code
Cline

Demo

Thank You