Building Agentic Workflows with MCP on Amazon Bedrock

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Does LLM solve every single AI problem?

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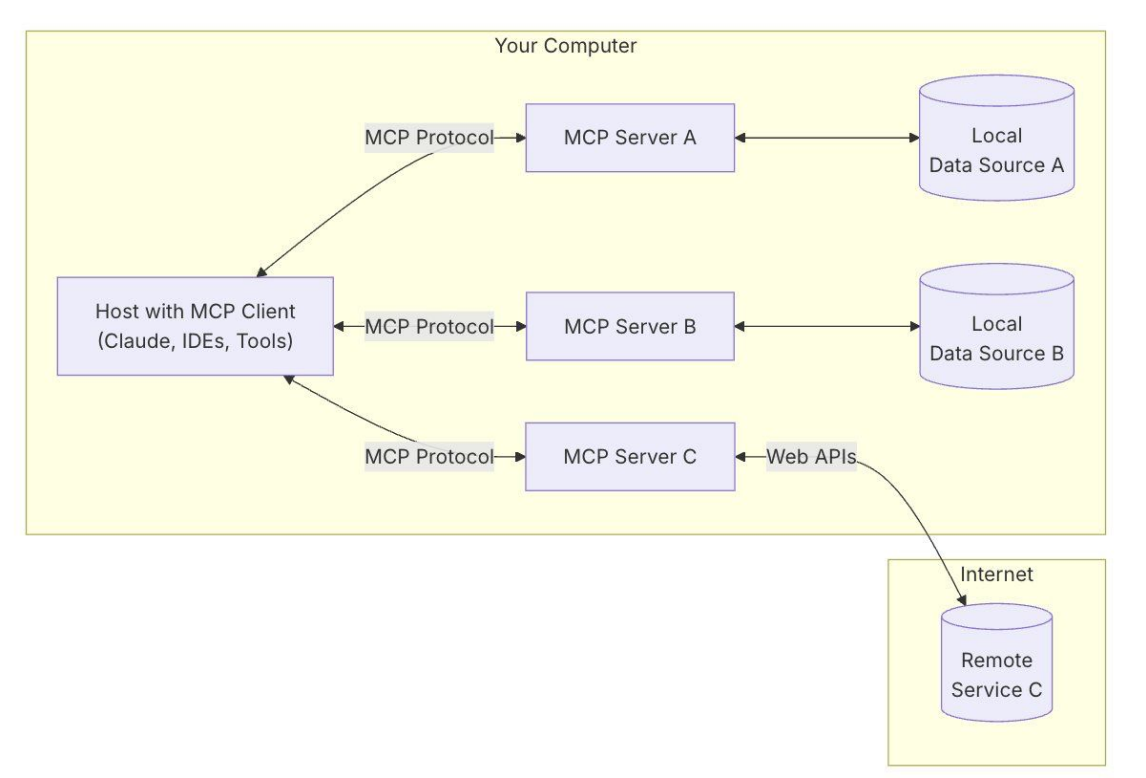
What is Model Context Protocol (MCP)?

Model Context Protocol (MCP) is a standard protocol (created by Anthropic) that lets AI agents talk to external tools and data sources in a unified, plug-and-play way.

Understanding MCP Architecture



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Understanding MCP Architecture

I just define an execution plan:

- get_issues_from_jira

- summarize_by_owner

- classify_priority

- generate_weekly_report

Each of those steps is fulfilled by a different capability exposed via MCP. The agent reads the plan, makes decisions, and delegates work — cleanly.

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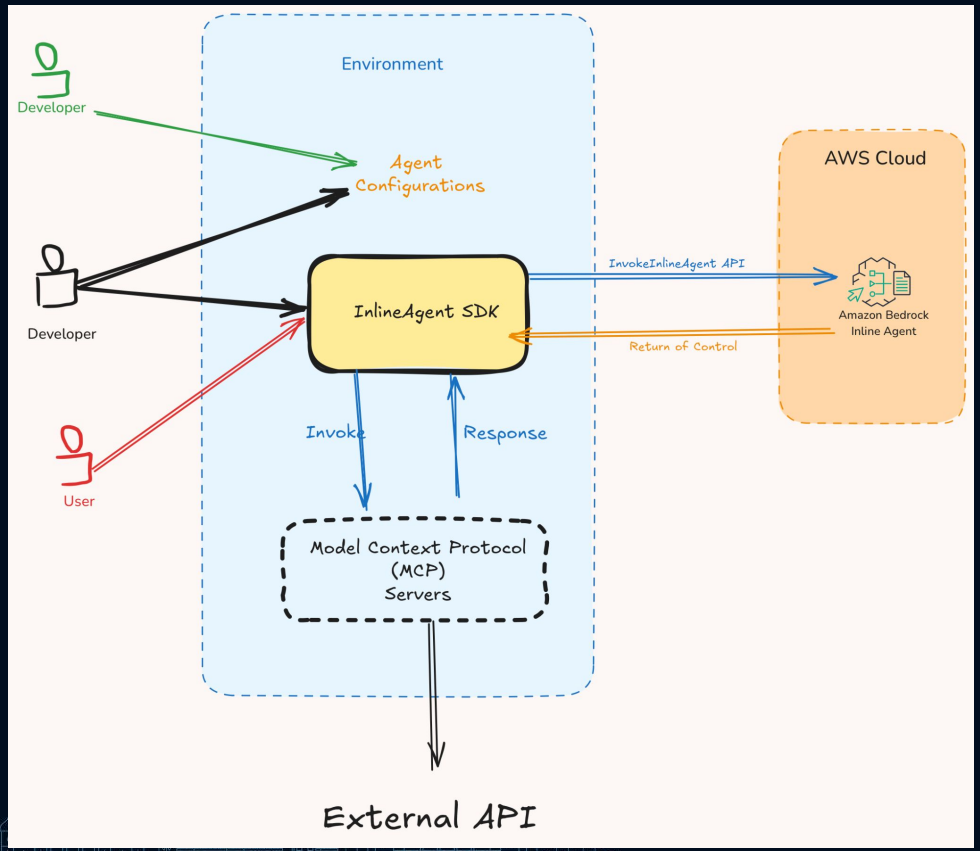
Using MCP with Amazon Bedrock Agents



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To Summarize…

“MCP is an open protocol that standardizes how applications provide context to LLMs. Think of MCP like a USB-C port for AI applications. Just as USB-C provides a standardized way to connect your devices to various peripherals and accessories, MCP provides a standardized way to connect AI models to different data sources and tools.” - Anthropic

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Thank you

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Huge shout out to Track-3 Mods

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