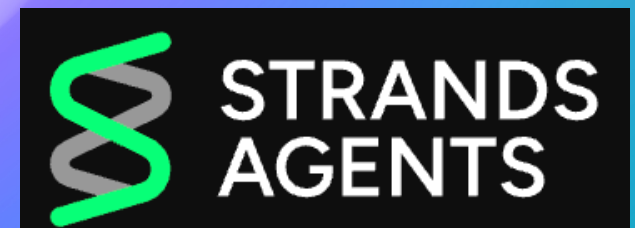


Lab 5: Agent-to-Agent Communication



What is Agent-to-Agent (A2A)?

A2A protocol support enables several powerful use cases:

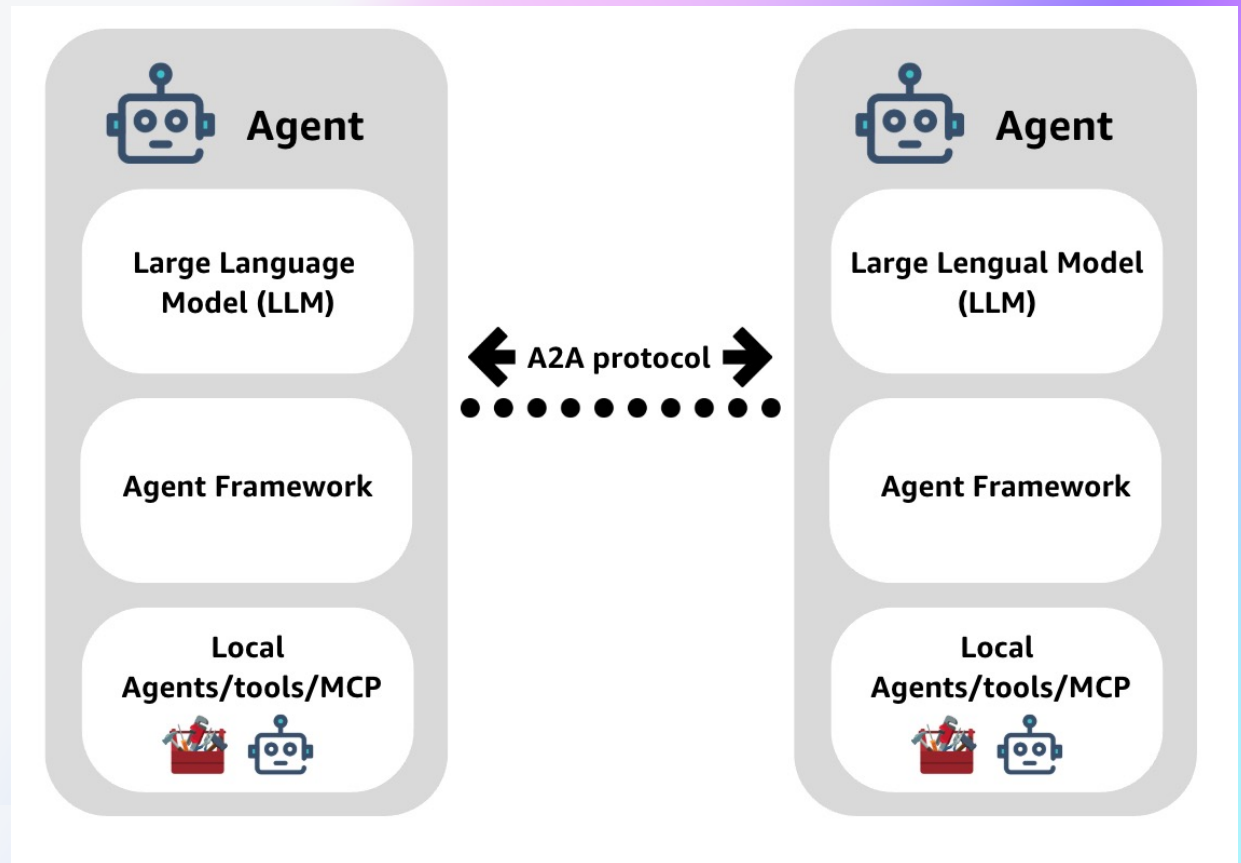
- Multi-Agent Workflows
- Agent Marketplaces
- Cross-Platform Integration
- Distributed AI Systems

MCP vs A2A

- **MCP connects agents to tools, APIs, and resources** with structured inputs/outputs. Think of it as how agents access their capabilities.
- **A2A facilitates dynamic communication between different agents** as peers. It's how agents collaborate, delegate, and manage shared tasks.

A2A Architecture Components

- Primary Agent
- Secondary Agent(s)
- A2A Tool
- Message Protocol



Best Practices

- **Clear Agent Roles**
- **Effective Delegation**
- **Context Preservation**
- **Robust Error Handling**
- **Optimize Communication**
- **Monitor Performance**

Thank You

