**Langchain MCP Adapter Multi-Server Client**

There is a one-to-one connection between a client and an MCP server.

The langchain multi MCP servers client is a new client that langchain wrote for us that is able to connect to multiple MCP servers. Still the one-to-one connection between client and MCP server is here. Langchain abstracted for us and inside it we're going to have multiple MCP clients but we can use that to easily connect to multiple MCP servers without explicitly writing the clients for each one of those servers.

MCP server is being run by the client. When we initialize the connection session between the client and MCP server, the MCP Server is going to respond with its available tools. So, after we done connection initialization, then the client is going to have the tools (and prompt and resources) that the MCP Server exposes. Now, we can ask from client about the tools.

The host application (with which user will interact) ie. ReAct agent is going to be having all information of client.

When we use ‘create\_react\_agent’ function of langchain which uses langchain tools, but we have MCP tools, so we need MCP adapter to convert them into langchain tools. (we use: langchain\_tools = load\_mcp\_tools(session)