



LLMs Go Local!!

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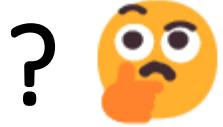
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Why Local LLMS ?



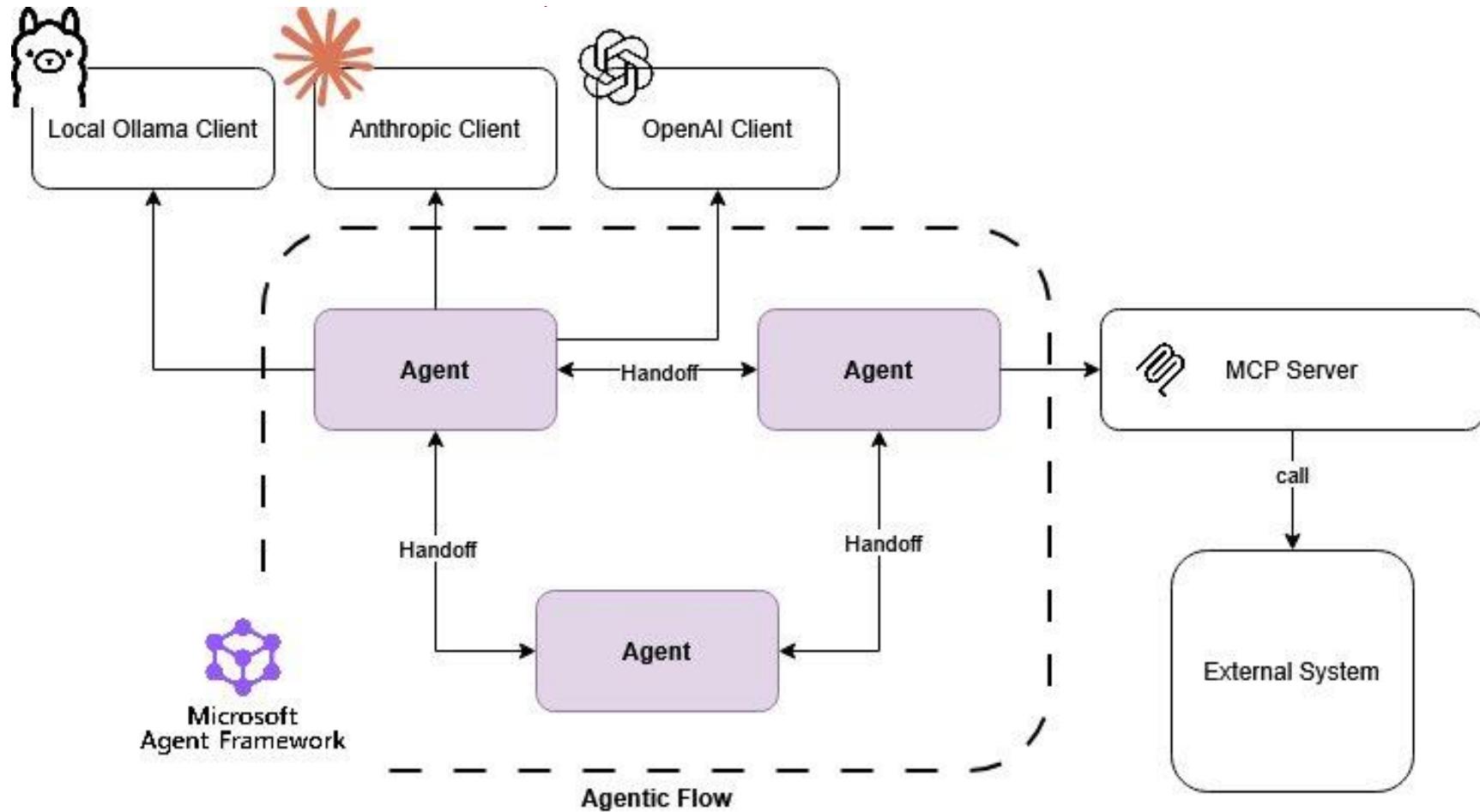
- Governance
- Cost
- Reliability & Low Latency

Ollama

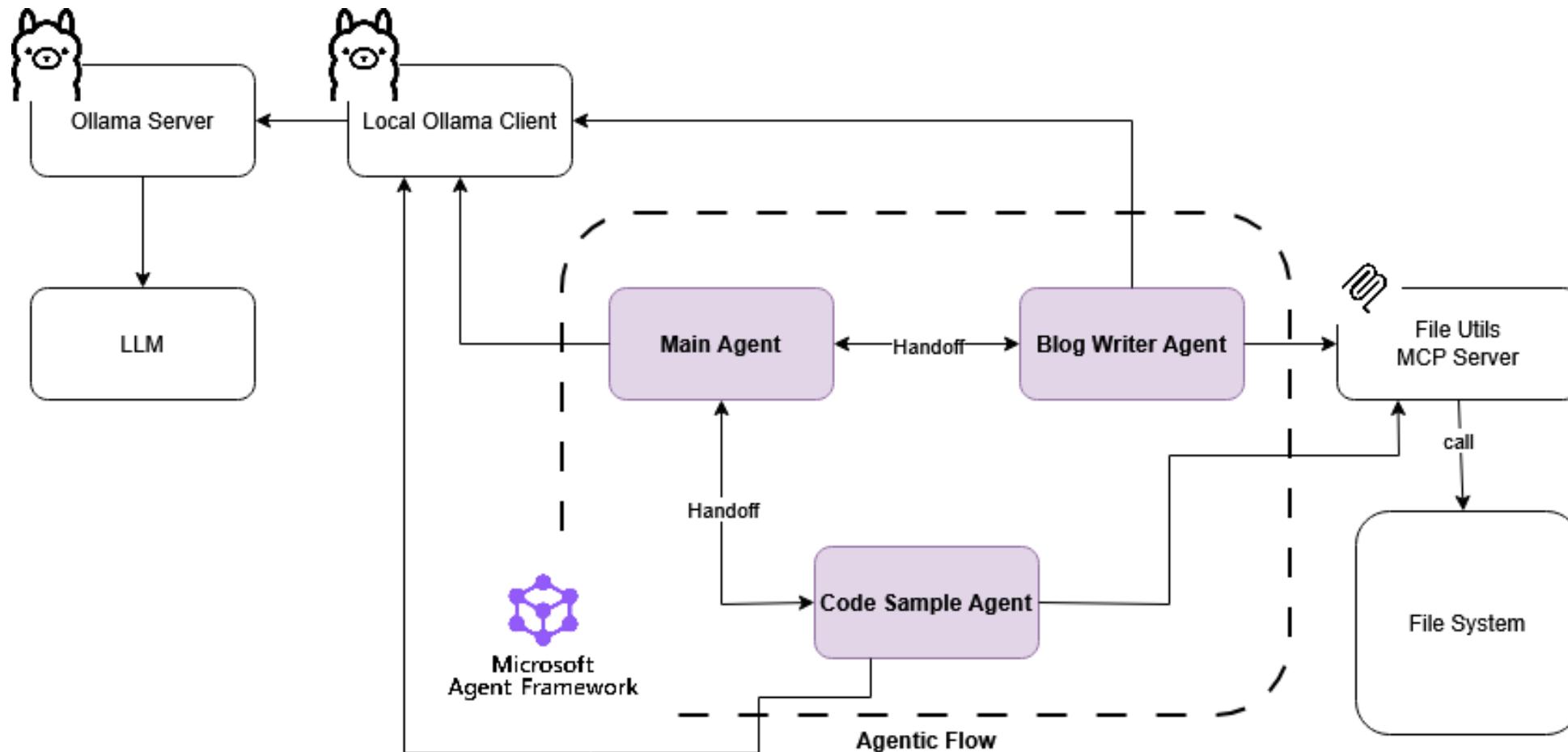
- Run Open-source LLMs locally
- Access via API or CLI
- GPU Detection
- Rich Catalog of Models
- Supports Tool Calling Models



Microsoft Agent Framework



Workshop Overview





So far, So Good ?

```
1 ---  
2   description: ' Azure Verified Modules (AVM) and Terraform'  
3   applyTo: '**/*.terraform, **/*.tf, **/*.tfvars, **/*.tfstate, **/*.tflint,  
4     **/*.tf.json, **/*.tfvars.json'  
5 ---  
6  
7 # Azure Verified Modules (AVM) Terraform  
8  
9 ## Overview  
10  
10 Azure Verified Modules (AVM) are pre-built, tested, and validated Terraform  
11 and Bicep modules that follow Azure best practices. Use these modules to  
12 create, update, or review Azure Infrastructure as Code (IaC) with  
13 confidence.  
14  
14 ## Custom Instructions for GitHub Copilot Agents  
15  
15 **IMPORTANT**: When GitHub Copilot Agent or GitHub Copilot Coding Agent is  
16 working on this repository, the following local unit tests MUST be executed  
17 to comply with PR checks. Failure to run these tests will cause PR  
18 validation failures:  
19  
19 ~~~bash  
20 ./avm pre-commit  
21 ./avm tflint  
22 ./avm pr-check  
23 ~~~  
24  
24 These commands must be run before any pull request is created or updated to  
25 ensure compliance with the Azure Verified Modules standards and prevent CI/  
26 CD pipeline failures.  
27  
27 More details on the AVM process can be found in the [Azure Verified Modules  
28 Contribution documentation](https://azure.github.io/Azure-Verified-Modules/contributing/terraform/testing/).  
29  
29 **Failure to run these tests will cause PR validation failures and prevent  
30 successful merges.**  
31  
31 # Azure Verified Modules (AVM) Terraform  
32 ## Module Discovery  
33  
33 ### Terraform Registry  
34  
34 - Search for "avm" + resource name  
35 - Filter by "Partner" tag to find official AVM modules  
36 - Example: Search "avm storage account" → filter by Partner  
37  
37 ### Official AVM Index  
38  
38 > **Note:** The following links always point to the latest version of the  
39 CSV files on the main branch. As intended, this means the files may change  
40 over time. If you require a point-in-time version, consider using a  
41 specific release tag in the URL.  
42  
42 - **Terraform Resource Modules**: `^https://raw.githubusercontent.com/Azure/Azure-Verified-Modules/refs/heads/main/docs/static/module-indexes/TerraformResourceModules.csv`  
43 - **Terraform Pattern Modules**: `^https://raw.githubusercontent.com/Azure/Azure-Verified-Modules/refs/heads/main/docs/static/module-indexes/TerraformPatternModules.csv`  
44 - **Terraform Utility Modules**: `^https://raw.githubusercontent.com/Azure/Azure-Verified-Modules/refs/heads/main/docs/static/module-indexes/TerraformUtilityModules.csv`  
45  
45 ## Terraform Module Usage  
46  
46 ### From Examples  
47  
47 1. Copy the example code from the module documentation  
48 2. Replace `source = ".../"` with `source = "Azure/avm-res-{service}-{resource}/azurerm"`  
49 3. Add `version = "~> 1.0"` (use latest available)  
50 4. Set `enable_telemetry = true`  
51  
52
```