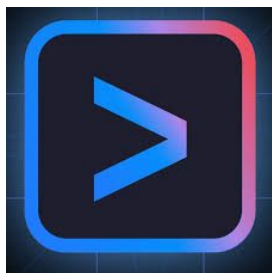
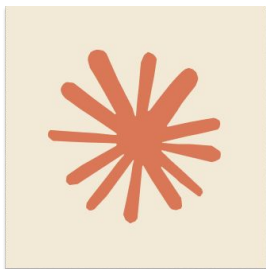




Building AI workflows: from local experiments to serving users

Oleg Šelajev, Docker



Agentic applications need three things



Models

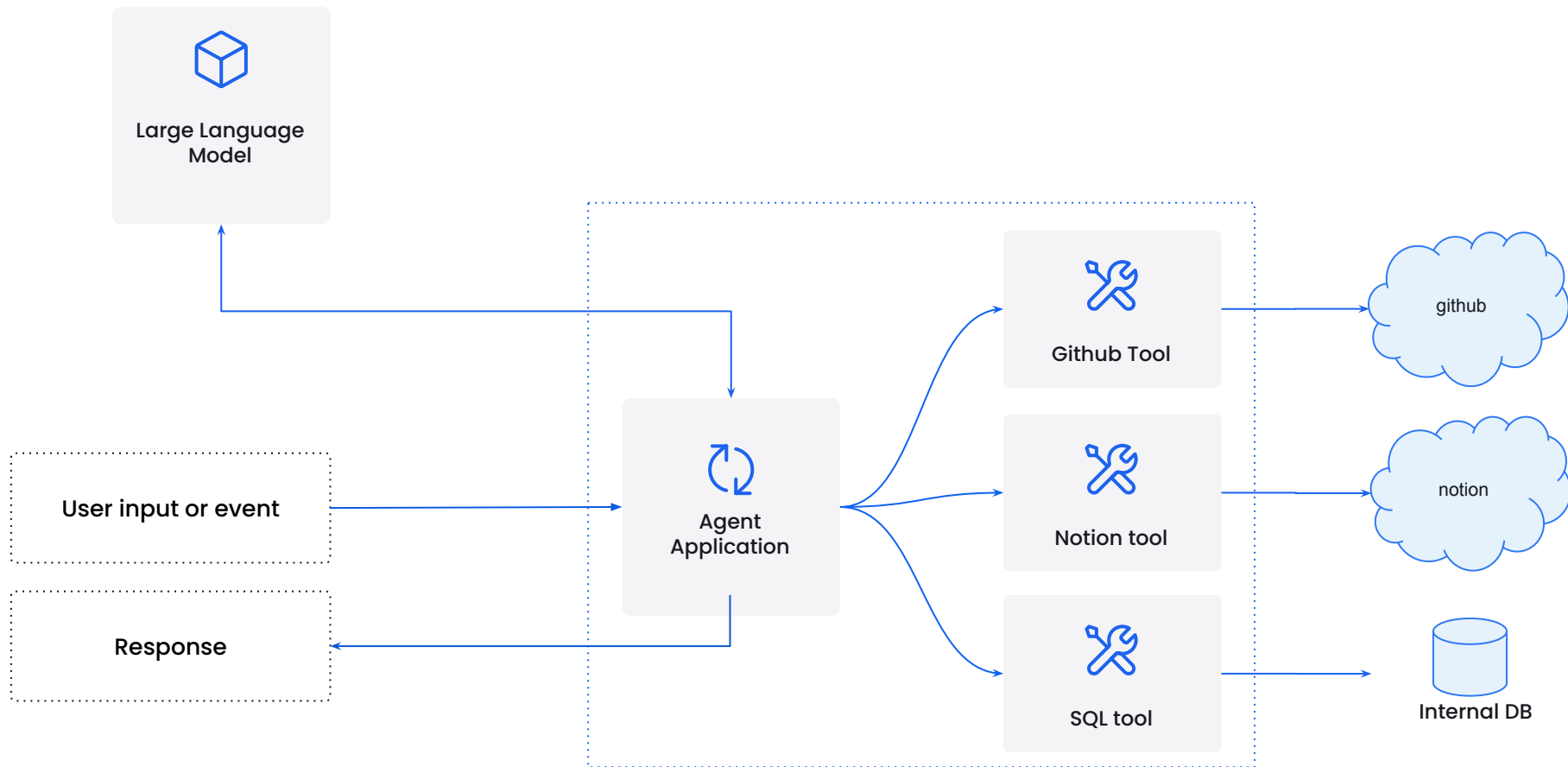


Tools



Code





The Docker Model Runner

Run models next to your other containerized services using the tools you're already using

```
> docker model --help
Usage: docker model COMMAND
```

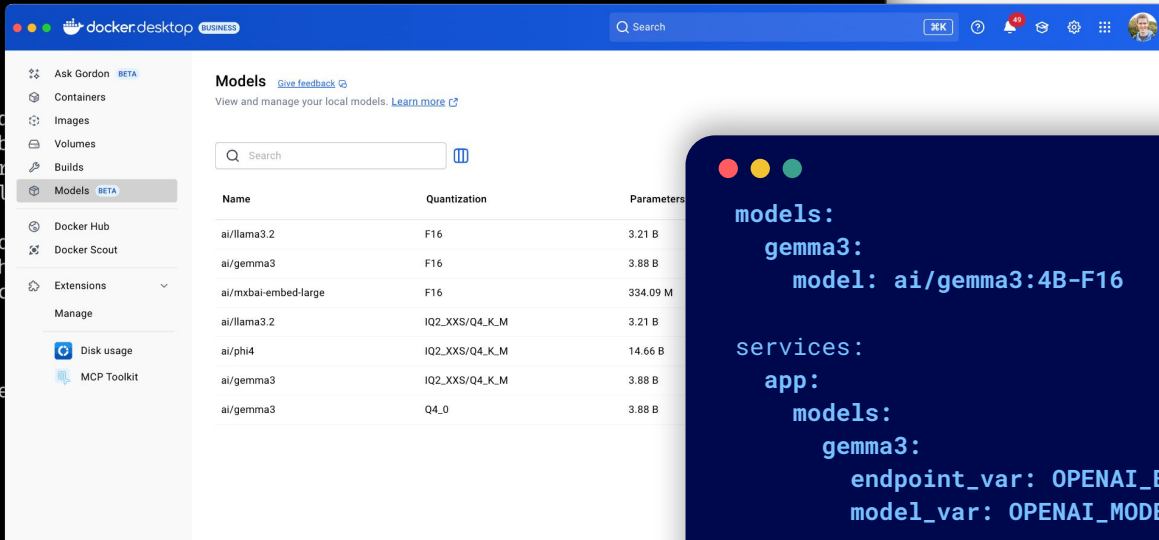
Docker Model Runner

Commands:

| | |
|---------|------------------|
| inspect | Display detailed |
| list | List the availab |
| logs | Fetch the Docker |
| pull | Download a model |
| push | Upload a model |
| rm | Remove models do |
| run | Run a model with |
| status | Check if the Doc |
| tag | Tag a model |
| version | Show the Docker |

```
Run 'docker model COMMAND --he
```

```
~
> |
```



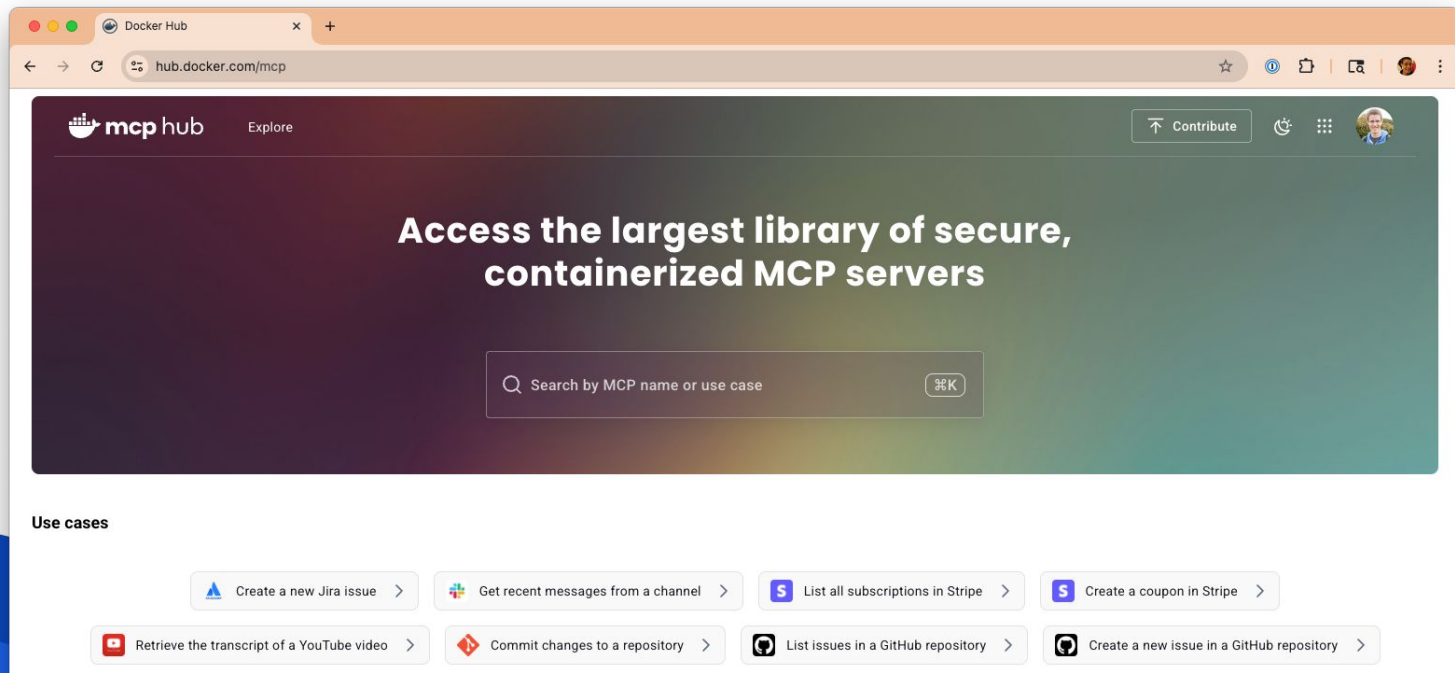
compose.yaml

```
models:
  gemma3:
    model: ai/gemma3:4B-F16

services:
  app:
    models:
      gemma3:
        endpoint_var: OPENAI_BASE_URL
        model_var: OPENAI_MODEL
```

The MCP Catalog

Run MCP servers using containers without worrying about runtimes or installs anymore

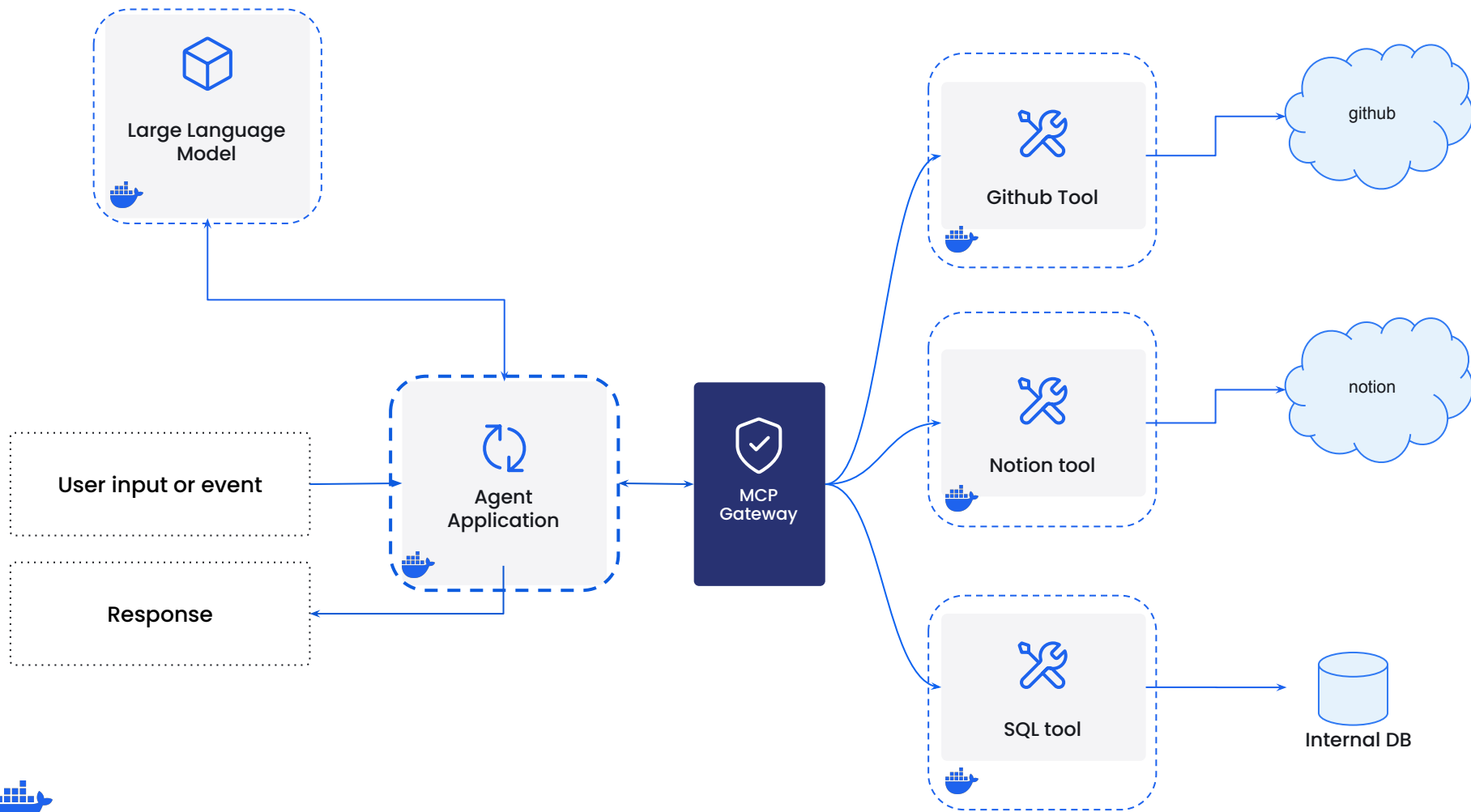


The MCP Gateway

Run containerized MCP servers safely and securely directly in your application stack

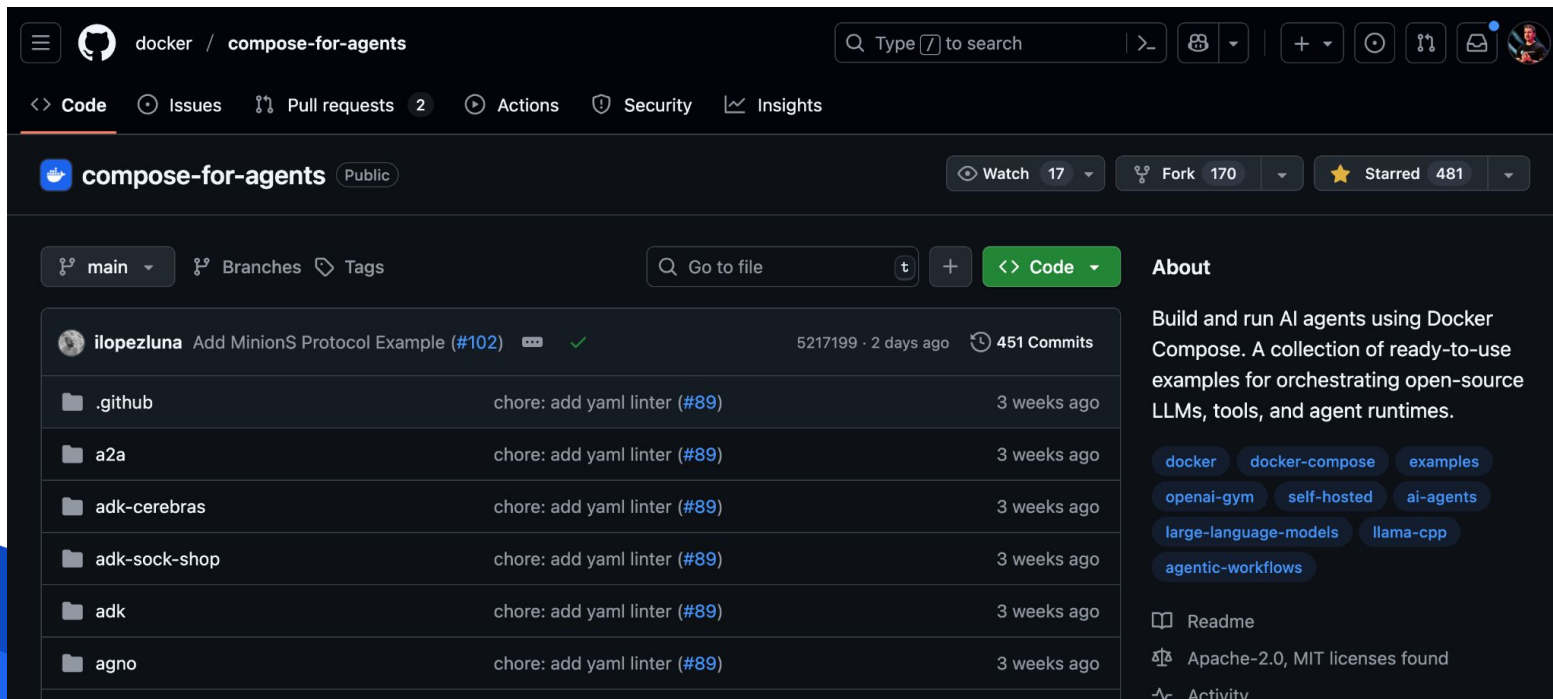
```
compose.yaml

services:
  mcp-gateway:
    image: docker/mcp-gateway:latest
    use_api_socket: true
    command:
      - --transport=sse
      - --servers=duckduckgo
      - --tools=search,fetch_content
  app:
    ...
    environment:
      MCP_ENDPOINT: http://mcp-gateway:8811/sse
```



Compose for agents

Build and run AI agents using Docker Compose



The screenshot shows the GitHub repository page for 'docker/compose-for-agents'. The repository is public and has 17 watchers, 170 forks, and 481 stars. The main branch is 'main'. The repository description is 'Build and run AI agents using Docker Compose. A collection of ready-to-use examples for orchestrating open-source LLMs, tools, and agent runtimes.' The repository contains several folders, each with a commit message 'chore: add yaml linter (#89)' and a commit date of '3 weeks ago'. The folders are: .github, a2a, adk-cerebras, adk-sock-shop, adk, and agno. The repository also has a README, Apache-2.0 and MIT licenses, and an activity feed.

docker / compose-for-agents

Search: Type / to search

<> Code Issues Pull requests 2 Actions Security Insights

compose-for-agents Public

Watch 17 Fork 170 Starred 481

main Branches Tags

Go to file

ilopezluna Add MinionS Protocol Example (#102) 5217199 · 2 days ago 451 Commits

| File | Commit Message | Commit Date |
|---------------|------------------------------|-------------|
| .github | chore: add yaml linter (#89) | 3 weeks ago |
| a2a | chore: add yaml linter (#89) | 3 weeks ago |
| adk-cerebras | chore: add yaml linter (#89) | 3 weeks ago |
| adk-sock-shop | chore: add yaml linter (#89) | 3 weeks ago |
| adk | chore: add yaml linter (#89) | 3 weeks ago |
| agno | chore: add yaml linter (#89) | 3 weeks ago |

About

Build and run AI agents using Docker Compose. A collection of ready-to-use examples for orchestrating open-source LLMs, tools, and agent runtimes.

docker docker-compose examples openai-gym self-hosted ai-agents large-language-models llama-cpp agentic-workflows

Readme

Apache-2.0, MIT licenses found

Activity

Cloud Run and Docker Compose

Deploy your compose.yaml directly to Cloud Run

