

Archia Platform Guide

MUIDSI Hackathon 2026

Welcome to the hackathon!

Archia has provided you with **free tokens** to access any LLM provider. This guide will help you get started quickly.

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Table of Contents

- 1. What is Archia Cloud?**
 - 1.1 Key Benefits
 - 1.2 Quick Start
- 2. Quick Concepts Explained**
 - 2.1 What is an LLM?
 - 2.2 What is a System Prompt?
 - 2.3 What is an AI Agent?
 - 2.4 What is an MCP Server?
- 3. Common Use Cases**
 - 3.1 Simple LLM Call
 - 3.2 Build a Custom Agent
 - 3.3 Database-Connected Agent
- 4. Troubleshooting**
 - 4.1 Workspace Mismatch (Most Common Issue)
- 5. API Quick Reference**
- 6. Resources**
- 7. Security Reminders**

1 What is Archia Cloud?

Archia Cloud is a unified API gateway that provides access to multiple LLM providers—including OpenAI, Anthropic, Groq, and more—through a single endpoint. Rather than managing separate API keys for each provider, you use one Archia token to access them all.

1.1 Key Benefits

- **Single API, Multiple Models:** Access GPT, Claude, and other models with one token
- **OpenAI-Compatible:** Use familiar OpenAI SDK syntax
- **Agent Builder:** Create and configure AI agents with custom prompts and tools via a web UI
- **MCP Marketplace:** Add pre-built tools (such as database connectors) to your agents

1.2 Quick Start

1. Go to console.archia.app
2. Switch to **MUIDSI Hackathon 2026** organization → your team's workspace
3. Navigate to **API Keys** → Generate a new key
4. Use the key in your code:

Bash

```
export ARCHIA_TOKEN="your_api_key_here"
```

Test your connection:

Bash

```
curl -sS "https://registry.archia.app/v1/models" \
-H "Authorization: Bearer ${ARCHIA_TOKEN}"
```

2 Quick Concepts Explained

2.1 What is an LLM?

A **Large Language Model (LLM)** is an AI system trained on vast amounts of text, enabling it to understand and generate human-like responses. Examples include GPT-4, Claude, and Llama.

2.2 What is a System Prompt?

A **system prompt** consists of instructions provided to an LLM that define its behavior, personality, or constraints. It is configured before the conversation begins.

```
Example: "You are a helpful coding assistant.  
Always explain your code step by step."
```

2.3 What is an AI Agent?

An **AI agent** is an LLM enhanced with:

- A custom system prompt
- Access to tools (APIs, databases, functions)
- The ability to take actions—not just respond

In Archia Cloud, you build agents in the web UI and invoke them via:

```
model: "agent:your_agent_name"
```

2.4 What is an MCP Server?

MCP (Model Context Protocol) is a standard for connecting AI models to external tools. An MCP server exposes functions that an AI can call—such as querying a database, searching files, or invoking APIs.

Archia provides an **MCP Marketplace** with pre-built tools you can attach to your agents with a single click.

3 Common Use Cases

3.1 Simple LLM Call

Call any model directly:

Python

```
from openai import OpenAI

client = OpenAI(
    base_url="https://registry.archia.app/v1",
    api_key="not-used",
    default_headers={"Authorization": f"Bearer {ARCHIA_TOKEN}"},
)

response = client.responses.create(
    model="claude-opus-4-1-20250805",
    input="Explain quantum computing in simple terms."
)

print(response.output[0].content[0].text)
```

3.2 Build a Custom Agent

1. Go to console.archia.app → **Agents**
2. Create an agent with a name (e.g., `code_reviewer`)
3. Add a system prompt: *"You are an expert code reviewer. Identify bugs, security issues, and suggest improvements."*
4. Attach tools from the MCP Marketplace if needed
5. Call your agent:

Python

```
response = client.responses.create(
    model="agent:code_reviewer",
    input="Review this Python function: def add(a, b): return a + b"
)
```

3.3 Database-Connected Agent

1. Install the **ODBC MCP** from Tools → Marketplace
2. Configure your database connection string (stored securely)
3. Attach it to your agent
4. Your agent can now query your database!

Python

```
response = client.responses.create(  
    model="agent:data_analyst",  
    input="How many users signed up last month?"  
)  
# The agent will query your database and respond with actual data
```

4 Troubleshooting

Problem	Solution
401 Unauthorized	Verify your API key is valid and from the correct workspace
Agent not found	Confirm the agent name matches exactly (case-sensitive, no spaces)
Agent visible in UI but not via API	Your API key is from a different workspace than the agent
Model errors	Some models require specific provider tokens—try Groq variants

4.1 Workspace Mismatch (Most Common Issue)

If you can see a resource in the UI but cannot access it via API:

1. Go to console.archia.app
2. Verify you are in the correct organization **AND** team workspace (top menu)
3. Regenerate your API key in that exact workspace

5 API Quick Reference

Endpoint	Purpose
GET /v1/models	List available models
POST /v1/responses	Generate LLM response
GET /v1/agent	List your agents

- **Base URL:** <https://registry.archia.app>
- **Auth Header:** Authorization: Bearer YOUR_TOKEN

6 Resources

- **Archia Cloud Console:** console.archia.app

- **API Base URL:** <https://registry.archia.app>
- **Support:** gharib@archia.io

7 Security Reminders

■ ■ Warning

- ✗ Never commit API keys to git
- ✗ Never paste keys in shared docs or chat
- ✓ Use environment variables
- ✓ Rotate keys if exposed

Good luck with the hackathon! Build something amazing. ■