



Fixing Cursor MCP Integration

This guide helps you diagnose and fix issues when AI Orchestrator MCP tools don't appear in Cursor IDE.



Quick Summary

The most common issue: The MCP configuration was placed in the wrong location.

The fix: Cursor now uses `~/cursor/mcp.json` (NOT the old `settings.json` or `mcp-settings.json` locations).



Quick Fix (Recommended)

On Your Mac, run these commands:

```
# 1. Navigate to the AI Orchestrator directory
cd ~/ai-orchestrator # or wherever you installed it

# 2. Run the fix script
./cursor_integration/fix_cursor_mcp.sh

# 3. Completely quit and reopen Cursor
```

That's it! The script will:

- ☒ Find your AI Orchestrator installation
 - ☒ Create the correct `~/cursor/mcp.json` configuration
 - ☒ Backup any existing configuration
 - ☒ Verify the setup
-



Diagnosing Issues

If the quick fix doesn't work, run the diagnostic script:

```
cd ~/ai-orchestrator # or wherever you installed it
./cursor_integration/diagnose_cursor_mcp.sh
```

This will check:

- ☒ Cursor installation and version
 - ☒ MCP configuration file location and format
 - ☒ AI Orchestrator installation
 - ☒ Python environment and packages
 - ☒ MCP server functionality
-



Manual Fix (If Scripts Don't Work)

Step 1: Create the MCP Configuration File

Create or edit `~/ .cursor/mcp.json` :

```
# Create the .cursor directory if it doesn't exist
mkdir -p ~/ .cursor

# Create the mcp.json file
nano ~/ .cursor/mcp.json
```

Step 2: Add This Configuration

Paste this content (adjust paths to your installation):

```
{
  "mcpServers": {
    "ai-orchestrator": {
      "command": "/Users/YOUR_USERNAME/ai-orchestrator/venv/bin/python",
      "args": [
        "-m",
        "mcp_server.server"
      ],
      "cwd": "/Users/YOUR_USERNAME/ai-orchestrator",
      "env": {
        "PYTHONPATH": "/Users/YOUR_USERNAME/ai-orchestrator"
      }
    }
  }
}
```

Replace `YOUR_USERNAME` with your actual Mac username.

If you don't have a virtual environment, use system Python:

```
{
  "mcpServers": {
    "ai-orchestrator": {
      "command": "python3",
      "args": [
        "-m",
        "mcp_server.server"
      ],
      "cwd": "/Users/YOUR_USERNAME/ai-orchestrator",
      "env": {
        "PYTHONPATH": "/Users/YOUR_USERNAME/ai-orchestrator"
      }
    }
  }
}
```

Step 3: Restart Cursor

1. **Completely quit Cursor** (Cmd+Q, not just close the window)
2. **Reopen Cursor**

✓ Verifying MCP is Working

Method 1: Check Settings

1. Open Cursor
2. Press **Cmd+,** to open Settings
3. Go to **Tools & Integrations** (in left sidebar)
4. Look for **MCP Tools** section
5. You should see:
 - **ai-orchestrator** with a **green dot** ✓

Method 2: Check Chat Panel

1. Press **Cmd+L** to open Chat panel
2. At the top, select **Agent** mode (dropdown menu)
3. Click the **gear icon** ⚙️ or **Available Tools**
4. You should see AI Orchestrator tools listed:
 - orchestrate_task
 - analyze_task
 - run_project
 - etc.

Method 3: Test with a Prompt

In Agent mode, try:

Analyze this task: Create a simple Python script

Cursor should automatically use the MCP tools to process this.

📌 Where to Look in Cursor












Finding MCP Tools Settings

Cursor Menu Structure:

```
Settings (Cmd+,)
├── General
├── Features
├── Tools & Integrations ← LOOK HERE
│   ├── Extensions
│   ├── MCP Tools ← YOUR MCP SERVERS APPEAR HERE
│   │   └── ai-orchestrator (should have green dot)
│   └── ...
└── ...
```

Using MCP Tools

Chat Panel (Cmd+L)

-  Mode Selector (top dropdown)
-  Chat  Basic conversation
-  Edit  Code editing
-  Agent  USE THIS FOR MCP TOOLS 
-  Available Tools (gear icon)
-  ai-orchestrator tools listed here
-  Chat input

Common Issues & Solutions

Issue 1: “MCP server not found”

Cause: The Python path in mcp.json is incorrect.

Fix:

```
# Find your Python path
which python3

# Use that path in mcp.json
```

Issue 2: Green dot not appearing

Cause: Configuration file syntax error or wrong location.

Fix:

```
# Validate JSON syntax
python3 -c "import json; json.load(open('$HOME/.cursor/mcp.json'))"

# If it shows an error, fix the JSON syntax
```

Issue 3: Tools listed but not working

Cause: Missing dependencies or API keys.

Fix:

```
# Check dependencies
cd ~/ai-orchestrator
pip install -r requirements.txt
cd mcp_server
pip install -r requirements.txt

# Check API keys
cat .env # Ensure OPENAI_API_KEY and ANTHROPIC_API_KEY are set
```

Issue 4: “Module not found” errors

Cause: PYTHONPATH not set correctly.

Fix: Ensure your mcp.json includes:

```
"env": {  
  "PYTHONPATH": "/path/to/ai-orchestrator"  
}
```

Issue 5: Old config was in wrong location

Cause: Previous versions used different paths.

Old (wrong) locations:

- ~/Library/Application Support/Cursor/User/globalStorage/mcp-settings.json
- ~/Library/Application Support/Cursor/User/settings.json

New (correct) location:

- ~/.cursor/mcp.json ✓



Checking Cursor Logs

If issues persist, check Cursor's MCP logs:

1. Press **Cmd+Shift+P** to open Command Palette
2. Type: `Developer: Show Logs`
3. Select **MCP Logs** from the dropdown
4. Look for error messages



Configuration File Reference

Correct Configuration Location

```
~/.cursor/mcp.json
```

This is the ONLY location Cursor reads MCP configuration from.

Full Example Configuration

```
{
  "mcpServers": {
    "ai-orchestrator": {
      "command": "/Users/yourname/ai-orchestrator/venv/bin/python",
      "args": [
        "-m",
        "mcp_server.server"
      ],
      "cwd": "/Users/yourname/ai-orchestrator",
      "env": {
        "PYTHONPATH": "/Users/yourname/ai-orchestrator"
      }
    }
  }
}
```

Configuration Fields Explained

Field	Description
<code>command</code>	Path to Python executable
<code>args</code>	Arguments passed to Python
<code>cwd</code>	Working directory for the server
<code>env</code>	Environment variables

Still Not Working?

1. **Run the diagnostic script** to identify specific issues:

```
bash
./cursor_integration/diagnose_cursor_mcp.sh
```

2. **Check Cursor version** - MCP requires version 0.40.0 or later

3. **Test the server manually:**

```
bash
cd ~/ai-orchestrator
PYTHONPATH=. python -m mcp_server.server
```

You should see the server start without errors.

1. **Verify API keys** are configured:

```
bash
grep "API_KEY" ~/ai-orchestrator/.env
```

Related Documentation

- [CURSOR_SETUP.md](#) (./CURSOR_SETUP.md) - Full Cursor integration guide
- [Main README](#) (../README.md) - Project overview
- [TROUBLESHOOTING.md](#) (../TROUBLESHOOTING.md) - General troubleshooting