



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
command	Path to Python executable
args	Arguments passed to Python
cwd	Working directory for the server
env	Environment variables

SOS 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