

# BlueRock MCP Python Hooks

Runtime visibility for Python MCP servers.

Apache 2.0 · No code changes · [github.com/bluerock-io/bluerock](https://github.com/bluerock-io/bluerock)

## WHAT YOU GET

A lightweight Python sensor that captures runtime activity from inside any Python MCP server. Attaches at interpreter startup — before application code runs. No code changes. No SDKs.

- **MCP protocol activity** — tool calls, session lifecycle, client/server connections
- **Resource access** triggered by tools
- **Module imports** across the dependency chain, with SHA-256 verification
- **Process-level activity** such as subprocess execution

## THREE COMMANDS

```
$ pip install bluerock[oss]
$ echo '{"enable": true, "mcp": true, "imports": true}' > ~/.bluerock/bluerock-oss.json
$ python -m bluepython --oss your_script.py
```

## WHAT YOU'LL SEE

- Events stream as **structured NDJSON**, written locally — inspect directly or forward on
- Three live signals at once: **server protocol**, **client results**, **sensor events**
- Every shell command, every URL, every import — tracked for tamper detection

## ROUTE INTO YOUR STACK

NDJSON output. Forward into **OpenTelemetry**, **Grafana**, **Loki**, or any observability pipeline you already run.