

# Instrumenting MCP

Four Lessons Learned

# **MCP is JSON-RPC 2.0 With Extra\* Steps**

\* extra good steps tbh

**Errors Are  
In The Payload**

Status: 200 but...



```
1 {  
2   "jsonrpc": "2.0",  
3   "error": {  
4     "code": -32601,  
5     "message": "Method not found"  
6   },  
7   "id": "1"  
8 }
```

**The Errors Never  
Make It To Your  
Observability Tools**

▼ Status

☒ Error 0

☒ Ok 403

▼ Resource

☒ POST 292

☒ GET 111

▼ Error Type

No matching values found

▼ Version

☒ prod-v23.17.1 403

May 05 11:07:12.918	POST	844 ms	POST	202	
May 05 11:07:08.900	POST	15.3 s	POST	202	
May 05 11:06:39.563	POST	1.03 s	POST	202	
May 05 11:06:01.253	POST	91.2 ms	POST	202	
May 05 11:05:18.397	POST	144 ms	POST	202	
May 05 11:04:46.230	GET	141 ms	GET	200	
May 05 11:04:08.807	POST	278 ms	POST	202	
May 05 11:04:04.616	POST	202 ms	POST	202	
May 05 11:04:03.288	GET	42.8 ms	GET	200	
May 05 11:03:46.186	POST	15.5 s	POST	202	
May 05 11:03:30.548	GET	207 ms	GET	200	
May 05 11:03:28.790	POST	267 ms	POST	202	
May 05 11:02:27.787	GET	22.3 ms	GET	200	
May 05 11:02:27.649	POST	15.4 s	POST	202	
May 05 11:02:00.204	GET	91.0 ms	GET	200	



**It Is Hard to  
“Tap” Into a Library**



**4%**

**Provide access to the raw request**

**9%**

**Provide a dependency injection option**

**87%**

**Rely on exceptions / runtime errors**



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