


```
f89b55297a9b9281505f27e36ece1e5150836699
33464523277fcff11508c18faa86ddb15184c364 Mizi <mizi@vivimenginc.com>
1765457275 -0800 commit: add images :3
```

```
33464523277fcff11508c18faa86ddb15184c364
b762db10a552bb05f3c292607b51c8fca10fbc13 Mizi <mizi@vivimenginc.com>
17543933275 -0800 filter-branch: rewrite
```

Malicious Commit Identification

Among all the commits, only one commit was authored by a user named **Luka**, which made it stand out. Running `git show --name-status` on this commit showed that a new file `images/31.jpg.ps1` was added and the `.cursor/mcp.json` file was modified.

The change to `mcp.json` caused the malicious PowerShell file to be executed, confirming this commit as the point where the system was compromised.

Exploit Identification

Based on the behavior observed, the exploit matched an MCPoison, which is tracked as [CVE-2025-54136](#).

Recovering the Original Commit

Further inspection showed that `git filter-branch` had been used, meaning the visible commit ID i.e. `6afb28994515f7f61030e5d556b608e79e36b16c`, was not the original one. To recover the real commit, `git blame` was run on `31.jpg.ps1`, which revealed a shortened commit hash i.e `c0df0ebe`

Running `git rev-parse` on this shortened hash returned the full original commit ID:

[c0df0eb988e991418029e3021fb7f8542068b2](#)

Conclusion

In conclusion, the attacker exploited CVE-2025-54136 to gain code execution through a poisoned MCP configuration. They introduced a malicious PowerShell script disguised as an image file and attempted to hide their activity by rewriting Git history. All required artifacts for the challenge were successfully identified.

Final Flag

nite{CVE-2025-54136_c0df0eb988e991418029e3021fb7f8542068b2_31.jpg.ps1}