EU AI Act

Compliance assessment — 2024/1689

Server: Bithumb MCP Server

Slug: bithumb-mcp-server
Scan id: 8e5560a4-2cbd-4b3e-b8f3-5140f723e315

Assessed at: 2026-05-11 09:55:59 UTC
Sentinel version: 0.4.0
Rules version: 2026-04-23

! Partially compliant

DRAFT for review — not legal advice. See attestation block for verification instructions.

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1. Executive summary

Assessment of Bithumb MCP Server against EU AI Act: overall status partially compliant. Of 5 controls, 4 met, 0 unmet, 1 partial, 0 not applicable. 5 control(s) fell within MCP Sentinel's current assessor coverage; remaining control(s) are documented as not_applicable until Phase 6 expands coverage. No control is unmet, but partial findings indicate residual risk below the mandatory threshold. All claims are traceable to individual finding rows via finding_id and to the governing rule via rule_id; the enclosing signed envelope commits MCP Sentinel to the exact bytes of this report.

2. Coverage & transparency

Coverage band: low

Coverage ratio: 40%

Rules version: 2026-04-23

Analysis techniques applied:

- ast-taint
- capability-graph
- entropy
- linguistic-scoring
- schema-inference

3. Controls summary

Control	Name	Status	Evidence
Art.9	Risk Management System'	Met	0
Art.12	Record-Keeping'	Met	0
Art.13	Transparency		

& Provision of Information to Deployers' Met 0
Art.14Human Oversight' Met 0
Art.15 Accuracy, Robustness, and Cybersecurity! Partial1

4. Control details

Art.9 — Risk Management System

' Met

22 assessor rule(s) evaluated this control; no findings observed.

Art.12 — Record-Keeping

' Met

5 assessor rule(s) evaluated this control; no findings observed.

Art.13 — Transparency & Provision of Information to Deployers

' Met

14 assessor rule(s) evaluated this control; no findings observed.

Art.14 — Human Oversight

' Met

13 assessor rule(s) evaluated this control; no findings observed.

Art.15 — Accuracy, Robustness, and Cybersecurity

! Partial

111 assessor rule(s) evaluated this control; 1 finding(s) observed (1 medium); all findings are below the high threshold (status: partial).

Evidence:

[Medium] E1 (finding 5fcd26ae-a272-4e1c-aa5a-045290db22ec, confidence 75%)

SOURCE: environment at capability:tools — An MCP server that answers tool enumeration without authentication trusts the network. Under modern threat models (CCS 2007 DNS rebinding, open cloud networki

Required mitigations:

- Require authentication for all MCP server connections. For remote MCP servers adopt OAuth 2.0 per RFC 9700 / the MCP Authorization specification. For stdio-launched servers rely on the parent process's security boundary and DO NOT expose the same server over network transports. Even localhost-bound servers should require auth: DNS rebinding (CCS 2007) makes localhost reachable from any browser tab.

5. Multi-step attack chains

No multi-step attack chains were synthesized for this server.

6. Cryptographic attestation

Algorithm: HMAC-SHA256
Key ID: mcp-sentinel-dev
Signer: mcp-sentinel/v1
Signed at: 2026-05-14T09:12:09.018Z
Canonicalization: RFC8785

HMAC-SHA256 signature (base64, wrapped at 64 chars):

```
6EJvXMXBmO9z8fmdtZAVIKRUuWG6NKHvRtk8861GT7M=
```

Verification instructions:

```
To verify this report:
  1. Extract the report body (everything except the .attestation field).
  2. Canonicalize the body via RFC 8785 (JCS).
  3. Compute HMAC-SHA256 with the signing key for key_id "mcp-sentinel-dev".
  4. Base64-encode the result and compare with the signature above.
```