

CVE-2026-28808

ScriptAlias CGI targets bypass directory auth in inets httpd (mod_auth vs mod_cgi path mismatch)

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Weakness Type (CWE)

[CWE-863 — CWE-863 Incorrect Authorization](#)

CAPEC

[CAPEC-1 — CAPEC-1 Accessing Functionality Not Properly Constrained by ACLs](#)

CVSS 4.0 Score

8.3

HIGH
[CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:L/VA:N/SC:N/SI:N/SA:N](#)

Vulnerability description

Incorrect Authorization vulnerability in Erlang OTP (inets modules) allows unauthenticated access to CGI scripts protected by `directory` rules when served via `script_alias`.

When `script_alias` maps a URL prefix to a directory outside `DocumentRoot`, `mod_auth` evaluates `directory`-based access controls against the `DocumentRoot`-relative path while `mod_cgi` executes the script at the `ScriptAlias`-resolved path. This path mismatch allows unauthenticated access to CGI scripts that `directory` rules were meant to protect.

This vulnerability is associated with program files `lib/inets/src/http_server/mod_alias.erl`, `lib/inets/src/http_server/mod_auth.erl`, and `lib/inets/src/http_server/mod_cgi.erl`.

This issue affects OTP from OTP 17.0 until OTP 28.4.2, 27.3.4.10 and 26.2.5.19 corresponding to inets from 5.10 until 9.6.2, 9.3.2.4 and 9.1.0.6.

Affected

pkg:otp/inets

Module	Source File
inets	src/http_server/mod_alias.erl
	src/http_server/mod_auth.erl
	src/http_server/mod_cgi.erl

Status	Type	Version	Changes / Fixed in
Affected	otp ⓘ	5.10	<ul style="list-style-type: none"> unaffected at 9.6.2 unaffected at 9.3.2.4 unaffected at 9.1.0.6

[pkg:github/erlang/otp](#)

Module	Source File
inets	lib/inets/src/http_server/mod_alias.erl

Module**Source File**[lib/inets/src/http_server/mod_auth.erl](#)[lib/inets/src/http_server/mod_cgi.erl](#)**Status****Type****Version****Changes / Fixed in**

Affected

otp ⓘ

[17.0](#)

- unaffected at [28.4.2](#)
- unaffected at [27.3.4.10](#)
- unaffected at [26.2.5.19](#)

Affected

git ⓘ

[07b8f441ca](#)

- unaffected at [8fc71ac6af](#)
- unaffected at [9dfa0c51ea](#)

Configurations

The inets httpd server must use `script_alias` to map a URL prefix to a CGI directory, combined with `directory`-based access controls (e.g., `mod_auth`) protecting the `script_alias` target path. The vulnerability applies whenever the `script_alias` target path differs from `DocumentRoot` + URL prefix.

Workarounds

- Move CGI scripts inside `DocumentRoot` and use `alias` instead of `script_alias` to ensure `mod_auth` resolves the correct path.
- Apply URL-based access controls at a reverse proxy layer to block unauthenticated access to the `script_alias` URL prefix.
- Remove `mod_cgi` from the httpd modules chain if CGI functionality is not required.

References

- <https://github.com/erlang/otp/security/advisories/GHSA-3vhp-h532-mc3f> vendor-advisory related
- <https://osv.dev/vulnerability/EEF-CVE-2026-28808> related
- <https://github.com/erlang/otp/commit/8fc71ac6af4fbcc54103bec2983ef22e82942688> patch
- <https://github.com/erlang/otp/commit/9dfa0c51eac97866078e808dec2183cb7871ff7c> patch

Credits

- **Reporter:** Igor Morgenstern / Aisle Research
- **Remediation developer:** Konrad Pietrzak

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OSV record as JSON: [GET /osv/EEF-CVE-2026-28808.json](#)



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