snyk Vulnerability DB

Snyk Vulnerability Database > pip > uvicorn

Log Injection

Affecting uvicorn package, versions [,0.11.7)



Overview

uvicorn is a lightning-fast ASGI server.

Affected versions of this package are vulnerable to Log Injection. The request logger provided by the package is vulnerable to ASNI escape sequence injection. Whenever any HTTP request is received, the default behaviour of usicon is to log its details to either the console or a log file. When attackers request crafted URLs with percent-encoded escape sequences, the logging component will log the URL after it's been processed with url11b.parse.unquote, therefore converting any percent-encoded characters into their single-character equivalent, which can have special meaning in terminal emulators.

By requesting URLs with crafted paths, attackers can:

- Pollute uvicorn's access logs, therefore jeopardising the integrity of such files.
- Use ANSI sequence codes to attempt to interact with the terminal emulator that's displaying the logs (either in real time or from a file).

PoC

References

Uvicorn Repository

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Snyk ID	SNYK-PYTHON-UVICORN-575560
Published	20 Jul 2020
Disclosed	10 Jul 2020
Credit	Everardo Padilla Saca

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