CVE-2021-32643

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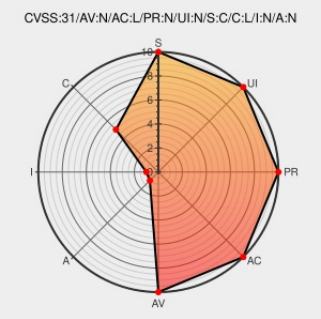
CVE-2021-32643 - advisory for GHSA-6h7w-fc84-x7p6

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Http4s from Typelevel contain the following vulnerability:

Http4s is a Scala interface for HTTP services. `StaticFile.fromUrl` can leak the presence of a directory on a server when the `URL` scheme is not `file://`, and the URL points to a fetchable resource under its scheme and authority. The function returns `F[None]`, indicating no resource, if `url.getFile` is a directory, without first checking the scheme or authority of the URL. If a URL connection to the scheme and URL would return a stream, and the path in the URL exists as a directory on the server, the presence of the directory on the server could be inferred from the 404 response. The contents and other metadata about the directory are not exposed. This affects http4s versions: 0.21.7 through 0.21.23, 0.22.0-M1 through 0.22.0-M8, 0.23.0-M1, and 1.0.0-M1 through 1.0.0-M22. The [patch](https://github.com/http4s/http4s/commit/52e1890665410b4385e37b96bc49c5e3c708e4e9) is available in the following versions: v0.21.24, v0.22.0-M9, v0.23.0-M2, v1.0.0-M23. As a workaround users can avoid calling `StaticFile.fromUrl` with non-file URLs.

CVE-2021-32643 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **http4s** - **http4s** version **>= 0.21.7, < 0.21.24**

Affected Vendor/Software: **http4s** - **http4s** version **>= 0.22.0-M1, <= 0.22.0-M8**

Affected Vendor/Software: **http4s** - **http4s** version **= 0.23.0-M1**

Affected Vendor/Software: **http4s** - **http4s** version **>= 1.0.0-M1, < 1.0.0-M23**

CVSS3 Score: 5.8 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE

Scope	Confidentiality Impact	Integrity Impact	Availability Impact

CHANGED	LOW	NONE	NONE

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Fix directory leak in StaticFile.fromUrl · http4s/http4s@52e1890 · GitHub	github.com text/html	MISC github.com/http4s/http4s/commit/52e1890665410b4385e37b96bc49c5e3c708e4e9
StaticFile.fromUrl can leak presence of a directory · Advisory · http4s/http4s · GitHub	github.com text/html	CONFIRM github.com/http4s/http4s/security/advisories/GHSA-6h7w-fc84-x7p6
Maven Repository: org.http4s » http4s-core	web.archive.org text/html Inactive Link Not Archived	MISC mvnrepository.com/artifact/org.http4s/http4s-core

Related QID Numbers

983827 Java (maven) Security Update for org.http4s:http4s-core (GHSA-6h7w-fc84-x7p6)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Typelevel	Http4s	All	All	All	All
Application	Typelevel	Http4s	0.22.0	milestone1	All	All
Application	Typelevel	Http4s	0.22.0	milestone2	All	All
Application	Typelevel	Http4s	0.22.0	milestone3	All	All
Application	Typelevel	Http4s	0.22.0	milestone4	All	All
Application	Typelevel	Http4s	0.22.0	milestone5	All	All
Application	Typelevel	Http4s	0.22.0	milestone6	All	All
Application	Typelevel	Http4s	0.22.0	milestone7	All	All
Application	Typelevel	Http4s	0.22.0	milestone8	All	All

Application	Typelevel	Http4s	0.23.0	milestone1	All	All
Application	Typelevel	Http4s	1.0.0	milestone1	All	All
Application	Typelevel	Http4s	1.0.0	milestone10	All	All
Application	Typelevel	Http4s	1.0.0	milestone11	All	All
Application	Typelevel	Http4s	1.0.0	milestone12	All	All
Application	Typelevel	Http4s	1.0.0	milestone13	All	All
Application	Typelevel	Http4s	1.0.0	milestone14	All	All
Application	Typelevel	Http4s	1.0.0	milestone15	All	All
Application	Typelevel	Http4s	1.0.0	milestone16	All	All
Application	Typelevel	Http4s	1.0.0	milestone17	All	All
Application	Typelevel	Http4s	1.0.0	milestone18	All	All
Application	Typelevel	Http4s	1.0.0	milestone19	All	All
Application	Typelevel	Http4s	1.0.0	milestone2	All	All
Application	Typelevel	Http4s	1.0.0	milestone20	All	All
Application	Typelevel	Http4s	1.0.0	milestone21	All	All
Application	Typelevel	Http4s	1.0.0	milestone22	All	All
Application	Typelevel	Http4s	1.0.0	milestone3	All	All
Application	Typelevel	Http4s	1.0.0	milestone4	All	All
Application	Typelevel	Http4s	1.0.0	milestone5	All	All
Application	Typelevel	Http4s	1.0.0	milestone6	All	All
Application	Typelevel	Http4s	1.0.0	milestone7	All	All
Application	Typelevel	Http4s	1.0.0	milestone8	All	All
Application	Typelevel	Http4s	1.0.0	milestone9	All	All

cpe:2.3:a:typelevel:http4s:*:*:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone1:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone2:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone3:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone4:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone5:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone6:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone7:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.22.0:milestone8:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:0.23.0:milestone1:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone1:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone10:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone11:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone12:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone13:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone14:*:*:*:*:*:*:

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cpe:2.3:a:typelevel:http4s:1.0.0:milestone19:*:*:*:*:*:*:

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cpe:2.3:a:typelevel:http4s:1.0.0:milestone20:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone21:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone22:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone3:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone4:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone5:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone6:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone7:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone8:*:*:*:*:*:*:

cpe:2.3:a:typelevel:http4s:1.0.0:milestone9:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-32643 : Http4s is a Scala interface for HTTP services. `StaticFile.fromUrl` can leak the presence of a dir… twitter.com/i/web/status/1…	2021-05-27 17:16:44
/r/netcve	CVE-2021-32643	2021-05-27 17:41:49

← Previous ID Next ID→

CVE.report and Source URL Uptime Status status.cve.report