CVE-2021-3882

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CVE-2021-3882 - advisory for 7061d97a-98a5-495a-8ba0-3a4c66091e9d

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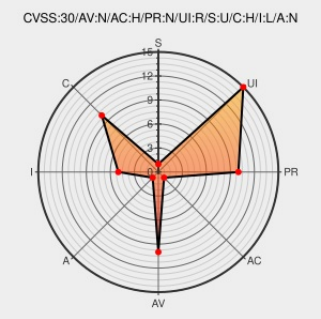

Certain versions of Ledgersmb from Ledgersmb contain the following vulnerability:

LedgerSMB does not set the 'Secure' attribute on the session authorization cookie when the client uses HTTPS and the LedgerSMB server is behind a reverse proxy. By tricking a user to use an unencrypted connection (HTTP), an attacker may be able to obtain the authentication data by capturing network traffic. LedgerSMB 1.8 and newer switched from Basic authentication to using cookie authentication with encrypted cookies. Although an attacker can't access the information inside the cookie, nor the password of the user, possession of the cookie is enough to access the application as the user from which the cookie has been obtained. In order for the attacker to obtain the cookie, first of all the server must be configured to respond to unencrypted requests, the attacker must be suitably positioned to eavesdrop on the network traffic between the client and the server *and* the user must be tricked into using unencrypted HTTP traffic. Proper audit control and separation of duties limit Integrity impact of the attack vector. Users of LedgerSMB 1.8 are urged to upgrade to known-fixed versions. Users of LedgerSMB 1.7 or 1.9 are unaffected by this vulnerability and don't need to take action. As a workaround, users may configure their Apache or Nginx reverse proxy to add the Secure attribute at the network boundary instead of relying on LedgerSMB. For Apache, please refer to the 'Header always edit' configuration command in the mod_headers module. For Nginx, please refer to the 'proxy_cookie_flags' configuration command.

CVE-2021-3882 has been assigned by security@huntr.dev to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **ledgersmb** - **ledgersmb/ledgersmb** version **>= 1.8.0**

Affected Vendor/Software: **ledgersmb** - **ledgersmb/ledgersmb** version **<= 1.8.21**

CVSS3 Score: 6.8 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	REQUIRED

NETWORK	HIGH	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	NONE

CVSS2 Score: 4 - MEDIUM

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

CVE References

Description	Tags	Link
Page not found | LedgerSMB	ledgersmb.org text/html Inactive Link Not Archived	MISC ledgersmb.org/cve-2021-3882-sensitive-non-secure-cookie
Use HTTPS environment setting to detect https connections · ledgersmb/LedgerSMB@c242f5a · GitHub	github.com text/html	MISC github.com/ledgersmb/ledgersmb/commit/c242f5a2abf4b99b0da205473cbba(
huntr: Disclose & Fix Security Vulnerabilities in Open Source	huntr.dev text/html Inactive Link Not Archived	CONFIRM huntr.dev/bounties/7061d97a-98a5-495a-8ba0-3a4c66091e9d

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Ledgersmb	Ledgersmb	1.8.0	-	All	All

cpe:2.3:a:ledgersmb:ledgersmb:1.8.0:-:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-3882 : LedgerSMB does not set the 'Secure' attribute on the session authorization cookie when the client u… twitter.com/i/web/status/1…	2021-10-14 08:24:44

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