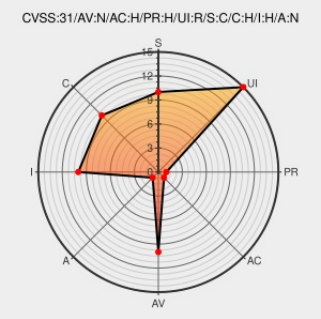
CVE-2020-26233

Published on: 12/08/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:23:56 PM UTC

CVE-2020-26233 - advisory for GHSA-2gq7-ww4j-3m76

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



Certain versions of Git Credential Manager Core from Microsoft contain the following vulnerability:

Git Credential Manager Core (GCM Core) is a secure Git credential helper built on .NET Core that runs on Windows and macOS. In Git Credential Manager Core before version 2.0.289, when recursively cloning a Git repository on Windows with submodules, Git will first clone the top-level repository and then recursively clone all submodules by starting new Git processes from the top-level working directory. If a malicious git.exe executable is present in the top-level repository then this binary will be started by Git Credential Manager Core when attempting to read configuration, and not git.exe as found on the %PATH%. This only affects GCM Core on Windows, not macOS or Linux-based distributions. GCM Core version 2.0.289 contains the fix for this vulnerability, and is available from the project's GitHub releases page. GCM Core 2.0.289 is also bundled in the latest Git for Windows release; version 2.29.2(3). As a workaround, users should avoid recursively cloning untrusted repositories with the --recurse-submodules option.

CVE-2020-26233 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **microsoft** - **Git-Credential-Manager-Core** version **<= 2.0.280**

CVSS3 Score: 7.3 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	HIGH	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
CHANGED	HIGH	HIGH	NONE

CVSS2 Score: 3.6 - LOW

Access Vector	Access Complexity	Authentication
NETWORK	HIGH	SINGLE

NETWORK	HIGH	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	NONE

CVE References

Description	Tags	Link
Attack of the clones 2: Git CLI remote code execution strikes back	Exploit, Third Party Advisory, blog.blazeinfosec.com, text/html	MISC blog.blazeinfosec.com/attack-of-the-clones-2-git-command-client-remote-code-execution-strikes-back/
Merged PR 585167: [Security] Enumerate the PATH environment variable … · microsoft/Git-Credential-Manager-Core@61c0388 · GitHub	Patch, Third Party Advisory, github.com, text/html	MISC github.com/microsoft/Git-Credential-Manager-Core/commit/61c0388e064babb3b4e60d3ec269e8a07ab3bc76
Git recursive clone can result in remote code execution facilitated by GCM Core (affects Windows only) · Advisory · microsoft/Git-Credential-Manager-Core · GitHub	Third Party Advisory, github.com, text/html	CONFIRM github.com/microsoft/Git-Credential-Manager-Core/security/advisories/GHSA-2gq7-ww4j-3m76
git-clone(1) Manual Page	Third Party Advisory, git-scm.com, text/html	MISC git-scm.com/docs/git-clone#Documentation/git-clone.txt---recurse-submodulesltpathspecgt
Release GCM 2.0.289-beta · microsoft/Git-Credential-Manager-Core · GitHub	Release Notes, Third Party Advisory, github.com, text/html	MISC github.com/microsoft/Git-Credential-Manager-Core/releases/tag/v2.0.289-beta

Related QID Numbers

375469 Git Credential Manager Core Untrusted Cloning of Repository Vulnerability

375543 Git Credential Manager Core Untrusted Cloning of Repository Vulnerability

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Microsoft	Git Credential Manager Core	All	All	All	All
Application	Microsoft	Git Credential Manager Core	All	All	All	All

cpe:2.3:a:microsoft:git_credential_manager_core:*:*:*:*:*:windows:*:*:

cpe:2.3:a:microsoft:git_credential_manager_core:*:*:*:*:*:windows:*:*:

No vendor comments have been submitted for this CVE

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