



CVE-2020-10519

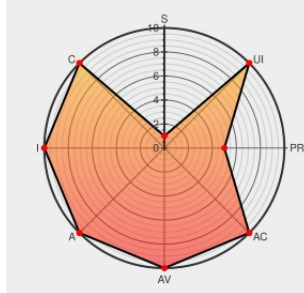
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CVE-2020-10519

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Github](#) from [Github](#) contain the following vulnerability:

A remote code execution vulnerability was identified in GitHub Enterprise Server that could be exploited when building a GitHub Pages site. User-controlled configuration of the underlying parsers used by GitHub Pages were not sufficiently restricted and made it possible to execute commands on the GitHub Enterprise Server

instance. To exploit this vulnerability, an attacker would need permission to create and build a GitHub Pages site on the GitHub Enterprise Server instance. This vulnerability affected all versions of GitHub Enterprise Server prior to 2.22.7 and was fixed in 2.22.7, 2.21.15, and 2.20.24. The underlying issues contributing to this vulnerability were identified through the GitHub Security Bug Bounty program.

CVE-2020-10519 has been assigned by [product-cna@github.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.20.24

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.21.15

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.22.7

CVSS3 Score: **8.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **6.5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE

NETWORK	LOW	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Release notes - GitHub Docs	docs.github.com text/html	MISC docs.github.com/en/enterprise-server@2.21/admin/release-notes#2.21.15
Release notes - GitHub Docs	Release Notes Vendor Advisory docs.github.com text/html	MISC docs.github.com/en/enterprise-server@2.22/admin/release-notes#2.22.7
Release notes - GitHub Docs	docs.github.com text/html	MISC docs.github.com/en/enterprise-server@2.20/admin/release-notes#2.20.24

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Github	Github	All	All	All	All
Application	Github	Github	All	All	All	All
cpe:2.3:a:github:github:*.~.*~.*~.*:enterprise:~.*~.*~.*						
cpe:2.3:a:github:github:*.~.*~.*~.*:enterprise:~.*~.*~.*						

Discovery Credit

yvvdwf

Social Mentions

Source	Title	Posted (UTC)
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