



CVE-2020-10516

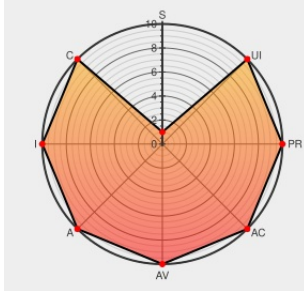
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CVE-2020-10516

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

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



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

An improper access control vulnerability was identified in the GitHub Enterprise Server API that allowed an organization member to escalate permissions and gain access to unauthorized repositories within an organization. This vulnerability affected all versions of GitHub Enterprise Server prior to 2.21 and was fixed in 2.20.9, 2.19.15, and 2.18.20. This vulnerability was reported via the GitHub Bug Bounty program.

CVE-2020-10516 has been assigned by [product-cna@github.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.20.9

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.19.15

Affected Vendor/Software: [GitHub](#) - **GitHub Enterprise Server** version < 2.18.20

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
GitHub Enterprise - The best way to build and ship software	Release Notes Third Party Advisory enterprise.github.com text/html	 MISC enterprise.github.com/releases/2.20.9/notes
GitHub Enterprise - The best way to build and ship software	Release Notes Third Party Advisory enterprise.github.com text/html	 MISC enterprise.github.com/releases/2.18.20/notes
GitHub Enterprise - The best way to build and ship software	Release Notes Third Party Advisory enterprise.github.com text/html	 MISC enterprise.github.com/releases/2.19.15/notes

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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

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