sysstat overflow on 32-bit systems

Moderate sysstat published GHSA-q8r6-g56f-9w7x 21 days ago

Package

(▶ sysstat (GitHub Actions)

Affected versions

>= 9.1.6

Patched versions

12.7.1

Description

Summary

On 32 bit systems, an arithmetic overflow present in allocate_structures can be triggered when displaying activity data files and may lead to a variety of exploit primitives due to an incorrectly sized buffer.

Details

Issue: size_t overflow in sa_common.c (GHSL-2022-074)

allocate_structures function located in sa_common.c insufficiently checks bounds before arithmetic multiplication ([1]) allowing for an overflow in the size allocated for the buffer representing system activities.

}

Impact

This issue may lead to Remote Code Execution (RCE)

For more information

If you have any questions or comments about this advisory:

• Email me at sysstat [at] orange [dot] fr

Severity

(Moderate)

CVE ID

CVE-2022-39377

Weaknesses

No CWEs