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RUSTSEC-2021-0022 $\mathsf{History} \cdot \mathsf{Edit}$

Use-after-free in subscript_next and subscript_prev wrappers

Reported

Issued

Package yottadb (crates.io

Туре

Categories memory-corruption

Keywords #use-after-free Aliases CVE-2021-27377

Details https://gitlab.com/YottaDB/Lang/YDBRust/-/issues/40

CVSS Score

CVSS Details

Attack vector

Attack complexity Low Privileges required None User interaction

Scope

Confidentiality Integrity Availability

CVSS Vector CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Patched >=1.2.0

Affected Functions yottadb::Key::sub_next_self_st <1.2.0 yottadb::Key::sub_prev_self_st <1.2.0 yottadb::KeyContext::sub_next_self_st <1.2.0 yottadb::KeyContext::sub_prev_self_st <1.2.0</pre>

Description

Affected versions of this crate had an unsound implementation which could pass a pointer to freed memory to ydb_subscript_next_st and <code>ydb_subscript_prev_st</code> if the variable and subscripts did not have enough memory allocated on the first call to hold the next

yottadb has no reverse-dependencies on crates.io and there are no known instances of this API being used incorrectly in practice. The fix is