DB Update CVE-2025-0078 - SCOIE: 7.8 Components:

Description:

A flaw was found in grub2. When reading data from a squash4
filesystem, grub's squash4 fs module uses user-controlled
parameters from the filesystem geometry to determine the
internal buffer size, however, it improperly checks for integer
overflows. A maliciously crafted filesystem may lead some of
those buffer size calculations to overflow, causing it to
perform a grub_malloc() operation with a smaller size than
expected. As a result, the direct_read() will perform a heap
based out-of-bounds write during data reading. This flaw may be
leveraged to corrupt grub's internal critical data and may
result in arbitrary code execution, by-passing secure boot
protections.

Main problems:

0 1 0 -1

190 "Integer Overflow or Wraparound"