

10th International Conference "Distributed Computing and Grid
Technologies in Science and Education" (GRID'2023)



Contribution ID: 227

Type: **not specified**

Toward Formalization of Software Security Issues

Monday, 3 July 2023 16:30 (15 minutes)

CVE, CWE, and CAPEC databases and their relationships are shortly introduced. Focus on this paper is on formalization and more specific on weakness formalization. Software weaknesses are described as formatted text. There is no widely accepted formal notation for weakness specification. This paper shows how Z-notation can be used for formal specification of CWE-119.

Summary

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Session Classification: Distributed Computing Systems

Track Classification: Distributed Computing Systems