

Peer Response 01

Hi Doug,

Thanks for your sharing your thoughts.

The CVSS framework is grouped into 3 categories, base, temporal and environmental (IBM Documentation, 2022). The scoring of the 3 groups identified are relied on the scoring of the characteristics of the vulnerabilities. According to (IBM Documentation, 2022), there are assumptions and guidelines that are made in order to provide a CVSS score.

As (Spring et al., 2021), mentions in their article, CVSS is designed to identify technical severities and not the risk of the vulnerabilities, however, according to (Tatar, 2022), assigning a range of values to a range of scores may easily demonstrate the severity of the vulnerability or threat.

As there is contradiction on the CVSS scoring system, in my opinion, CVSS is a qualitative as this is subjective to the individual scoring the vulnerabilities of the threat.

References:

- Ibm.com. 2022. IBM Documentation. [online] Available at: <<https://www.ibm.com/docs/en/qradar-on-cloud?topic=vulnerabilities-common-vulnerability-scoring-system-cvss>> [Accessed 27 September 2022].
- Tatar, S., 2022. CVSS: Measuring the Severity of an IT Security Vulnerability | Arctic Wolf. [online] Arctic Wolf. Available at: <<https://arcticwolf.com/resources/blog/cvss-measuring-severity-of-an-it-security-vulnerability/>> [Accessed 28 September 2022].
- Spring, J., Hatleback, E., Householder, A., Manion, A. and Shick, D., 2021. Time to Change the CVSS?. [online] Ieeeexplore-ieee-org.uniessexlib.idm.oclc.org. Available at: <<https://ieeexplore-ieee-org.uniessexlib.idm.oclc.org/document/9382369/>> [Accessed 21 September 2022].

Peer Response 02

Hi Patricia,

This is a very insightful post.

I would agree with you that CVSS is a qualitative risk assessment based on the subjective of the individual providing the scores of the assessment which impact the final score.

In addition, according to Spring et al. (2021), the calculation formula has not been justified properly which affects the CIA triad of the system. This, therefore, provides insufficient evidence that the formula is robust.

Reference:

- Spring, J., Hatleback, E., Householder, A., Manion, A. and Shick, D., 2021. Time to Change the CVSS?. [online] [ieeexplore-ieee-org.uniessexlib.idm.oclc.org](https://ieeexplore-ieee-org.uniessexlib.idm.oclc.org/document/9382369/). Available at: <https://ieeexplore-ieee-org.uniessexlib.idm.oclc.org/document/9382369/> [Accessed 5 October 2022].

Peer Response 03

Hi Yash,

Thanks for sharing your experience on the CVSS scores you had during your penetration testing.

Would you think that CVSS scores are limited to the severity of the technicality of the vulnerabilities instead of the risk of the vulnerability due to the lack of justification of the formula and the scoring being subjective?