

Log4j is a software tool to record activities in a wide range of computer systems ((What is Log4j? A cybersecurity expert explains the latest internet vulnerability, how bad it is and what's at stake, 2022). This is a vulnerability that was exploited by cyber criminals around November/ December 2021((What is Log4Shell? The Log4j vulnerability explained (and what to do about it), 2022).

The advantages of logging events are:

- Can help understand how the system is operating
- Provides insights into the health of the system
- Optimises troubleshooting by providing access to concurrent users

(The Benefits of Monitoring Event Logs | Mezmo, 2022)

The disadvantages are:

- Logs require to be displayed in a meaningful manner
- Takes a lot of storage space
- The logs need to be secure

(Wistow, 2018)

References:

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- Dynatrace news. 2022. *What is Log4Shell? The Log4j vulnerability explained (and what to do about it)*. [online] Available at: <https://www.dynatrace.com/news/blog/what-is-log4shell/?utm_source=google&utm_medium=cpc&utm_term=log4j%20vulnerability%20explained&utm_campaign=uk-application-security&utm_content=none&gclid=CjwKCAjwiuRBhBvEiwAFXKaNJd3hLzYluXvBtIP63_lIoBFvzAYOePxfft2D6ded7EXfaTu4j4BoCrHAQAvD_BwE&gclidsrc=aw.ds> [Accessed 12 July 2022].
- Wistow, S., 2018. *3 Common logging challenges*. [online] Fastly.com. Available at: <<https://www.fastly.com/blog/3-common-logging-challenges>> [Accessed 12 July 2022].

