

Log4Shell

Impact by the Numbers

90%

of the Fortune 500 **use Java**¹

1M

attack attempts were launched in just 72 hours following the Log4Shell vulnerability disclosure²

30%

of Log4Shell instances **remain vulnerable**³

The Aftermath

1 Exposure

150M

Number of IT, cloud assets and apps scanned globally

22M

Flagged 22 million vulnerable **app** installations, of which more than 80% were open source applications

3M

Log4Shell was **detected in more than 3 million vulnerable instances**

2 Vulnerability Trends

80%

The vast majority of the vulnerable assets (over 80%) were on Linux

55%

A total of 98 distinct Log4j2 versions were observed in use, 55% of which were vulnerable versions

20%

There was a 20% spike in detections as the new year arrived and employees returned to work

3 Threat Landscape



Nearly 68,000 vulnerabilities were found in cloud workloads



CISA and NCSC reported 1,495 products vulnerable to Log4Shell (1,065 products across 52 publishers currently in use)



More than 50% of application installations with Log4j2 were flagged as "end of support"



The vulnerability was detected in more than 2,800 web applications

4 Remediation Trends

17 days

Average time to remediation after detection was 17 days

5 Attack Patterns

22K per week

Detected 22,000 potential attacks per week at the height of the crisis

Data Analyzed



Qualys indexed more than **10 trillion** data points across its installed enterprise customer base



completed **6 billion** IP scans per year



with **75 million** cloud agents deployed in hybrid IT environments globally

The Qualys Research Team has released more than 70 vulnerability detections to date. We continue to update our guidance as vendors release Log4Shell patches. Please visit our [Log4Shell Resource Center](https://www.qualys.com/log4shell-cve-2021-44228). www.qualys.com/log4shell-cve-2021-44228

FOOTNOTES

¹<https://blogs.oracle.com/oracleuniversity/post/why-does-java-remain-so-popular>

²<https://www.itpro.co.uk/security/zero-day-exploit/361847/log4shell-zero-day-vulnerability-numbers-revealed>

³does not account for any mitigations applied

ABOUT: Qualys, Inc. (NASDAQ: QLYS) is a pioneer and leading provider of disruptive cloud-based Security, Compliance and IT solutions with more than 10,000 subscription customers worldwide, including a majority of the Forbes Global 100 and Fortune 100.

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