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NCSC Alert

Critical Vulnerabilities in VMware Cloud Foundation Platform CVE-2021-39144

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Description

VMware has released a software update that addresses [CVE-2021-39144](#), a critical vulnerability in the VMware Cloud Foundation platform. The vulnerability is in the XStream open-source library that is used by VMware Cloud Foundation.

CVE-2021-39144 is a critical vulnerability with a CVSSv3 base score of **9.8**. Exploitation of this vulnerability could enable an attacker to perform remote code execution with root-level privileges.

There is currently no known PoC and there have been no reports, as of yet, of this vulnerability being exploited in the wild.

Products Affected

All versions of VMware NSX Data Center for vSphere (NSX-V) prior to NSX-V 6.4.14 appliances.

Impact

Remote code execution, denial of service, access to sensitive data.

Recommendations

The NCSC strongly advises affected organisations to apply the KB 89809 patch released by VMware on 25 October 2022. More information can be found here: <https://kb.vmware.com/s/article/89809>

The above patch also addresses [CVE-2022-31678](#). This vulnerability has a CVSSv3 score of 5.3 and exploitation could lead to denial of service or information disclosure following successful XML external entity injection (XXE) attacks.

This patch will remediate both vulnerabilities.

For organisations that are unable to apply the patch immediately, VMware have also released details of a workaround as a temporary mitigation measure, details of which can be found here: <https://kb.vmware.com/s/article/89809>

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National Cyber Security Centre
29-31 Adelaide Road,
Dublin, D02 X285,
Ireland
Tel: +353 (0)1 6782333
Mail: certreport@decc.gov.ie
Web: ncsc.gov.ie
Twitter: [ncsc_gov_ie](https://twitter.com/ncsc_gov_ie)
LinkedIn: [ncsc-ie](https://www.linkedin.com/company/ncsc-ie)

