USN-4876-1: Linux kernel vulnerabilities

Olivier Benjamin and Pawel Wieczorkiewicz discovered a race condition the

Xen paravirt block backend in the Linux kernel, leading to a use-after-free

vulnerability. An attacker in a guest VM could use this to cause a denial

of service in the host OS. (CVE-2020-29569)

It was discovered that the Marvell WiFi-Ex device driver in the Linux

kernel did not properly validate ad-hoc SSIDs. A local attacker could use

this to cause a denial of service (system crash) or possibly execute

arbitrary code. (CVE-2020-36158)

□□ discovered that the NFS implementation in the Linux kernel did not

properly prevent access outside of an NFS export that is a subdirectory of

a file system. An attacker could possibly use this to bypass NFS access

restrictions. (CVE-2021-3178)