



CVE-2021-22040

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2021-22040
State	PUBLIC
Assigner	security@vmware.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-02-16 17:15:00 UTC
Updated	2022-02-24 19:43:00 UTC
Description	VMware ESXi, Workstation, and Fusion contain a use-after-free vulnerability in the XHCI USB controller. A malicious actor

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Vmware	Cloud Foundation	All	All	All	All
Operating System	Vmware	Esxi	6.5	-	All	All
Operating System	Vmware	Esxi	6.5	650-202202401	All	All
Operating System	Vmware	Esxi	6.7	-	All	All
Operating System	Vmware	Esxi	6.7	670-201806001	All	All
Operating System	Vmware	Esxi	6.7	670-201807001	All	All
Operating System	Vmware	Esxi	6.7	670-201808001	All	All
Operating System	Vmware	Esxi	6.7	670-201810001	All	All
Operating System	Vmware	Esxi	6.7	670-201810101	All	All
Operating System	Vmware	Esxi	6.7	670-201810102	All	All
Operating System	Vmware	Esxi	6.7	670-201810103	All	All
Operating System	Vmware	Esxi	6.7	670-201810201	All	All
Operating System	Vmware	Esxi	6.7	670-201810202	All	All
Operating System	Vmware	Esxi	6.7	670-201810203	All	All
Operating System	Vmware	Esxi	6.7	670-201810204	All	All
Operating System	Vmware	Esxi	6.7	670-201810205	All	All
Operating System	Vmware	Esxi	6.7	670-201810206	All	All

Operating System	Vmware	Esxi	6.7	670-201810207	All	All
Operating System	Vmware	Esxi	6.7	670-201810208	All	All
Operating System	Vmware	Esxi	6.7	670-201810209	All	All
Operating System	Vmware	Esxi	6.7	670-201810210	All	All
Operating System	Vmware	Esxi	6.7	670-201810211	All	All
Operating System	Vmware	Esxi	6.7	670-201810212	All	All
Operating System	Vmware	Esxi	6.7	670-201810213	All	All
Operating System	Vmware	Esxi	6.7	670-201810214	All	All
Operating System	Vmware	Esxi	6.7	670-201810215	All	All
Operating System	Vmware	Esxi	6.7	670-201810216	All	All
Operating System	Vmware	Esxi	6.7	670-201810217	All	All
Operating System	Vmware	Esxi	6.7	670-201810218	All	All
Operating System	Vmware	Esxi	6.7	670-201810219	All	All
Operating System	Vmware	Esxi	6.7	670-201810220	All	All
Operating System	Vmware	Esxi	6.7	670-201810221	All	All
Operating System	Vmware	Esxi	6.7	670-201810222	All	All
Operating System	Vmware	Esxi	6.7	670-201810223	All	All
Operating System	Vmware	Esxi	6.7	670-201810224	All	All
Operating System	Vmware	Esxi	6.7	670-201810225	All	All
Operating System	Vmware	Esxi	6.7	670-201810226	All	All
Operating System	Vmware	Esxi	6.7	670-201810227	All	All
Operating System	Vmware	Esxi	6.7	670-201810228	All	All
Operating System	Vmware	Esxi	6.7	670-201810229	All	All
Operating System	Vmware	Esxi	6.7	670-201810230	All	All
Operating System	Vmware	Esxi	6.7	670-201810231	All	All
Operating System	Vmware	Esxi	6.7	670-201810232	All	All
Operating System	Vmware	Esxi	6.7	670-201810233	All	All
Operating System	Vmware	Esxi	6.7	670-201810234	All	All
Operating System	Vmware	Esxi	6.7	670-201811001	All	All
Operating System	Vmware	Esxi	6.7	670-201901001	All	All
Operating System	Vmware	Esxi	6.7	670-201901401	All	All
Operating System	Vmware	Esxi	6.7	670-201901402	All	All
Operating System	Vmware	Esxi	6.7	670-201901403	All	All
Operating System	Vmware	Esxi	6.7	670-201903001	All	All
Operating System	Vmware	Esxi	6.7	670-201904001	All	All

Operating System	Vmware	Esxi	6.7	670-201904218-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904219	All	All
Operating System	Vmware	Esxi	6.7	670-201904219-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904220	All	All
Operating System	Vmware	Esxi	6.7	670-201904220-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904221	All	All
Operating System	Vmware	Esxi	6.7	670-201904221-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904222	All	All
Operating System	Vmware	Esxi	6.7	670-201904222-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904223	All	All
Operating System	Vmware	Esxi	6.7	670-201904223-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904224	All	All
Operating System	Vmware	Esxi	6.7	670-201904224-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904225	All	All
Operating System	Vmware	Esxi	6.7	670-201904225-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904226	All	All
Operating System	Vmware	Esxi	6.7	670-201904226-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904227	All	All
Operating System	Vmware	Esxi	6.7	670-201904227-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904228	All	All
Operating System	Vmware	Esxi	6.7	670-201904228-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201904229	All	All
Operating System	Vmware	Esxi	6.7	670-201904229-ug	All	All
Operating System	Vmware	Esxi	6.7	670-201905001	All	All
Operating System	Vmware	Esxi	6.7	670-201906002	All	All
Operating System	Vmware	Esxi	6.7	670-201908101	All	All
Operating System	Vmware	Esxi	6.7	670-201908102	All	All
Operating System	Vmware	Esxi	6.7	670-201908103	All	All
Operating System	Vmware	Esxi	6.7	670-201908104	All	All
Operating System	Vmware	Esxi	6.7	670-201908201	All	All
Operating System	Vmware	Esxi	6.7	670-201908202	All	All
Operating System	Vmware	Esxi	6.7	670-201908203	All	All
Operating System	Vmware	Esxi	6.7	670-201908204	All	All
Operating System	Vmware	Esxi	6.7	670-201908205	All	All
Operating System	Vmware	Esxi	6.7	670-201908206	All	All
Operating System	Vmware	Esxi	6.7	670-201908207	All	All

Operating System	Vmware	Esxi	6.7	670-201908208	All	All
Operating System	Vmware	Esxi	6.7	670-201908209	All	All
Operating System	Vmware	Esxi	6.7	670-201908210	All	All
Operating System	Vmware	Esxi	6.7	670-201908211	All	All
Operating System	Vmware	Esxi	6.7	670-201908212	All	All
Operating System	Vmware	Esxi	6.7	670-201908213	All	All
Operating System	Vmware	Esxi	6.7	670-201908214	All	All
Operating System	Vmware	Esxi	6.7	670-201908215	All	All
Operating System	Vmware	Esxi	6.7	670-201908216	All	All
Operating System	Vmware	Esxi	6.7	670-201908217	All	All
Operating System	Vmware	Esxi	6.7	670-201908218	All	All
Operating System	Vmware	Esxi	6.7	670-201908219	All	All
Operating System	Vmware	Esxi	6.7	670-201908220	All	All
Operating System	Vmware	Esxi	6.7	670-201908221	All	All
Operating System	Vmware	Esxi	6.7	670-201911001	All	All
Operating System	Vmware	Esxi	6.7	670-201912001	All	All
Operating System	Vmware	Esxi	6.7	670-201912101	All	All
Operating System	Vmware	Esxi	6.7	670-201912102	All	All
Operating System	Vmware	Esxi	6.7	670-201912401	All	All
Operating System	Vmware	Esxi	6.7	670-201912402	All	All
Operating System	Vmware	Esxi	6.7	670-201912403	All	All
Operating System	Vmware	Esxi	6.7	670-201912404	All	All
Operating System	Vmware	Esxi	6.7	670-201912405	All	All
Operating System	Vmware	Esxi	6.7	670-202004001	All	All
Operating System	Vmware	Esxi	6.7	670-202004002	All	All
Operating System	Vmware	Esxi	6.7	670-202004301	All	All
Operating System	Vmware	Esxi	6.7	670-202004401	All	All
Operating System	Vmware	Esxi	6.7	670-202004402	All	All
Operating System	Vmware	Esxi	6.7	670-202004403	All	All
Operating System	Vmware	Esxi	6.7	670-202004404	All	All
Operating System	Vmware	Esxi	6.7	670-202004405	All	All
Operating System	Vmware	Esxi	6.7	670-202004406	All	All
Operating System	Vmware	Esxi	6.7	670-202004407	All	All
Operating System	Vmware	Esxi	6.7	670-202004408	All	All
Operating System	Vmware	Esxi	6.7	670-202006001	All	All

Operating System	Vmware	Esxi	6.7	670-202008001	All	All
Operating System	Vmware	Esxi	6.7	670-202010001	All	All
Operating System	Vmware	Esxi	6.7	670-202011001	All	All
Operating System	Vmware	Esxi	6.7	670-202011002	All	All
Operating System	Vmware	Esxi	6.7	670-202102001	All	All
Operating System	Vmware	Esxi	6.7	670-202103001	All	All
Operating System	Vmware	Esxi	6.7	670-202111101	All	All
Operating System	Vmware	Esxi	7.0	-	All	All
Operating System	Vmware	Esxi	7.0	update_1	All	All
Operating System	Vmware	Esxi	7.0	update_2	All	All
Operating System	Vmware	Esxi	7.0	update_3	All	All
Application	Vmware	Fusion	All	All	All	All
Application	Vmware	Workstation Player	All	All	All	All
Application	Vmware	Workstation Pro	All	All	All	All

References

Reference	Source	Link	Tags
VMSA-2022-0004	MISC	www.vmware.com	Patch, Vendor Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

216281 VMware ESXi 6.5 Patch Release ESXi650-202202401-SG Missing (VMSA-2022-0004)
216282 VMware ESXi 7.0 Patch Release ESXi70U1e-19324898 Missing (VMSA-2022-0004)
216283 VMware ESXi 7.0 Patch Release ESXi70U2e-19290878 Missing (VMSA-2022-0004)
216284 VMware ESXi 7.0 Patch Release ESXi70U3c-19193900 Missing (VMSA-2022-0004)
376422 VMware Workstation and VMware Fusion Multiple Vulnerabilities (VMSA-2022-0004)

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

