CVE-2020-0688

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Summary

CVE	CVE-2020-0688
State	PUBLIC
Assigner	secure@microsoft.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-02-11 22:15:00 UTC
Updated	2022-07-12 17:42:00 UTC
Description	A remote code execution vulnerability exists in Microsoft Exchange software when the software fails to properly handle obje

Risk And Classification

EPSS: 0.943960000 probability, percentile 0.999740000 (date 2026-04-14)

CISA KEV: Listed on 2021-11-03; due 2022-05-03; ransomware use Known

Problem Types: CWE-287

CISA Known Exploited Vulnerability

Vendor	Microsoft
Product	Exchange Server
Name	Microsoft Exchange Server Validation Key Remote Code Execution Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2020-0688

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Microsoft	Exchange Server	2010	sp3_rollup_30	All	All
Application	Microsoft	Exchange Server	2013	cumulative_update_23	All	All
Application	Microsoft	Exchange Server	2016	cumulative_update_14	All	All
Application	Microsoft	Exchange Server	2016	cumulative_update_15	All	All
Application	Microsoft	Exchange Server	2019	cumulative_update_3	All	All
Application	Microsoft	Exchange Server	2019	cumulative_update_4	All	All
Application	Microsoft	Exchange Server	2010	sp3_rollup_30	All	All
Application	Microsoft	Exchange Server	2013	cumulative_update_23	All	All

Application	Microsoft	Exchange Server	2016	cumulative_update_14	All	All
Application	Microsoft	Exchange Server	2016	cumulative_update_15	All	All
Application	Microsoft	Exchange Server	2019	cumulative_update_3	All	All
Application	Microsoft	Exchange Server	2019	cumulative_update_4	All	All

References

Reference	Source	Link	Tags
Exchange Control Panel Viewstate Deserialization ≈ Packet Storm	MISC	packetstormsecurity.com	
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-0688	MISC	portal.msrc.microsoft.com	Patch, Vendor Ac
Microsoft Exchange 2019 15.2.221.12 Remote Code Execution ≈ Packet Storm	MISC	packetstormsecurity.com	
ZDI-20-258 | Zero Day Initiative	MISC	www.zerodayinitiative.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analys
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov	kev

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.