



# CVE-2018-0802

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

## Summary

<b>CVE</b>	CVE-2018-0802
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@microsoft.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2018-01-10 01:29:00 UTC
<b>Updated</b>	2020-08-24 17:37:00 UTC
<b>Description</b>	Equation Editor in Microsoft Office 2007, Microsoft Office 2010, Microsoft Office 2013, and Microsoft Office 2016 allow a re

## Risk And Classification

**EPSS:** 0.940730000 probability, percentile 0.999020000 (date 2026-04-01)

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

**Problem Types:** CWE-787

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Microsoft
<b>Product</b>	Office
<b>Name</b>	Microsoft Office Memory Corruption Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://nvd.nist.gov/vuln/detail/CVE-2018-0802">https://nvd.nist.gov/vuln/detail/CVE-2018-0802</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2007	sp3	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2010	sp2	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2013	sp1	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2016	All	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2016	All	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2007	sp3	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2010	sp2	All	All
Application	<a href="#">Microsoft</a>	<a href="#">Office</a>	2013	sp1	All	All

Application	Microsoft	Office	2016	All	All	All
Application	Microsoft	Office	2016	All	All	All
Application	Microsoft	Office Compatibility Pack	-	sp3	All	All
Application	Microsoft	Office Compatibility Pack	-	sp3	All	All
Application	Microsoft	Word	2007	sp3	All	All
Application	Microsoft	Word	2010	sp2	All	All
Application	Microsoft	Word	2013	sp1	All	All
Application	Microsoft	Word	2013	sp1	All	All
Application	Microsoft	Word	2016	All	All	All
Application	Microsoft	Word	2007	sp3	All	All
Application	Microsoft	Word	2010	sp2	All	All
Application	Microsoft	Word	2013	sp1	All	All
Application	Microsoft	Word	2013	sp1	All	All
Application	Microsoft	Word	2016	All	All	All

## References

Reference	Source	Link
GitHub - zldww2011/CVE-2018-0802_POC: Exploit the vulnerability to execute the calculator	MISC	<a href="#">gith</a>
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-0802	CONFIRM	<a href="#">port</a>
Microsoft Office CVE-2018-0802 Memory Corruption Vulnerability	BID	<a href="#">ww</a>
GitHub - rxwx/CVE-2018-0802: PoC Exploit for CVE-2018-0802 (and optionally CVE-2017-11882)	MISC	<a href="#">gith</a>
Many Formulas, One Calc - Exploiting a New Office Equation Vulnerability - Check Point Research	MISC	<a href="#">rese</a>
Microsoft Office Multiple Flaws Let Remote Users Spoof Email Addresses and Execute Arbitrary Code - SecurityTracker	SECTRACK	<a href="#">ww</a>
0patch Blog: The Bug That Killed Equation Editor - How We Found, Exploited And Micropatched It (CVE-2018-0802)	MISC	<a href="#">Opa</a>
CVE Program record	CVE.ORG	<a href="#">ww</a>
NVD vulnerability detail	NVD	<a href="#">nvd</a>
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="#">ww</a>

No vendor comments have been submitted for this CVE.

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

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