

# This is the operating system containing the most holes in a decade

Many of us think that maybe Windows 10 is the operating system with the most holes in the software world, but is that true?

Quantrimang readers are probably no stranger to news stories about newly discovered vulnerabilities or security issues that have not been patched in Windows 10 updates. Such posts appear at regular intervals. Many of us think that maybe Windows 10 is the most vulnerable operating system in the software world, but is that true?

We actually 'wrongly thought' Windows 10, according to research conducted by the Security Database Management Center of the US National Institute of Standards and Technology, considering the number of vulnerabilities to be weak. To evaluate the security quality of an operating system, Windows 10 seems to be much safer than Android, Mac OS or Linux, as follows:

## Top 20 Products With the Most Technical Vulnerabilities Over Time

1999-2019		2019	
Debian Linux	3,067	Android	414
Android	2,563	Debian Linux	360
Linux kernel	2,357	Windows Server 2016	357
Mac OS X	2,212	Windows 10	357
Ubuntu	2,007	Windows Server 2019	351
Mozilla Firefox	1,873	Adobe Acrobat Reader DC	342
Google Chrome	1,858	Adobe Acrobat DC	342
iPhone iOS	1,655	cPanel	321
Windows Server 2008	1,421	Windows 7	250
Windows 7	1,283	Windows Server 2008	248
Adobe Acrobat Reader DC	1,182	Windows Server 2012	246
Adobe Acrobat DC	1,182	Windows 8.1	242
Windows 10	1,111	Windows RT 8.1	235
Adobe Flash Player	1,078	Ubuntu	190
Windows Server 2012	1,050	Fedora	184

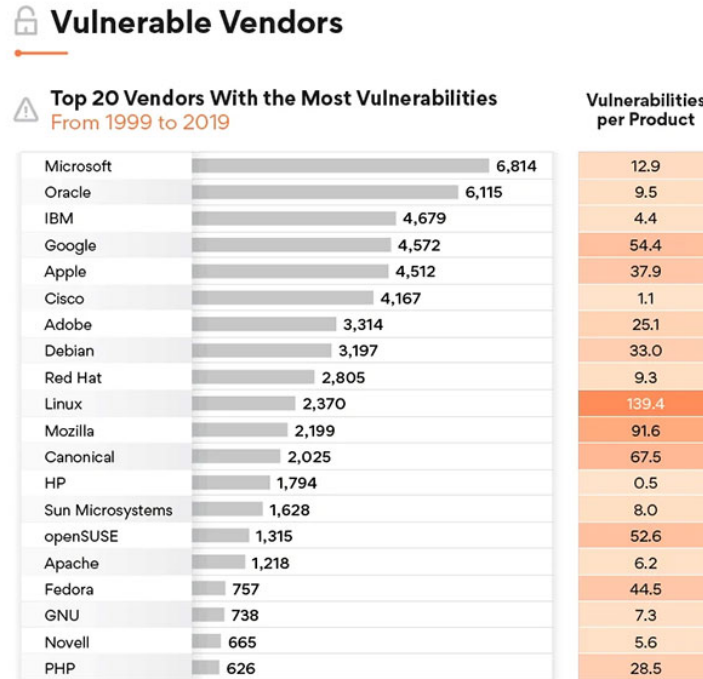
SOURCE: NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY'S NATIONAL VULNERABILITY DATABASE

20 products contain the most technical errors

Over the past decade, Debian Linux has been the most error-prone operating system with 3067 identified vulnerabilities related to a specification or configuration that could be exploited by an attacker to gain unauthorized access or Network and network resources abuse on the system. Next is Android with 2563, Linux kernel with 2357 and Mac OSX with 2212 vulnerabilities.

Windows 10 (released in 2015) only recorded 1111 technical vulnerabilities so far, and even when accumulated with Windows 7 (released in 2009), the total is still much smaller than Android and Debian Linux.

Of course, Microsoft owns many other operating systems, not just Windows, which means that the total number of general security vulnerabilities in Microsoft products is still quite large, ranking first in the Institute of Statistics statistics. National Standards and Technology:



#### Software vendors contain the most vulnerabilities

Microsoft topped the list of software vendors with the most security vulnerabilities, with 6814 cases reported in the last decade, but the rate was only 12.9 per product, less than that. compared to Google's 54.4 and Apple's 37.9.

However, the 'raw' data mentioned above cannot tell the whole story, since some gaps are far more serious than in other cases.

## Assessing the Risks of Product Vulnerabilities

Products With the Highest Weighted Average of Common Vulnerability Scoring System (CVSS) Scores From 1999 to 2019

Adobe Flash Player	9.4
Adobe Acrobat	9.2
Microsoft Office	9.1
Adobe Acrobat Reader	8.9
Internet Explorer	8.6
Adobe Acrobat Reader DC	8.2
Adobe Acrobat DC	8.2
Windows XP	7.9
Windows Vista	7.9
SeaMonkey	7.9
Mozilla Thunderbird	7.8
Firefox ESR	7.7
Windows 2000	7.6
iTunes	7.5
watchOS	7.4

Note: Using the CVSS scoring system on base, temporal, and environmental metrics, each vulnerability is assigned a score from 0 to 10. The scores are used to assess the risks that vulnerabilities present to a system on a consistent basis and to help coordinate responses to mitigate risks.

SOURCE: NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY'S NATIONAL VULNERABILITY DATABASE

### Software contains dangerous vulnerabilities

Adobe Acrobat and Flashplayer are software that owns the most dangerous vulnerabilities. Next is Microsoft Office, Adobe Acrobat Reader DC and Internet Explorer. The absence of newer platforms such as Chrome or Windows 10 shows that companies have increasingly focused on minimizing vulnerabilities and building in-depth defenses on their products.

You can refer to the full and more detailed report here: [thebestvpn.com/vulnerability-alerts/](http://thebestvpn.com/vulnerability-alerts/)

You finished reading the article "**This is the operating system containing the most holes in a decade**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.