



Ministry of Meteorology Energy Information
Disaster Management Environment
Climate Change and Communications

TLP- White¹

Microsoft Patch Tuesday September 2019

Dear Constituents,

Microsoft today released its monthly Patch Tuesday update for September 2019, patching a total of 79 security vulnerabilities in its software, of which 17 are rated critical, 61 as important, and one moderate in severity.

Besides these, Microsoft has released patches for critical:

- Remote Code Execution (RCE) vulnerabilities in Windows built-in Remote Desktop Client application that could enable a malicious RDP server to compromise the client's computer.
- Microsoft Windows update also addresses a remote code execution vulnerability (CVE-2019-1280) in the way Windows operating system processes .LNK shortcut files, allowing attackers to compromise targeted systems.
- Microsoft also released updates to patch 12 more critical vulnerabilities, and as expected, all of them lead to remote code execution attacks and reside in various Microsoft products including Chakra Scripting Engine, VBScript, SharePoint server, Scripting Engine, and Azure DevOps and Team Foundation Server.

Microsoft include Two critical vulnerabilities exploited in the wild:

Two critical vulnerabilities are exploited by malware to gain the ability to run malicious code with administrator privileges on infected hosts.

- The first vulnerability, CVE-2019-1214, is an Elevation of Privilege (EoP) in the **Windows Common Log File System (CLFS)** driver.
- The second vulnerability, CVE-2019-1215, impacts the **ws2ifsl.sys (Winsock)** service.

¹ CERT Tonga adopts the [Traffic Light Protocol](#)

What to do

Users and system administrators are highly recommended to apply the latest Windows security patches from Microsoft as soon as possible to keep cybercriminals and hackers away from taking control of their computers.

For installing the latest security updates, you can head on to Settings → Update & Security → Windows Update → Check for updates on your computer, or you can install the updates manually.

Reference

Microsoft Security Update- <https://portal.msrc.microsoft.com/en-us/security-guidance/releasenotedetail/24f46f0a-489c-e911-a994-000d3a33c573>

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