



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

TLP: White<sup>1</sup>

## **Updates Available to Fix Vulnerabilities including a Critical Vulnerability with Microsoft DNS**

Dear Constituents,

Microsoft's has released their July 2020 Patch Tuesday security updates. These include fixes for 123 vulnerabilities. Of these vulnerabilities, 18 are classified as Critical, and 105 as Important.

### **Patches from other vendors are also available as follows:**

- Adobe's monthly security update: <https://helpx.adobe.com/security.html>
- Android's Security Bulletin for July's 2020 is detailed here: <https://source.android.com/security/bulletin/2020-07-01>
- Apple's Security updates: <https://support.apple.com/en-us/HT201222>

### **Critical Microsoft DNS Vulnerability**

For System Administrators, please be aware there is a critical vulnerability in Microsoft DNS Server named SIGRed (CVE-2020-1350). It is a remote code execution (RCE) that affects Windows server version 2003 through to 2019.

However, this is wormable which means that an exploit can propagate automatically to vulnerable machines on the network without user interaction.

You can find the technical Analysis of this vulnerability on this link

<https://research.checkpoint.com/2020/resolving-your-way-into-domain-admin-exploiting-a-17-year-old-bug-in-windows-dns-servers/>

### **What to do**

Users and administrators are strongly recommended to install these security updates as soon as possible to protect Windows and the relevant products from security risks.

### **Reference**

#### **Microsoft Security Update-**

<https://portal.msrc.microsoft.com/en-us/security-guidance/releasenotedetail/2020-Jul>

<https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1350>

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

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