

A part of **Department of Communications, Climate Action & Environment**



NCSC Flash Advisory

Microsoft Windows Codecs Library Vulnerabilities CVE-2020-1425 &
CVE-2020-1457
2020-07-02

Status: **TLP-WHITE**

<p>Threat Type</p>	<p>Microsoft has released two security updates to address vulnerabilities that exist in the way that Microsoft Windows Codecs Library handles objects in memory. An attacker who successfully exploited this vulnerability could obtain information to further compromise the user's system.</p> <p>These updates are not included in Microsofts usual monthly update schedule as they are optional store apps/components which do not follow the monthly "Update Tuesday" cadence, but are offered whenever necessary.</p> <p>These vulnerabilities are being tracked with the following CVE ID numbers:</p> <p>CVE-2020-1425 - If an attacker exploited this vulnerability it would allow them to gather information from victims to further compromise their targets.</p> <p>CVE-2020-1457 - If an attacker exploited this vulnerability they would be capable of executing arbitrary code on a victims machine.</p> <p>These vulnerabilities have been rated as "critical" and "important," respectively.</p> <p>The NCSC is issuing this Flash Advisory to provide notice of these vulnerabilities and recommend that updates are applied through the Microsoft Store to affected systems in order to remediate.</p> <p>Further details can be found here:</p> <ul style="list-style-type: none"> • https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1425 • https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1457 <p>The NCSC advises all constituents to apply the updates through the Microsoft store as directed by Microsoft</p>
<p>Products Affected</p>	<p>Users who have installed the optional HEVC or "HEVC from Device Manufacturer" media codecs from Microsoft Store on Windows 10 and Windows Server systems may be vulnerable.</p>
<p>Impact</p>	<p>Remote Code Execution</p>
<p>Recommendations</p>	<p>The NCSC advises affected users to ensure that the updates from the Microsoft Store have been applied as soon as possible.</p> <p>You can check the version of the installed package. For example, click on Settings, Apps & Features and select HEVC, Advanced Options. You will see the version there. The secure versions are 1.0.31822.0, 1.0.31823.0 and later.</p> <p>From Powershell, the following command will display the version of the installed package:</p> <p>> Get-AppxPackage -Name Microsoft.HEVCVideoExtension</p>