



January 20, 2020

Re: Critical Cryptographic Vulnerability in Windows 10

To all of our customers and partners;

From [NSA bulletin](#) published on January 14, 2020:

“NSA has discovered a critical vulnerability (CVE-2020-0601) affecting Microsoft Windows® cryptographic functionality. The certificate validation vulnerability allows an attacker to undermine how Windows verifies cryptographic trust and can enable remote code execution. The vulnerability affects Windows 10 and Windows Server 2016/2019 as well as applications that rely on Windows for trust functionality. Exploitation of the vulnerability allows attackers to defeat trusted network connections and deliver executable code while appearing as legitimately trusted entities.”

Microsoft has since released critical security patches to resolve this vulnerability. All owners of the affected i3 NVR products are strongly encouraged to download and install the relevant Microsoft security update.

Affected i3 Products:

- All U2/U3/U3i NVRs purchased after March 2018. (SN 182103 and up)
- All U1 NVRs purchased after March 2019. (SN 1903001 and up)
- All UR NVRs

While i3 NVR systems are shipped with Windows Updates enabled, the updates will not be automatically installed unless prompted by the user.

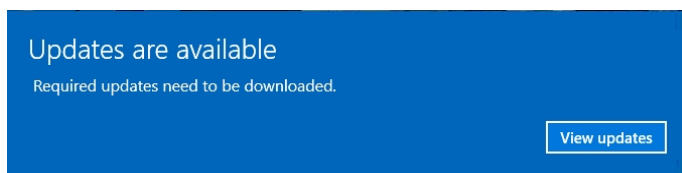
Please note that regular Windows updates are critical part of your system maintenance and are the responsibility of the unit owner or maintenance service provider.

i3 International strongly recommends that you check all connected Windows devices on the network and make sure all security updates have been installed. All i3 Dealers are strongly encouraged to educate their customers on the importance of regular Windows Updates. The dealers are encouraged to train End Users to perform the updates themselves, add this service to all maintenance contracts or suggest a service maintenance call with explicit purpose of protecting i3 Servers from Critical Cryptographic Vulnerability and all other Windows vulnerabilities.

Installing Windows Security Update:

All i3 NVRs running Windows 10 IoT operating systems will show the following notification message on the screen whenever new Windows updates are available for installation.

- Click “**View updates**” to proceed to the Windows Update screen. If no “Updates are available” message is shown on your screen, you can access Windows Update screen as follows:
Press the Windows Key > Type **Settings** > Click on **Update & security**



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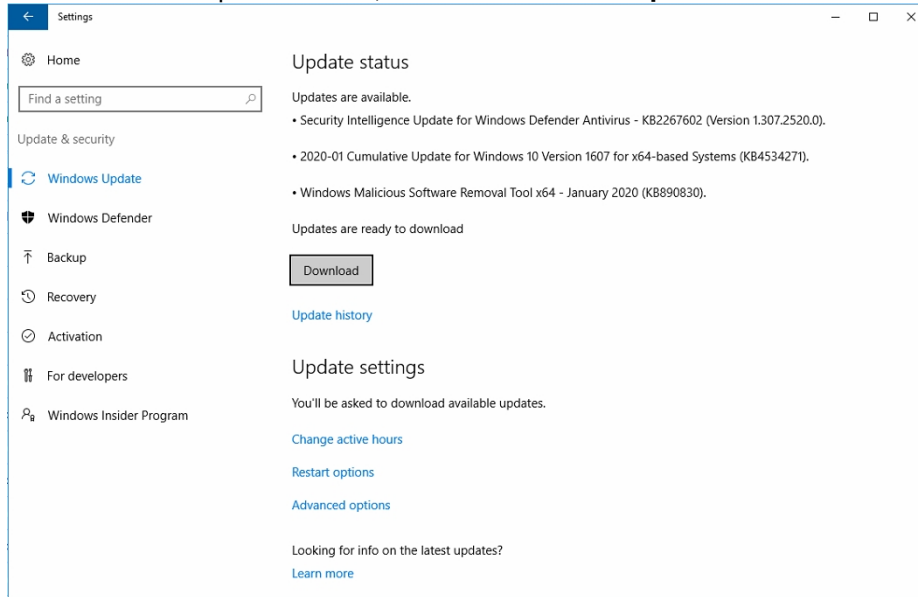
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- In the Windows Update screen, review the available **Updates** and click **Download**.



- Allow the updates to download and install. Reboot your i3 NVR as required.

Which Microsoft Security Update is right for you?

- If your NVR is not connected to the Internet, you'll need to determine what Windows security patch is right for your system, then download and install the patch manually.

i3 NVR Model	Windows 10 IoT version	Microsoft Cryptography Vulnerability Patch
U1, U2, U3, UR3, UR3-Ai, URX	Windows 10 2016 (Build 1607)	Microsoft Patch: KB4534271 Direct Microsoft Download Link (1.4GB) Microsoft Article
U3i, URX-Ai	Windows 10 2019 (Build 1809)	Microsoft Patch: KB4534273 Direct Microsoft Download Link (281MB) Microsoft Article

Review i3's [NVR Installation Environment and Maintenance Requirements](#) bulletin for more information on how to keep your i3 NVR safe from Internet viruses, attacks and social engineering.

Consult with your Regional Sale Manager for more information.
 Contact technical support if you have any questions or issues*.
 Email: support@i3international.com
 Tel.: 1.877.877.7241
 Live Chat: <http://i3chat.i3international.com/chat>

i3 International Inc.
 Technical Support and Services
 *Service charge will be waived for i3 International registered dealers.

i3 INTERNATIONAL TECHNICAL BULLETIN **200120-SW-01**

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