



Security Advisory

Revised Release Date: August 24th, 2021

CVE-2021-34527| Windows Print Spooler Vulnerability

It was announced that there is security vulnerability that affects Windows Print Spooler. A remote code execution vulnerability exists when the Windows Print Spooler service improperly performs privileged file operations. An attacker who successfully exploited this vulnerability could run arbitrary code with SYSTEM privileges.

REF:

<https://msrc.microsoft.com/update-guide/vulnerability/CVE-2021-34527>

REF:

<https://us-cert.cisa.gov/ncas/current-activity/2021/07/13/cisa-issues-emergency-directive-microsoft-windows-print-spooler>

Overview:

Microsoft Windows systems are affected if the print spooler service is enabled and inbound remote printing is enabled. And an attack must involve an authenticated user calling RpcAddPrinterDriverEx(). Microsoft shows the Workarounds which is described in Workarounds section.

These Vulnerabilities are currently awaiting updated analysis and represents our best knowledge as of the most recent revision. As a result, the content is subject to change as further analysis is performed and the results are updated.

Canon Medical Systems Corporation continues to investigate the applicability of this vulnerability to Medical Imaging Devices manufactured by Canon Medical Systems Corporation.

REFERENCE:

[MITRE CVE-2021-34527](#)

This vulnerability is applicable to Microsoft Windows systems.

CANON MEDICAL SYSTEMS USA, INC.

2441 Michelle Drive, Tustin CA 92780 | 800.421.1968

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Possible Affected Canon Medical Systems Imaging Devices:

Windows 10 and Windows 7 Operating Systems

- Computed Tomography (CT)
- Magentic Resonance Imaging (MRI)
- Angiography / Cardiology Imaging (Vascular)
- Ultrasound (UL)
- X-Ray Ultimix / Kalare systems
- X-Ray Soltus, Flex-Pro, Omnera, RadPro
- Eye-Care CX-1, CR, TX, and Xephillo

Possible Affected Canon Medical Systems USA non-imaging devices

InnerVision service processors

- Windows XP 32bit
NOTE: Windows XP is not in the affected product list by Microsoft, however Canon Medical Systems will disable the print spooler
- Windows 7 32bit
- Windows 10 64bit

Resolution

Medical Imaging Devices:

Computed Tomography (CT), Magentic Resonance Imaging (MRI), Angiography / Cardiology Imaging (Vascular), Ultrasound (UL), X-Ray Ultimix / Kalare systems only

https://global.medical.canon/service-support/securityinformation/windows_print_spooler_vulnerability

X-Ray Soltus, Flex-Pro, Omnera, RadPro

All CXDI versions 2.x for Windows 7 and Windows 10

- Facility can disable the Print Spooler service as outlined on the Microsoft URL
<https://msrc.microsoft.com/update-guide/vulnerability/CVE-2021-34527>

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Option 1 - Disable the Print Spooler service

If disabling the Print Spooler service is appropriate for your enterprise, use the following PowerShell commands:

```
Stop-Service -Name Spooler -Force
```

```
Set-Service -Name Spooler -StartupType Disabled
```

- [KB5004238](#) has been approved and installed. NOTE: This KB supersedes and replaces KB5003628 as outlined in the Microsoft Advisory

Eye-Care CX-1, CR, TX, and Xephillo

Investigation is continuing and will be posted here once completed

InnerVision Service Processor / InnerVision Service Processor Firewall:

- Windows 7 32bit systems: Canon Medical has remotely disabled the print spooler service in Windows
- Windows 10 64 bit systems: Canon Medical already has the print spooler service disabled, however Canon Medical Systems USA has remotely applied the patch provided by Microsoft

Notes:

Continue to check this advisory for updated information.

Please email CybersecurityRiskManagement@us.medical.canon with any specific questions or issues.

Vulnerability Information: CVE-2021-34527

Additional Notes: None

Advisory Change Log

This is the first release of this Advisory

Initial Release Date: July 8th , 2021

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