

Difficulty

All Difficulties

Easy

Medium

Hard

Category

All Categories

Web Exploitation

Cryptography

Reverse Engineering

Forensics

General Skills

Binary Exploitation

Original Event

All Events

CVE-XXXX-XXXX

Medium Binary Exploitation picoCTF 2022

AUTHOR: MUBARAK MIKAIL

Description

Enter the CVE of the vulnerability as the flag with the correct flag format:

picoCTF{CVE-XXXX-XXXX} replacing XXXX-XXXX with the numbers for the matching vulnerability.

The CVE we're looking for is the first recorded remote code execution (RCE) vulnerability in 2021 in the Windows Print Spooler Service, which is available across desktop and server versions of Windows operating systems. The service is used to manage printers and print servers.

Hints

1

We're not looking for the Local Spooler vulnerability in 2021...

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picoCTF{CVE-2021-34527}

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first recorded remote code execution (RCE) vulnerability in 2021 in the Windows Print Spooler Remote Code Execution ...

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Tools

On July 1, 2021, Microsoft released a security advisory for a new remote code execution (RCE) vulnerability in Windows, CVE-2021-34527, referred to publicly as "PrintNightmare." Security researchers initially believed this vulnerability to be tied to CVE-2021-1675 (Windows Print Spooler Remote Code Execution ... 14 Jul 2021

Unit 42

<https://unit42.paloaltonetworks.com/cve-2021-34527-...>

Threat Brief: Windows Print Spooler RCE Vulnerability (CVE ...

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Veritas Technologies

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Windows Print Spooler Remote Code Execution ...

3 Aug 2021 — A remote code execution vulnerability exists when the Windows Print Spooler service improperly performs privileged file operations.

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Windows Print Spooler Ri

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Severity

Security Vulnerability

Description

On July 1, 2021 Microsoft announced a vulnerability exists in the Windows Print Spooler service.  
[CVE-2021-34527](#): 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. An attacker could then install programs; view, change, or delete data; or create new accounts with full user rights.

Impact on the Veritas eDiscovery Platform

Disabling the Windows Print Spooler service on Veritas eDiscovery servers negatively impacts the Native Rendering engines on all current versions of the product.  
Only if Review, Redaction and Production is not licensed or is not used should the Windows Print Spooler service be disabled.

Action Required

Apply all latest Microsoft patches (including the ones mentioned in [CFT-2021-34527](#)) on all appliances where either the IGC or PrizmDoc native rendering engines are running.  
Confirm the following:

- Ensure that the following registry entries are either not set or set to 0.
  - HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Microsoft\Windows NT\Printers\PointAndPrint
    - NoWarningNoElevationOnInstall = 0 (DWORD) or not defined (Default setting)
    - UpdatePromptSettings = 0 (DWORD) or not define (Default setting)
- Print Spooler is enabled.