F#RTINET.

OUTBREAK ALERTS





Microsoft PrintNightmare Vulnerability

Public 0-day exploit allows domain takeover https://msrc.microsoft.com/update-guide/vulnerability/CVE-2021-34527

CVEs: CVE-2021-34527

service" or "Disable inbound remote printing through Group Policy".

A remote code execution vulnerability exists in Windows OS 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. Microsoft is encouraging customers to either "Disable the Print Spooler

Background

On June 30, it was disclosed that the technical details and a proof-of-concept (PoC) exploit have been accidentally leaked for a currently unpatched vulnerability in Windows that allows remote code execution. Despite the need for authentication, the severity of the issue is critical as threat actors can use it to take over a Windows domain server to easily deploy malware across a company's network. The issue affects Windows Print Spooler and the researchers named it PrintNightmare.

Announced June 30: Initial details emerge

https://www.bleepingcomputer.com/news/security/public-windows-printnightmare-0-day-exploit-allows-domain-takeover/

Latest Developments

March 15, 2022 - CISA reported that Russian state sponsored hackers have exploited this vulnerability in combination with default Mutli-Factor Authentication protocols to gain access to cloud and email accounts for document exfiltration. https://www.cisa.gov/uscert/ncas/alerts/aa22-074a

July 7, 2021- Full patch / fix released https://www.bleepingcomputer.com/news/security/microsoft-printnightmare-now-patched-on-all-windows-versions/

July 6, 2021 - Microsoft released a security patch (found later to be a partial fix) https://us-cert.cisa.gov/ncas/current-activity/2021/07/06/microsoft-releases-out-band-security-updates-printnightmare July 2, 2021 - Microsoft is investigating the vulnerability and assigned a CVE to the vulnerability -

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

Countermeasures across the security fabric for protecting assets, data and network from cybersecurity

PROTECT

Reconnaissance

Decoy VM Detect activities on exploitation of PrintSpooler vulnerability.

FortiDeceptor

Weaponization

v3.0+

Delivery

Vulnerability

Detects Vulnerable Endpoints and triggers Auto-Patching



Exploitation

Detect activities on exploitation of PrintSpooler vulnerability

IPS



Action

C2



alert and generate reports:

DETECT

Outbreak Detection

Find and correlate important information to identify an outbreak, the following updates are available to raise

FortiAnalyzer







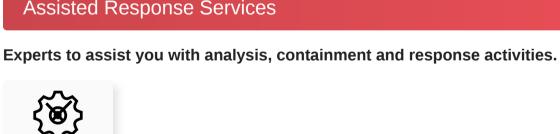
Services that can automatically respond to this outbreak.

Automated Response

RESPOND

FortiXDR

Develop containment techniques to mitigate impacts of security events:



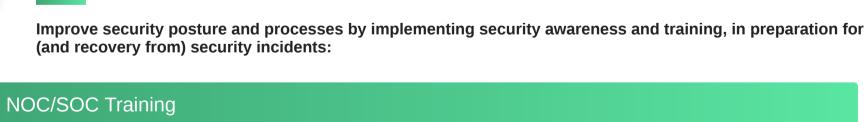
Incident

Response

RECOVER

Train your network and security professionals and optimize your incident response to stay on top of the

Raise security awareness to your employees that are continuously being targetted by phishing, drive-by download





NSE Training

cyberattacks.

End-User Training

and other forms of cyberattacks.

Readiness

Security Awareness & Training



Check Security Fabric devices to build actionable configuration recommendations and key indicators.

Security

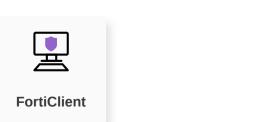
Rating

Attack Surface Hardening

CNP

Vulnerability Management

Reduce the attack surface on software vulnerabilities via systematic and automated patching.



Additional Resources

Bleeping Computer https://www.bleepingcomputer.com/news/security/microsoft-printnightmare-now-patched-on-all-windows-versions/ https://threatpost.com/microsoft-unpatched-printnightmare-zero-day/168613/

CISA Alert https://www.cisa.gov/uscert/ncas/alerts/aa22-074a

Learn more about FortiGuard Outbreak Alerts

Threat Post

