

Microsoft PrintNightmare

Public 0-day exploit allows domain takeover

<https://msrc.microsoft.com/update-guide/vulnerability/CVE-2021-34527>
CVEs: [CVE-2021-34527](#)

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

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 Multi-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>

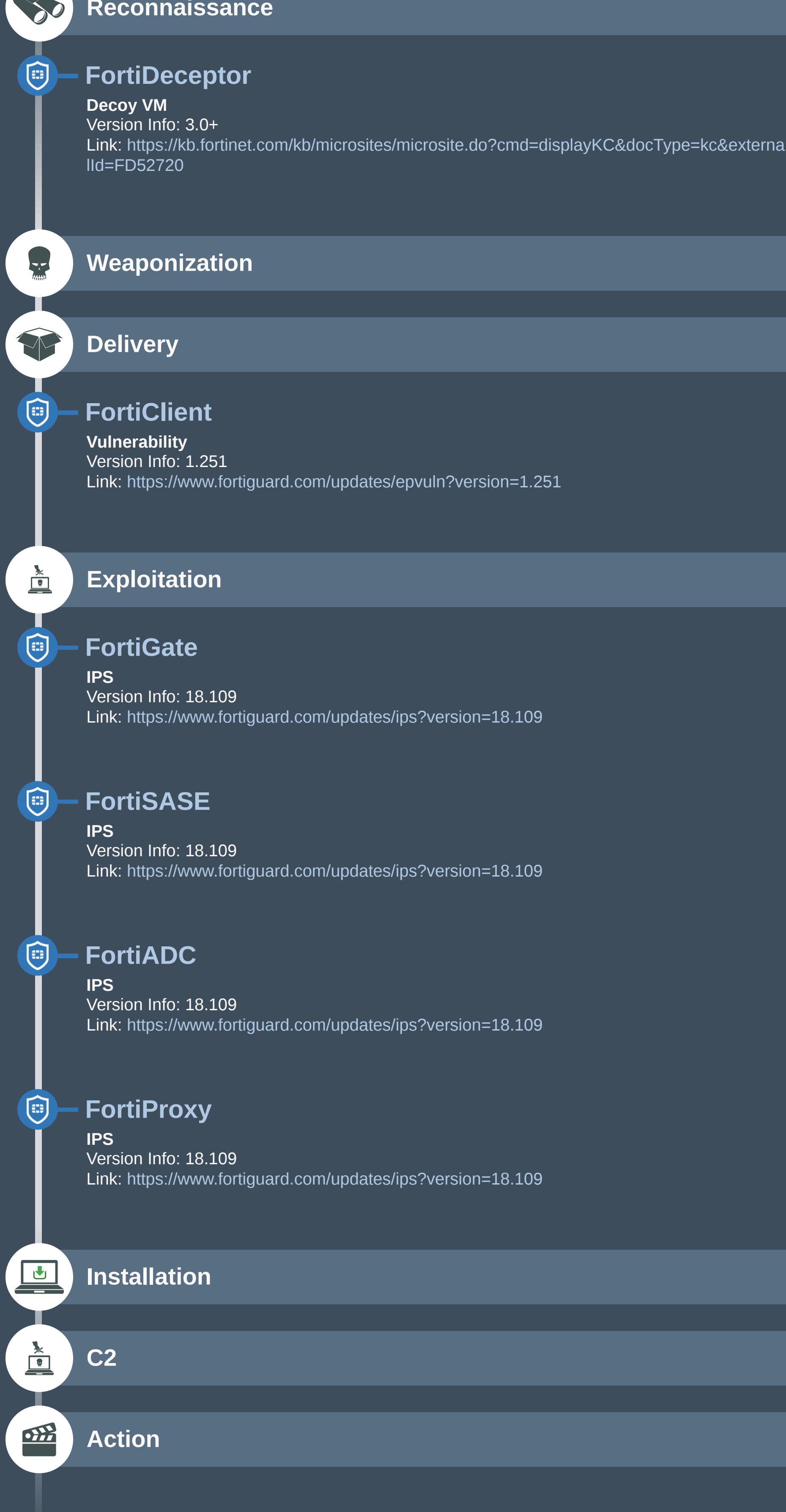
July 2, 2021 - Microsoft is investigating the vulnerability and assigned a CVE to the vulnerability -

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Fortinet Products Summary

	Services	Version	Other Info
FortiGate	IPS	6.0+	Detect activities on exploitation of PrintSpooler vulnerability.
FortiClient	Vulnerability	6.2+	Detects Vulnerable Endpoints and triggers Auto-Patching
FortiSASE	IPS	18.109	Detect activities on exploitation of PrintSpooler vulnerability.
FortiDeceptor	Decoy VM	3.0+	Detect activities on exploitation of PrintSpooler vulnerability.
FortiADC	IPS	18.109	Detect activities on exploitation of PrintSpooler vulnerability.
FortiProxy	IPS	18.109	Detect activities on exploitation of PrintSpooler vulnerability.
FortiAnalyzer	Outbreak Detection	1.027	Detects indicators for the CVE-2021-34527 vulnerability across the Security Fabric
	Threat Hunting	6.2+	Detects vulnerable endpoints and intrusion attempts against the network.
FortiSIEM	Threat Hunting	6.2+	Detects vulnerable endpoints and intrusion attempts against the network.

Cyber Kill Chain



Incident Response (Security Operations)

To help customers identify and protect vulnerable, FortiAnalyzer, FortiSIEM and FortiSOAR updates are available to raise alerts and escalate to incident response:

Analyzer / SIEM / SOAR Threat Hunting & Playbooks

