



**CYBERSECURITY  
& INFRASTRUCTURE  
SECURITY AGENCY**



# **Urgent: Protect Against Active Exploitation of ProxyShell Vulnerabilities**

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Malicious cyber actors are actively exploiting the following ProxyShell vulnerabilities: [CVE-2021-34473](#), [CVE-2021-34523](#), and [CVE-2021-31207](#). An attacker exploiting these vulnerabilities could execute arbitrary code on a vulnerable machine. CISA strongly urges organizations to identify vulnerable systems on their networks and immediately apply [Microsoft's Security Update from May 2021](#)—which remediates all three ProxyShell vulnerabilities—to protect against these attacks.