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Nagios Core 4.4.5 — URL Injection (CVE-2020-13977)

In Security Tags CVE-2020-13977, nagios, nagios core, nagios cve, nagios vulnerability June 3, 2020 1266 Views Aishee

I. OVERVIEW

- **Discoverer: Aishee – UraSec Team**
- **Vendor & Product: Nagios Core**
- **Version: Nagios Core 4.4.5**
- **CVE Reference: CVE-2020-13977**

II. ABOUT NAGIOS CORE

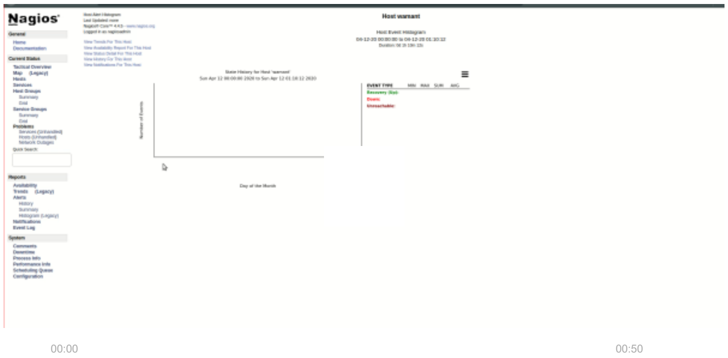
Nagios is a free and open-source computer-software application that monitors systems, networks and infrastructure. Nagios offers monitoring and alerting services for servers, switches, applications and services. It alerts users when things go wrong and alerts them a second time when the problem has been resolved.

III. VULNERABILITY DETAILS

Location: Alert Histogram and Trends function.

I could insert malicious files in Alert Histogram and Trends function, only need setup other server and compile nagios file objectjson.cgi, archivejson.cgi, statusjson.cgi and copy to server.

Video POC



IV. IMPACT

– Insert content that is harmful to users
– Ability to escalate exploits creating backdoors for applications
– ..etc

V. REMEDIATION

https://www.nagios.org/projects/nagios-core/history/4x/

https://github.com/sawolf/nagioscore/tree/url-injection-fix

VI. REPORT TIMELINE

- 04/12/2020: Discovered the vulnerability
- 04/12/2020: Responsible disclosure to Nagios Enterprise security@nagios.com
- 04/18/2020: Nagios Enterprise confirmed the issue and released a branch fix

VII. THANKS TO

- swolf@nagios.com confirm issue and fix.

Aishee

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About Me

My name is Nguyen Anh Tai. I am an independent security researcher, bug hunter and leader a security team. Security Researcher at CMC INFOSEC. I developed the every system for fun :D. My aim is to become an expert in security and xxx!

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