

## ThinkPHP Remote Code Execution Vulnerability

Open source PHP framework vulnerabilities still being exploited in the wild https://blog.thinkphp.cn/869075

CVEs: CVE-2019-9082, CVE-2018-20062

A remote code execution vulnerability exists within multiple subsystems of ThinkPHP 5.0.x and 5.1.x. The FortiGuard Labs continue seeing high exploitation attempts of these old vulnerabilities of more than 50,000 IPS device detections per day. There are multiple actors abusing this flaw to install malware such as Mirai like botnet, Lucifer, Cryptocurrency miners.

Background

CVE-2018-20062 are on CISA's list of known exploited vulnerabilities (KEV) added in the year 2021 and successful exploitation of the flaws could allow a remote attacker to execute arbitrary code on the affected system. Dec 10, 2018: CVE-2018-20062, flaw discovered in noneCMS ThinkPHP.

application development and simplifying enterprise application development. Both of the CVE-2019-9082 and

ThinkPHP is a free framework distributed under the Apache2 open-source license primarily used for Web

https://github.com/nangge/noneCms/issues/21

Jan 11, 2019: CVE-2019-9082, flaw discovered in ThinkPHP package. https://github.com/suitablecodes/open\_source\_bms/issues/33

Nov 03, 2021: CVE-2019-9082 and CVE-2018-20062, added to CISA's known exploited list.

recommends users to immediately review and upgrade the vulnerable version of ThinkPHP to 5.0.23 / 5.1.31 and above. **PROTECT** 

FortiGuard customers remain protected by the IPS signature which was first released in 2018 and last updated in

2021. With IPS detections still at large in 2023 and online exploit availability for the CVEs, FortiGuard labs

### events:

Reconnaissance Decoy VM

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

**FortiDeceptor** 

v3.3+

Weaponization

**Delivery** AV

Detects and blocks malware related to vulnerability (CVE-2019-9082, CVE-2018-20062)

**FortiWeb FortiClient FortiSASE FortiMail FortiCASB** 

DB 91.02485

DB 91.02485 **FortiProxy** 

DB 91.02485

DB 91.02485

DB 91.02485

**FortiCWP** 

DB 91.02485

**FortiADC** 

DB 91.02485

Al detection engine detects and blocks other 0day malware, unknown threats, and rates known malware related to ThinkPHP RCE as "High risk".



**FortiGate** 

**FortiNDR** 

DB 18.141

Detects and blocks attempts to exploit the vulnerability (CVE-2019-9082, CVE-2018-20062)

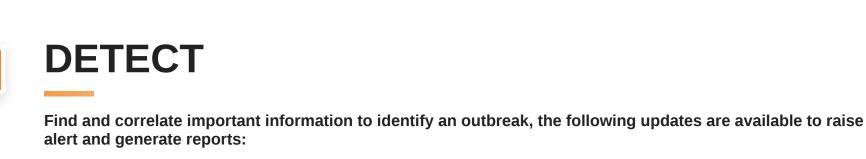
**FortiADC** 

DB 18.141

**FortiProxy** 

DB 18.141





**FortiEDR FortiAnalyzer** 

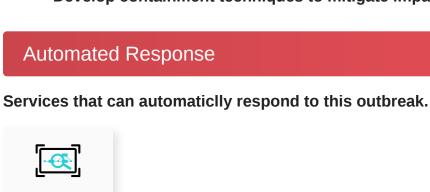
v6.4+

**FortiSIEM** 

v6.6+

**FortiAnalyzer** DB 1.00098

**DB 304** 



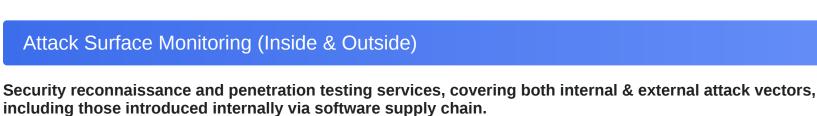
FortiRecon: Incident

**RECOVER** Improve security posture and processes by implementing security awareness and training, in preparation for

(and recovery from) security incidents:



InfoSec Services



FortiRecon: Security **FortiDAST** Rating **EASM** 

Identify processes and assets that need protection:





Learn more about FortiGuard Outbreak Alerts



https://github.com/top-think https://threatpost.com/self-propagating-lucifer-malware-targets-windows-systems/156883/

**Threatpost** 

**F** 

**ThinkPHP** 

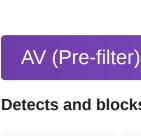
## **Announced**

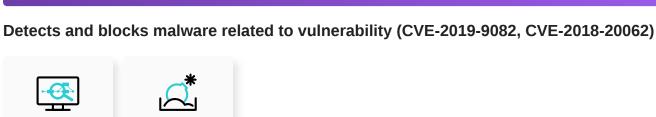
# **Latest Developments**

# Detetcs and blocks lateral movement on the network segment







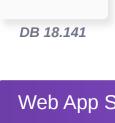


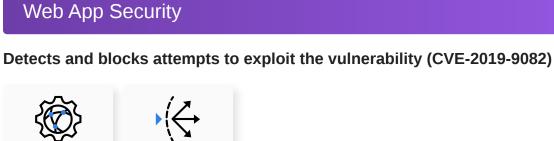
# DB 91.02485

### **FortiEDR FortiSandbox** DB 91.02485

**Behavior Detection** 

# **FortiSandbox** v4.0+





**FortiSASE** 

DB 18.141

**FortiADC** 

DB 1.00042

**FortiWeb** 

DB 0.00347

**FortiEDR** 

v5.0+

**Action** 

**Threat Hunting** 

# v5.0+ Outbreak Detection





**FortiSIEM** 

