



# CVE-2019-6693

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## CVE-2019-6693

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of **Fortios** from **Fortinet** contain the following vulnerability:

Use of a hard-coded cryptographic key to cipher sensitive data in FortiOS configuration backup file may allow an attacker with access to the backup file to decipher the sensitive data, via knowledge of the hard-coded key. The aforementioned sensitive data includes users' passwords (except the administrator's password), private keys' passphrases and High Availability password (when set).

CVE-2019-6693 has been assigned by psirt@fortinet.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **Fortinet** - **FortiGate** version **5.6.9 and below**

Affected Vendor/Software: **Fortinet** - **FortiGate** version **6.0.5 and below**

Affected Vendor/Software: **Fortinet** - **FortiGate** version **6.2.0**

CVSS3 Score: **6.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>NONE</b>         |

CVSS2 Score: **4 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>SINGLE</b>       |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>NONE</b>       | <b>NONE</b>         |

## CVE References

### Description

Use of a hard-coded cryptographic key to cipher sensitive data in CLI configuration | FortiGuard

### Tags

Mitigation  
Vendor Advisory  
fortiguard.com  
text/html

### Link

 CONFIRM  
[fortiguard.com/advisory/FG-IR-19-007](https://fortiguard.com/advisory/FG-IR-19-007)

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There are currently no QIDs associated with this CVE

## Exploit/POC from Github

## Decrypt FortiGate configuration secrets

## Known Affected Configurations (CPE V2.3)

| Type                                        | Vendor                   | Product                 | Version | Update | Edition | Language |
|---------------------------------------------|--------------------------|-------------------------|---------|--------|---------|----------|
| Operating System                            | <a href="#">Fortinet</a> | <a href="#">Fortios</a> | 6.2.0   | All    | All     | All      |
| Operating System                            | <a href="#">Fortinet</a> | <a href="#">Fortios</a> | 6.2.0   | All    | All     | All      |
| Operating System                            | <a href="#">Fortinet</a> | <a href="#">Fortios</a> | All     | All    | All     | All      |
| Operating System                            | <a href="#">Fortinet</a> | <a href="#">Fortios</a> | All     | All    | All     | All      |
| cpe:2.3:o:fortinet:fortios:6.2.0:*:*:*:*:*: |                          |                         |         |        |         |          |
| cpe:2.3:o:fortinet:fortios:6.2.0:*:*:*:*:*: |                          |                         |         |        |         |          |
| cpe:2.3:o:fortinet:fortios:*:*:*:*:*:       |                          |                         |         |        |         |          |
| cpe:2.3:o:fortinet:fortios:*:*:*:*:*:       |                          |                         |         |        |         |          |

No vendor comments have been submitted for this CVE

## Social Mentions

| Source                                                                                     | Title                                                                                                                                         | Posted (UTC)        |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
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