



# CVE-2016-7479

Published on: 01/11/2017 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:07 PM UTC

## CVE-2016-7479

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Php](#) from [Php](#) contain the following vulnerability:

In all versions of PHP 7, during the unserialization process, resizing the 'properties' hash table of a serialized object may lead to use-after-free. A remote attacker may exploit this bug to gain arbitrary code execution.

CVE-2016-7479 has been assigned by cve@checkpoint.com to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

## CVE References

| Description                                       | Tags                                                                                                                                   | Link                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| PHP CVE-2016-7479 Denial of Service Vulnerability | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="#">cve.report (archive)</a><br><a href="#">text/html</a> | <a href="#">BID 95151</a> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Check Point discovers three Zero-Day Vulnerabilities in web programming language PHP 7   Check Point Blog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Third Party Advisory</a><br><a href="#">blog.checkpoint.com</a><br><a href="#">text/html</a>                                                                           |  MISC <a href="https://blog.checkpoint.com/2016/12/27/checkpoint-discovers-three-zero-day-vulnerabilities-web-programming-language-php-7">blog.checkpoint.com/2016/12/27/checkpoint-discovers-three-zero-day-vulnerabilities-web-programming-language-php-7</a> |
| YouTube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Technical Description</a><br><a href="#">www.youtube.com</a><br><a href="#">text/html</a>                                                                              |  MISC <a href="https://www.youtube.com/watch?v=LDcaPstAuPk">www.youtube.com/watch?v=LDcaPstAuPk</a>                                                                                                                                                            |
| Red Hat Customer Portal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">access.redhat.com</a><br><a href="#">text/html</a>                                                                                                                     |  REDHAT <a href="#">RHSA-2018:1296</a>                                                                                                                                                                                                                         |
| PHP Multiple Flaws Let Remote and Local Users Obtain Potentially Sensitive Information, Deny Service, and Execute Arbitrary Code - SecurityTracker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">www.securitytracker.com</a><br><a href="#">text/html</a>                                                                                                               |  SECTRAK <a href="#">1037659</a>                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Exploit</a><br><a href="#">Technical Description</a><br><a href="#">Third Party Advisory</a><br><a href="#">blog.checkpoint.com</a><br><a href="#">application/pdf</a> |  MISC <a href="https://blog.checkpoint.com/wp-content/uploads/2016/12/PHP_Technical_Report.pdf">blog.checkpoint.com/wp-content/uploads/2016/12/PHP_Technical_Report.pdf</a>                                                                                    |
| PHP :: Sec Bug #73092 :: Unserialize use-after-free when resizing object's properties hash table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Issue Tracking</a><br><a href="#">Permissions Required</a><br><a href="#">bugs.php.net</a><br><a href="#">text/html</a>                                                |  MISC <a href="https://bugs.php.net/bug.php?id=73092">bugs.php.net/bug.php?id=73092</a>                                                                                                                                                                        |
| September 2017 PHP Vulnerabilities in NetApp Products   NetApp Product Security                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">security.netapp.com</a><br><a href="#">text/html</a>                                                                                                                   |  CONFIRM <a href="https://security.netapp.com/advisory/ntap-20180112-0001/">security.netapp.com/advisory/ntap-20180112-0001/</a>                                                                                                                               |
| <p>By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to <a href="mailto:comment@cve.report">comment@cve.report</a>.</p> |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |

There are currently no QIDs associated with this CVE

#### Known Affected Configurations (CPE V2.3)

| Type        | Vendor              | Product             | Version | Update | Edition | Language |
|-------------|---------------------|---------------------|---------|--------|---------|----------|
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.0   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.1   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.10  | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.11  | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.12  | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.14  | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.2   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.3   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.4   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.5   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.6   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.7   | All    | All     | All      |
| Application | <a href="#">Php</a> | <a href="#">Php</a> | 7.0.8   | All    | All     | All      |

|             |     |     |        |     |     |     |
|-------------|-----|-----|--------|-----|-----|-----|
| Application | Php | Php | 7.0.9  | All | All | All |
| Application | Php | Php | 7.1.0  | All | All | All |
| Application | Php | Php | 7.0.0  | All | All | All |
| Application | Php | Php | 7.0.1  | All | All | All |
| Application | Php | Php | 7.0.10 | All | All | All |
| Application | Php | Php | 7.0.11 | All | All | All |
| Application | Php | Php | 7.0.12 | All | All | All |
| Application | Php | Php | 7.0.14 | All | All | All |
| Application | Php | Php | 7.0.2  | All | All | All |
| Application | Php | Php | 7.0.3  | All | All | All |
| Application | Php | Php | 7.0.4  | All | All | All |
| Application | Php | Php | 7.0.5  | All | All | All |
| Application | Php | Php | 7.0.6  | All | All | All |
| Application | Php | Php | 7.0.7  | All | All | All |
| Application | Php | Php | 7.0.8  | All | All | All |
| Application | Php | Php | 7.0.9  | All | All | All |
| Application | Php | Php | 7.1.0  | All | All | All |

cpe:2.3:a:php:php:7.0.0:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.1:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.10:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.11:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.12:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.14:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.2:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.3:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.4:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.5:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.6:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.7:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.8:\*\*\*\*\*:

cpe:2.3:a:php:php:7.0.9:\*\*\*\*\*:

cpe:2.3:a:php:php:7.1.0:\*\*\*\*\*:

|                                   |
|-----------------------------------|
| cpe:2.3:a:php:php:7.1.0:~::~::~:  |
| cpe:2.3:a:php:php:7.0.0:~::~::~:  |
| cpe:2.3:a:php:php:7.0.1:~::~::~:  |
| cpe:2.3:a:php:php:7.0.10:~::~::~: |
| cpe:2.3:a:php:php:7.0.11:~::~::~: |
| cpe:2.3:a:php:php:7.0.12:~::~::~: |
| cpe:2.3:a:php:php:7.0.14:~::~::~: |
| cpe:2.3:a:php:php:7.0.2:~::~::~:  |
| cpe:2.3:a:php:php:7.0.3:~::~::~:  |
| cpe:2.3:a:php:php:7.0.4:~::~::~:  |
| cpe:2.3:a:php:php:7.0.5:~::~::~:  |
| cpe:2.3:a:php:php:7.0.6:~::~::~:  |
| cpe:2.3:a:php:php:7.0.7:~::~::~:  |
| cpe:2.3:a:php:php:7.0.8:~::~::~:  |
| cpe:2.3:a:php:php:7.0.9:~::~::~:  |
| cpe:2.3:a:php:php:7.1.0:~::~::~:  |

No vendor comments have been submitted for this CVE

[← Previous ID](#)

[Next ID →](#)

© CVE.report 2023   |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)