



# CVE-2014-3539

Published on: 04/06/2018 12:00:00 AM UTC

Last Modified on: 02/13/2023 12:08:09 AM UTC

## CVE-2014-3539

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

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

base/oi/doa.py in the Rope library in CPython (aka Python) allows remote attackers to execute arbitrary code by leveraging an unsafe call to pickle.load.

CVE-2014-3539 has been assigned by [secalert@redhat.com](mailto:secalert@redhat.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                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Bug 1116485 – CVE-2014-3539 python-rope: pickle.load of remotely supplied data with no authentication required | <a href="#">Issue Tracking</a><br><a href="#">Third Party Advisory</a><br><a href="#">bugzilla.redhat.com</a><br><a href="#">text/html</a> | <a href="https://bugzilla.redhat.com/show_bug.cgi?id=1116485">CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1116485</a> |

oss-security - python-rope: pickle.load of remotely supplied data with no authentication required

[Mailing List](#)

[Third Party Advisory](#)

[www.openwall.com](#)

[text/html](#)

 [MLIST \[oss-security\] 20150206 python-rope: pickle.load of remotely supplied data with no authentication required](#)

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## Related QID Numbers

[980896](#) Python (pip) Security Update for rope (GHSA-r38r-qp28-2m63)

## Known Affected Configurations (CPE V2.3)

| Type                                            | Vendor                       | Product              | Version | Update | Edition | Language |
|-------------------------------------------------|------------------------------|----------------------|---------|--------|---------|----------|
| Application                                     | <a href="#">Rope Project</a> | <a href="#">Rope</a> | All     | All    | All     | All      |
| Application                                     | <a href="#">Rope Project</a> | <a href="#">Rope</a> | All     | All    | All     | All      |
| cpe:2.3:a:rope_project:rope:*:*:*:*:python:*:*: |                              |                      |         |        |         |          |
| cpe:2.3:a:rope_project:rope:*:*:*:*:python:*:*: |                              |                      |         |        |         |          |

No vendor comments have been submitted for this CVE

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