



# CVE-2018-16364

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## CVE-2018-16364

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

CVSS:31/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Manageengine Applications Manager](#) from [Zohocorp](#) contain the following vulnerability:

A serialization vulnerability in Zoho ManageEngine Applications Manager before build 13740 allows for remote code execution on Windows via a payload on an SMB share.

CVE-2018-16364 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.1 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>HIGH</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: **9.3 - HIGH**

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

## CVE References

| Description                                                                                       | Tags                                                                                                                                                                  | Link                                                                                                                |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| ManageEngine Applications Manager Deserialization Unauthenticated RCE · Application Security Blog | <a href="#">Exploit</a><br><a href="#">Mitigation</a><br><a href="#">Third Party Advisory</a><br><a href="#">blog.jamesotten.com</a><br><a href="#">text/x-python</a> | <input type="checkbox"/> <a href="#">MISC</a><br><a href="#">blog.jamesotten.com/post/applications-manager-rce/</a> |

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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="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | -          | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13700 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13710 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13720 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13730 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13750 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13760 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13770 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13780 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13790 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | -          | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13700 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13710 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13720 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13730 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13750 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13760 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13770 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13780 | All     | All      |
| Application | <a href="#">Zohocorp</a> | <a href="#">Manageengine Applications Manager</a> | 13.7    | build13790 | All     | All      |

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:-:\*:\*:\*:\*:

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:build13700:\*:\*:\*:\*:

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:build13710:\*:\*:\*:\*:

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:build13720:\*:\*:\*:\*:

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:build13730:\*:\*:\*:\*:

cpe:2.3:a:zohocorp:manageengine\_applications\_manager:13.7:build13750:\*:\*:\*:\*:

|                                                                             |
|-----------------------------------------------------------------------------|
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13760:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13770:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13780:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13790:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:-:*****:          |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13700:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13710:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13720:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13730:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13750:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13760:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13770:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13780:*****: |
| cpe:2.3:a:zohocorp:manageengine_applications_manager:13.7:build13790:*****: |

No vendor comments have been submitted for this CVE

[← Previous ID](#)

[Next ID →](#)