



# CVE-2020-3960

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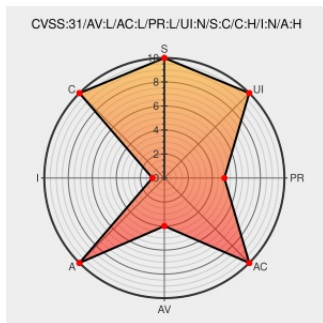
Last Modified on: 09/28/2021 01:20:00 AM UTC

## CVE-2020-3960

[Source: Mitre](#)

[Source: Nist](#)

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Certain versions of **Fusion** from **Vmware** contain the following vulnerability:

VMware ESXi (6.7 before ESXi670-202006401-SG and 6.5 before ESXi650-202005401-SG), Workstation (15.x before 15.5.5), and Fusion (11.x before 11.5.5) contain an out-of-bounds read vulnerability in NVMe functionality. A malicious actor with local non-administrative access to a virtual machine with a virtual NVMe controller present may be able to read privileged information contained in physical memory.

CVE-2020-3960 has been assigned by [vmware](#) security@vmware.com to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.4 - HIGH**

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

CVSS2 Score: **3.6 - LOW**

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

## CVE References

| Description    | Tags                                     | Link  |
|----------------|--|---|
| VMSA-2020-0012 | <a href="#">www.vmware.com/text/html</a> | <a href="#">MISC www.vmware.com/security/advisories/VMSA-2020-0012.html</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="#">Vmware</a> | <a href="#">Fusion</a>       | All     | All           | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | -             | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201701001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201703001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201703002 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201704001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201710001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201712001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201803001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201806001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201808001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201810001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201810002 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201811001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201901001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201903001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201905001 | All     | All      |
| Operating System | <a href="#">Vmware</a> | <a href="#">Vsphere Esxi</a> | 6.5     | 650-201908001 | All     | All      |

|  |        |              |     |               |     |     |
|--|--------|--------------|-----|---------------|-----|-----|
| Operating System   | Vmware | Vsphere Esxi | 6.5 | 650-201910001 | All | All |
| Operating System   | Vmware | Vsphere Esxi | 6.7 | -             | All | All |
| Operating System   | Vmware | Vsphere Esxi | 6.7 | 670-201911001 | All | All |
| Operating System   | Vmware | Vsphere Esxi | 6.7 | 670-202004001 | All | All |
| Application  | Vmware | Workstation  | All | All           | All | All |
| cpe:2.3:a:vmware:fusion:*:*:*:*:*:*:                       |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:-:*:*:*:*:*:             |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201701001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201703001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201703002:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201704001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201710001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201712001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201803001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201806001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201808001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201810001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201810002:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201811001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201901001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201903001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201905001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201908001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.5:650-201910001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.7:-:*:*:*:*:*:             |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.7:670-201911001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:o:vmware:vsphere_esxi:6.7:670-202004001:*:*:*:*:*: |        |              |     |               |     |     |
| cpe:2.3:a:vmware:workstation:*:*:*:*:*:*:                  |        |              |     |               |     |     |

No vendor comments have been submitted for this CVE

### Social Mentions

| Source  | Title  | Posted (UTC)           |
|---|--|------------------------|
|  @CVereport     | CVE-2020-3960 : VMware ESXi 6.7 before ESXi670-202006401-SG and 6.5 before ESXi650-202005401-SG , Workstation 15.... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2021-09-15<br>13:05:10 |
|  @WesUncensored | New vulnerability on the NVD: CVE-2020-3960 <a href="https://ift.tt/3EmK4QU">ift.tt/3EmK4QU</a>  | 2021-09-15<br>14:33:45 |
|  @workentin     | New vulnerability on the NVD: CVE-2020-3960 <a href="https://ift.tt/3EmK4QU">ift.tt/3EmK4QU</a>  | 2021-09-15<br>14:40:16 |
|  @xanadulinux   | CVE-2020-3960 <a href="https://ift.tt/3EmK4QU">ift.tt/3EmK4QU</a>  | 2021-09-15<br>14:52:11 |

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