



# CVE-2018-18976

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## CVE-2018-18976

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Contour Diabetes](#) from [Ascensia](#) contain the following vulnerability:

An issue was discovered in the Ascensia Contour NEXT ONE application for iOS and Android before 2019-01-15. An attacker may retrieve encrypted medical information of any user of the Ascensia cloud platform by performing Direct Object References with a series of user ID values. (This information can be decrypted through a different

vulnerability.)

CVE-2018-18976 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

| 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>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |

CVSS2 Score: **5 - MEDIUM**

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

## CVE References

| Description                                | Tags                                                            | Link                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medical Exploitation: You Are Now Diabetic | <a href="#">Exploit</a><br><a href="#">Third Party Advisory</a> | <a href="https://depthsecurity.com/blog/medical-exploitation-you-are-now-diabetic">MISC depthsecurity.com/blog/medical-exploitation-you-are-now-diabetic</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="#">Ascensia</a> | <a href="#">Contour Diabetes</a> | All     | All    | All     | All      |
| Application                                                | <a href="#">Ascensia</a> | <a href="#">Contour Diabetes</a> | All     | All    | All     | All      |
| Application                                                | <a href="#">Ascensia</a> | <a href="#">Contour Diabetes</a> | All     | All    | All     | All      |
| Application                                                | <a href="#">Ascensia</a> | <a href="#">Contour Diabetes</a> | All     | All    | All     | All      |
| cpe:2.3:a:ascensia:contour_diabetes:*:*:*:*:android:*:*:   |                          |                                  |         |        |         |          |
| cpe:2.3:a:ascensia:contour_diabetes:*:*:*:*:iphone_os:*:*: |                          |                                  |         |        |         |          |
| cpe:2.3:a:ascensia:contour_diabetes:*:*:*:*:android:*:*:   |                          |                                  |         |        |         |          |
| cpe:2.3:a:ascensia:contour_diabetes:*:*:*:*:iphone_os:*:*: |                          |                                  |         |        |         |          |

No vendor comments have been submitted for this CVE

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