# CVE-2017-14202

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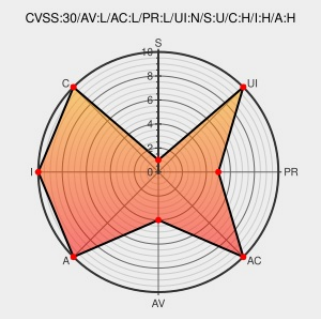
## CVE-2017-14202

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Zephyr from Zephyrproject contain the following vulnerability:

Improper Restriction of Operations within the Bounds of a Memory Buffer vulnerability in the shell component of Zephyr allows a serial or telnet connected user to cause a crash, possibly with arbitrary code execution. This issue affects: Zephyr shell versions prior to 1.14.0 on all.

CVE-2017-14202 has been assigned by vulnerabilities@zephyrproject.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Zephyr** - **shell** version **prior to 1.14.0**

### CVSS3 Score: 7.8 - HIGH

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|---|---|---|---|
| LOCAL | LOW | LOW | NONE |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| UNCHANGED | HIGH | HIGH | HIGH |

### CVSS2 Score: 4.6 - MEDIUM

| Access Vector | Access Complexity | Authentication |
|---|---|---|
| LOCAL | LOW | NONE |
| **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| PARTIAL | PARTIAL | PARTIAL |

### CVE References

| Description | Tags | Link |
|---|---|---|

| | | |
|---|---|---|
| [ZEPSEC-18] Buffer overflow in shell history - Zephyr Project Security Issues | Broken Link<br>zephyrprojectsec.atlassian.net<br>text/html | MISC<br>zephyrprojectsec.atlassian.net/browse/ZEPSEC-18 |
| Zephyr Kernel 1.14.0 — Zephyr Project Documentation | Release Notes<br>Vendor Advisory<br>docs.zephyrproject.org<br>text/html | MISC<br>docs.zephyrproject.org/1.14.0/releases/release-notes-1.14.html |
| shell: Allocate proper amount of history slab memory by agross-oss · Pull Request #13048 · zephyrproject-rtos/zephyr · GitHub | Patch<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/zephyrproject-rtos/zephyr/pull/13048 |

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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 |
|---|---|---|---|---|---|---|
| Operating System | Zephyrproject | Zephyr | All | All | All | All |
| Operating System | Zephyrproject | Zephyr | All | All | All | All |

cpe:2.3:o:zephyrproject:zephyr:*:*:*:*:*:*:*:*:

cpe:2.3:o:zephyrproject:zephyr:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

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