



# CVE-2021-46569

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## CVE-2021-46569

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

Certain versions of [Microstation](#) from [Bentley](#) contain the following vulnerability:

This vulnerability allows remote attackers to execute arbitrary code on affected installations of Bentley MicroStation CONNECT 10.16.0.80. User interaction is required to exploit this vulnerability in that the target must visit a malicious page or open a malicious file. The specific flaw exists within the parsing of JT files. Crafted data in a JT file can trigger a write past the end of an allocated buffer. An attacker can leverage this vulnerability to execute code in the context of the current process. Was ZDI-CAN-15031.

CVE-2021-46569 has been assigned by zdi-disclosures@trendmicro.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Bentley - MicroStation CONNECT** version **10.16.0.80**

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tags                                                                                                                                                                                                    | Link                                                                                                                                                               |            |        |         |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|---------|---------------------|
| BE-2021-0005: Out-of-bounds and use-after-free vulnerabilities in MicroStation and MicroStation-based applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div>Vendor Advisory</div> <div>www.bentley.com</div> <div>text/html</div>                                                                                                                              | <div>B</div> MISC <a href="http://www.bentley.com/en/common-vulnerability-exposure/BE-2021-0005">www.bentley.com/en/common-vulnerability-exposure/BE-2021-0005</a> |            |        |         |                     |
| ZDI-22-156   Zero Day Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div>Third Party Advisory</div> <div>VDB Entry</div> <div>www.zerodayinitiative.com</div> <div>text/html</div>                                                                                          | <div>Z</div> MISC <a href="http://www.zerodayinitiative.com/advisories/ZDI-22-156/">www.zerodayinitiative.com/advisories/ZDI-22-156/</a>                           |            |        |         |                     |
| <p>By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to <a href="mailto:comment@cve.report">comment@cve.report</a>.</p> |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| There are currently no QIDs associated with this CVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| Known Affected Configurations (CPE V2.3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Vendor                                                                                                                                                                                                  | Product                                                                                                                                                            | Version    | Update | Edition | Language            |
| Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bentley                                                                                                                                                                                                 | Microstation                                                                                                                                                       | All        | All    | All     | All                 |
| Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bentley                                                                                                                                                                                                 | Microstation Connect                                                                                                                                               | 10.16.0.80 | All    | All     | All                 |
| Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bentley                                                                                                                                                                                                 | View                                                                                                                                                               | All        | All    | All     | All                 |
| cpe:2.3:a:bentley:microstation:*****:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| cpe:2.3:a:bentley:microstation_connect:10.16.0.80:*****:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| cpe:2.3:a:bentley:view:*****:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| Discovery Credit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| xina1i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| Social Mentions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                         |                                                                                                                                                                    |            |        |         |                     |
| Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Title                                                                                                                                                                                                   |                                                                                                                                                                    |            |        |         | Posted (UTC)        |
|  @CVEreport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CVE-2021-46569 : This vulnerability allows remote attackers to execute arbitrary code on affected installations of... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> |                                                                                                                                                                    |            |        |         | 2022-03-01 00:12:59 |

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