

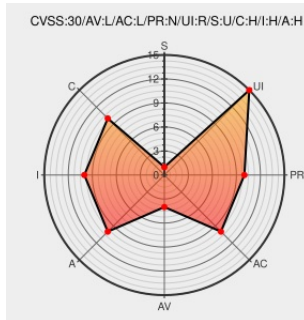


# CVE-2021-46571

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## CVE-2021-46571

[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 View 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. The issue results from the lack of validating the existence of an object prior to performing operations on the object. An attacker can leverage this vulnerability to execute code in the context of the current process. Was ZDI-CAN-15365.

CVE-2021-46571 has been assigned by zdi-disclosures@trendmicro.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Bentley - View** 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                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ZDI-22-158   Zero Day Initiative                                                                                   | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="#">www.zerodayinitiative.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://www.zerodayinitiative.com/advisories/ZDI-22-158/">www.zerodayinitiative.com/advisories/ZDI-22-158/</a>                        |
| BE-2021-0005: Out-of-bounds and use-after-free vulnerabilities in MicroStation and MicroStation-based applications | <a href="#">Vendor Advisory</a><br><a href="#">www.bentley.com</a><br><a href="#">text/html</a>                                             |  MISC <a href="https://www.bentley.com/en/common-vulnerability-exposure/BE-2021-0005">www.bentley.com/en/common-vulnerability-exposure/BE-2021-0005</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="#">Bentley</a> | <a href="#">Microstation</a>         | All     | All    | All     | All      |
| Application                                       | <a href="#">Bentley</a> | <a href="#">Microstation Connect</a> | All     | All    | All     | All      |
| Application                                       | <a href="#">Bentley</a> | <a href="#">View</a>                 | All     | All    | All     | All      |
| cpe:2.3:a:bentley:microstation:*:*:*:*:*:         |                         |                                      |         |        |         |          |
| cpe:2.3:a:bentley:microstation_connect:*:*:*:*:*: |                         |                                      |         |        |         |          |
| cpe:2.3:a:bentley:view:*:*:*:*:*:                 |                         |                                      |         |        |         |          |

#### Discovery Credit

Mat Powell of Trend Micro Zero Day Initiative

#### Social Mentions

| Source                                                                                        | Title                                                                                                                                                                                                   | Posted (UTC)        |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport | CVE-2021-46571 : 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 00:13:17 |

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